HUBBELL
Wiring Device-Kellems

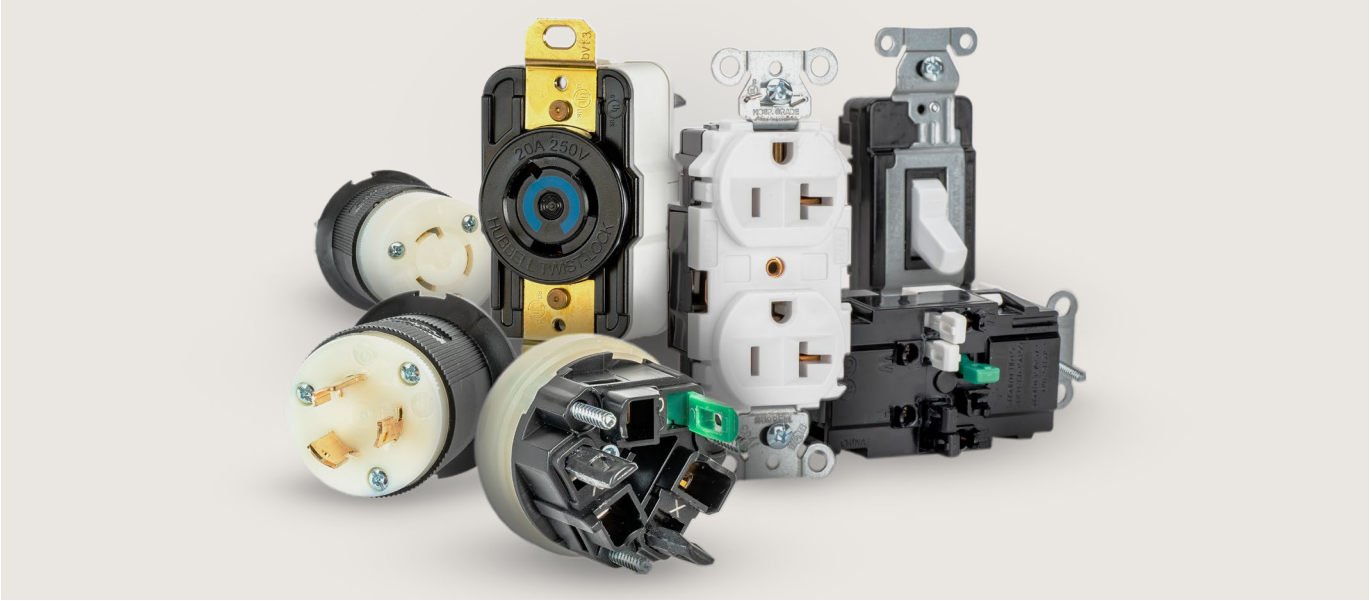
Master Catalog

Electrical Products for industrial, commercial, and residential applications







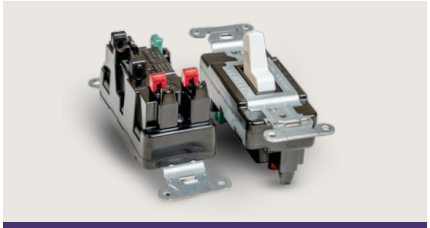




Twist-Lock® Devices



Straight Blade Devices



Switches

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EdgeConnect Technology

Install devices more securely, significantly faster

Hubbell's innovative, patented EdgeConnect technology makes for the fastest terminating devices. Strong levered steel springs eliminate screws and keep wires secure.

Speed

- 65-80% faster terminations

Durability

- Built to withstand the industry's harshest environments

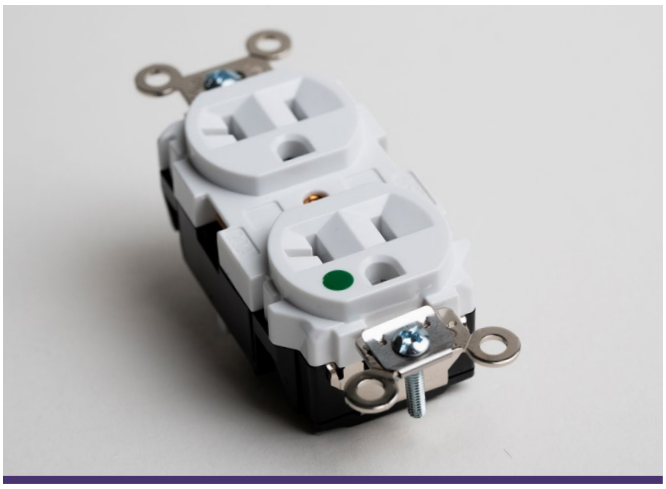
Performance

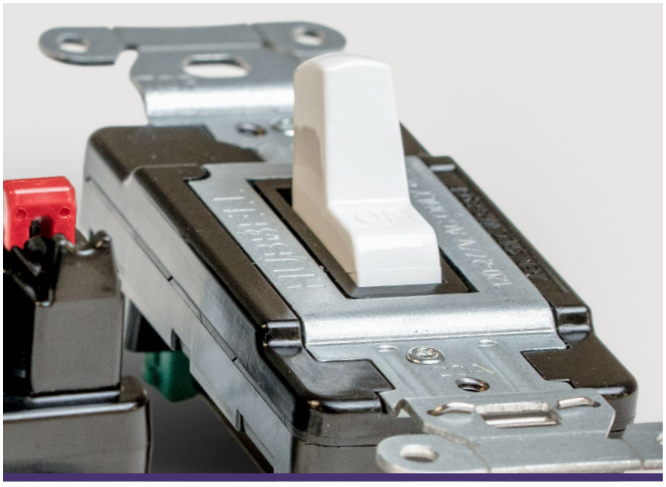
- Terminations are up to 60% stronger when subjected to vibration

Learn More

- Visit the EdgeConnect Solutions page







It's about time

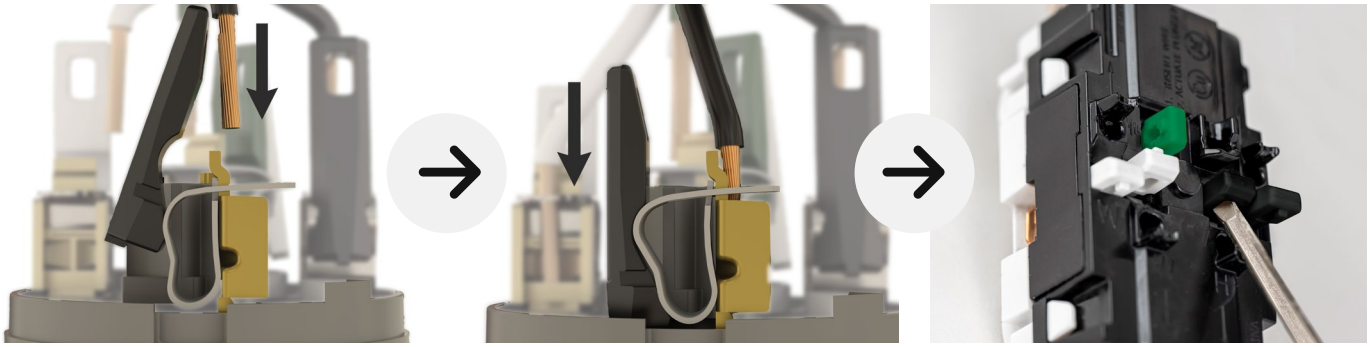
Super-Fast Connections for Greater Efficiency

Installers spend considerable time wiring and torquing each screw to ensure the integrity of each connection. An experienced installer devotes with minutes terminating each device.

With the EdgeConnect user-ready screwless termination system, simply insert the wire and press the plunger down. No tools required. The connection is fool-proof and secure. The patented spring clamp termination tightens securely on the wire overcoming the effects of strand relaxation, reducing the potential for termination overheat in the most demanding environments.

Any qualified installer, regardless of training or experience level, can guarantee high-quality results. About 11 seconds per termination. The plungers are even color coded, eliminating confusion, and can be unwired easily using a screwdriver with the built in fulcrums as leverage points.

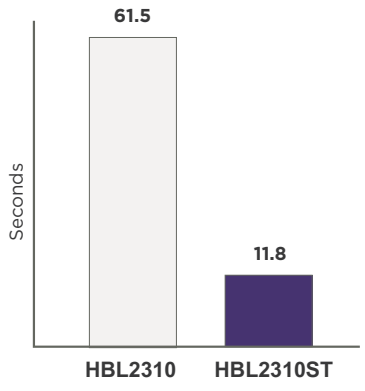
Labor Savings is Easy!



Insert | **Press...Termination is Activated!** | **To Unwire, Lift The Plunger Upward**

Time Study Analysis

	Screw Terminated Device	Screwless Terminated Device
Example catalog number.	**HBL2310**	**HBL2310ST**
Time per pc.	61.5 Seconds	11.8 Seconds
Seconds saved with Screwless Termination, per piece.		49.7



Improve Time on Repetitive Tasks by 65-80%!

It's About Performance

Highest Reliability—Even Under Constant Vibration!

EdgeConnect screwless terminations are tight from day one and stay that way, gripping hard to keep the power flowing. Even through high vibration environments that can steadily work wires loose and cause unscheduled downtime.

Terminations not only stay secure, they continually adapt to changes in the wire profile when exposed to vibration caused by industrial equipment.

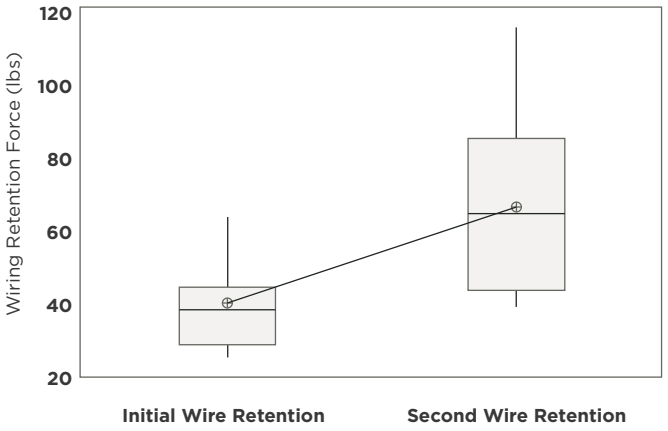
Throughout the industry, vibration is generally expected to degrade, not improve, a product's performance. Not with EdgeConnect devices—tough environments just make them perform even better, even more reliably for our users.

Similar performance is also demonstrated in the face of related industrial threats such as temperature cycling and strand relaxation. No matter what the environment, with EdgeConnect devices you won't have to go back and retighten—just install once and you're set.

Vibration Performance

Up to 60% higher retention

Effect of Vibration on Wire Retention Force of Hubbell Edge Receptacles

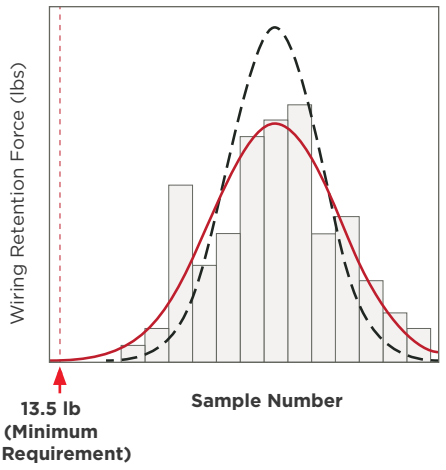


Upon installation, a 10 AWG THHN stranded wire required 40 lbs of force to disengage. After exposure to vibration per the UL standard, 65 lbs of force were required to disengage.

Wire Retention

UL minimum requirement: 13.5 lbs

Hubbell Edge 3 Wire Receptacle 12 AWG Stranded



Compared to the UL minimum requirement for wire retention, EdgeConnect screwless termination offers superior strength.

Note: Three-axis vibration sequence test performed in accordance with "UL 498, Standard for Safety—Attachment Plugs and Receptacles"

SAVINGS

Reduce install time up to 80% with screwless and toolless termination

DURABILITY

Ensure long lasting connections with innovative spring clamp technology

SAFETY

No exposed terminal screws, so no need for electrical tape

For Your Industrial and Commercial Applications

Every application benefits from electrical devices with EdgeConnect technology for increased performance and productivity.


Industrial Facilities


Food Processing


Entertainment


Hospitals

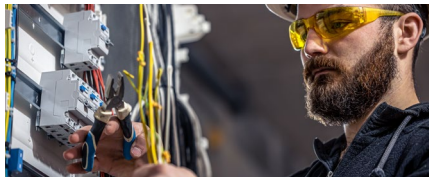

Education/ Universities


Commercial Buildings



OEMs

Save money instantly with 65-80% faster installation in volume.



Electricians

Get done faster! And no exposed live metal!



Contractors

Ensure quick yet reliable installations even in harsh environments.

Certifications:

c UL us LISTED TO UL 498

F UL S VERIFIED TO FEDERAL SPECIFICATION W-C-596H

Awards:

IEEE

EC&M

LIVEDESIGN LDI

2020 NECA Show Stopper

ELECTRICAL EXPO AUGUST 23-24, 2023

Twist-Lock Devices with EdgeConnect Screwless Terminations are the Fastest Installing Industrial Locking Devices

Rugged performance, especially in settings subject to high vibration or thermal cycling. Perfect for use in power distribution systems, for powering motor drives, or power drops for installing equipment on the production floor.



Products For All Your Needs

Receptacles

Available in 3, 4, and 5 wire configurations. Design fits standard depth boxes.

Plugs and Connectors

Funneled wire entry to direct conductor strands as well as molded in leverage points for easy unwiring. Available in 3, 4, and 5 wire configurations, all black and OEM packs.



Flanged Inlets and Receptacles

Easy termination access in the back of the device with laser etched terminal markings. Available in black and white 3, 4, and 5 wire configurations, all black and OEM packs.



Plugs

Fed. Spec.

Poles/Wires	Rating		15A	20A	30A
2P/3W	125V		HBL4720CST	HBL2311ST*	HBL2611ST*
	250V		HBL4570CST	HBL2321ST*	HBL2621ST*
	277V		HBL4770CST	HBL2331ST	—
	480V		—	HBL2341ST	—
3P/4W	125/250V		—	HBL2411ST*	HBL2711ST*
	3Ø 250V		—	HBL2421ST	HBL2721ST
	3Ø 480V		—	HBL2431ST	HBL2731ST
4P/5W	250V/600V		—	HBL3521CST	—
	3ØY 120/208V		—	HBL2511ST*	HBL2811ST*
	3ØY 277/480V		—	HBL2521ST	HBL2821ST

*Note: *Available in all black - example: HBL2311STBK.*

Connectors

Fed. Spec.

Poles/Wires	Rating		15A	20A	30A
2P/3W	125V		HBL4729CST	HBL2313ST*	HBL2613ST*
	250V		HBL4579CST	HBL2323ST*	HBL2623ST*
	277V		HBL4779CST	HBL2333ST*	—
	480V		—	HBL2343ST	—
3P/4W	125/250V		—	HBL2413ST*	HBL2713ST*
	3Ø 250V		—	HBL2423ST	HBL2723ST
	3Ø 480V		—	HBL2433ST	HBL2733ST
4P/5W	250V/600V		—	HBL3523CST	—
	3ØY 120/208V		—	HBL2513ST*	HBL2813ST*
	3ØY 277/480V		—	HBL2523ST	HBL2823ST

*Note: *Available in all black - example: HBL2313STBK.*

Weatherproof Boots for Insulgrip® Twist-Lock EdgeConnect Devices

IP55 SUITABILITY

Description			Black	Yellow
Weatherproof, Seal-Tite® triple seal elastomer boots.	For 15A devices.	For plugs used in a cord set and connector bodies used with a flanged inlet.	HBL6023ST	HBL60CM23ST
		For connector bodies when used in cord sets	HBL6024ST	HBL60CM24ST
	For 3 wire devices.	For plugs used in a cord set and connector bodies used with a flanged inlet.	HBL6031ST	HBL6035ST
		For connector bodies when used in cord sets.	HBL60CM31ST	HBL60CM35ST
	For 4 & 5 wire devices.	For plugs used in a cord set and connector bodies used with a flanged inlet.	HBL6032ST	HBL6036ST
		For connector bodies when used in cord sets.	HBL60CM32ST	HBL60CM36ST

Dimensions in Inches (mm)

Receptacles

Poles/Wires	Rating		15A	20A	30A
2P/3W	125V		HBL4700ST* HBL4710ST HBL4713ST** IG4700AST†* IG4710ST†	HBL2310ST IG2310ST†	HBL2610ST IG2610ST†
	250V		HBL4550ST* HBL4560ST HBL4563ST**	HBL2320ST IG2320ST†	HBL2620ST IG2620ST†
	277V		HBL4750ST* HBL4760ST*	—	—
3P/4W	125/250V		—	HBL2410ST	HBL2710ST IG2710ST†
	3Ø 250V		—	HBL2420ST IG2420ST†	HBL2720ST IG2720ST†
	3Ø 480V		—	HBL2430ST	HBL2730ST
4P/5W	3ØY 120/208V		—	HBL2510ST	HBL2810ST
	3ØY 277/480V		—	HBL2520ST	HBL2820ST

*Note: *Duplex | **Panel mount | †Isolated ground.*

Flanged Inlets

Poles/Wires	Rating		15A	20A	30A
2P/3W	125V		—	HBL2315ST	HBL2615ST
	250V		—	HBL2325ST	HBL2625ST
	277V		—	HBL2335ST	—
	480V		—	HBL2345ST	—
3P/4W	125/250V		—	HBL2415ST	HBL2715ST
	3Ø 250V		—	HBL2425ST	HBL2725ST
	3Ø 480V		—	HBL2435ST	HBL2735ST
4P/5W	3ØY 120/208V		—	HBL2515ST	HBL2815ST
	3ØY 277/480V		—	HBL2525ST	HBL2825ST

Flanged Receptacles

Poles/Wires	Rating		15A	20A	30A
2P/3W	125V		—	HBL2316ST	HBL2616ST
	250V		—	HBL2326ST	HBL2626ST
	277V		—	HBL2416ST	HBL2716ST
	480V		—	HBL2426ST	HBL2726ST
3P/4W	125/250V		—	HBL2436ST	HBL2736ST
	3Ø 250V		—	HBL2516ST***	HBL2816ST***
	3Ø 480V		—	HBL2526ST	HBL2826ST
4P/5W	3ØY 120/208V		—	HBL2515ST	HBL2815ST
	3ØY 277/480V		—	HBL2525ST	HBL2825ST

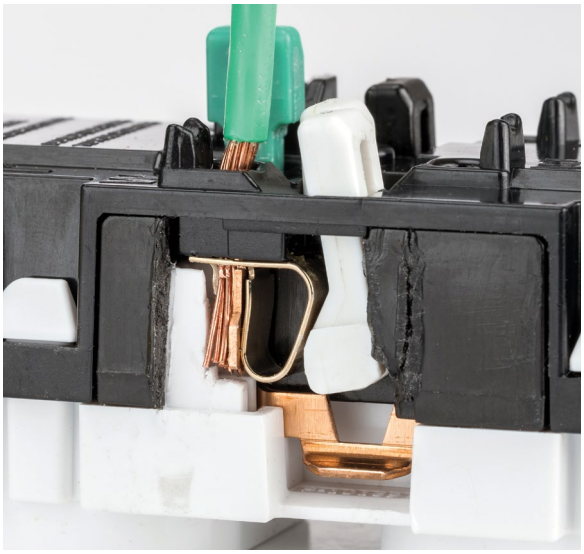
*Note: ***Available in all black. i.e. HBL2816STBK.*

Dimensions in Inches (mm)

Straight Blade Devices with EdgeConnect Screwless Terminations Transform Industrial and Commercial Installation

Our new technology adds performance and productivity gains to the brand installers and users already trust.

Design fits standard depth boxes in hospitals, office buildings, schools, or anywhere reliable delivery of power is needed.

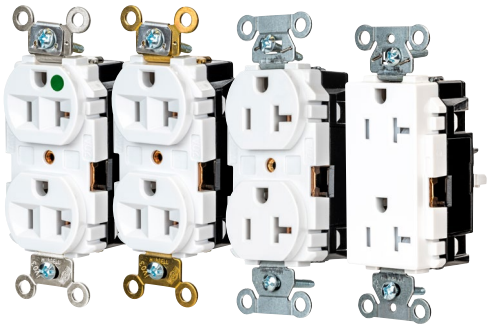


This product has been cut open to show the terminal

Straight Blade Products For All Your Needs

Duplex Receptacles

Available in hospital grade, industrial, Fed Spec, tamper-resistant, commercial grade receptacles with decorator and standard faces. Controlled versions also available!



Plugs, Connectors and Single Receptacles

Hubbell's innovative, patented EdgeConnect devices utilize spring clamp terminals to apply continuous pressure. Color coded plungers allow for precise wiring every time.



Insulgrip® Plugs

Description		15A 125V NEMA 5-15P	20A 125V NEMA 5-20P	15A 250V NEMA 6-15P	20A 250V NEMA 6-20P
Spring termination hospital grade plugs.	Black and white.	HBL8215CST	HBL8315CST	—	—
	Transparent housing.	HBL8215CTST	HBL8315CTST	—	—
Spring termination plugs.	Black and white.	HBL5266CST	HBL5366CST	HBL5666CST	HBL5466CST
	Black.	HBL5266CBKST	HBL5366CBKST	—	—
	Corrosion resistant, yellow.	HBL52CM66CST	HBL53CM66CST	HBL56CM66CST	HBL54CM66CST

Insulgrip Connectors

Description		15A 125V NEMA 5-15P	20A 125V NEMA 5-20P	15A 250V NEMA 6-15P	20A 250V NEMA 6-20P
Spring termination hospital grade connectors.	Black and white.	HBL8219CST	HBL8319CST	—	—
	Transparent housing.	HBL8219CTST	HBL8319CTST	—	—
Spring termination connectors.	Black and white.	HBL5269CST	HBL5369CST	HBL5669CST	HBL5469CST
	Black.	HBL5269CBKST	HBL5369CBKST	—	—

Weatherproof Boots for Insulgrip Straight Blade EdgeConnect Devices

IP55 SUITABILITY

Description		Black	Yellow
Weatherproof, Seal-Tite® triple seal elastomer boot for 15A devices.	For plugs when used in a cord set and connector bodies when used with a flanged inlet.	HBL6023ST	HBL60CM23ST
	For connector bodies when used in cord sets.	HBL6024ST	HBL60CM24ST

HBL® Extra Heavy Duty Max Receptacles*

Description	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R
Hospital grade, duplex, finder groove face, nickel plated brass bridge with stainless steel auto-ground clip.	HBL8200STx	HBL8300STx
Hospital grade, Style Line® decorator, galvanized steel bridge with auto-ground staple.	HBL2172STx	HBL2182STx
Hospital grade, tamper resistant, Style Line decorator, galvanized steel bridge with auto-ground staple.	HBL2172STxTR	HBL2182STxTR
Specification grade, duplex, finder groove face, brass bridge with stainless steel auto-ground clip.	HBL5262STx	HBL5362STx
Specification grade, tamper resistant, duplex, flat face, brass bridge with stainless steel auto-ground clip.	HBL5262STxTR	HBL5362STxTR
Specification grade, decorator, galvanized steel bridge with auto-ground staple.	HBL2152STx	HBL2162STx
Specification grade, tamper resistant, decorator, galvanized steel bridge with auto-ground staple.	HBL2152STxTR	HBL2162STxTR

Note: x - Available in black (BK), blue (BL), brown (blank), gray (GY), green (GN), ivory (I), light almond (LA), orange (O), red (R) and white (W).
**Controlled versions now available (C1 1/2 controlled or C2 fully controlled).*

Hubbell-PRO Extra Heavy Duty Receptacles**

Description	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R
Hospital grade, smooth face, duplex, galvanized steel bridge with galvanized steel bridge with auto-ground staple.	8200STx	8300STx
Hospital grade, tamper-resistant, smooth face, duplex, galvanized steel bridge with galvanized steel bridge with auto-ground staple.	8200STxTR	8300STxTR
Specification grade, smooth face, duplex, galvanized steel bridge with galvanized steel bridge with auto-ground staple.	5252STx	5352STx
Specification grade, finder groove face, duplex, galvanized steel bridge with galvanized steel bridge with auto-ground staple.	5262STx	5362STx
Specification grade, tamper-resistant, smooth face, duplex, galvanized steel bridge with galvanized steel bridge with auto-ground staple.	5262STxTR	5362STxTR

Note: x - Available in black (BK), blue (BL), brown (blank), gray (GY), green (GN), ivory (I), light almond (LA), orange (O), red (R) and white (W).
***Now available bulk packed without ears.*
Dimensions in Inches (mm)

Commercial Specification Grade Receptacles*

Description	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R
Smooth face, duplex, galvanized steel bridge with auto-ground staple.	BR15STx	BR20STx
Tamper-resistant, smooth face, duplex, galvanized steel bridge with auto-ground staple.	BR15STxTR	BR20STxTR
Style Line® decorator, galvanized steel bridge with auto-ground staple.	DR15STx	DR20STx
Tamper-resistant, Style Line decorator, galvanized steel bridge with auto-ground staple.	DR15STxTR	DR20STxTR

Note: x - Available in black (BK), blue (BL), brown (blank), gray (GY), green (GN), ivory (I), light almond (LA), orange (O), red (R) and white (W).
**Controlled versions now available (C1 1/2 controlled or C2 fully controlled).*

Weather Resistant Duplex Receptacles**

Description	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R
Finder groove face, galvanized steel bridge with auto-ground staple.	HBL5262STxWR	HBL5362STxWR
Hubbell-PRO, finder groove face, galvanized steel bridge with auto-ground staple.	5262STxWR	5362STxWR**
Smooth face, galvanized steel bridge with auto-ground staple.	BR15STxWR	BR20STxWR
Tamper-resistant, smooth face, galvanized steel bridge with auto-ground staple.	BR15STxWRTR	BR20STxWRTR
Style Line decorator, galvanized steel bridge with auto-ground staple.	DR15STxWR	DR20STxWR
Tamper-resistant, Style Line decorator, galvanized steel bridge with auto-ground staple.	DR15STxWRTR	DR20STxWRTR

Note: x - Available in black (BK), blue (BL), brown (blank), gray (GY), green (GN), ivory (I), light almond (LA), orange (O), red (R) and white (W).
***Now available bulk packed without ears.*

Single Receptacles

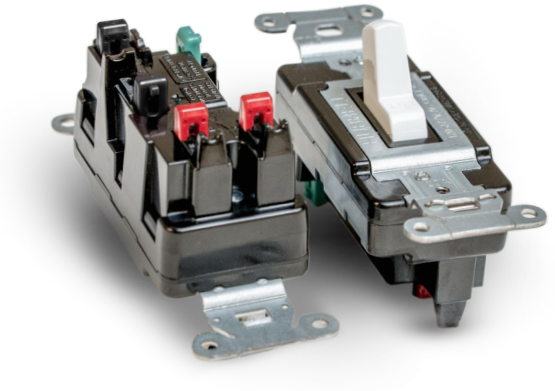
Description	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R	15A 250V NEMA 6-15R	20A 250V NEMA 6-20R
Standard, brass bridge & stainless steel auto-ground clip.	HBL5261STx	HBL5361STx	HBL5461STx	HBL5661STx
Tamper resistant, brass bridge & stainless steel auto-ground clip.	HBL5261STxTR	HBL5361STxTR	—	—
Weather resistant, brass bridge & stainless steel auto-ground clip.	HBL5261STxWR	HBL5361STxWR	—	—
Weather resistant, tamper resistant, brass bridge & stainless steel auto-ground clip.	HBL5261STxWRTR	HBL5361STxWRTR	—	—
Isolated ground, spring termination, orange.	IG5261ST	IG5361ST	—	—
Weather resistant, isolated ground, spring termination, orange.	IG5261STWR	IG5361STWR	—	—
Hospital grade, nickel plated brass bridge with auto-ground clip.	HBL8210STx	HBL8310STx	—	—

Note: x - Available in black (BK), blue (BL), brown (blank), gray (GY), green (GN), ivory (I), light almond (LA), orange (O), red (R) and white (W).

Dimensions in Inches (mm)

Switches with EdgeConnect Screwless Terminations Add "Fastest Installing" Benefit to the Safest and Most Reliable Designs

High performance to stand up to any industrial and commercial application, our new design comes with all the other benefits and features you already trust with Hubbell switches.



Products For All Your Needs

Toggle Switches

Industrial and commercial grade single pole, three way and illuminated available.



Style Line® Decorator Rocker Switches

Commercial grade single pole, three way and illuminated available.



Extra Heavy Duty Industrial Toggle Switches

Fed. Spec.

Description	Rating	Single Pole	Three Way
Industrial toggle switches, spring termination.	15A, 120/277V AC	HBL1201STx	HBL1203STx
	20A, 120/277V AC	HBL1221STx	HBL1223STx
Industrial series, illuminated toggle switches, light ON with load OFF, spring termination.	15A, 120/277V AC	HBL1201STILx*	HBL1203STILx*
	20A, 120/277V AC	HBL1221STILx*	HBL1223STILx*

Note: x - Available in black (BK), blue (BL), brown (blank), gray (GY), green (GN), ivory (I), light almond (LA), orange (O), red (R) and white (W).
**Availale in clear (C).*

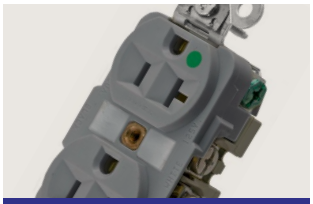
Specification Grade Switches

Description	Rating	Single Pole	Three Way
Toggle, spring termination.	15A, 120/277V AC	CSB115STx	CSB315STx
	20A, 120/277V AC	CSB120STx	CSB320STx
Style Line decorator rocker, spring termination.	15A, 120/277V AC	DS115STx	DS315STx
	20A, 120/277V AC	DS120STx	DS320STx
Style Line decorator rocker, illuminated switches, blue LED, light ON with load OFF, spring termination.	20A, 120/277V AC	DS120STILx	DS320STILx

Note: x - Available in black (BK), blue (BL), brown (blank), gray (GY), green (GN), ivory (I), light almond (LA), orange (O), red (R) and white (W).

Dimensions in Inches (mm)





HBL® Extra Heavy Duty Max Hospital Grade



Extra Heavy Duty SNAPConnect® Receptacles



USB-C Power Delivery Receptacles



EdgeConnect™ Spring Termination Devices

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Products at a Glance



HBL® Extra Heavy Duty Max Hospital Grade

- Deep nylon body design increases impact and chemical resistance
- One-piece nickel-plated brass ground strap
- ID marking surface for quick circuit identification
- Square head, 10-thread bronze center rivet
- External back wire clamp



HBL Extra Heavy Duty Max

- One-piece brass ground strap
- Exclusive bypass contact design for greater contact force and reduced heat buildup
- Barbed assembly arms reduce possibility of face/ base separation
- Deep face design



SNAPConnect® Extra Heavy Duty

- Hospital and Specification Grade
- SNAPConnect modular wiring device system saves installation time
- Eliminates screw terminations
- Steel mounting strap, self-grounding
- Compact size requires minimal space
- Single receptacles available



EdgeConnect™ Spring Termination Receptacles

- Hospital and Specification Grade
- Spring termination saves installation time
- Eliminates screw terminations
- More secure connection
- Steel/Brass mounting strap, self-grounding



USB Charger Receptacles

- USB-C Power Delivery receptacle provides up to 55 Watts of output; available in A-C, and C-C configurations
- Available in standard and hospital grade
- Weather Resistant Type A&C USB charger
- SNAPConnect devices, reduce labor costs and installation time
- 4 Port and Switch Combo outlets



Commercial Specification Grade

- Installation ease
  - Single tab breakoff ears
  - Self-grounding staple
  - Easy access split circuit tab
- Tamper-Resistant... NOT Plug Resistant™
- Wrap-around galvanized steel straps



4-PLEX Receptacles

- Hospital Grade and Surge styles
- Mounts directly to 4-inch square box
- "A" and "B" circuit ID molded into face
- Removable knockouts for mounting to octagon concrete ring or box
- Heavy duty, triple wipe, brass power and ground contacts



Hubbell-PRO Extra Heavy Duty

- Specification Grade and Hospital Grade
- Tamper-Resistant.. NOT Plug Resistant™
- Power indicating LED feature optional
- Circuit ID marking area on Hospital Grade
- Steel mounting strap, self-grounding

HBL® Extra Heavy Duty Max Hospital Grade Devices

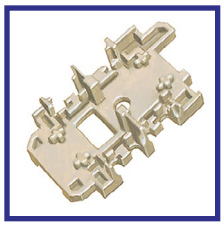
Features and Benefits

UL requirements for Hospital Grade devices is more stringent than those for standard devices. Hubbell receptacles are designed to meet and exceed the standards.

- Exclusive nickel-plated bypass contact design increases contact pressure and lowers the operation temperature
- Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas
- Impact resistant deep face design prevents breakage

Because of these features and others, the benefit is performance, reliability and value for any health care facility.





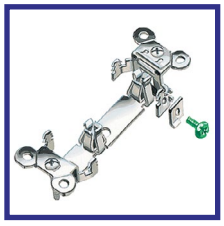
Housing Design

- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance
- Deep body design increases impact and chemical resistance



Terminals

- External wiring clamps allow for visual inspection of the terminals
- Unique strand containment feature on the terminal “bundles” the wire, ensuring 100% clamping of wire strands and reducing heat from the termination



One-Piece Mounting Strap

- Back wired ground terminal allows faster, easier installation
- One-piece nickel-plated brass integral ground strap for greater corrosion resistance
- Patented ground contact provides redundant grounding



Contacts

- Exclusive bypass contacts are made of nickel-plated brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed assembly arms reduce possibility of face/base separation



Identification

- I.D. marking surface provides quick, sure circuit identification
- All Hospital Grade devices are marked with the green dot symbol, required by UL



Center Rivet

- Square head, 10-thread bronze center rivet won’t rotate, reduces stripping and resists corrosion

HBL® Extra Heavy Duty Max Industrial Series

Features and Benefits

Hubbell's commitment to quality continually reinforces a philosophy of unrivaled performance. No Hubbell device exemplifies this philosophy more than the HBL5262. While all Hubbell receptacles are designed and manufactured to withstand even the harshest environments, none match the total performance of the HBL5262.

Whether in a factory, office building or school, the Hubbell HBL5262 is the receptacle of choice when people are depending on the safety and reliability of a receptacle.

- One-piece brass ground strap
- Patented bypass contacts
- Back wired ground terminal reduces installation time and increases convenience

The safest, most reliable design for a low resistance flow of fault currents. Oversized "bell" shaped ground contacts, along with nickel plated steel retaining shields, help minimize damage to the grounding system during abrupt pullout.





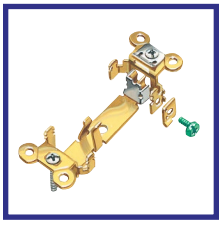
Housing Design

- RTP base offers greater heat resistance, plus contact stability
- Providing contact stability, this high tech material will reduce heat buildup, giving you long lasting performance
- Deep nylon body design delivers increased impact resistance



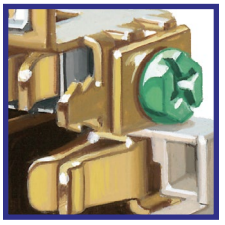
Terminals

- External bundling terminals contain wire strands and are designed for quick inspection
- Unique strand containment feature on the terminal "bundles" the wire, ensuring 100% clamping of wire strands and reducing heat from the termination



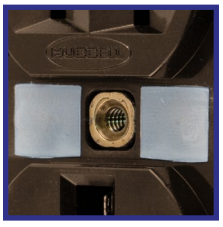
One-Piece Mounting Strap

- Back wired ground terminal allows faster, easier installation
- One-piece brass ground strap for low resistance of fault currents
- Patented ground contact provides redundant grounding



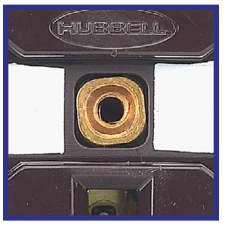
Contacts

- Patented "bypass" contacts are made of high grade brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed brass locking arms keep the face locked in place to diminish potential for face/base separation



Identification

- I.D. marking surface provides quick, sure circuit identification



Center Rivet

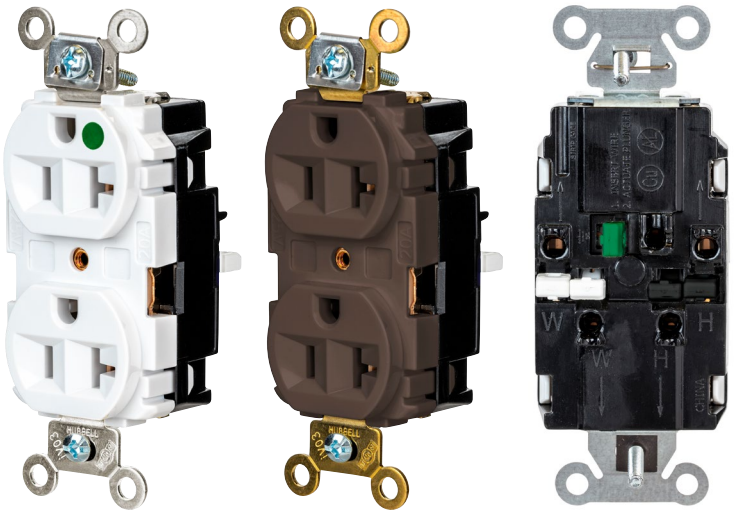
- Square head, 10-thread brass center rivet won't rotate, reduces stripping and resists corrosion

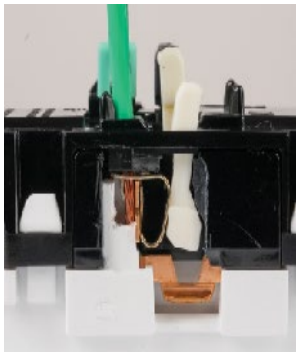
Features and Benefits

Hubbell's innovative, patented EdgeConnect devices with screwless terminations are the fastest termination devices on the market. Strong steel springs continuously apply pressure to wires, ensuring a strong connection in the most abusive environments.

Designed with easy termination access in the back of the device with terminal markings for clear identification of correct wiring.

Funneled wire entry to direct conductor strands as well as molded in leverage points for easy unwiring.





The terminations are tight from day one and stay tight, gripping hard to keep the power flowing even through high vibration environments that can steadily work wires loose and cause unscheduled downtime.

Similar performance is also demonstrated in the face of related industrial threats such as temperature cycling and strand relaxation. No matter what the environment, with EdgeConnect devices you won't have to go back and retighten—just install once and you're all set.

Wires secured with Hubbell's EdgeConnect screwless termination devices not only stay tight, they actually dig in and get tighter in the face of the relentless vibration from industrial equipment which constantly threatens the integrity of traditional connections.

**Device has been cut open for side viewing*

IT'S ABOUT PERFORMANCE

Speed
80% faster terminations

Durability
Built to withstand the industry's harshest environments

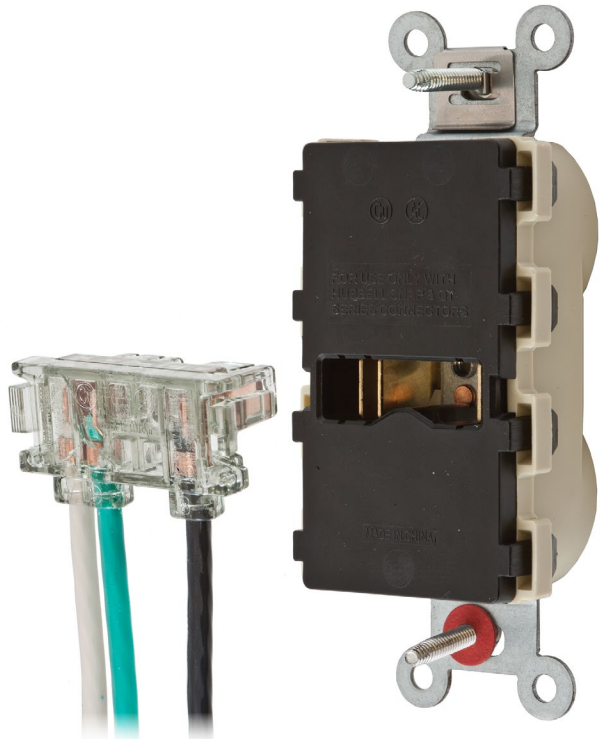
Performance
Terminations are 25-60% stronger when subjected to vibration

Patented
The only screwless termination in an industrial NEMA wiring device

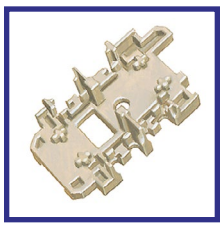
SNAPConnect® Extra Heavy Duty Receptacles

Features and Benefits

- Modular wiring system eliminates screw terminals
- Speeds installation and trim-out
- Clear polycarbonate terminal housing to inspect contacts
- Available in standard, tamper-resistant and power indicating LED versions
- Abuse resistant nylon for extra heavy use applications
- Stainless steel autoground

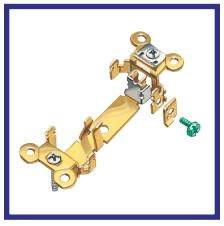


Labor Savings



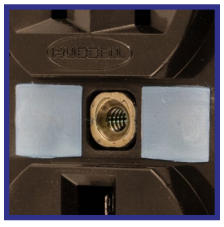
Housing Design

- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Compact size, requires minimal box space
- Clean finished look



Installation Ease

- Self-grounding clip
- Modular receptacle which requires pigtailed connector below



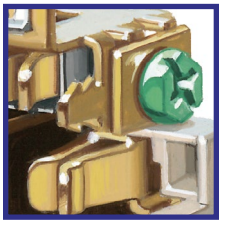
Identification

- Clear terminal housing for easy inspection of power contacts
- No exposed metal
- Audible SNAP, indicates solid connection
- Secure, easy grip latch



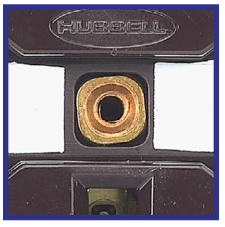
Save One Minute!

- Rough-in the SNAPConnect terminal instead of pigtails



Save Over Three Minutes!

- Remove protective packaging and SNAPConnect® device to the circuit



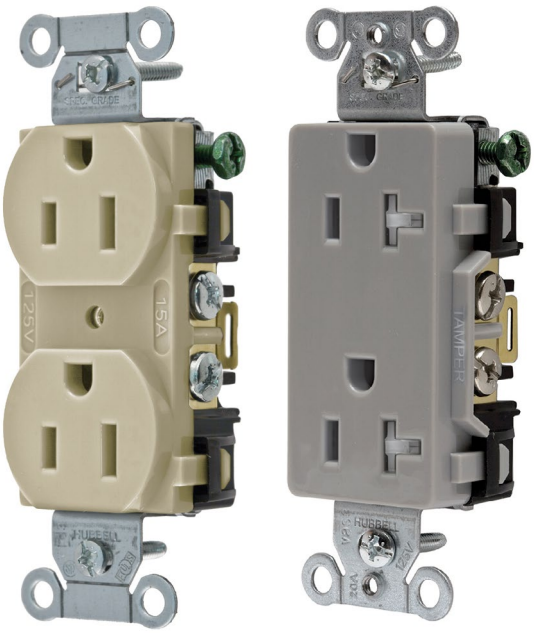
Complete Trim-Out in Less Than One Minute!

- Secure mounting screws, attach wallplate, job complete

Features and Benefits

The Hubbell Tamper-Resistant Mechanism eliminates the frustration and difficulty experienced using TR receptacles with plugs that have sharp, or bent blades. Hubbell TR receptacles work so well there is virtually no perceptible difference in the feel between the TR receptacles and our conventional non-TR receptacles. Trust Hubbell to deliver Tamper-Resistant protection that feels like it's not even there.

- Patented TR design eliminates plug-in difficulty and TR complaints
- Perfect for residential TR applications involving tenants with limited dexterity or hand strength
- For use in locations requiring Tamper-Resistant receptacles
- Best-in-class TR mechanism



Tamper-Resistant... NOT Plug Resistant™



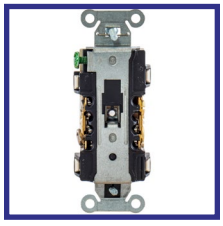
Housing Design

- Durable polycarbonate face and base construction
- Modern architectural appearance, Style Line® decorator face



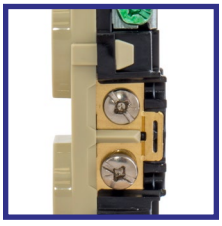
Tamper-Resistant... NOT Plug Resistant®

- Patented Cam Action TR Mechanism
- Difficulties due to problematic plugs are minimized



One-Piece Mounting Strap

- Sturdy construction, wrap-around galvanized steel straps
- Installation ease
- Single tab breakoff ears
- Self-grounding staple



Contacts

- Easy access split circuit tab
- Fork terminal capable
- Oversized terminal screws



Permanently Marked Receptacles for Automatic Outlet Control Systems

- These receptacles are embossed with the universally recognized power symbol and the word "CONTROLLED" remains clearly visible after installation
- Available in SNAPConnect® and conventionally wired versions



Nightlight Receptacle

- Two nightlight LEDs for 0.5 Lumens total
- Tamper-Resistant shutters comply with NEC article 406.12
- Back and side wired

USB Charger Receptacles and Outlets

Features and Benefits

Hubbell's new fast charging USB-C Power Delivery receptacles provide more power. Users can quickly charge laptops and other large devices. The USB-C port marked PD (Power Delivery) provides up to 55 Watt of output. The additional Type-C or Type-A port delivers up to 1.5 Amp, 5 Volt (7.5 Watt) of power.

The 4 Port Charger Outlet feature a USB port door, which when open enables power. When closed, all power is switched OFF. This eliminates all current flow for a "zero" no-load draw. Buildings looking to provide 100% green efficiency in power delivery will maximize LEED and energy efficient design.

- Green LED indicator to show USB power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2 and 3.1 Power Delivery specification
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products



USB Charger Receptacles



4 Port Outlets



USB-C Power Delivery Charger Receptacles

- Commercial and Hospital Grade
- Type C/C or Type A/C port configurations
- USB-C port (up to 20 Volt, 55 Watt output)
- 2nd USB-A or USB-C convenience port (up to 1.5 Amp, 5 Volt, 7.5 Watt output)
- Heavy duty spec grade



Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Power indicating green LED light



Tamper Resistant

- Patented Hubbell TR technology uses cam action shutters; the friction-free design of the mechanism's doors requires much less force to open
- Green LED indicator to show USB power available



4 Port and Switch Combo Outlets

- 4 Port outlet, Type A&C class 2.0 5 Amp, up to 9 Volt DC
- 4 Port has switch activated port door; when closed, all power is switched OFF
- Switch Combo has two USB ports 2.1 Amp, 5 Volt DC, Type A, class 2.0
- Isolated 15 Amp, 120V AC single pole/3-way switch

Apple® is a registered trademark of Apple Inc.
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

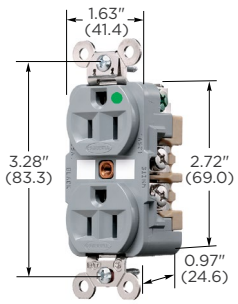
Fed. Spec.

HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles

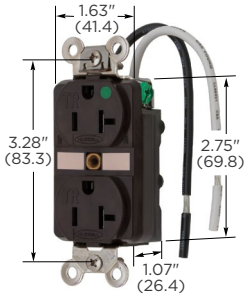
Description	Color	Catalog Number	
Duplex			
Flush, thermoplastic polyester face, back and side wired.	Black Blue Brown Gray Ivory Light Almond Red White	**HBL8200BK** — **HBL8200** **HBL8200GY** **HBL8200I** **HBL8200LA** **HBL8200RED** **HBL8200W**	— **HBL8300BL** **HBL8300** **HBL8300GY** **HBL8300I** **HBL8300LA** **HBL8300RED** **HBL8300W**
Flush, LED illuminated face, back and side wired.	Gray Ivory Red White	**HBL8200ILGY** **HBL8200ILI** **HBL8200ILR** **HBL8200ILW**	**HBL8300ILGY** **HBL8300ILI** **HBL8300ILR** **HBL8300ILW**
Tamper-Resistant receptacle with wire leads. Complies with requirements of NEC® article 517-18(c).	Brown Gray Ivory Light Almond Red White	**HBL8200SGA** **HBL8200SGGYA** **HBL8200SGIA** — **HBL8200SGRA** **HBL8200SGWA**	**HBL8300SGA** **HBL8300SGGYA** **HBL8300SGIA** **HBL8300SGLA** **HBL8300SGRA** **HBL8300SGWA**
Isolated ground△.	Orange Red	**IG8200** **IG8200R**	**IG8300** **IG8300R**
MRI Receptacle, Duplex			
MRI receptacle, flush, thermoplastic polyester face, back and side wired. 100% non-ferrous.	Ivory Light Almond Red White	**HBL8200IMRI** **HBL8200LAMRI** **HBL8200RMRI** **HBL8200WMRI**	**HBL8300IMRI** **HBL8300LAMRI** **HBL8300RMRI** **HBL8300WMRI**
Slender/Compact, Duplex			
Flush, thermoplastic polyester face, back, and side wired, Fed. Spec. verified.	Brown Gray Green Ivory Light Almond Red White	**HBL8200H** **HBL8200HG** — **HBL8200HI** **HBL8200HLA** **HBL8200HRED** **HBL8200HW**	**HBL8300H** **HBL8300HG** **HBL8300HGN** **HBL8300HI** **HBL8300HLA** **HBL8300HRED** **HBL8300HW**
Style Line® Decorator*			
Flush, nylon face, back and side wired.	Brown Gray Ivory Red White	**HBL2172** **HBL2172GY** **HBL2172I** **HBL2172R** **HBL2172WA**	**HBL2182** **HBL2182GY** **HBL2182I** **HBL2182R** **HBL2182WA**
Isolated ground△.	Ivory Orange White	— — —	**IG2182I** **IG2182** **IG2182WA**
Single			
Flush, nylon face, back and side wired, Fed. Spec. verified.	Brown Gray Ivory Red White	**HBL8210** **HBL8210GY** **HBL8210I** **HBL8210R** **HBL8210W**	**HBL8310** **HBL8310GY** **HBL8310I** **HBL8310R** **HBL8310W**
Panel mount on 1.94 in. (49.2) centers.	Brown Ivory	**HBL8284** **HBL8284I**	— **HBL8384I**
Isolated ground△.	Orange	**IG8210**	**IG8310**

Note: △See section O for additional information on isolated ground devices.
**Not Fed. Spec. Listed.*
See page B-53 for accessories.
See page Tech-10 for Tamper-Resistant description.
See section N for additional information on Hospital Grade products.
See section P for wallplates.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



HBL8200GY



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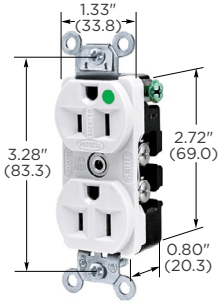
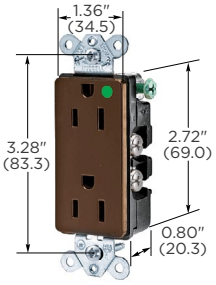
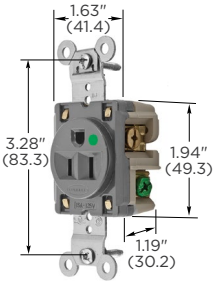


HBL8200ILW



HBL2172



HBL8210GY

Dimensions in Inches (mm)

HBL® Extra Heavy Duty Receptacles

15 and 20 Ampere, 125 and 250 Volts



15A 250V
NEMA 6-15R
UL CSA
1.5 HP



20A 250V
NEMA 6-20R
UL CSA
2 HP

Fed. Spec.

HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles

Duplex	Color	Catalog Number	
Flush, thermoplastic polyester face, back and side wired.	Brown Ivory	HBL8600 HBL8600I	HBL8400 HBL8400I

Note: See page B-53 for accessories. See section P for wallplates.



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

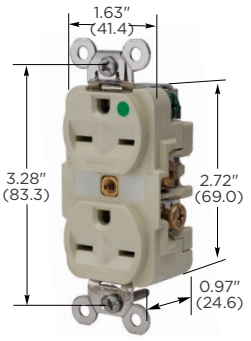


20A 125V
NEMA 5-20R
UL CSA
1 HP

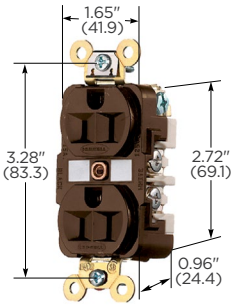
HBL Extra Heavy Duty Max Specification Grade Receptacles

Description	Color	Catalog Number	
Duplex			
Flush, nylon face, back and side wired.	Black Blue Brown Gray Ivory Red White	HBL5262BK — HBL5262 HBL5262GY HBL5262I HBL5262R HBL5262W	HBL5362BK HBL5362BL HBL5362 HBL5362GY HBL5362I HBL5362R HBL5362W
Isolated ground[A].	Gray Ivory Orange Red White	IG5262GY IG5262I IG5262 IG5262R —	IG5362GY IG5362I IG5362 IG5362R IG5362W
Non-isolated ground, bulk pack of 100.	Orange	—	HBL5362M4
Weather Resistant, flush, nylon face, back and side wired.	Black Brown Gray Ivory Red White	HBL5262BKWR HBL5262WR HBL5262GYWR HBL5262IWR HBL5262RWR HBL5262WWR	HBL5362BKWR HBL5362WR HBL5362GYWR HBL5362IWR HBL5362RWR HBL5362WWR
Corrosion resistant.	Ivory Yellow	HBL52CM62I HBL52CM62	— HBL53CM62
Weather Resistant, Isolated ground[A].	Gray Ivory Orange Red White	IG5262GYWR IG5262IWR IG5262WR IG5262RWR —	IG5362GYWR IG5362IWR IG5362WR IG5362RWR IG5362WWR
On 4 in. (101.6) round cover.	Brown	HBL5282	—
Single			
Flush, nylon face, back and side wired.	Black Brown Gray Ivory White	HBL5261BK HBL5261 — HBL5261I —	HBL5361BK HBL5361 HBL5361GRY HBL5361I HBL5361W
Isolated ground[A].	Orange	IG5261	IG5361
Weather Resistant, Isolated ground[A].	Orange	IG5261WR	IG5361WR
Ring terminal connection.	Brown White Yellow	HBL5261RT HBL5261WRT HBL5261YRT	HBL5361RT — —
Weather Resistant, flush, nylon face, back and side wired.	Brown Gray Ivory	HBL5261WR — HBL5261IWR	HBL5361WR HBL5361GRYWR HBL5361IWR
Corrosion resistant.	Yellow	HBL52CM61	HBL53CM61
Panel mount on 1.94 in. (49.3) centers.	Brown	HBL5284	HBL5357

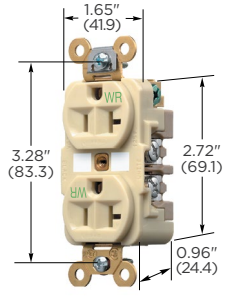
Note: [A]See section O for additional information on isolated ground devices.
See pages B-53 for accessories.
See page Tech-10 for Weather Resistant descriptions.
See section P for wallplates.
Dimensions in Inches (mm)



HBL8600I



HBL5262



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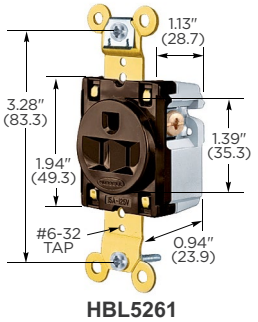

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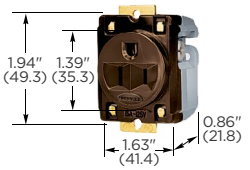


HBL5284

15 and 20 Ampere, 125 Volts



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

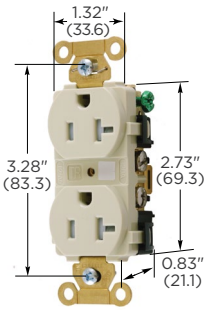


20A 125V
NEMA 5-20R
UL CSA
1 HP

Fed. Spec.

HBL® Extra Heavy Duty Max Tamper-Resistant Receptacles

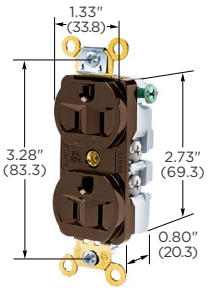
Duplex	Color	Catalog Number	
Flush, nylon face, Tamper-Resistant, back and side wired.	Black	HBL5262BKTR	HBL5362BKTR
	Blue	HBL5262BLTR	HBL5362BLTR
	Brown	HBL5262TR	HBL5362TR
	Gray	HBL5262GYTR	HBL5362GYTR
	Ivory	HBL5262ITR	HBL5362ITR
	Light Almond	HBL5262LATR	HBL5362LATR
	Red	HBL5262RTR	HBL5362RTR
	White	HBL5262WTR	HBL5362WTR



HBL5362I

HBL® Extra Heavy Duty Max Compact Receptacles

Description	Color	Catalog Number	
Duplex			
Flush, nylon face, back and side wired.	Black	HBL5252BK	HBL5352BK
	Blue	—	HBL5352BL
	Brown	HBL5252	HBL5352
	Gray	HBL5252GY	HBL5352GY
	Ivory	HBL5252I	HBL5352I
	Red	HBL5252R	HBL5352R
	White	HBL5252W	HBL5352W
On a 4 in. (101.6) round cover.	Brown	HBL5253	—
Flush, nylon face, side wired only.	Brown	HBL5242	HBL5342
	Gray	HBL5242GY	HBL5342GY
	Ivory	HBL5242I	HBL5342I
	White	HBL5242W	HBL5342W
Ring terminal connection.	Brown	HBL5242RT	HBL5342RT
Single			
Flush, side wired only.	Brown	HBL5251	—
	Ivory	HBL5251I	—
Panel mount 1.75 in. (44.5) centers.	Brown	HBL5258	HBL5358
	Ivory	HBL5258I	—
Style Line® Decorator*			
Flush, nylon face, back and side wired.	Black	HBL2152BK	HBL2162BK
	Brown	HBL2152	HBL2162
	Gray	HBL2152GY	HBL2162GY
	Ivory	HBL2152I	HBL2162I
	White	HBL2152WA	HBL2162WA
Isolated ground△.	Gray	—	IG2162GY
	Orange	IG2152	IG2162



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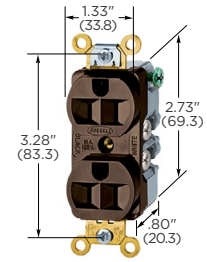

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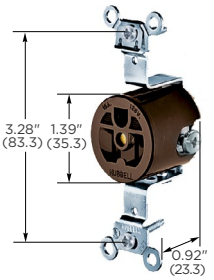

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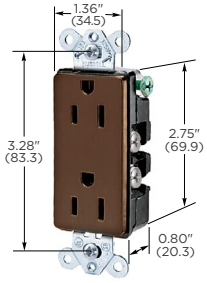


HBL2152

Dimensions in Inches (mm)

Note: △See section O for additional information on isolated ground devices.
**Style Line Duplex devices are not Fed. Spec. Listed.*
See page B-53 for accessories.
See section P for wallplates.

HBL® Extra Heavy Duty Receptacles

15 and 20 Ampere, 125 Volts



15A 250V
NEMA 6-15R
UL CSA
1.5 HP



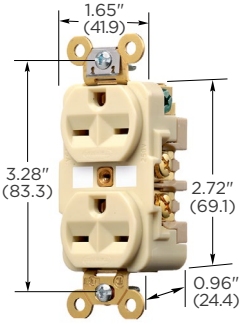
20A 250V
NEMA 6-20R
UL CSA
2 HP

Fed. Spec.

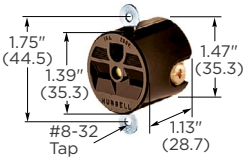
HBL® Extra Heavy Duty Max Specification Grade Receptacles

Description	Color	Catalog Number	
Duplex			
Flush, nylon face, back and side wired, multiple drive screws.	Black Brown Gray Ivory Red	— **HBL5662** — **HBL5662I** —	**HBL5462BK** **HBL5462** **HBL5462GY** **HBL5462I** **HBL5462R**
Isolated ground[Δ].	Orange	**IG5662**	**IG5462**
Single			
Flush, nylon face, back and side wired.	Brown Gray Ivory Red White	**HBL5661** — **HBL5661I** — —	**HBL5461** **HBL5461GY** **HBL5461I** **HBL5461R** **HBL5461W**
Isolated ground[Δ].	Orange	**IG5661**	**IG5461**
Panel mount 1.94 in. (49.3) centers.	Brown	**HBL5684**	—
Ring terminal connection.	Brown	**HBL5661RT**	—
Duplex and Single Panel Mount			
Flush, nylon duplex face, side wired only.	Brown Ivory	**HBL5652** **HBL5652I**	— —
Panel mount 1.75 in. (44.5) centers.	Brown	**HBL5658**	—

Note: [Δ]See section O for additional information on isolated ground devices.
HP ratings are AC only.
See page B-53 for accessories.
See section P for wallplates.



HBL5662I



HBL5658

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

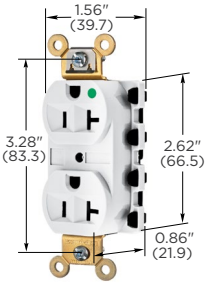
Fed. Spec.

SNAPConnect Extra Heavy Duty Hospital Grade ● Receptacles

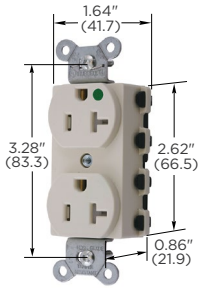
Duplex	Color	Catalog Number	
Hospital grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Brown Gray Ivory Light Almond Red White	SNAP8200BKA SNAP8200A SNAP8200GYA SNAP8200IA SNAP8200LAA SNAP8200RA SNAP8200WA	SNAP8300BKA SNAP8300A SNAP8300GYA SNAP8300IA SNAP8300LAA SNAP8300RA SNAP8300WA
Hospital grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Brown Gray Ivory Light Almond Red White	SNAP8200BKTRA SNAP8200TRA SNAP8200GYTRA SNAP8200ITRA SNAP8200LATRA SNAP8200RTRA SNAP8200WTRA	SNAP8300BKTRA SNAP8300TRA SNAP8300GYTRA SNAP8300ITRA SNAP8300LATRA SNAP8300RTRA SNAP8300WTRA
Hospital grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Brown Gray Ivory Light Almond Red White	SNAP8200BKSCTRA SNAP8200SCTRA SNAP8200GYSCTRA SNAP8200ISCTRA SNAP8200LASCTRA SNAP8200RSCTRA SNAP8200WSCTRA	SNAP8300BKSCTRA SNAP8300SCTRA SNAP8300GYSCTRA SNAP8300ISCTRA SNAP8300LASCTRA SNAP8300RSCTRA SNAP8300WSCTRA
Isolated ground[Δ], Hospital grade, Tamper-Resistant.	Orange Red	SNAP8200IGTRA SNAP8200RIGTRA	SNAP8300IGTRA SNAP8300RIGTRA
Hospital grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Brown Gray Ivory Light Almond Red White	SNAP8200BKL SNAP8200L SNAP8200GYL SNAP8200IL SNAP8200LAL SNAP8200RL SNAP8200WL	SNAP8300BKL SNAP8300L SNAP8300GYL SNAP8300IL SNAP8300LAL SNAP8300RL SNAP8300WL
Isolated ground[Δ], Hospital grade, with Power Indicating LED.	Orange Red	SNAP8200IGL SNAP8200RIGL	SNAP8300IGL SNAP8300RIGL
Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Brown Gray Ivory Light Almond Red White	SNAP8200BKLTRA SNAP8200LTRA SNAP8200GYLTRA SNAP8200ILTRA SNAP8200LALTRA SNAP8200RLTRA SNAP8200WLTRA	SNAP8300BKLTRA SNAP8300LTRA SNAP8300GYLTRA SNAP8300ILTRA SNAP8300LALTRA SNAP8300RLTRA SNAP8300WLTRA
Hospital grade, Tamper-Resistant, with Power Indicating Face, smooth face, modular receptacle which requires pigtailed connector on page B-14.	Gray Ivory Red White	SNAP8200GYLTR SNAP8200ILTR SNAP8200RLTR SNAP8200WLTR	SNAP8300GYLTR SNAP8300ILTR SNAP8300RLTR SNAP8300WLTR
Isolated ground[Δ], Hospital grade, TR with Power Indicating LED.	Orange Red	SNAP8200IGLTRA SNAP8200RIGLTRA	SNAP8300IGLTRA SNAP8300RIGLTRA

SNAPConnect Extra Heavy Duty Hospital Grade ● Single Receptacles

Color	Hospital Grade ●		Hospital Grade ● Tamper-Resistant	
	15A 125V	20A 125V	15A 125V	20A 125V
Black	SNAP8210BK	SNAP8310BK	SNAP8210BKTR	SNAP8310BKTR
Blue	SNAP8210BL	SNAP8310BL	SNAP8210BLTR	SNAP8310BLTR
Brown	SNAP8210	SNAP8310	SNAP8210TR	SNAP8310TR
Gray	SNAP8210GY	SNAP8310GY	SNAP8210GYTR	SNAP8310GYTR
Ivory	SNAP8210I	SNAP8310I	SNAP8210ITR	SNAP8310ITR
Light Almond	SNAP8210LA	SNAP8310LA	SNAP8210LATR	SNAP8310LATR
Red	SNAP8210R	SNAP8310R	SNAP8210RTR	SNAP8310RTR
White	SNAP8210W	SNAP8310W	SNAP8210WTR	SNAP8310WTR



SNAP8300WA



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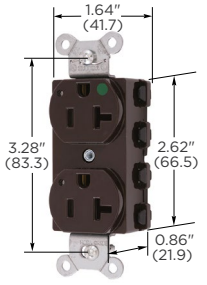

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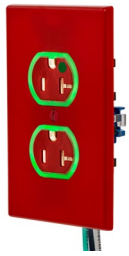
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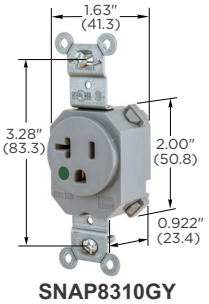


SNAP8310GY

Dimensions in Inches (mm)

SNAPConnect® Hospital Grade Receptacles

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



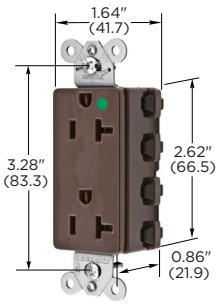
20A 125V
NEMA 5-20R
UL CSA
1 HP

Fed. Spec.

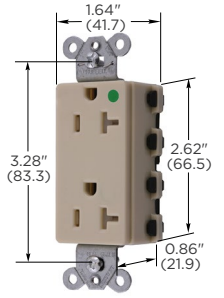
SNAPConnect Extra Heavy Duty Hospital Grade ● Receptacles

Style Line® Decorator	Color	Catalog Number	
Hospital grade, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Brown Gray Ivory Light Almond Red White	**SNAP2172BKA** **SNAP2172A** **SNAP2172GYA** **SNAP2172IA** **SNAP2172LAA** **SNAP2172RA** **SNAP2172WA**	**SNAP2182BKA** **SNAP2182A** **SNAP2182GYA** **SNAP2182IA** **SNAP2182LAA** **SNAP2182RA** **SNAP2182WA**
Hospital grade, Tamper-Resistant, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Brown Gray Ivory Light Almond Red White	**SNAP2172BKTRA** **SNAP2172TRA** **SNAP2172GYTRA** **SNAP2172ITRA** **SNAP2172LATRA** **SNAP2172RTRA** **SNAP2172WTRA**	**SNAP2182BKTRA** **SNAP2182TRA** **SNAP2182GYTRA** **SNAP2182ITRA** **SNAP2182LATRA** **SNAP2182RTRA** **SNAP2182WTRA**
Hospital grade, Tamper-Resistant, Split Circuit, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Brown Gray Ivory Light Almond Red White	**SNAP2172BKSCTRA** **SNAP2172SCTRA** **SNAP2172GYSCTRA** **SNAP2172ISCTRA** **SNAP2172LASCTRA** **SNAP2172RSCTRA** **SNAP2172WSCTRA**	**SNAP2182BKSCTRA** **SNAP2182SCTRA** **SNAP2182GYSCTRA** **SNAP2182ISCTRA** **SNAP2182LASCTRA** **SNAP2182RSCTRA** **SNAP2182WSCTRA**
Isolated ground[A], Hospital grade, Tamper-Resistant.	Orange Red	**SNAP2172IGTRA** **SNAP2172RIGTRA**	**SNAP2182IGTRA** **SNAP2182RIGTRA**
Hospital grade, with Power Indicating LED, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Brown Gray Ivory Light Almond Red White	**SNAP2172BKL** **SNAP2172L** **SNAP2172GYL** **SNAP2172IL** **SNAP2172LAL** **SNAP2172RL** **SNAP2172WL**	**SNAP2182BKL** **SNAP2182L** **SNAP2182GYL** **SNAP2182IL** **SNAP2182LAL** **SNAP2182RL** **SNAP2182WL**
Isolated ground[A], Hospital grade, with Power Indicating LED.	Orange Red	**SNAP2172IGL** **SNAP2172RIGL**	**SNAP2182IGL** **SNAP2182RIGL**
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Brown Gray Ivory Light Almond Red White	**SNAP2172BKLTRA** **SNAP2172LTRA** **SNAP2172GYLTRA** **SNAP2172ILTRA** **SNAP2172LALTRA** **SNAP2172RLTRA** **SNAP2172WLTRA**	**SNAP2182BKLTRA** **SNAP2182LTRA** **SNAP2182GYLTRA** **SNAP2182ILTRA** **SNAP2182LALTRA** **SNAP2182RLTRA** **SNAP2182WLTRA**
Isolated ground[A], Hospital grade, TR with Power Indicating LED.	Orange Red	**SNAP2172IGLTRA** **SNAP2172RIGLTRA**	**SNAP2182IGLTRA** **SNAP2182RIGLTRA**

Note: [A]See section O additional information on isolated ground devices and section P for wallplates.
See page B-6 for additional information on SNAPConnect features.
See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.
See pages B-53 for accessories.



SNAP2182A



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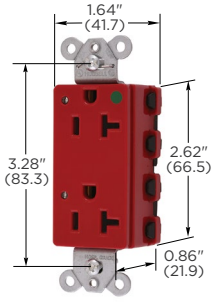
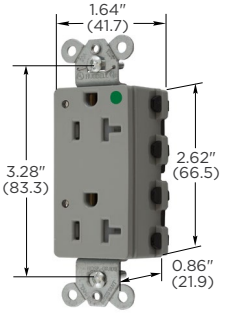


SNAP2182RL



SNAP2182GYLTRA

SNAPConnect Right Angle Pigtailed Connector

Description	Wire Type	Catalog Number
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; polycarbonate housing material.	Solid Stranded XHHW	**SNAP1RNA** **SNAP2RNA** **SNAP2RNAX**
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; polycarbonate housing material with WAGO terminals.	Solid Stranded	**SNAP1RNAM2** **SNAP2RNAM2**
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; polycarbonate housing material. 250 Volts.	Solid Stranded	**SNAP251RA** **SNAP252RA**



SNAP1RNA

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

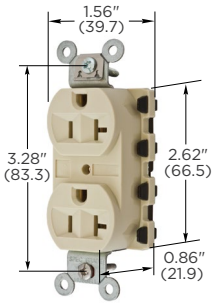
Fed. Spec.

SNAPConnect Extra Heavy Duty Receptacles

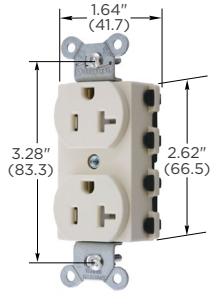
Duplex	Color	Catalog Number	
Specification grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Brown Gray Ivory Light Almond Red White	**SNAP5262BKA** **SNAP5262A** **SNAP5262GYA** **SNAP5262IA** **SNAP5262LAA** **SNAP5262RA** **SNAP5262WA**	**SNAP5362BKA** **SNAP5362A** **SNAP5362GYA** **SNAP5362IA** **SNAP5362LAA** **SNAP5362RA** **SNAP5362WA**
Specification grade, Tamper-Resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Blue Brown Gray Ivory Light Almond Red White	**SNAP5262BKTRA** **SNAP5262BLTRA** **SNAP5262TRA** **SNAP5262GYTRA** **SNAP5262ITRA** **SNAP5262LATRA** **SNAP5262RTRA** **SNAP5262WTRA**	**SNAP5362BKTRA** **SNAP5362BLTRA** **SNAP5362TRA** **SNAP5362GYTRA** **SNAP5362ITRA** **SNAP5362LATRA** **SNAP5362RTRA** **SNAP5362WTRA**
Specification grade, Tamper-Resistant, Split Circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Blue Brown Gray Ivory Light Almond Red White	**SNAP5262BKSCTRA** **SNAP5262BLSCTRA** **SNAP5262SCTRA** **SNAP5262GYSCTRA** **SNAP5262ISCTRA** **SNAP5262LASCTRA** **SNAP5262RSCTRA** **SNAP5262WSCTRA**	**SNAP5362BKSCTRA** **SNAP5362BLSCTRA** **SNAP5362SCTRA** **SNAP5362GYSCTRA** **SNAP5362ISCTRA** **SNAP5362LASCTRA** **SNAP5362RSCTRA** **SNAP5362WSCTRA**
Isolated ground[Δ], Specification grade, Tamper-Resistant.	Orange	**SNAP5262IGTRA**	**SNAP5362IGTRA**
Specification grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Blue Brown Gray Ivory Light Almond Red White	**SNAP5262BKL** **SNAP5262BLL** **SNAP5262L** **SNAP5262GYL** **SNAP5262IL** **SNAP5262LAL** **SNAP5262RL** **SNAP5262WL**	**SNAP5362BKL** **SNAP5362BLL** **SNAP5362L** **SNAP5362GYL** **SNAP5362IL** **SNAP5362LAL** **SNAP5362RL** **SNAP5362WL**
Isolated ground[Δ], Specification grade, with Power Indicating LED.	Orange	**SNAP5262IGL**	**SNAP5362IGL**
Specification grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page B-14.	Black Blue Brown Gray Ivory Light Almond Red White	**SNAP5262BKLTRA** **SNAP5262BLLTRA** **SNAP5262LTRA** **SNAP5262GYLTRA** **SNAP5262ILTRA** **SNAP5262LALTRA** **SNAP5262RLTRA** **SNAP5262WLTRA**	**SNAP5362BKLTRA** **SNAP5362BLLTRA** **SNAP5362LTRA** **SNAP5362GYLTRA** **SNAP5362ILTRA** **SNAP5362LALTRA** **SNAP5362RLTRA** **SNAP5362WLTRA**
Isolated ground[Δ], Specification grade, TR with Power Indicating LED.	Orange	**SNAP5262IGLTRA**	**SNAP5362IGLTRA**

SNAPConnect Extra Heavy Duty Standard Single Receptacles

Color	Standard Duplex		Standard Duplex Tamper-Resistant	
	15A 125V	20A 125V	15A 125V	20A 125V
Black	**SNAP5261BK**	**SNAP5361BK**	**SNAP5261BKTR**	**SNAP5361BKTR**
Blue	**SNAP5261BL**	**SNAP5361BL**	**SNAP5261BLTR**	**SNAP5361BLTR**
Brown	**SNAP5261**	**SNAP5361**	**SNAP5261TR**	**SNAP5361TR**
Gray	**SNAP5261GY**	**SNAP5361GY**	**SNAP5261GYTR**	**SNAP5361GYTR**
Ivory	**SNAP5261I**	**SNAP5361I**	**SNAP5261ITR**	**SNAP5361ITR**
Light Almond	**SNAP5261LA**	**SNAP5361LA**	**SNAP5261LATR**	**SNAP5361LATR**
Red	**SNAP5261R**	**SNAP5361R**	**SNAP5261RTR**	**SNAP5361RTR**
White	**SNAP5261W**	**SNAP5361W**	**SNAP5261WTR**	**SNAP5361WTR**



SNAP5362IA



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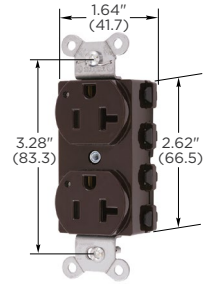

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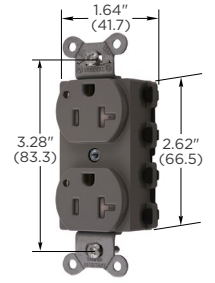

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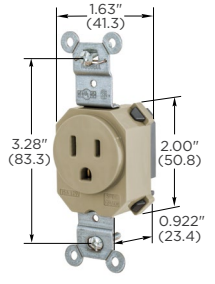


SNAP5261I

Dimensions in Inches (mm)

SNAPConnect® Extra Heavy Duty Receptacles

15 and 20 Ampere, 125 and 250 Volts



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

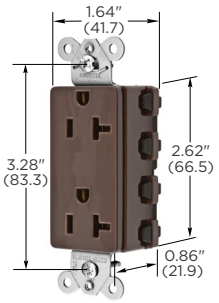


20A 125V
NEMA 5-20R
UL CSA
1 HP

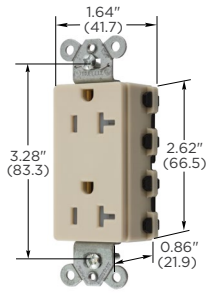
SNAPConnect Extra Heavy Duty Receptacles

Style Line® Decorator	Color	Catalog Number	
Specification grade, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector below.	Black Brown Gray Ivory Light Almond Red White	**SNAP2152BKA** **SNAP2152A** **SNAP2152GYA** **SNAP2152IA** **SNAP2152LAA** **SNAP2152RA** **SNAP2152WA**	**SNAP2162BKA** **SNAP2162A** **SNAP2162GYA** **SNAP2162IA** **SNAP2162LAA** **SNAP2162RA** **SNAP2162WA**
Specification grade, Tamper-Resistant, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector below.	Black Blue Brown Gray Ivory Light Almond Red White	**SNAP2152BKTRA** **SNAP2152BLTRA** **SNAP2152TRA** **SNAP2152GYTRA** **SNAP2152ITRA** **SNAP2152LATRA** **SNAP2152RTRA** **SNAP2152WTRA**	**SNAP2162BKTRA** **SNAP2162BLTRA** **SNAP2162TRA** **SNAP2162GYTRA** **SNAP2162ITRA** **SNAP2162LATRA** **SNAP2162RTRA** **SNAP2162WTRA**
Specification grade, Tamper-Resistant, Split Circuit, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector below.	Black Blue Brown Gray Ivory Light Almond Red White	**SNAP2152BKSCTRA** **SNAP2152BLSCTRA** **SNAP2152SCTRA** **SNAP2152GYSCTRA** **SNAP2152ISCTRA** **SNAP2152LASCTRA** **SNAP2152RSCTRA** **SNAP2152WSCTRA**	**SNAP2162BKSCTRA** **SNAP2162BLSCTRA** **SNAP2162SCTRA** **SNAP2162GYSCTRA** **SNAP2162ISCTRA** **SNAP2162LASCTRA** **SNAP2162RSCTRA** **SNAP2162WSCTRA**
Isolated ground[Δ], Specification grade, TR.	Orange	**SNAP2152IGTRA**	**SNAP2162IGTRA**
Specification grade, with Power Indicating LED, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector below.	Black Blue Brown Gray Ivory Light Almond Red White	**SNAP2152BKL** **SNAP2152BLL** **SNAP2152L** **SNAP2152GYL** **SNAP2152IL** **SNAP2152LAL** **SNAP2152RL** **SNAP2152WL**	**SNAP2162BKL** **SNAP2162BLL** **SNAP2162L** **SNAP2162GYL** **SNAP2162IL** **SNAP2162LAL** **SNAP2162RL** **SNAP2162WL**
Isolated ground[Δ], Specification grade, with LED.	Orange	**SNAP2152IGL**	**SNAP2162IGL**
Specification grade, Tamper-Resistant, with Power Indicating LED, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector below.	Black Blue Brown Gray Ivory Light Almond Red White	**SNAP2152BKLTRA** **SNAP2152BLLTRA** **SNAP2152LTRA** **SNAP2152GYLTRA** **SNAP2152ILTRA** **SNAP2152LALTRA** **SNAP2152RLTRA** **SNAP2152WLTRA**	**SNAP2162BKLTRA** **SNAP2162BLLTRA** **SNAP2162LTRA** **SNAP2162GYLTRA** **SNAP2162ILTRA** **SNAP2162LALTRA** **SNAP2162RLTRA** **SNAP2162WLTRA**
Isolated ground[Δ], Specification grade, TR with LED.	Orange	**SNAP2152IGLTRA**	**SNAP2162IGLTRA**

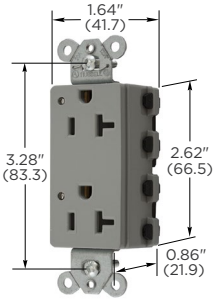
Note: [Δ]See section O additional information on isolated ground devices.
See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.
See pages B-53 for accessories.
See section P for wallplates.



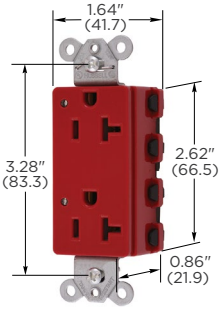
SNAP2162A



SNAP2162ITRA



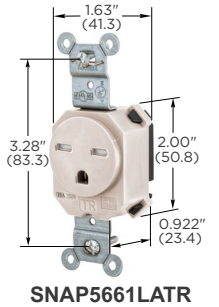
SNAP2162GYL



SNAP2162RLTRA

SNAPConnect 250V Extra Heavy Duty Standard Single Receptacles

Description	Color	15A 250V	20A 250V
Specification grade, single modular receptacle Tamper-Resistant, smooth nylon face. Requires pigtailed connector on page B-14.	Black Brown Gray Ivory Light Almond White	**SNAP5661BKTR** **SNAP5661BTR** **SNAP5661GYTR** **SNAP5661ITR** **SNAP5661LATR** **SNAP5661WTR**	**SNAP5461BKTR** **SNAP5461BTR** **SNAP5461GYTR** **SNAP5461ITR** **SNAP5461LATR** **SNAP5461WTR**



SNAP5661LATR

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Fed. Spec.

Meets UL Standard 943 Class A GFCI

SNAPConnect GFCI LED Hospital Grade ●

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately.	Black	—	SNAPGF83BLK
	Brown	—	SNAPGF83
	Gray	—	SNAPGF83GRY
	Ivory	SNAPGF82I	SNAPGF83I
	Light Almond	SNAPGF82LA	SNAPGF83LA
	Red	SNAPGF82R	SNAPGF83R
	White	SNAPGF82W	SNAPGF83W



SNAPGF83R

SNAPConnect GFCI LED Hospital Grade ● Tamper and Weather Resistant

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately.	Black	—	SNAPGFTW83BLK
	Brown	—	SNAPGFTW83
	Gray	SNAPGFTW82GRY	SNAPGFTW83GRY
	Ivory	SNAPGFTW82I	SNAPGFTW83I
	Light Almond	SNAPGFTW82LA	SNAPGFTW83LA
	Red	SNAPGFTW82R	SNAPGFTW83R
	White	SNAPGFTW82W	SNAPGFTW83W

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.



SNAPGFTW83I



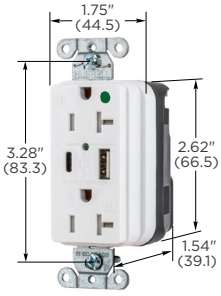
15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAPConnect USB Charger Hospital Grade ● Duplex Receptacles

Description	Color	Catalog Number	
Hospital Grade SNAPConnect USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output.	Black	SNAP8200UACBK	SNAP8300UACBK
	Brown	SNAP8200UAC	SNAP8300UAC
	Gray	SNAP8200UACGY	SNAP8300UACGY
	Ivory	SNAP8200UACI	SNAP8300UACI
	Light Almond	SNAP8200UACLA	SNAP8300UACLA
	Red	SNAP8200UACR	SNAP8300UACR
	White	SNAP8200UACW	SNAP8300UACW
Hospital Grade SNAPConnect USB Charger, Tamper-Resistant Style Line decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with two type-C USB ports type-C USB port, 3 Amp up to 9 Volt USB output.	Black	SNAP8200UCBK	SNAP8300UCBK
	Brown	SNAP8200UC	SNAP8300UC
	Gray	SNAP8200UCGY	SNAP8300UCGY
	Ivory	SNAP8200UCI	SNAP8300UCI
	Light Almond	SNAP8200UCLA	SNAP8300UCLA
	Red	SNAP8200UCR	SNAP8300UCR
	White	SNAP8200UCW	SNAP8300UCW



SNAP8300UACW



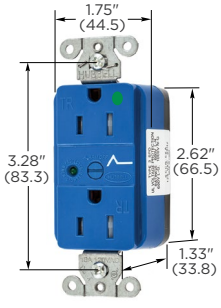
15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAPConnect Surge Protection Hospital Grade ● Tamper-Resistant Receptacle with Power Indicating LED

Description	Color	Catalog Number	
Hospital Grade SNAPConnect Surge supression, Tamper-Resistant, smooth face, duplex receptacle.	Blue	SNAP8262S	SNAP8362S
	Gray	SNAP8262GYS	SNAP8362GYS
	Ivory	SNAP8262IS	SNAP8362IS
	Light Almond	SNAP8262LAS	SNAP8362LAS
	Red	SNAP8262RS	SNAP8362RS
	White	SNAP8262WS	SNAP8362WS



SNAP8262S

SNAPConnect Right Angle Pigtailed Connector

Description	Wire Type	Catalog Number
Clear right angle terminal with 6 inch leads #12 AWG THHN/ THWN-2; Polycarbonate housing material.	Solid	SNAP1RNA
	Stranded	SNAP2RNA
Clear right angle terminal with 6 inch leads #12 AWG THHN/ THWN-2; Polycarbonate housing material with WAGO terminals.	Solid	SNAP1RNAM2
	Stranded	SNAP2RNAM2
Clear right angle terminal with 6 inch leads #12 AWG THHN/ THWN-2; Polycarbonate housing material. 250 Volts.	Solid	SNAP251RA
	Stranded	SNAP252RA



SNAP1RNA

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP
Fed. Spec.

Meets UL Standard 943 Class A GFCI

SNAPConnect GFCI LED

Description	Color	Catalog Number	
SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately.	Black	SNAPGF15BLK	SNAPGF20BLK
	Brown	SNAPGF15	SNAPGF20
	Gray	SNAPGF15GRY	SNAPGF20GRY
	Ivory	SNAPGF15I	SNAPGF20I
	Light Almond	SNAPGF15LA	SNAPGF20LA
	Red	SNAPGF15R	SNAPGF20R
	White	SNAPGF15W	SNAPGF20W



SNAPGF15GRY

SNAPConnect GFCI LED, Tamper and Weather Resistant

Description	Color	Catalog Number	
SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately.	Black	SNAPGFTW15BLK	SNAPGFTW20BLK
	Brown	SNAPGFTW15	SNAPGFTW20
	Gray	SNAPGFTW15GRY	SNAPGFTW20GRY
	Ivory	SNAPGFTW15I	SNAPGFTW20I
	Light Almond	SNAPGFTW15LA	SNAPGFTW20LA
	Red	SNAPGFTW15R	SNAPGFTW20R
	White	SNAPGFTW15W	SNAPGFTW20W

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.



SNAPGFTW20I



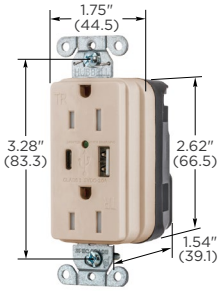
15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAPConnect USB Charger, Duplex Receptacles

Description	Color	Catalog Number	
SNAPConnect USB Charger, Tamper-Resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one Type A & one Type-C USB port, 3 Amp up to 9 Volt USB output.	Black	SNAP15UACBK	SNAP20UACBK
	Brown	SNAP15UAC	SNAP20UAC
	Gray	SNAP15UACGY	SNAP20UACGY
	Ivory	SNAP15UACI	SNAP20UACI
	Light Almond	SNAP15UACLA	SNAP20UACLA
	White	SNAP15UACW	SNAP20UACW
SNAPConnect USB charger with dual USB-C Ports	Black	SNAP15UC	SNAP20UC
	Brown	SNAP15UCGY	SNAP20UCGY
	Gray	SNAP15UCI	SNAP20UCI
	Ivory	SNAP15UCLA	SNAP20UCLA
	Light Almond	SNAP15UCW	SNAP20UCW
	White		



SNAP15UACLA



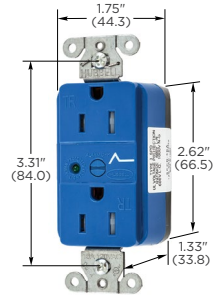
15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

SNAPConnect Surge Protection, Tamper-Resistant Receptacle with Power Indicating LED

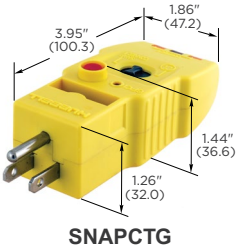
Description	Color	Catalog Number	
SNAPConnect Surge supression, Tamper-Resistant, smooth face, duplex receptacle.	Blue	SNAP5262S	SNAP5362S
	Gray	SNAP5262GYS	SNAP5362GYS
	Ivory	SNAP5262IS	SNAP5362IS
	Light Almond	SNAP5262LAS	SNAP5362LAS
	White	SNAP5262WS	SNAP5362WS



SNAP5262S

SNAPConnect Tester

Description	Catalog Number
Circuit Tester for SNAPConnect receptacle terminals, GFCI and standard receptacles.	SNAPCTG



SNAPCTG

Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY



15A 125V
NEMA 5-15R
cULus
0.5 HP



20A 125V
NEMA 5-20R
cULus
1 HP

EdgeConnect HBL® Extra Heavy Duty Max Hospital Grade ● Receptacles

Description	Color	Catalog Number	
Duplex			
Hospital Grade, Finder Groove Face, Spring Termination.	Black	HBL8200STBK	HBL8300STBK
	Blue	HBL8200STBL	HBL8300STBL
	Brown	HBL8200ST	HBL8300ST
	Gray	HBL8200STGY	HBL8300STGY
	Green	HBL8200STGN	HBL8300STGN
	Ivory	HBL8200STI	HBL8300STI
	Light Almond	HBL8200STLA	HBL8300STLA
	Orange	HBL8200STO	HBL8300STO
	Red	HBL8200STR	HBL8300STR
	White	HBL8200STW	HBL8300STW
Style Line® Decorator*			
Hospital Grade, Decorator, Spring Termination.	Black	HBL2172STBK	HBL2182STBK
	Blue	HBL2172STBL	HBL2182STBL
	Brown	HBL2172ST	HBL2182ST
	Gray	HBL2172STGY	HBL2182STGY
	Green	HBL2172STGN	HBL2182STGN
	Ivory	HBL2172STI	HBL2182STI
	Light Almond	HBL2172STLA	HBL2182STLA
	Orange	HBL2172STO	HBL2182STO
	Red	HBL2172STR	HBL2182STR
	White	HBL2172STW	HBL2182STW
Hospital Grade, Tamper-Resistant, Decorator, Spring Termination.	Black	HBL2172STBKTR	HBL2182STBKTR
	Blue	HBL2172STBLTR	HBL2182STBLTR
	Brown	HBL2172STTR	HBL2182STTR
	Gray	HBL2172STGYTR	HBL2182STGYTR
	Green	HBL2172STGNTR	HBL2182STGNTR
	Ivory	HBL2172STITR	HBL2182STITR
	Light Almond	HBL2172STLATR	HBL2182STLATR
	Orange	HBL2172STOTR	HBL2182STOTR
	Red	HBL2172STRTR	HBL2182STRTR
	White	HBL2172STWTR	HBL2182STWTR


HBL8200STBK


HBL2182STGY


HBL2172STOTR


HBL2182STRTR

EdgeConnect Hubbell-PRO Extra Heavy Duty Hospital Grade ● Receptacles

Duplex	Color	Catalog Number	
Hospital Grade, Smooth Face, Spring Termination.	Black	8200STBK	8300STBK
	Blue	8200STBL	8300STBL
	Brown	8200ST	8300ST
	Gray	8200STGY	8300STGY
	Green	8200STGN	8300STGN
	Ivory	8200STI	8300STI
	Light Almond	8200STLA	8300STLA
	Orange	8200STO	8300STO
	Red	8200STR	8300STR
	White	8200STW	8300STW
Hospital Grade, Tamper-Resistant, Smooth Face, Spring Termination.	Black	8200STBKTR	8300STBKTR
	Blue	8200STBLTR	8300STBLTR
	Brown	8200STTR	8300STTR
	Gray	8200STGYTR	8300STGYTR
	Green	8200STGNTR	8300STGNTR
	Ivory	8200STITR	8300STITR
	Light Almond	8200STLATR	8300STLATR
	Orange	8200STOTR	8300STOTR
	Red	8200STRTR	8300STRTR
	White	8200STWTR	8300STWTR


8300STTR

Dimensions in Inches (mm)

15 and 20 Ampere, 125 and 250 Volts



15A 125V
NEMA 5-15R
cULus
0.5 HP



20A 125V
NEMA 5-20R
cULus
1 HP

EdgeConnect HBL® Extra Heavy Duty Max Specification Grade Receptacles

Duplex	Color	Catalog Number	
Finder Groove Face, Spring Termination.	Black	HBL5262STBK	HBL5362STBK
	Blue	HBL5262STBL	HBL5362STBL
	Brown	HBL5262ST	HBL5362ST
	Gray	HBL5262STGY	HBL5362STGY
	Green	HBL5262STGN	HBL5362STGN
	Ivory	HBL5262STI	HBL5362STI
	Light Almond	HBL5262STLA	HBL5362STLA
	Orange	HBL5262STO	HBL5362STO
	Red	HBL5262STR	HBL5362STR
	White	HBL5262STW	HBL5362STW
Tamper-Resistant, Smooth Face, Spring Termination.	Black	HBL5262STBKTR	HBL5362STBKTR
	Blue	HBL5262STBLTR	HBL5362STBLTR
	Brown	HBL5262STTR	HBL5362STTR
	Gray	HBL5262STGYTR	HBL5362STGYTR
	Green	HBL5262STGNTR	HBL5362STGNTR
	Ivory	HBL5262STITR	HBL5362STITR
	Light Almond	HBL5262STLATR	HBL5362STLATR
	Orange	HBL5262STOTR	HBL5362STOTR
	Red	HBL5262STRTR	HBL5362STRTR
	White	HBL5262STWTR	HBL5362STWTR
Decorator, Spring Termination.	Black	HBL2152STBK	HBL2162STBK
	Blue	HBL2152STBL	HBL2162STBL
	Brown	HBL2152ST	HBL2162ST
	Gray	HBL2152STGY	HBL2162STGY
	Green	HBL2152STGN	HBL2162STGN
	Ivory	HBL2152STI	HBL2162STI
	Light Almond	HBL2152STLA	HBL2162STLA
	Orange	HBL2152STO	HBL2162STO
	Red	HBL2152STR	HBL2162STR
	White	HBL2152STW	HBL2162STW
Tamper-Resistant, Decorator, Spring Termination.	Black	HBL2152STBKTR	HBL2162STBKTR
	Blue	HBL2152STBLTR	HBL2162STBLTR
	Brown	HBL2152STTR	HBL2162STTR
	Gray	HBL2152STGYTR	HBL2162STGYTR
	Green	HBL2152STGNTR	HBL2162STGNTR
	Ivory	HBL2152STITR	HBL2162STITR
	Light Almond	HBL2152STLATR	HBL2162STLATR
	Orange	HBL2152STOTR	HBL2162STOTR
	Red	HBL2152STRTR	HBL2162STRTR
	White	HBL2152STWTR	HBL2162STWTR

*Note: *Modified SKUs available upon request (add M1 for shorter bridge strap and M2 for shorter strap and threaded screw hole).*



HBL5362STBK



HBL2152STBK



HBL2162STLA

EdgeConnect Hubbell-PRO Extra Heavy Duty Specification Grade Receptacles

Duplex	Color	Catalog Number	
Smooth face, duplex, spring termination.	Black	5252STBK	5352STBK
	Blue	5252STBL	5352STBL
	Brown	5252ST	5352ST
	Gray	5252STGY	5352STGY
	Green	5252STGN	5352STGN
	Ivory	5252STI	5352STI
	Light Almond	5252STLA	5352STLA
	Orange	5252STO	5352STO
	Red	5252STR	5352STR
	White	5252STW	5352STW

*Note: *Not Fed. Spec. Listed.*
Modified SKUs available upon request (add M1 for shorter bridge strap and M2 for shorter strap and threaded screw hole).



HBL2152STGYTR

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY

15A 125V NEMA 5-15R cULus 0.5 HP

20A 125V NEMA 5-20R cULus 1 HP

EdgeConnect Hubbell-PRO Extra Heavy Duty Specification Grade Receptacles

Duplex	Color	Catalog Number	
Finder Groove face, duplex, spring termination.	Black	5262STBK	5362STBK
	Blue	5262STBL	5362STBL
	Brown	5262ST	5362ST
	Gray	5262STGY	5362STGY
	Green	5262STGN	5362STGN
	Ivory	5262STI	5362STI
	Light Almond	5262STLA	5362STLA
	Orange	5262STO	5362STO
	Red	5262STR	5362STR
	White	5262STW	5362STW
Tamper-Resistant, smooth face, duplex, spring termination.	Black	5262STBKTR	5362STBKTR
	Blue	5262STBLTR	5362STBLTR
	Brown	5262STTR	5362STTR
	Gray	5262STGYTR	5362STGYTR
	Green	5262STGNTR	5362STGNTR
	Ivory	5262STITR	5362STITR
	Light Almond	5262STLATR	5362STLATR
	Orange	5262STOTR	5362STOTR
	Red	5262STRTR	5362STRTR
	White	5262STWTR	5362STWTR



5362STI



5362STWTR

EdgeConnect Commercial Specification Grade Receptacles

Description	Color	Catalog Number	
Duplex			
Smooth face, duplex, spring termination.	Black	BR15STBK	BR20STBK
	Blue	BR15STBL	BR20STBL
	Brown	BR15ST	BR20ST
	Gray	BR15STGY	BR20STGY
	Green	BR15STGN	BR20STGN
	Ivory	BR15STI	BR20STI
	Light Almond	BR15STLA	BR20STLA
	Orange	BR15STO	BR20STO
	Red	BR15STR	BR20STR
	White	BR15STW	BR20STW
Tamper-Resistant, smooth face, duplex, spring termination.	Black	BR15STBKTR	BR20STBKTR
	Blue	BR15STBLTR	BR20STBLTR
	Brown	BR15STTR	BR20STTR
	Gray	BR15STGYTR	BR20STGYTR
	Green	BR15STGNTR	BR20STGNTR
	Ivory	BR15STITR	BR20STITR
	Light Almond	BR15STLATR	BR20STLATR
	Orange	BR15STOTR	BR20STOTR
	Red	BR15STRTR	BR20STRTR
	White	BR15STWTR	BR20STWTR
Style Line® Decorator*			
Style Line decorator duplex, spring termination.	Black	DR15STBK	DR20STBK
	Blue	DR15STBL	DR20STBL
	Brown	DR15ST	DR20ST
	Gray	DR15STGY	DR20STGY
	Green	DR15STGN	DR20STGN
	Ivory	DR15STI	DR20STI
	Light Almond	DR15STLA	DR20STLA
	Orange	DR15STO	DR20STO
	Red	DR15STR	DR20STR
	White	DR15STW	DR20STW
Tamper-Resistant, Style Line decorator duplex, spring termination.	Black	DR15STBKTR	DR20STBKTR
	Blue	DR15STBLTR	DR20STBLTR
	Brown	DR15STTR	DR20STTR
	Gray	DR15STGYTR	DR20STGYTR
	Green	DR15STGNTR	DR20STGNTR
	Ivory	DR15STITR	DR20STITR
	Light Almond	DR15STLATR	DR20STLATR
	Orange	DR15STOTR	DR20STOTR
	Red	DR15STRTR	DR20STRTR
	White	DR15STWTR	DR20STWTR



BR20STGY



BR20STWTR



DR20STW

*Note: *Not Fed. Spec. Listed.*
**Modified SKUs available upon request (add M1 for shorter bridge strap and M2 for shorter strap and threaded screw hole).*

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY



15A 125V
NEMA 5-15R
cULus
0.5 HP



20A 125V
NEMA 5-20R
cULus
1 HP

EdgeConnect HBL® Extra Heavy Duty Specification Grade Receptacles

Duplex	Color	Catalog Number	
Weather Resistant, Finder Groove Face, Spring Termination.	Black	HBL5262STBKWR	HBL5362STBKWR
	Blue	HBL5262STBLWR	HBL5362STBLWR
	Brown	HBL5262STWR	HBL5362STWR
	Gray	HBL5262STGYWR	HBL5362STGYWR
	Green	HBL5262STGNWR	HBL5362STGNWR
	Ivory	HBL5262STIWR	HBL5362STIWR
	Light Almond	HBL5262STLAWR	HBL5362STLAWR
	Orange	HBL5262STOWR	HBL5362STOWR
	Red	HBL5262STRWR	HBL5362STRWR
	White	HBL5262STWWR	HBL5362STWWR



HBL5262STWWR

EdgeConnect Hubbell-PRO Extra Heavy Duty Specification Grade Receptacles

Duplex	Color	Catalog Number	
Weather Resistant, Finder Groove face, duplex, spring termination.	Black	5262STBKWR	5362STBKWR
	Blue	5262STBLWR	5362STBLWR
	Brown	5262STWR	5362STWR
	Gray	5262STGYWR	5362STGYWR
	Green	5262STGNWR	5362STGNWR
	Ivory	5262STIWR	5362STIWR
	Light Almond	5262STLAWR	5362STLAWR
	Orange	5262STOWR	5362STOWR
	Red	5262STRWR	5362STRWR
	White	5262STWWR	5362STWWR



DR20STWWR

EdgeConnect Commercial Specification Grade Receptacles

Description	Color	Catalog Number	
Weather Resistant, Smooth face, duplex, spring termination.	Black	BR15STBKWR	BR20STBKWR
	Blue	BR15STBLWR	BR20STBLWR
	Brown	BR15STWR	BR20STWR
	Gray	BR15STGYWR	BR20STGYWR
	Green	BR15STGNWR	BR20STGNWR
	Ivory	BR15STIWR	BR20STIWR
	Light Almond	BR15STLAWR	BR20STLAWR
	Orange	BR15STOWR	BR20STOWR
	Red	BR15STRWR	BR20STRWR
	White	BR15STWWR	BR20STWWR
Weather Resistant, Tamper-Resistant, smooth face, duplex, spring termination.	Black	BR15STBKWRTR	BR20STBKWRTR
	Blue	BR15STBLWRTR	BR20STBLWRTR
	Brown	BR15STWRTR	BR20STWRTR
	Gray	BR15STGYWRTR	BR20STGYWRTR
	Green	BR15STGNWRTR	BR20STGNWRTR
	Ivory	BR15STIWRTR	BR20STIWRTR
	Light Almond	BR15STLAWRTR	BR20STLAWRTR
	Orange	BR15STOWRTR	BR20STOWRTR
	Red	BR15STRWRTR	BR20STRWRTR
	White	BR15STWWRTR	BR20STWWRTR
Weather Resistant, Style Line® decorator duplex, spring termination.	Black	DR15STBKWR	DR20STBKWR
	Blue	DR15STBLWR	DR20STBLWR
	Brown	DR15STWR	DR20STWR
	Gray	DR15STGYWR	DR20STGYWR
	Green	DR15STGNWR	DR20STGNWR
	Ivory	DR15STIWR	DR20STIWR
	Light Almond	DR15STLAWR	DR20STLAWR
	Orange	DR15STOWR	DR20STOWR
	Red	DR15STRWR	DR20STRWR
	White	DR15STWWR	DR20STWWR
Weather Resistant, Tamper-Resistant, Style Line decorator duplex, spring termination.	Black	DR15STBKWRTR	DR20STBKWRTR
	Blue	DR15STBLWRTR	DR20STBLWRTR
	Brown	DR15STWRTR	DR20STWRTR
	Gray	DR15STGYWRTR	DR20STGYWRTR
	Green	DR15STGNWRTR	DR20STGNWRTR
	Ivory	DR15STIWRTR	DR20STIWRTR
	Light Almond	DR15STLAWRTR	DR20STLAWRTR
	Orange	DR15STOWRTR	DR20STOWRTR
	Red	DR15STRWRTR	DR20STRWRTR
	White	DR15STWWRTR	DR20STWWRTR



BR15STGYWR



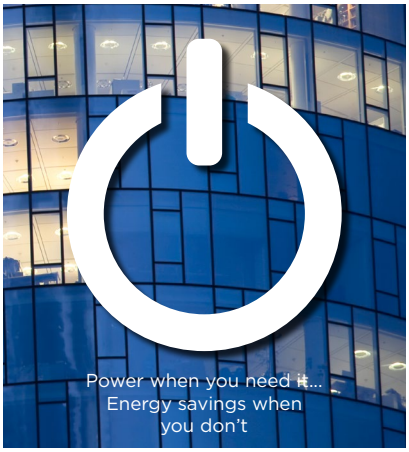
DR15STIWRTR

*Note: *Modified SKUs available upon request (add M1 for shorter bridge strap and M2 for shorter strap and threaded screw hole).*
Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

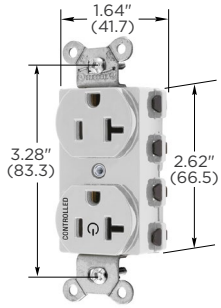
- Permanent power symbol remains clearly visible after installation
- Control both outlets per device for 100% controlled applications or just one outlet for 50% controlled applications
- Ideal for commercial buildings, retail, schools, hotel rooms
- Part of the Hubbell Load:Logic® Plug Control system



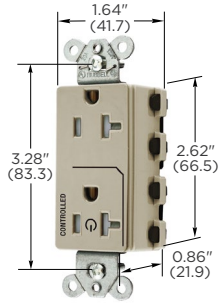


SNAPConnect® Permanently Marked Receptacles

Description	Color	One Controlled Face Split Circuit Hot Tab		Two Controlled Faces	
		15 Amp	20 Amp	15 Amp	20 Amp
SNAPConnect standard duplex, permanently marked for use with automatic plugload controls.	Black Blue Brown Gray Green Ivory Lt. Almond Red White	SNAP5262C1BK SNAP5262C1BL SNAP5262C1 SNAP5262C1GY SNAP5262C1GN SNAP5262C1I SNAP5262C1LA SNAP5262C1R SNAP5262C1W	SNAP5362C1BK SNAP5362C1BL SNAP5362C1 SNAP5362C1GY SNAP5362C1GN SNAP5362C1I SNAP5362C1LA SNAP5362C1R SNAP5362C1W	SNAP5262C2BK SNAP5262C2BL SNAP5262C2 SNAP5262C2GY SNAP5262C2GN SNAP5262C2I SNAP5262C2LA SNAP5262C2R SNAP5262C2W	SNAP5362C2BK SNAP5362C2BL SNAP5362C2 SNAP5362C2GY SNAP5362C2GN SNAP5362C2I SNAP5362C2LA SNAP5362C2R SNAP5362C2W
SNAPConnect Tamper-Resistant, standard duplex, permanently marked for use with automatic plugload controls.	Black Brown Gray Green Ivory Lt. Almond White	SNAP5262C1BKTRA SNAP5262C1TRA SNAP5262C1GYTRA SNAP5262C1GNTRA SNAP5262C1ITRA SNAP5262C1LATRA SNAP5262C1WTRA	SNAP5362C1BKTRA SNAP5362C1TRA SNAP5362C1GYTRA SNAP5362C1GNTRA SNAP5362C1ITRA SNAP5362C1LATRA SNAP5362C1WTRA	SNAP5262C2BKTRA SNAP5262C2TRA SNAP5262C2GYTRA SNAP5262C2GNTRA SNAP5262C2ITRA SNAP5262C2LATRA SNAP5262C2WTRA	SNAP5362C2BKTRA SNAP5362C2TRA SNAP5362C2GYTRA SNAP5362C2GNTRA SNAP5362C2ITRA SNAP5362C2LATRA SNAP5362C2WTRA
SNAPConnect decorator duplex, permanently marked for use with automatic plugload controls.	Black Blue Brown Gray Green Ivory Lt. Almond Red White	SNAP2152C1BK SNAP2152C1BL SNAP2152C1 SNAP2152C1GY SNAP2152C1GN SNAP2152C1I SNAP2152C1LA SNAP2152C1R SNAP2152C1W	SNAP2162C1BK SNAP2162C1BL SNAP2162C1 SNAP2162C1GY SNAP2162C1GN SNAP2162C1I SNAP2162C1LA SNAP2162C1R SNAP2162C1W	SNAP2152C2BK SNAP2152C2BL SNAP2152C2 SNAP2152C2GY SNAP2152C2GN SNAP2152C2I SNAP2152C2LA SNAP2152C2R SNAP2152C2W	SNAP2162C2BK SNAP2162C2BL SNAP2162C2 SNAP2162C2GY SNAP2162C2GN SNAP2162C2I SNAP2162C2LA SNAP2162C2R SNAP2162C2W
SNAPConnect Tamper-Resistant, decorator duplex, permanently marked for use with automatic plugload controls.	Black Brown Gray Green Ivory Lt. Almond White	SNAP2152C1BKTRA SNAP2152C1TRA SNAP2152C1GYTRA SNAP2152C1GNTRA SNAP2152C1ITRA SNAP2152C1LATRA SNAP2152C1WTRA	SNAP2162C1BKTRA SNAP2162C1TRA SNAP2162C1GYTRA SNAP2162C1GNTRA SNAP2162C1ITRA SNAP2162C1LATRA SNAP2162C1WTRA	SNAP2152C2BKTRA SNAP2152C2TRA SNAP2152C2GYTRA SNAP2152C2GNTRA SNAP2152C2ITRA SNAP2152C2LATRA SNAP2152C2WTRA	SNAP2162C2BKTRA SNAP2162C2TRA SNAP2162C2GYTRA SNAP2162C2GNTRA SNAP2162C2ITRA SNAP2162C2LATRA SNAP2162C2WTRA



SNAP5362C1W



SNAP2162C1ITRA

SNAPConnect Hospital Grade, Controlled, Tamper Resistant Duplex

Description	White	Red
20 Amp	SNAP8300C1WTRA	SNAP8300C1RTRA

Permanent Controlled Receptacle Label

Description	Catalog Number
For use in retrofit applications where indication of a controlled receptacle is required. This label is UL approved for marking and labeling. 60 labels of each per pack.	CL60



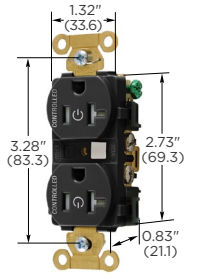
SNAP8300C1WTRA

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

Industrial Grade, Permanently Marked Tamper-Resistant Receptacles

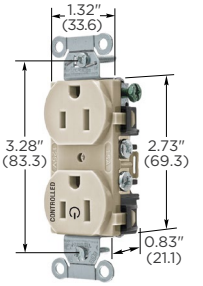
Duplex	Color	One Controlled Face Split Circuit Hot Tab		Two Controlled Faces	
		15 Amp	20 Amp	15 Amp	20 Amp
Smooth nylon face, duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	HBL5262C1BLKTR	HBL5362C1BLKTR	HBL5262C2BLKTR	HBL5362C2BLKTR
	Blue	HBL5262C1BLTR	HBL5362C1BLTR	HBL5262C2BLTR	HBL5362C2BLTR
	Brown	HBL5262C1TR	HBL5362C1TR	HBL5262C2TR	HBL5362C2TR
	Gray	HBL5262C1GRYTR	HBL5362C1GRYTR	HBL5262C2GRYTR	HBL5362C2GRYTR
	Ivory	HBL5262C1ITR	HBL5362C1ITR	HBL5262C2ITR	HBL5362C2ITR
	Lt. Almond	HBL5262C1LATR	HBL5362C1LATR	HBL5262C2LATR	HBL5362C2LATR
	Red	HBL5262C1RTR	HBL5362C1RTR	HBL5262C2RTR	HBL5362C2RTR
	White	HBL5262C1WHITR	HBL5362C1WHITR	HBL5262C2WHITR	HBL5362C2WHITR



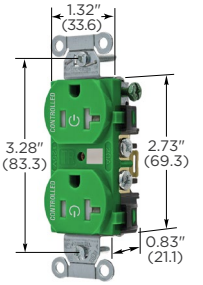
HBL5362C2BLKTR

Commercial Grade, Permanently Marked Receptacles

Description	Color	One Controlled Face Split Circuit Hot Tab		Two Controlled Faces	
		15 Amp	20 Amp	15 Amp	20 Amp
Duplex					
Smooth polycarbonate face, duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	BR15C1BLK	BR20C1BLK	BR15C2BLK	BR20C2BLK
	Blue	BR15C1BL	BR20C1BL	BR15C2BL	BR20C2BL
	Brown	BR15C1	BR20C1	BR15C2	BR20C2
	Gray	BR15C1GRY	BR20C1GRY	BR15C2GRY	BR20C2GRY
	Green	BR15C1GN	BR20C1GN	BR15C2GN	BR20C2GN
	Ivory	BR15C1I	BR20C1I	BR15C2I	BR20C2I
	Lt. Almond	BR15C1LA	BR20C1LA	BR15C2LA	BR20C2LA
	Red	BR15C1R	BR20C1R	BR15C2R	BR20C2R
	White	BR15C1WHI	BR20C1WHI	BR15C2WHI	BR20C2WHI
Smooth polycarbonate face, Tamper-Resistant, duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	BR15C1BLKTR	BR20C1BLKTR	BR15C2BLKTR	BR20C2BLKTR
	Blue	BR15C1BLTR	BR20C1BLTR	BR15C2BLTR	BR20C2BLTR
	Brown	BR15C1TR	BR20C1TR	BR15C2TR	BR20C2TR
	Gray	BR15C1GRYTR	BR20C1GRYTR	BR15C2GRYTR	BR20C2GRYTR
	Green	BR15C1GNTR	BR20C1GNTR	BR15C2GNTR	BR20C2GNTR
	Ivory	BR15C1ITR	BR20C1ITR	BR15C2ITR	BR20C2ITR
	Lt. Almond	BR15C1LATR	BR20C1LATR	BR15C2LATR	BR20C2LATR
	Red	BR15C1RTR	BR20C1RTR	BR15C2RTR	BR20C2RTR
	White	BR15C1WHITR	BR20C1WHITR	BR15C2WHITR	BR20C2WHITR
Style Line® Decorator					
Smooth polycarbonate face, decorator duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	DR15C1BLK	DR20C1BLK	DR15C2BLK	DR20C2BLK
	Blue	DR15C1BL	DR20C1BL	DR15C2BL	DR20C2BL
	Brown	DR15C1	DR20C1	DR15C2	DR20C2
	Gray	DR15C1GRY	DR20C1GRY	DR15C2GRY	DR20C2GRY
	Green	DR15C1GN	DR20C1GN	DR15C2GN	DR20C2GN
	Ivory	DR15C1I	DR20C1I	DR15C2I	DR20C2I
	Lt. Almond	DR15C1LA	DR20C1LA	DR15C2LA	DR20C2LA
	Red	DR15C1R	DR20C1R	DR15C2R	DR20C2R
	White	DR15C1WHI	DR20C1WHI	DR15C2WHI	DR20C2WHI
Smooth polycarbonate face, Tamper-Resistant, decorator duplex, permanently marked for use with automatic outlet control systems, back and side wired.	Black	DR15C1BLKTR	DR20C1BLKTR	DR15C2BLKTR	DR20C2BLKTR
	Blue	DR15C1BLTR	DR20C1BLTR	DR15C2BLTR	DR20C2BLTR
	Brown	DR15C1TR	DR20C1TR	DR15C2TR	DR20C2TR
	Gray	DR15C1GRYTR	DR20C1GRYTR	DR15C2GRYTR	DR20C2GRYTR
	Green	DR15C1GNTR	DR20C1GNTR	DR15C2GNTR	DR20C2GNTR
	Ivory	DR15C1ITR	DR20C1ITR	DR15C2ITR	DR20C2ITR
	Lt. Almond	DR15C1LATR	DR20C1LATR	DR15C2LATR	DR20C2LATR
	Red	DR15C1RTR	DR20C1RTR	DR15C2RTR	DR20C2RTR
	White	DR15C1WHITR	DR20C1WHITR	DR15C2WHITR	DR20C2WHITR



BR15C1LA



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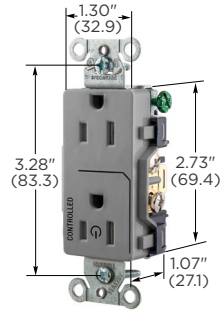
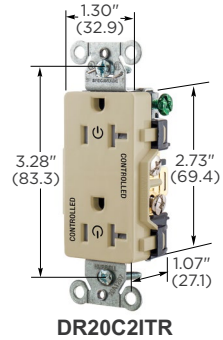


DR15C1GRY



DR20C2ITR

Permanent Controlled Receptacle Label

Description	Catalog Number
For use in retrofit applications where indication of a controlled receptacle is required. This label is UL approved for marking and labeling. 60 labels of each per pack.	CL60

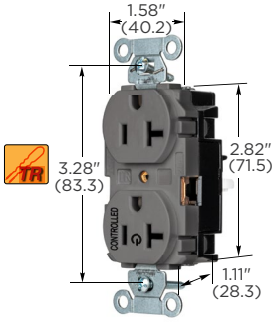
Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

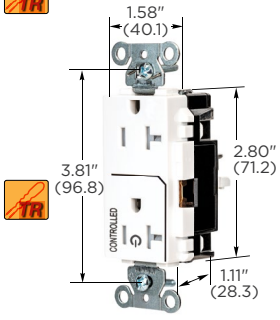
EdgeConnect, Permanently Controlled Marked Receptacles

Duplex	Color	15 Amp	20 Amp
Fully controlled commercial grade, duplex receptacle.	Gray Green White	— — **BR15STC1W**	**BR20STC1GY** **BR20STC1GN** **BR20STC1W**
Fully controlled commercial grade, duplex receptacle, tamper-resistant.	Gray Green White	— — —	**BR20STC1GYTR** **BR20STC1GNTR** **BR20STC1WTR**
Fully controlled.	Gray Green Ivory White	— — — **BR15STC2W**	**BR20STC2GY** **BR20STC2GN** **BR20STC2I** **BR20STC2W**
Fully controlled, tamper-resistant.	Gray Green White	— — —	**BR20STC2GYTR** **BR20STC2GNTR** **BR20STC2WTR**
1/2 controlled, Style Line® decorator.	Gray White	— **DR15STC1W**	**DR20STC1GY** **DR20STC1W**
1/2 controlled, Style Line® decorator, tamper-resistant.	White	—	**DR20STC1WTR**
Fully controlled, Style Line® decorator.	Gray Green	— —	**DR20STC2GY** **DR20STC2W**
Fully controlled, Style Line® decorator, tamper-resistant.	Gray Green	— —	**DR20STC2GYTR** **DR20STC2WTR**
1/2 controlled industrial grade, duplex receptacle, tamper-resistant.	Gray Green	— —	**HBL5362STC1GYTR** **HBL5362STC1WTR**
Fully controlled industrial grade, duplex receptacle, tamper-resistant.	Ivory White	— —	**HBL5362STC2ITR** **HBL5362STC2WTR**

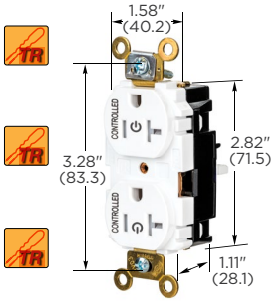
*Note: *Additional half controlled or fully controlled receptacles available upon request.*
**Modified SKUs available upon request (add M1 for shorter bridge strap and M2 for shorter strap and threaded screw hole).*



BR20STC1GY



DR20STC1WTR



HBL5362STC2WTR

Dimensions in Inches (mm)

Automatic Receptacle Control

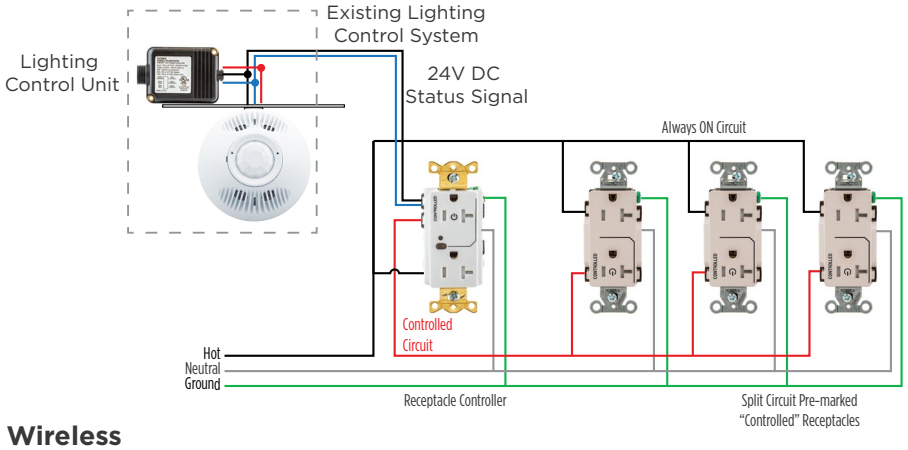
New Codes and Standards mandates that 50% of all receptacles in private offices, open offices and computer classrooms must be automatically controlled by occupancy or time based schedules. This also includes outlets in modular furniture. Hubbell provides solutions for compliance that are cost effective and installer friendly. Find out more design resources at www.hubbell-wiring.com/energy.aspx



Wired

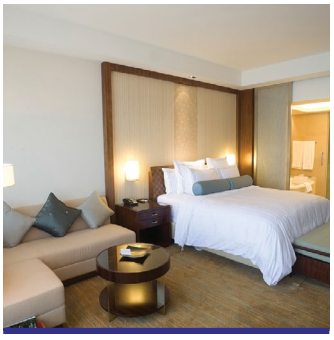
Utilizing low voltage wiring provides installers with a familiar method of wiring and installation. Specify Hubbell's new load control receptacle to meet this requirement. Utilize alternating outlet or split receptacle wiring as required to control at least 50% of the outlets in the space.

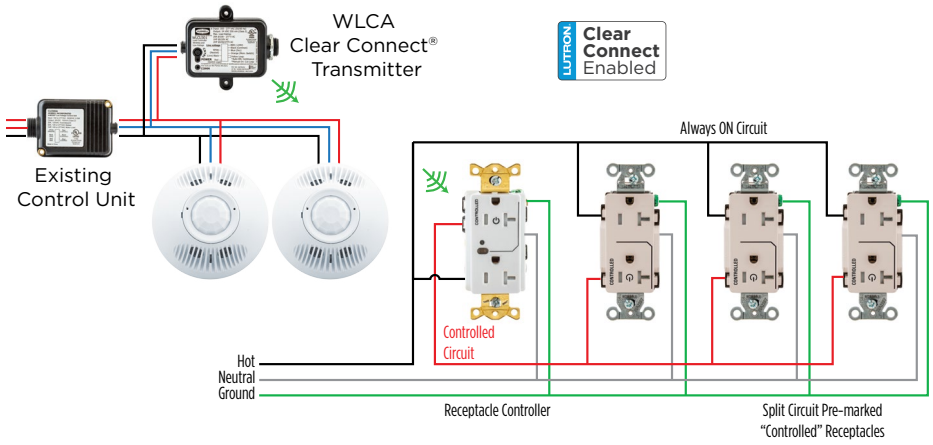




Wireless

Wireless communication takes complexity out of retrofit and difficult installations by eliminating low voltage wires running between lighting and receptacle control units. This gives installers flexibility to quickly deploy, add additional devices, and configure and re-configure the system as needed. Hubbell's WL series controls utilize Clear Connect® communication and are compatible with other Clear Connect® devices, such as Hubbell's wireless occupancy sensors.







Codes and Standards

ASHRAE Standard 90.1 2019
Standard 90.1 requires that at least 50 percent of all 125V, 15A and 20A receptacles in private offices, open offices and classrooms be controlled by an automatic control device. Controlled receptacles need to be marked to differentiate them from non-controlled receptacles.

California Title 24 Building Energy Efficiency Standards 2019
Section 130.5(d) of California Energy Commission Title 24, Part 6 - 2019 code requires receptacles to have automatic shutoff controls in certain spaces in all buildings

2020 National Electrical Code®
NEC® Section 406.3(E) requires that all nonlocking, 125 V, 15A and 20A receptacles controlled by an automatic control device or by an automatic energy management system must be marked with the ⏀ symbol and the word "CONTROLLED".

Note: Clear Connect® is a registered trademark of Lutron Electronics Co., Inc.

Features and Benefits

Automatic Receptacle Control

The Load Control Switched Duplex Receptacle is the latest addition to Hubbell Wiring Device-Kellems' comprehensive offering for automatic receptacle control requirements. Featuring Hubbell's exclusive and patented tamper-resistant mechanism as standard, the unit is capable of controlling other receptacles downstream in the branch circuit.

Hubbell offers this innovative device in wired and wireless options, which are both fully compatible with existing systems. This allows for easy additions and changes to meet current energy codes and standards in current facilities.



Common Features

- Half Controlled or Fully Controlled 15A or 20A Options
- Hubbell's Exclusive Tamper-Resistant Mechanism
- Downstream Branch Circuit Control
- Brass Strap
- Permanent NEC 406.3 (E) Markings
- UL498B SA Listed Receptacles with Integral Switching Comply with Supplement SA
- Fed Spec W596G
- Hospital Grade Series Available



Wired Switched Receptacles

- The wired series is designed to be automatically controlled by a low voltage signal from either occupancy sensors, or any other type of control device capable of performing this task, such as a time-of-day control device



Wireless Switched Receptacles

- The Clear Connect™ enabled wireless series is a wireless receiver that is controlled by the corresponding occupancy sensor

Wired Switched Receptacles for Automatic Receptacle Control

Description	Color	15A		20A	
		Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Auto ON/Auto OFF control. Capable of controlling additional receptacles downstream.	Black Brown Gray Green Ivory Lt. Almond White	HBL5262LC1BK HBL5262LC1 HBL5262LC1GY HBL5262LC1GN HBL5262LC1I HBL5262LC1LA HBL5262LC1W	HBL5262LC2BK HBL5262LC2 HBL5262LC2GY HBL5262LC2GN HBL5262LC2I HBL5262LC2LA HBL5262LC2W	HBL5362LC1BK HBL5362LC1 HBL5362LC1GY HBL5362LC1GN HBL5362LC1I HBL5362LC1LA HBL5362LC1W	HBL5362LC2BK HBL5362LC2 HBL5362LC2GY HBL5362LC2GN HBL5362LC2I HBL5362LC2LA HBL5362LC2W

Note: See Section F, page F-22 for technical information. Special order for hospital grade devices.



HBL5362LC2LA

Wireless Switched Receptacles for Automatic Receptacle Control

Description	Color	15A		20A	
		Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Wireless receiver Auto ON/Auto OFF. Capable of controlling additional receptacles downstream.	Black Brown Gray Green Ivory Lt. Almond White	HBL5262RFC1BK HBL5262RFC1 HBL5262RFC1GY HBL5262RFC1GN HBL5262RFC1I HBL5262RFC1LA HBL5262RFC1W	HBL5262RFC2BK HBL5262RFC2 HBL5262RFC2GY HBL5262RFC2GN HBL5262RFC2I HBL5262RFC2LA HBL5262RFC2W	HBL5362RFC1BK HBL5362RFC1 HBL5362RFC1GY HBL5362RFC1GN HBL5362RFC1I HBL5362RFC1LA HBL5362RFC1W	HBL5362RFC2BK HBL5362RFC2 HBL5362RFC2GY HBL5362RFC2GN HBL5362RFC2I HBL5362RFC2LA HBL5362RFC2W

Note: See Section F, page F-22 for technical information. Special order for hospital grade devices.



HBL5362RFC1GY

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

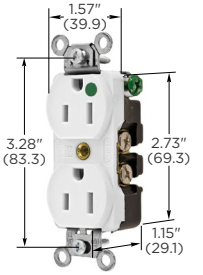


20A 125V
NEMA 5-20R
UL CSA
1 HP

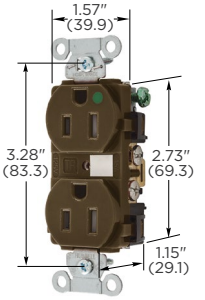
Fed. Spec.

Hubbell-PRO Extra Heavy Duty Hospital Grade ● Receptacles

Description	Color	15A	20A	One Controlled Face	Two Controlled Faces
Duplex					
Hospital grade and hospital grade controlled, smooth polycarbonate face, back and side wired. Assembled in USA.	Black	8200BK	8300BK	—	—
	Brown	8200	8300	—	—
	Gray	8200GY	8300GY	—	—
	Ivory	8200IV	8300IV	8300C1IV	8300C2IV
	Light Almond	8200LA	8300LA	8300C1LA	8300C2LA
	Red	8200RED	8300RED	8300C1RED	8300C2RED
	White	8200WHI	8300WHI	8300C1WHI	8300C2WHI
Hospital grade, Tamper-Resistant, smooth polycarbonate face, back and side wired. Assembled in USA.	Black	8200BKTRA	8300BKTRA	—	—
	Brown	8200TRA	8300TRA	—	—
	Gray	8200GYTRA	8300GYTRA	—	—
	Ivory	8200IVTRA	8300IVTRA	—	—
	Light Almond	8200LATRA	8300LATRA	—	—
	Red	8200REDTRA	8300REDTRA	—	—
	White	8200WTRA	8300WTRA	—	—
Hospital grade, with Power Indicating LED, smooth polycarbonate face, back and side wired. Assembled in USA.	Black	8200BKL	8300BKL	—	—
	Brown	8200L	8300L	—	—
	Gray	8200GYL	8300GYL	—	—
	Ivory	8200IVL	8300IVL	—	—
	Light Almond	8200LAL	8300LALM	—	—
	Red	8200REDL	8300REDL	—	—
	White	8200WL	8300WL	—	—
Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth polycarbonate face, back and side wired. Assembled in USA.	Black	8200BKLTRA	8300BKLTRA	—	—
	Brown	8200LTRA	8300LTRA	—	—
	Gray	8200GYLTRA	8300GYLTRA	—	—
	Ivory	8200IVLTRA	8300IVLTRA	—	—
	Light Almond	8200LALTRA	8300LALTRA	—	—
	Red	8200REDLTRA	8300REDLTRA	—	—
	White	8200WLTRA	8300WLTRA	—	—
Style Line® Decorator					
Hospital grade, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	2172BK	2182BK	—	—
	Brown	2172	2182	—	—
	Gray	2172GY	2182GY	—	—
	Ivory	2172IV	2182IV	—	—
	Light Almond	2172LA	2182LA	—	—
	Red	2172RED	2182RED	—	—
	White	2172W	2182W	—	—
Hospital grade, Tamper-Resistant, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	2172BKTRA	2182BKTRA	—	—
	Brown	2172TRA	2182TRA	—	—
	Gray	2172GYTRA	2182GYTRA	—	—
	Ivory	2172IVTRA	2182IVTRA	—	—
	Light Almond	2172LATRA	2182LATRA	—	—
	Red	2172REDTRA	2182REDTRA	—	—
	White	2172WTRA	2182WTRA	—	—
Hospital grade, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	2172BKL	2182BKL	—	—
	Brown	2172L	2182L	—	—
	Gray	2172GYL	2182GYL	—	—
	Ivory	2172IVL	2182IVL	—	—
	Light Almond	2172LAL	2182LAL	—	—
	Red	2172REDL	2182REDL	—	—
	White	2172WL	2182WL	—	—
Hospital grade, Tamper-Resistant, with Power Indicating LED, Style Line® decorator, flush, nylon face, back and side wired. Assembled in USA.	Black	2172BKLTRA	2182BKLTRA	—	—
	Brown	2172LTRA	2182LTRA	—	—
	Gray	2172GYLTRA	2182GYLTRA	—	—
	Ivory	2172IVLTRA	2182IVLTRA	—	—
	Light Almond	2172LALTRA	2182LALTRA	—	—
	Red	2172REDLTRA	2182REDLTRA	—	—
	White	2172WLTRA	2182WLTRA	—	—



8200WHI



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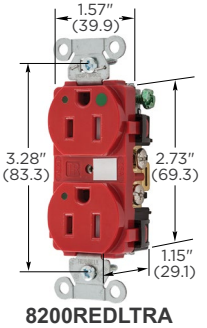
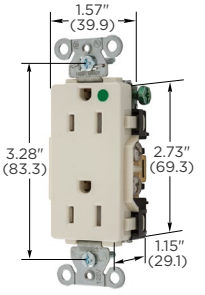


8200REDLTRA



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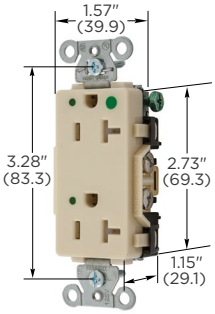


2182IVLTRA

Note: See page B-53 for accessories. See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions. See section P for wallplates.

Dimensions in Inches (mm)

15 and 20 Ampere, 125 and 250 Volts



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Hubbell-PRO Extra Heavy Duty Specification Grade Receptacles

Duplex	Color	Catalog Number	
Smooth polycarbonate face, duplex, back and side wired. Assembled in USA.	Black	5252BK	5352BK
	Brown	5252B	5352B
	Gray	5252G	5352G
	Ivory	5252I	5352I
	Light Almond	5252LA	5352LA
	Red	5252R	5352R
	White	5252W	5352W
Finder groove polycarbonate face, duplex, back and side wired. Assembled in USA.	Black	5262BLK	5362BLK
	Blue	5262BL	5362BL
	Brown	5262B	5362B
	Gray	5262G	5362G
	Ivory	5262I	5362I
	Light Almond	5262LA	5362LA
	Red	5262R	5362R
	White	5262W	5362W

Hubbell-PRO Heavy Duty Specification Grade Receptacles

Duplex	Color	Standard Duplex		Isolated Ground[Δ]	
		15A 125V NEMA 5-15R	20A 125V NEMA 5-20R	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R
Smooth polycarbonate face, duplex, back and side wired.	Black	5252ABLK	5352ABLK	—	—
	Brown	5252AB	5352AB	—	—
	Gray	5252AG	5352AG	IG5252GY	IG5352GY
	Ivory	5252AI	5352AI	IG5252I	IG5352I
	Light Almond	5252ALA	5352ALA	IG5252LA	IG5352LA
	Orange	—	—	IG5252	IG5352
	Red	5252AR	5352AR	—	—
	White	5252AW	5352AW	IG5252W	IG5352W
Smooth polycarbonate face, Tamper-Resistant, duplex, back and side wired.	Black	5252BLKTR	5352BLKTR	—	—
	Brown	5252BTR	5352BTR	—	—
	Gray	5252GTR	5352GTR	—	—
	Ivory	5252ITR	5352ITR	IG5252ITR	IG5352ITR
	Light Almond	5252LATR	5352LATR	—	—
	Orange	—	—	IG5252TR	IG5352TR
	Red	5252RTR	5352RTR	—	—
	White	5252WTR	5352WTR	IG5252WTR	IG5352WTR
Finder groove polycarbonate face, duplex, back and side wired.	Black	5262ABLK	5362ABLK	CR5252IGBK	CR5352IGBK
	Blue	5262ABL	5362ABL	—	CR5352IGBL
	Brown	5262AB	5362AB	—	—
	Gray	5262AG	5362AG	CR5252IGGY	CR5352IGGY
	Ivory	5262AI	5362AI	CR5252IGI	CR5352IGI
	Light Almond	5262ALA	5362ALA	—	—
	Orange	—	—	CR5252IG	CR5352IG
	Red	5262AR	5362AR	—	—
	White	5262AW	5362AW	CR5252IGW	CR5352IGW
Weather resistant, Finder groove nylon face, duplex, back and side wired.	Black	5262BKWR	5362BKWR	—	—
	Brown	5262WR	5362WR	—	—
	Gray	5262GYWR	5362GYWR	—	—
	Ivory	5262IWR	5362IWR	—	—
	White	5262WWR	5362WWR	—	—

Note: [Δ]See section O for additional information on isolated ground devices.
See page B-53 for accessories and section P for wallplates.
See page Tech-10 for Tamper and Weather Resistant descriptions.
Horsepower ratings listed above are AC only.



15A 250V
NEMA 6-15R
UL CSA
1.5 HP

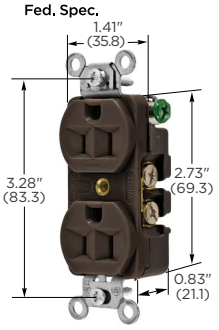


20A 250V
NEMA 6-20R
UL CSA
2 HP

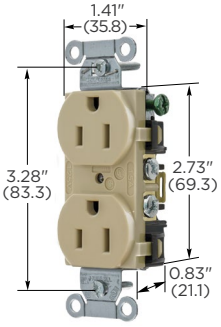
Hubbell-PRO 250V Heavy Duty Specification Grade Receptacles

Description	Color	Catalog Number	
Smooth nylon face, duplex, back and side wired.	Black	5662BK	5462BK
	Blue	5662BL	5462BL
	Brown	5662B	5462B
	Gray	5662GY	5462GY
	Green	5662GN	5462GN
	Ivory	5662IV	5462IV
	Light Almond	5662LA	5462LA
	Red	5662R	5462R
	White	5662WHI	5462WHI

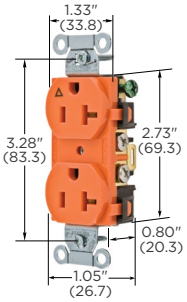
Fed. Spec.



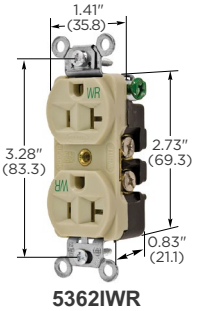
5262B



5252AI



IG5352



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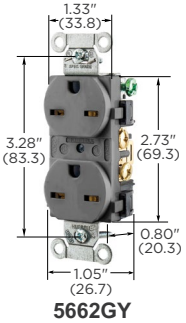


5662GY

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

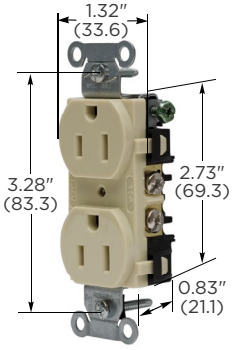


20A 125V
NEMA 5-20R
UL CSA
1 HP

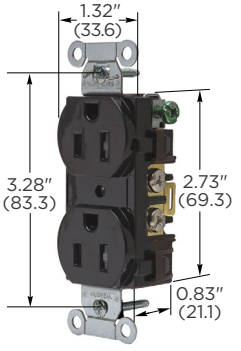
Commercial Specification Grade Receptacles

Duplex	Color	Catalog Number	
Smooth polycarbonate face, duplex, side wired only.	Black	**CR15BLK**	**CR20BLK**
	Brown	**CR15**	**CR20**
	Gray	**CR15GRY**	**CR20GRY**
	Ivory	**CR15I**	**CR20I**
	Light Almond	**CR15LA**	**CR20LA**
	Red	—	**CR20R**
	White	**CR15WHI**	**CR20WHI**
Tamper-Resistant, smooth polycarbonate face, duplex, side wired only.	Black	**CR15BLKTR**	**CR20BLKTR**
	Brown	**CR15TR**	**CR20TR**
	Gray	**CR15GRYTR**	**CR20GRYTR**
	Ivory	**CR15ITR**	**CR20ITR**
	Light Almond	**CR15LATR**	**CR20LATR**
	Red	—	**CR20RTR**
	White	**CR15WHITR**	**CR20WHITR**
Finder groove, polycarbonate face, duplex, side wired only.	Black	—	**CRF20BLK**
	Brown	**CRF15**	**CRF20**
	Gray	**CRF15GRY**	**CRF20GRY**
	Ivory	**CRF15I**	**CRF20I**
	Light Almond	**CRF15LA**	**CRF20LA**
	White	**CRF15WHI**	**CRF20WHI**

Note: See page B-53 for accessories.
See page Tech-10 for Tamper-Resistant descriptions.
See section P for wallplates.



CR15I



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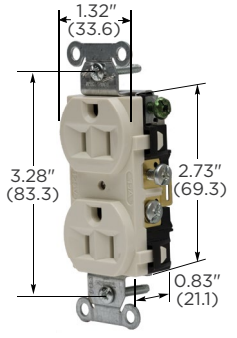


CRF15LA

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

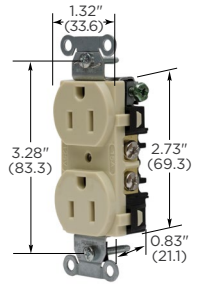


20A 125V
NEMA 5-20R
UL CSA
1 HP

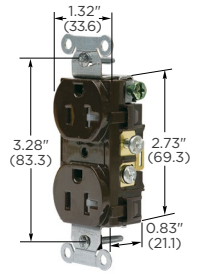
Commercial Specification Grade Receptacles

Duplex	Color	Catalog Number	
Smooth polycarbonate face, duplex, back and side wired.	Black	BR15BLK	BR20BLK
	Blue	BR15BL	BR20BL
	Brown	BR15	BR20
	Gray	BR15GRY	BR20GRY
	Green	BR15GN	BR20GN
	Ivory	BR15I	BR20I
	Light Almond	BR15LA	BR20LA
	Red	BR15R	BR20R
	White	BR15WHI	BR20WHI
Tamper-Resistant, smooth polycarbonate face, duplex, back and side wired.	Black	BR15BLKTR	BR20BLKTR
	Blue	BR15BLTR	BR20BLTR
	Brown	BR15TR	BR20TR
	Gray	BR15GRYTR	BR20GRYTR
	Green	BR15GNTR	BR20GNTR
	Ivory	BR15ITR	BR20ITR
	Light Almond	BR15LATR	BR20LATR
	Red	BR15RTR	BR20RTR
	White	BR15WHITR	BR20WHITR
Weather Resistant, smooth polycarbonate face, duplex, back and side wired.	Black	BR15BLKWR	BR20BLKWR
	Brown	BR15WR	BR20WR
	Gray	BR15GRYWR	BR20GRYWR
	Ivory	BR15IWR	BR20IWR
	Light Almond	BR15LAWR	BR20LAWR
	White	BR15WHIWR	BR20WHIWR
Weather and Tamper-Resistant, smooth polycarbonate face, duplex, back and side wired.	Black	BR15BLKWRTR	BR20BLKWRTR
	Brown	BR15WRTR	BR20WRTR
	Gray	BR15GRYWRTR	BR20GRYWRTR
	Ivory	BR15IWRTR	BR20IWRTR
	Light Almond	BR15LAWRTR	BR20LAWRTR
	White	BR15WHIWRTR	BR20WHIWRTR
Isolated ground[Δ], smooth nylon face, duplex, side wired only.	Gray	IG15CRGRY	IG20CRGRY
	Ivory	IG15CRI	IG20CRI
	Light Almond	IG15CRLA	IG20CRLA
	Orange	IG15CR	IG20CR
	White	IG15CRWHI	IG20CRWHI
Isolated ground[Δ], Style Line® decorator*, smooth nylon face, duplex, back and side wired.	Gray	IG15DRGRY	IG20DRGRY
	Ivory	IG15DRI	IG20DRI
	Light Almond	IG15DRLA	IG20DRLA
	Orange	IG15DR	IG20DR
	White	—	IG20DRWHI

Note: [Δ]See section O for additional information on isolated ground devices.
See page B-53 for accessories.
See page Tech-10 for Tamper and Weather Resistant descriptions.
See section P for wallplates.
Duplex = Modified strap. Smooth polycarbonate face, duplex, side wired only.
Ears & screws removed (autoground staple kept), bulk pack case of 100 (sold in 100 increments).
Color = White
Catalog Number = CR20WM1



BR15I



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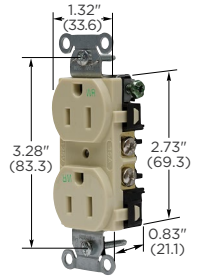

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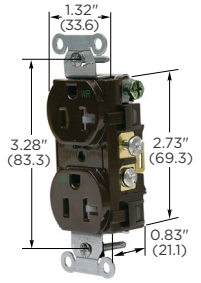
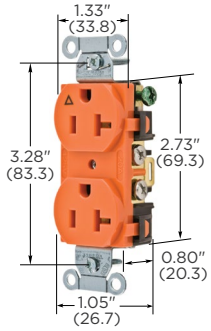


BR20WRTR



IG20CR

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

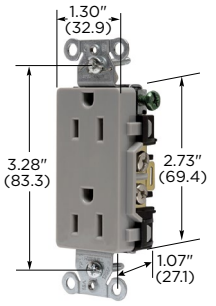


20A 125V
NEMA 5-20R
UL CSA
1 HP

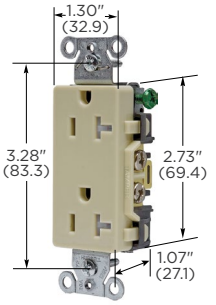
Commercial Specification Grade Receptacles

Style Line® Decorator	Color	Catalog Number	
Smooth polycarbonate face, Style Line decorator duplex, back and side wired.	Black Brown Gray Green Ivory Light Almond Red White	**DR15BLK** **DR15** **DR15GRY** **DR15GN** **DR15I** **DR15LA** **DR15R** **DR15WHI**	**DR20BLK** **DR20** **DR20GRY** **DR20GN** **DR20I** **DR20LA** **DR20R** **DR20WHI**
Tamper-Resistant, Style Line decorator duplex, smooth polycarbonate face, back and side wired.	Black Brown Gray Green Ivory Light Almond White	**DR15BLKTR** **DR15TR** **DR15GRYTR** **DR15GNTR** **DR15ITR** **DR15LATR** **DR15WHITR**	**DR20BLKTR** **DR20TR** **DR20GRYTR** **DR20GNTR** **DR20ITR** **DR20LATR** **DR20WHITR**
Weather and Tamper-Resistant, Style Line decorator duplex, smooth polycarbonate face, back and side wired.	Black Brown Gray Ivory Light Almond White	**DR15BLKWRTR** **DR15WRTR** **DR15GRYWRTR** **DR15IWRTR** **DR15LAWRTR** **DR15WHIWRTR**	**DR20BLKWRTR** **DR20WRTR** **DR20GRYWRTR** **DR20IWRTR** **DR20LAWRTR** **DR20WHIWRTR**
Nightlight receptacle, two nightlight sources for a total of 0.5 Lumens, Tamper-Resistant shutters complies with NEC article 406.12, back and side wired.	Ivory Light Almond White	**DR15NLIV** **DR15NLLA** **DR15NLWH**	— — —

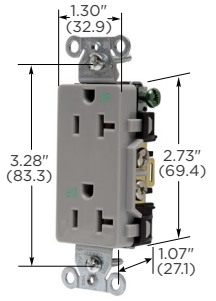
Note: See page B-53 for accessories.
See page Tech-10 for Tamper and Weather Resistant descriptions.
See section P for wallplates.



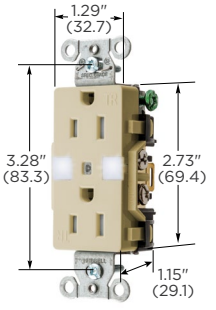
DR15GRY



DR20ITR



DR20GRYWRTR

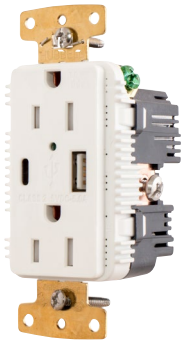


DR15NLIV

Dimensions in Inches (mm)

Weather Resistant Receptacle Features

- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Type A&C USB ports
- Power indicating green LED light





Weather Resistant USB Charger Duplex Receptacles

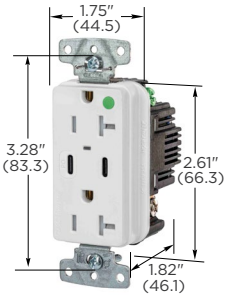
Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle, One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade.	Black Brown Gray Ivory Light Almond White	USB15AC5BKWR USB15AC5WR USB15AC5GYWR USB15AC5IWR USB15AC5LAWR USB15AC5WWR	USB20AC5BKWR USB20AC5WR USB20AC5GYWR USB20AC5IWR USB20AC5LAWR USB20AC5WWR

Note: Outdoor circuits should be GFCI protected per national and local electric codes.

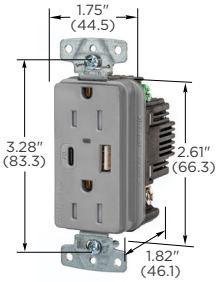
Commercial and Hospital Grade ● USB-C Power Delivery Charger Tamper-Resistant Duplex Receptacles

Description	Color	Commercial		Hospital Grade	
		15A 125V	20A 125V	15A 125V	20A 125V
Two Type-C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB Type-C convenience port with up to 1.5 Amp, 5 Volt USB output, Tamper Resistant duplex receptacle, USB ports rated 10,000 cycles.	Black Brown Gray Ivory Lt. Almond Red White	USB15CPDBK USB15CPD USB15CPDGY USB15CPDI USB15CPDLA — USB15CPDW	USB20CPDBK USB20CPD USB20CPDGY USB20CPDI USB20CPDLA — USB20CPDW	USB8200CPDBK USB8200CPD USB8200CPDGY USB8200CPDI USB8200CPDLA — USB8200CPDW	USB8200CPDBK USB8200CPD USB8200CPDGY USB8200CPDI USB8200CPDLA USB8300CPDR USB8200CPDW
One Type-A and one Type-C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB-A convenience port with up to 1.5 Amp, 5 Volt USB output, Tamper Resistant duplex receptacles, USB ports rated 10,000 cycles.	Black Brown Gray Ivory Lt. Almond Red White	USB15ACPDBK USB15ACPD USB15ACPDGY USB15ACPDI USB15ACPDLA — USB15ACPDW	USB20ACPDBK USB20ACPD USB20ACPDGY USB20ACPDI USB20ACPDLA — USB20ACPDW	USB8200ACPDBK USB8200ACPD USB8200ACPDGY USB8200ACPDI USB8200ACPDLA USB8200ACPDR USB8200ACPDW	USB8300CPDBK USB8300CPD USB8300CPDGY USB8300CPDI USB8300CPDLA USB8300CPDR USB8300CPDW

Note: See page Tech-10 for Tamper-Resistant description.



USB8300CPDW



USB15ACPDGY

4 Port USB Charger Outlets

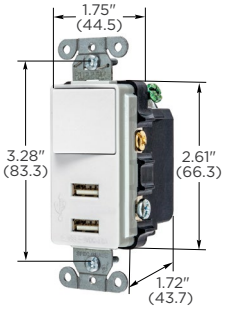
Description	Color	Catalog Number
USB Charger Outlets, 4 USB ports, two Type A & two Type-C ports, 5 Amp up to 9 Volt DC, Style Line® decorator.	Black Brown Gray Ivory Light Almond White	USB4ACBK USB4AC USB4ACGY USB4ACI USB4ACLA USB4ACW

Switch Combo Outlets

Description	Color	Catalog Number
Switch Combo Outlet, two USB Type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line decorator.	Black Brown Gray Ivory Light Almond White	USB102BK USB102 USB102GY USB102I USB102LA USB102W



USB4W



USB102W

Dimensions in Inches (mm)

NEC is a registered trademark of the National Fire Protection Association (NFPA).

15 and 20 Ampere, 125 Volts



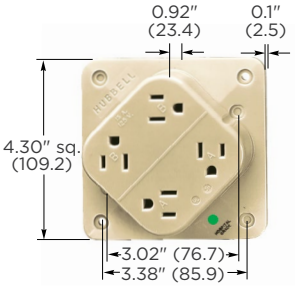
15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

4-PLEX® Hospital Grade ● Receptacles

Description	Color	Catalog Number	
4 outlet high impact resistant polycarbonate construction. Mount to 4 in. square box.	Brown	HBL415H	HBL420H
	Gray	—	HBL420HGY
	Ivory	HBL415HI	HBL420HI
	Red	HBL415HR	HBL420HR
	White	HBL415HW	HBL420HW
4-PLEX surge protection receptacles with lights, 80 joules, 6.5kA peak current.	Blue	—	HBL420HS
	Ivory	—	HBL420HIS
	Red	—	HBL420HRS



HBL415HI



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



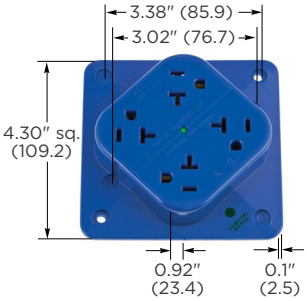
20A 125V
NEMA 5-20R
UL CSA
1 HP

4-PLEX Receptacles

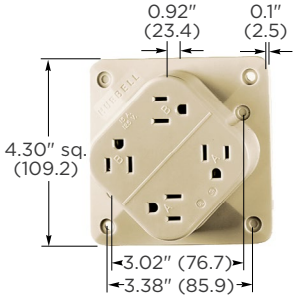
Over Size Robertson/Slotted Head Terminal Screws

Description	Color	Catalog Number	
Specification grade.	Black	HBL415BK	HBL420BK
	Brown	HBL415	HBL420
	Gray	HBL415GY	HBL420GY
	Ivory	HBL415I	HBL420I
	White	HBL415W	HBL420W
Isolated ground[Δ].	Orange	IG415	IG420
Surge suppression.	Blue	HBL415S	HBL420S
	Ivory	HBL415IS	HBL420IS

Note: [Δ]See section O for additional information on isolated ground devices. Horsepower ratings are AC only. 4-PLEX Receptacles are of a non-metallic design. Product is supplied with isolated ground symbol stickers. Apply if needed. Mounts to 4-inch square box.



HBL420HS

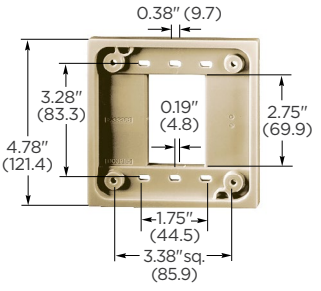


HBL415I

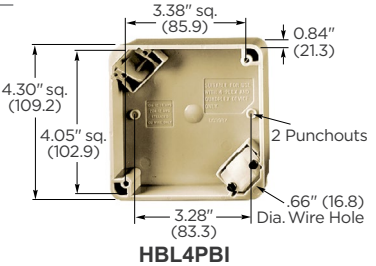
4-PLEX Accessories

Description	Color	Catalog Number
4-PLEX adapter plates for 1- and 2-gang, device boxes.	Blue	HBL4APBL
	Brown	HBL4AP
	Gray	HBL4APGY
	Ivory	HBL4API
	Orange	HBL4APO
	Red	HBL4APR
	White	HBL4APW
4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	Black	HBL4PBBK
	Brown	HBL4PB
	Ivory	HBL4PBI

Note: 4-PLEX Box is not UL listed or CSA Certified. UL listing does not apply when 4-PLEX Receptacle is used with 4-PLEX Box in extension cord application. Supplied with one cord clamp.



HBL4API



HBL4PBI

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)



Hospital Grade Plugs and Connectors

- Hospital Grade with green dot symbol
- Powerful offsetting cord grips clamp on individual conductors
- Transparent angled wiring entrance holes permit “straight in” conductor insertion
- Valise® devices have unique patented clamp type terminals, provide a superior electrical connection



Heavy Duty Insulgrip® Plugs and Connectors

- Beveled housing prevents snagging
- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .23 to .72 inch (5.8 to 18.3)
- Individually molded face for each blade configuration keeps debris out of plug interior
- Ribbed nylon housing is impact and chemical resistant



Watertight and Dust Tight Devices

- Multiple “U-Drive” fast lead body assembly screws
- Color coded Kellems GOTCHA® rings provide increased cord retention
- Powerful nylon cord grip prevents strain on terminals
- Dust and moisture seal keeps out liquids, metal filings and other foreign materials
- Closure plug seals connector body when disconnected from plug

Insulgrip® 15, 20 Ampere Plugs and Connector Bodies

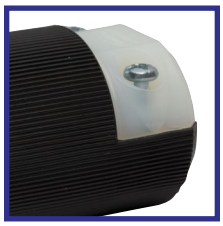
Features and Benefits

Insulgrip products are synonymous with Hubbell's ongoing commitment to discovering ways to make products safer and last longer.

By encasing wiring devices in tough nylon housings, Insulgrip devices ensure high impact, heat, and chemical resistance while insulating current-carrying components from the user for maximum safety.

- The Insulgrip's cord gripping design clamps conductors, not just the cable jacket, making it the industry's most powerful cord grip with superior strain relief.
- Each Insulgrip device is manufactured with roomy, separate wiring chambers to insulate conductors and an individually molded face to keep out dust and debris that can cause contamination over time.





Housing Design

- Ribbed nylon housing provides a secure grip that's impact and chemical resistant
- Beveled housing prevents snagging when dragged across uneven surfaces
- Individually molded face for each blade configuration keeps debris out of plug interior



Internal Design

- Powerful cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations
- Individual wiring terminals are completely enclosed in their own separate chambers



Cord Range

- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .230"-.720" (5.8-18.3)
- VARI-SIZE® pointer set to "smaller than gauge" position. Cord diameter range is .230"-.360" (5.8-9.0); accepts slotted and Phillips head drivers



Assembly

- Multiple drive screw heads provide screwdriver versatility; pocketed recess for cord grip screws deters slippage of the screwdriver



Identification

- Catalog number is visible on the device while in use for easy identification



Visual Verification

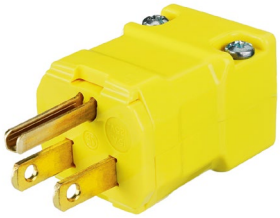
- Transparent angled wiring entrance holes permit "straight in" conductor insertion and quick visual verification for terminations

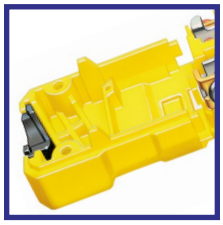
Dimensions in Inches (mm)

Features and Benefits

Valise Plugs and Connector Bodies

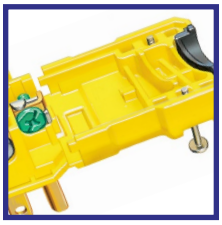
Hubbell Valise plugs go together in seconds but stay together securely for reliable long-term operation. Eight loadbearing, locking lugs in the impact- and crush-resistant nylon body assure a positive grip. Devices feature patented "wire bundling" terminals that are easy to wire and provide positive, reliable terminations.





Housing Design

- Removable cord inserts to accommodate a wide range of cord sizes, .220"-.660" (5.6-16.8)
- Powerful cord grips prevent conductor slippage and strain on wiring terminals
- Eight specially designed load bearing locking lugs insure a positive fit as the blade holder and sides are closed



Internal Design

- Unique patented clamp-type terminals provide a superior electrical connection by "bundling" the conductor strands when clamps are tightened
- Nylon webs are provided to make wiring quick and easy during assembly
- Two captive multiple drive assembly screws

Elastogrip High Visibility Yellow Plugs and Connectors

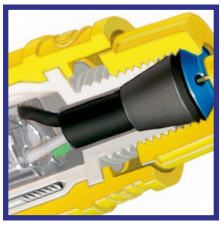
Tough nylon body provides superior resistance in harsh abusive environments. IP55 suitability when closure plug inserted or when installed and used properly with mating watertight plug.





Watertight Plug Housing Design

- Thermoplastic elastomer housing resists weathering caused by ultraviolet rays and ozone better than rubber; also oil and chemical resistant
- Nylon compression nut keeps water and dust from getting into the body around the cord



Watertight Plug Internal Design

- Three separate transparent wiring chambers allow for visual inspection
- Multiple drive "U-Drive" fast lead body assembly screws
- Neoprene bushing keeps water and dust out
- Color coded Kellems GOTCHA® rings provide increased cord retention



Watertight Connector Housing Design

- Closure plug seals connector body when disconnected from plug
- Integral weatherproofing shroud seals connection between plug and connector



Watertight Connector Internal Design

- Pretensioned "bypass" design female contacts for abuse resistance and reliability
- Nylon compression nut keeps water and dust from getting into the body around the cord



Dust Tight Plug Housing Design

- Thermoplastic elastomer housing
- Powerful nylon cord grip prevents strain on terminals



Dust Tight Plug Internal Design

- Multiple drive "U-Drive" fast lead body assembly screws
- Dust and moisture seal keeps out liquids, metal filings and other foreign materials

Dimensions in Inches (mm)

Hospital Grade Devices

IP20 SUITABILITY



15A 125V
NEMA 5-15P
UL CSA



20A 125V
NEMA 5-20P
UL CSA

Fed. Spec.

Hospital Grade ● Plugs

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	HBL8215C	HBL8315C
Black and white, spring termination.	.230"-.720" (5.8-18.3)	HBL8215CST	HBL8315CST
Transparent housing.	.230"-.720" (5.8-18.3)	HBL8215CT	HBL8315CT
Transparent housing, spring termination.	.230"-.720" (5.8-18.3)	HBL8215CTST	HBL8315CTST
8 position angle plug, transparent housing.	.250"-.655" (6.4-16.6)	HBL8215CAT*	HBL8315CAT*

Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	HBL8115V	HBL8364V
Insulation displacement, white nylon.	.300"-.360" (7.6-9.1)	HBL8013V*	—



HBL8215C



HBL8215CTST



HBL8215CAT

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Hospital Grade ● Connector Bodies

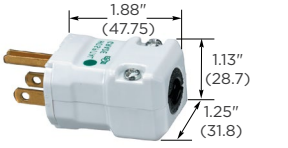
Insulgrip

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	HBL8219C	HBL8319C
Black and white, spring termination.	.230"-.720" (5.8-18.3)	HBL8219CST	HBL8319CST
Transparent housing.	.230"-.720" (5.8-18.3)	HBL8219CT	HBL8319CT
Transparent housing, spring termination.	.230"-.720" (5.8-18.3)	HBL8219CTST	HBL8319CTST

Valise

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	HBL8119V	—

*Note: *Not Fed. Spec. Listed. See page B-54 for accessories.*



HBL8115V



HBL8219C

IP20 SUITABILITY



15A 250V
NEMA 6-15P
UL CSA
1.5 HP



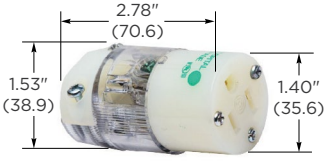
20A 250V
NEMA 6-20P
UL CSA
2 HP

Hospital Grade ● Plugs

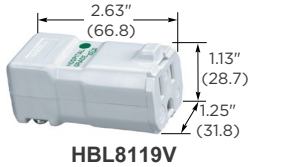
Valise

Description	Cord Diameter	Catalog Number	
Valise plug, white nylon.	.300"-.660" (7.6-16.8)	HBL8666V	HBL8464V

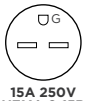
Note: HP ratings listed above are based on 208 to 240V AC only.



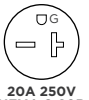
HBL8219CT



HBL8119V



15A 250V
NEMA 6-15R
UL CSA
1.5 HP

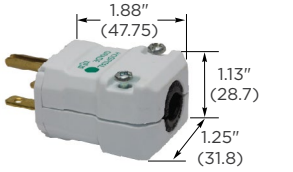


20A 250V
NEMA 6-20R
UL CSA
2 HP

Hospital Grade ● Connector Bodies

Valise

Description	Cord Diameter	Catalog Number	
White nylon.	.300"-.660" (7.6-16.8)	—	HBL8469V



HBL8666V

Dimensions in Inches (mm)

IP20 SUITABILITY



15A 125V
NEMA 5-15P
UL CSA



20A 125V
NEMA 5-20P
UL CSA

Fed. Spec.

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	**HBL5266C**	**HBL5366C**
Black and white, spring termination.	.230"-.720" (5.8-18.3)	**HBL5266CST**	**HBL5366CST**
Blue and white nylon.	.230"-.720" (5.8-18.3)	**HBL5266CBL**	—
Black nylon fully closing cord clamp.	.360"-.720" (9.1-18.3)	**HBL5266EBK**	**HBL5366EBK**
Black, spring termination.	.230"-.720" (5.8-18.3)	**HBL5266CBKST**	**HBL5366CBKST**
Corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM66C**	**HBL53CM66C**
Corrosion resistant yellow nylon, spring termination.	.230"-.720" (5.8-18.3)	**HBL52CM66CST**	**HBL53CM66CST**
8-position angle plug, black and white nylon.	.325"-.655" (8.3-16.6)	**HBL5266CA**	**HBL5366CA**
8-position angle plug, transparent enclosure.	.325"-.655" (8.3-16.6)	**HBL5266CAT**	—
Anchor lock, black and white nylon.	.230"-.720" (5.8-18.3)	—	—
Anchor lock, corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	**HBL52CM80C***	—
Finger grip, black neoprene, combination screws. CSA only.	.310"-.430" (7.9-10.9)	**HBL5921**	—
Fusible, black vinyl housing, slotted screws. CSA only.	.296"-.625" (7.5-15.9)	**HBL5299**	—

Elastogrip®

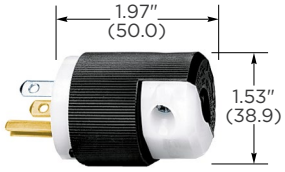
Description	Cord Diameter	Catalog Number	
Yellow elastomer, dust tight. IP20 SUITABILITY.	.300"-.655" (7.6-16.6)	**HBL1447**	**HBL1433**
Yellow elastomer, watertight. IP20 and IP55 SUITABILITY.	.300"-.655" (7.6-16.6)	**HBL14W47****	**HBL14W33****
Yellow elastomer, watertight. IP69K and 6P, IP65, 66, 67 SUITABILITY.	.375"-.625" (9.5-15.9)	**HBL14W47A**	**HBL14W33A**

Valise®

IP20 SUITABILITY

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"-.660" (5.6-16.8)	**HBL5965VY**	**HBL5364VY**
Black nylon.	.220"-.660" (5.6-16.8)	**HBL5965VBLK**	**HBL5364VBK**
Gray nylon.	.220"-.660" (5.6-16.8)	**HBL5965VGY**	—
Orange nylon, sold in bulk pack of 50.	.220"-.660" (5.6-16.8)	**HBL515PVO**	—
Insulation displacement terminals, black nylon.	.230"-.360" (5.8-9.1)	**HBL5966VBLK**	—
Insulation displacement terminals, yellow nylon.	.230"-.360" (5.8-9.1)	**HBL5966VY**	—

*Note: *UL Component Listed only. Not for general use applications.*
***Watertight plugs IP55 suitability when installed and used properly with mating Elastogrip watertight connector bodies. Horsepower ratings listed are AC only.*
See page B-54 for accessories.



HBL5266C

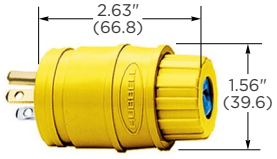

HBL5266CST



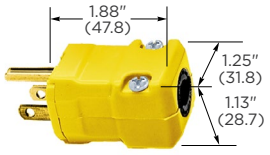
HBL5266CA



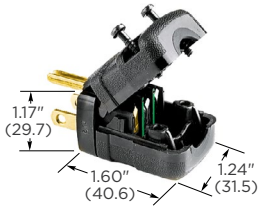
HBL1447



HBL14W47



HBL5965VY



HBL5966VBLK

Dimensions in Inches (mm)

Connector Bodies

IP20 SUITABILITY



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



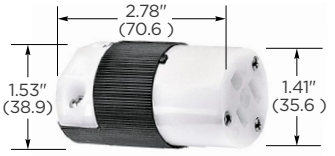
20A 125V
NEMA 5-20R
UL CSA
1 HP

Fed. Spec.

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230"-.720" (5.8-18.3)	HBL5269C	HBL5369C
Black and white, spring termination.	.230"-.720" (5.8-18.3)	HBL5269CST	HBL5369CST
Blue and white nylon.	.230"-.720" (5.8-18.3)	HBL5269CBL	—
Black nylon fully closing cord clamp.	.360"-.720" (9.1-18.3)	HBL5269EBK	HBL5369EBK
All black, spring termination.	.230"-.720" (5.8-18.3)	HBL5269CBKST	HBL5369CBKST
Corrosion resistant yellow nylon.	.230"-.720" (5.8-18.3)	HBL52CM69C	HBL53CM69C

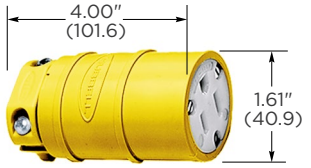
Note: See page B-54 for accessories.



HBL5269C

Elastogrip®

Description	Cord Diameter	Catalog Number	
Yellow elastomer, dust tight. IP20 SUITABILITY.	.300"-.655" (7.6-16.6)	HBL1547	HBL1533
Yellow elastomer, watertight. IP20 and IP55 SUITABILITY.	.300"-.655" (7.6-16.6)	HBL15W47*	HBL15W33*
Yellow elastomer, watertight. IP65, 66, 67 SUITABILITY, IP69K and 6P	.375"-.625" (9.5-15.9)	HBL15W47A	HBL15W33A



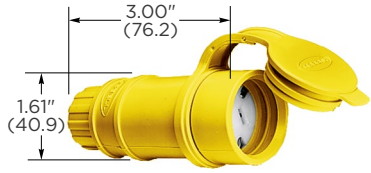
HBL1547

Valise®

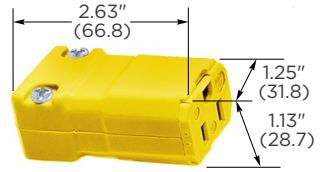
IP20 SUITABILITY

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"-.660" (5.6-16.8)	HBL5969VY	HBL5369VY
Black nylon.	.220"-.660" (5.6-16.8)	HBL5969VBLK	HBL5369VBK
Gray nylon.	.220"-.660" (5.6-16.8)	HBL5969VGY	—
Orange nylon, sold in bulk pack of 50.	.220"-.660" (5.6-16.8)	HBL515CVO	—
Insulation displacement terminals, black nylon.	.230"-.360" (5.8-9.1)	HBL5963VBK	—
Insulation displacement terminals, yellow nylon.	.230"-.360" (5.8-9.1)	HBL5963VY	—

*Note: *Watertight connectors IP55 suitability when closure plug inserted or when installed and used properly with mating Elastogrip watertight plug. Connector bodies are not HP rated. See page B-54 for accessories.*



HBL15W47



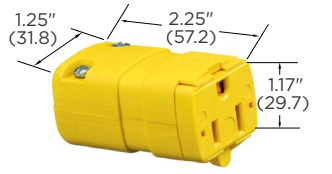
HBL5969VY

For quick visual identification of circuits or configurations.

Colored Cord Clamps**

Description	Color	Catalog Number
For use with 15A and 20A, 2 pole/3 wire, insulgrip plugs and connectors with cord diameter range of .230"-.720" (5.8-18.3) only.	Blue	HBLCORDCLAMPBL
	Green	HBLCORDCLAMPGN
	Orange	HBLCORDCLAMPOR
	Purple	HBLCORDCLAMPP
	Red	HBLCORDCLAMPR
	Yellow	HBLCORDCLAMPY

*Note: **Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*



HBL5963VY



Dimensions in Inches (mm)



15A 125V
NEMA 5-15P
UL CSA



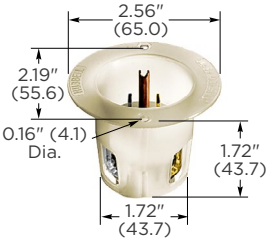
20A 125V
NEMA 5-20P
UL CSA

Flanged Inlets

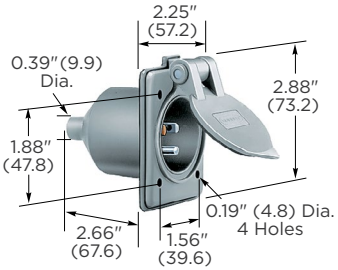
Description	Catalog Number	
Nylon casing, back wired.	HBL5278C	HBL5378C
Weatherproof, gray, with lift cover and multiple drive screws.	HBL61CM64	—
Weatherproof, black, with lift cover and boot, multiple drive screws.	HBL61CM64BK	—
Stainless steel flange, phenolic body, miniature style, for molded on connectors only, multiple drive screws.	HBL5240*	—

*Note: *Specially designed to accept "molded-on" connector bodies. Catalog number HBL5240 will not accept re-wireable size connector bodies listed in this catalog or molded connectors having a "rejection obstruction" as required by Underwriters Laboratories Inc. standard #817 cord sets and power supply cords" effective 7/1/81.*

See pages B-53 and B-54 for accessories.



HBL5278C



HBL61CM64



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

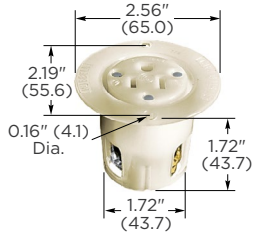


20A 125V
NEMA 5-20R
UL CSA
1 HP

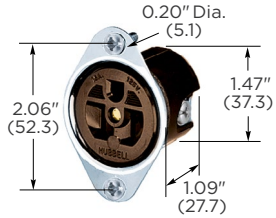
Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	HBL5279C	HBL5379C
Stainless steel flange, phenolic body, covered terminals, multiple drive screws.	HBL5279	—
Stainless steel flange, brown phenolic (mounting screws packed separately).	HBL5256	—
Weatherproof, gray nylon, with lift cover and boot, multiple drive screws.	—	HBL61CM65

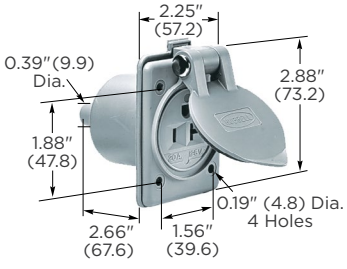
Note: See pages B-53 and B-54 for accessories.



HBL5279C



HBL5256



HBL61CM65

Dimensions in Inches (mm)

Plugs and Connector Bodies and Flanged Receptacles



15A 250V
NEMA 6-15P
UL CSA
1.5 HP

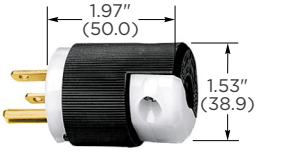


20A 250V
NEMA 6-20P
UL CSA
2 HP

Fed. Spec.

Plugs

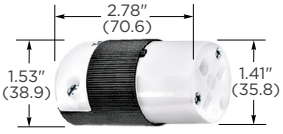
Description	Cord Diameter	Catalog Number	
Insulgrip® Plug, black and white nylon.	.230"-.720" (5.8-18.3)	HBL5666C	HBL5466C
EdgeConnect® Insulgrip plug, black and white, spring termination.	.230"-.720" (5.8-18.3)	HBL5666CST	HBL5466CST
EdgeConnect Insulgrip Plug, corrosion resistant, yellow nylon.	.230"-.720" (5.8-18.3)	HBL56CM66C	HBL54CM66C
Insulgrip plug, corrosion resistant, spring termination, yellow.	.230"-.720" (5.8-18.3)	HBL56CM66CST	HBL54CM66CST
8-Position Insulgrip Angle Plug, black and white nylon.	.325"-.655" (8.3-16.6)	HBL5666CA	HBL5466CA
Valise® Plug, yellow nylon.	.220"-.660" (5.6-16.8)	HBL5666VY	HBL5464VY



HBL5666C



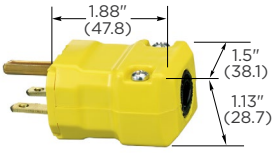
HBL5666CST



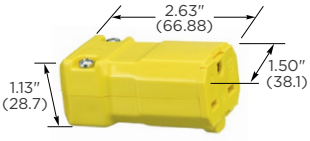
HBL5669C



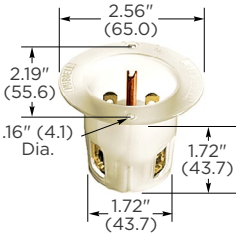
HBL5666CA



HBL5666VY



HBL5669VY



HBL5678C

Connector Bodies



15A 250V
NEMA 6-15R
UL CSA



20A 250V
NEMA 6-20R
UL Listed

Description	Cord Diameter	Catalog Number	
Insulgrip Connector Body, black and white nylon, multiple drive screws.	.230"-.720" (5.8-18.3)	HBL5669C	HBL5469C
EdgeConnect Insulgrip Connector Body, Black and White, Spring Termination.	.230"-.720" (5.8-18.3)	HBL5669CST	HBL5469CST
Valise Connector Body, yellow nylon.	.220"-.660" (5.6-16.8)	HBL5669VY	HBL5469VY

Note: See page B-54 for accessories.

Insulgrip Flanged Inlets



15A 250V
NEMA 6-15P
UL CSA



20A 250V
NEMA 6-20P
UL CSA
2 HP

Description	Catalog Number	
Nylon casing, back wired.	HBL5678C	HBL5478C

Note: Flanged inlets are not HP rated. See page B-53 and B-54 for accessories.

Flanged Receptacles



15A 250V
NEMA 6-15R
UL CSA



20A 250V
NEMA 6-20R
UL Listed

Description	Catalog Number	
Nylon casing, multiple drive screws.	HBL5679C	HBL5479C
Stainless steel flange, brown phenolic housing (mounting screws packaged separately).	HBL5656	—

Note: Connector bodies are not HP rated. See pages B-53 and B-54 for accessories.

For quick visual identification of circuits or configurations.
Colored Cord Clamps*

Description	Color	Catalog Number
For use with 15A and 20A, 2 pole/3 wire, Insulgrip plugs and connectors with cord diameter range of .230"-.720" (5.8-18.3) only.	Blue	HBLCORDCLAMPBL
	Green	HBLCORDCLAMPGN
	Orange	HBLCORDCLAMPOR
	Purple	HBLCORDCLAMPP
	Red	HBLCORDCLAMPR
	Yellow	HBLCORDCLAMPY

*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*



Dimensions in Inches (mm)

15A, 125V, 2 Pole, 2 Wire Non-Grounding, Valise® Plugs

IP20 SUITABILITY

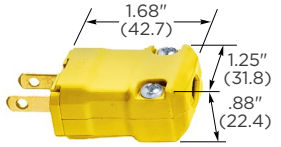


15A 125V
NEMA 1-15R
UL CSA
0.5 HP



15A 125V
NEMA 1-15P
UL CSA
0.5 HP

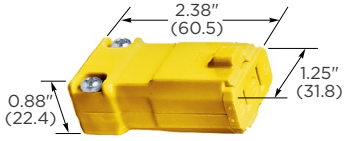
Description	Cord Diameter	Catalog Number	
Yellow nylon, non-polarized.	.218"-.385" (5.5-9.8)	—	HBL5865VY
Yellow nylon, polarized.	.218"-.385" (5.5-9.8)	—	HBL5866VY
Black nylon, polarized.	Type 17/2 "SVT" cord	—	HBL5867VBLK



HBL5865VY

Valise® Connector Bodies

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.218"-.385" (5.5-9.8)	HBL5869VY	—



HBL5869VY

15A, 277V AC, 2 Pole, 3 Wire Grounding, Plugs

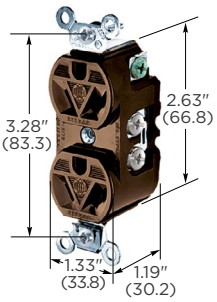


15A 277V AC
NEMA 7-15R
UL CSA
2 HP



15A 277V AC
NEMA 7-15P
2 HP

Description	Cord Diameter	Catalog Number	
Finger grip, black elastomer.	.31"-.43" (7.9-10.9)	—	HBL5929*

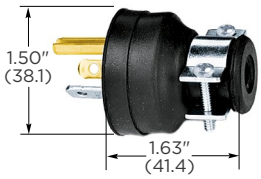


HBL5302

Receptacles and Connector Bodies

Description	Cord Diameter	Catalog Number	
Receptacle, flush duplex, brown, back and side wired.	-	HBL5302	—
Connector Body, phenolic and steel body.	.296"-.625" (7.5-15.9)	HBL5324	—

*Note: *Not UL Listed.*
Horsepower ratings are AC only.
See pages B-53 and B-54 for accessories.



HBL5929

20A, 250V, 2 Pole, 2 Wire Non-Grounding, Valise Plugs

IP20 SUITABILITY


20A 250V
NEMA 2-20R
UL Listed
2 HP

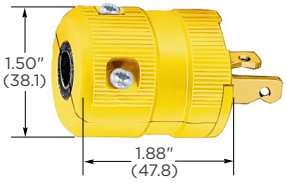

20A 250V
NEMA 2-20P
UL Listed
2 HP

Description	Cord Diameter	Catalog Number	
Yellow nylon.	.220"-.660" (5.6-16.8)	—	HBL9758VY

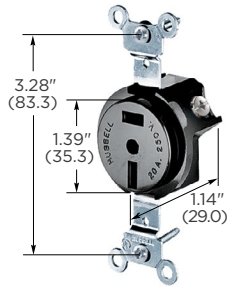
Receptacle, Single

Description	Catalog Number	
Black phenolic.	HBL5552B	—

Note: Horsepower ratings are AC only and apply to plugs and receptacles only.
See pages B-53 and B-54 for accessories.



HBL9758VY

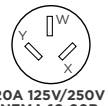


HBL5552B

Dimensions in Inches (mm)

20A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY



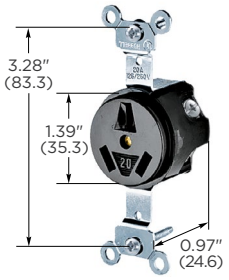
20A 125V/250V NEMA 10-20R
UL Listed
2(1) HP



20A 125V/250V NEMA 10-20P
UL Listed
2(1) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black phenolic.	–	**HBL6810**	—
Plug, Insulgrip®, nylon.	.385"-.780" (9.8-19.8)	—	**HBL9977C**

Note: Horsepower ratings listed above are AC only.
Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).
Those in parentheses are phase to neutral (120V AC).
See pages B-53 and B-54 for accessories.



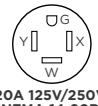
HBL6810



HBL9977C

20A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



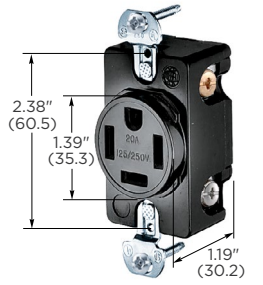
20A 125V/250V NEMA 14-20R
UL CSA
2(1) HP



20A 125V/250V NEMA 14-20P
UL CSA
2(1) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body, back and side wired.	–	**HBL8410**	—
Plug, nylon, angle 4-position.	.390"-.775" (9.9-19.7)	—	**HBL8411C**

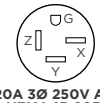
Note: See pages B-53 and B-54 for accessories.



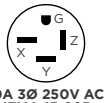
HBL8410

20A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



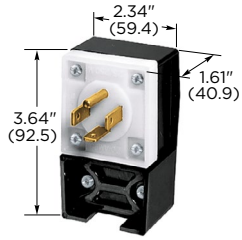
20A 3Ø 250V AC NEMA 15-20R
UL CSA
3 HP



20A 3Ø 250V AC NEMA 15-20P
UL CSA
3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body, back and side wired.	–	**HBL8420**	—
Plug, nylon, angle 4-position.	.390"-.775" (9.9-19.7)	—	**HBL8421C**

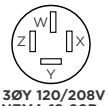
Note: Horsepower ratings listed above are AC only.
Horsepower ratings not in parentheses are phase to phase (208 to 240V AC).
Horsepower ratings in parentheses are phase to neutral (120V AC).
See pages B-53 and B-54 for accessories.



HBL8411C

20A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY



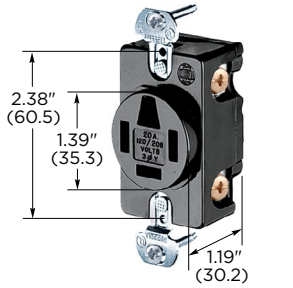
20A 3ØY 120/208V AC NEMA 18-20R
UL Listed
2 HP



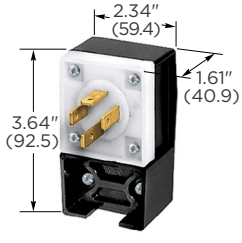
20A 3ØY 120/208V AC NEMA 18-20P
UL Listed
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black nylon body.	–	**HBL7250**	—
Plug, nylon, angle, 4-position.	.390"-.775" (9.9-19.7)	—	**HBL7251C**

Note: Horsepower ratings are phase to phase (208 to 240V AC).
Weatherproof boots for plugs not available.
See pages B-53 and B-54 for accessories.



HBL7250



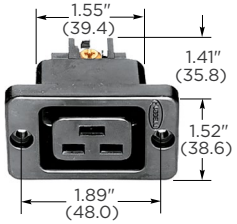
HBL7251C

Dimensions in Inches (mm)

Receptacle

Description	Catalog Number
20/16A 250V AC IEC straight blade.	H320R
For Ring Terminal connection.	H320RRT*

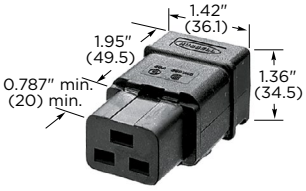
*Note: *Not UL Listed.*



H320R

Connector

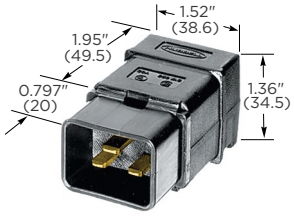
Description	Catalog Number
20/16A 250V AC IEC straight blade.	H320C



H320C

Plug

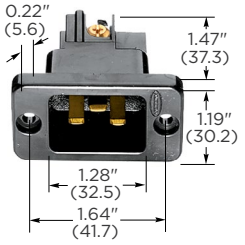
Description	Catalog Number
20/16A 250V AC IEC straight blade.	H320P



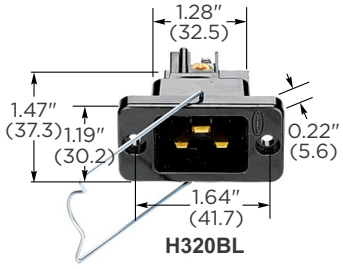
H320P

Inlets

Description	Catalog Number
20/16A 250V AC IEC straight blade.	H320B
20/16A 250V AC IEC straight blade with retention clamp.	H320BL



H320B



H320BL

Dimensions in Inches (mm)

Acceptor® Hazardous Location Receptacles



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Catalog Number	
Explosion and dust ignition proof. Class I, Div. 1 & 2, Groups C, D Class II, Div. 1 & 2, Groups F, G Class III NEMA® 3, 7 B C D, 9 F G	— —	**UGRO20231** **UGRA20231***

*Note: *UGRA version includes an adapter plate for mounting to Crouse-Hinds® EDS series and Appleton® EFD series back boxes. UL Listed for Class 1, Div. 2, Groups B, C, D.*



UGRO20231

Acceptor Hazardous Location Plugs

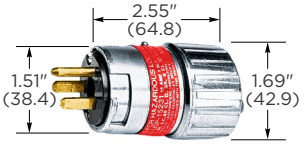


15A 125V
NEMA 5-15P
UL CSA



20A 125V
NEMA 5-20P
UL CSA

Description	Catalog Number	
Explosion and dust ignition proof. Class I, Div. 1 & 2, Groups B, C, D Class II, Div. 1 & 2, Groups E, F, G Class III NEMA® 3, 7 B C D, 9 F G	**UGP15231**	**UGP20231**

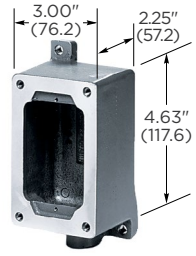


UGP15231

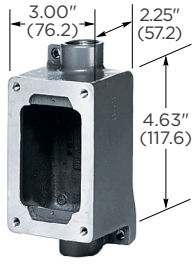
SWB Series Boxes

Hub Size	1-Gang Dead End	1-Gang Feed Thru
1/2 in. NPT 3/4 in. NPT Class I, Div. 1 & 2, Groups C, D Class II, Div. 1 & 2, Groups E, F, G Class III NEMA® 7 C D, 9 E F G	**SWB1** **SWB2**	**SWB4** **SWB5**

Note: SWB series boxes will only accommodate Acceptor Series receptacles, not standard weatherproof covers.



SWB1



SWB5

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Dimensions in Inches (mm)

30A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



30A 125V
NEMA 5-30R
UL CSA
2 HP



30A 125V
NEMA 5-30P
UL CSA
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	HBL9308	—
Receptacle, orange, isolated ground[Δ].	–	IG9308	—
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	—	HBL9309*

30A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs



30A 125V
NEMA TT-30R
UL Listed
2 HP



30A 125
NEMA TT-30P
UL Listed
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP. Travel Trailer use only.	–	HBLTT30R	—
Plug, nylon, angle. Travel Trailer use only.	.625"-1.187" (15.9-30.1)	—	HBLTT30P

30A, 250V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



30A 250V
NEMA 6-30R
UL CSA
2 HP



30A 250V
NEMA 6-30P
UL CSA
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	HBL9330	—
Receptacle, orange, isolated ground[Δ].	–	IG9330	—
Plug, nylon, angle, 4-position	.625"-1.187" (15.9-30.1)	—	HBL9331*

30A, 277V AC, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



30A 277V AC
NEMA 7-30R
UL CSA
3 HP



30A 277V AC
NEMA 7-30P
UL CSA
3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP.	–	HBL9315	—
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	—	HBL9319*

30A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY



30A 125/250V
NEMA 10-30R
UL Listed
2(2) HP

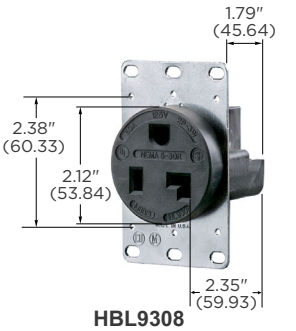


30A 125/250V
NEMA 10-30P
UL Listed
2(2) HP

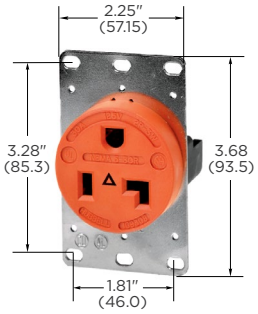
Description	Cord Diameter	Catalog Number	
Receptacle, black phenolic.	–	HBL9350	—
Receptacle, surface mount aluminum housing.	–	HBL9395	—
Plug, Insulgrip®, nylon.	.625"-1.00" (15.9-25.4)	—	HBL9337C
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.1)	—	HBL9333

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
[Δ]See section O for additional information on isolated ground devices..
**Not Fed. Spec. Listed.*
See page B-55 for accessories.

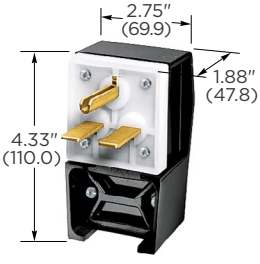
Fed. Spec.



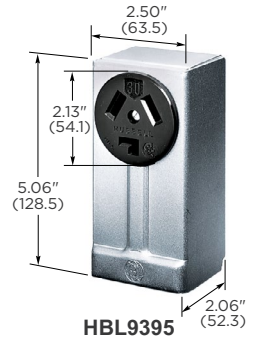
HBL9308



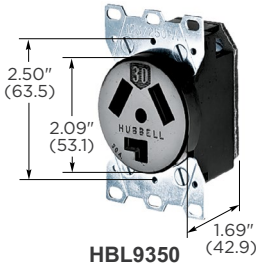
IG9308



HBL9331



HBL9395

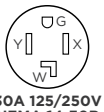


HBL9350

Dimensions in Inches (mm)

30A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



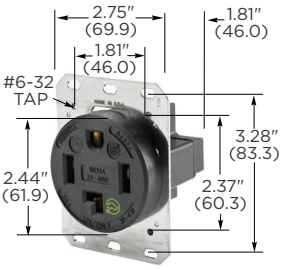
30A 125/250V NEMA 14-30R
2(2) HP



30A 125/250V NEMA 14-30P
2(2) HP

Fed. Spec.

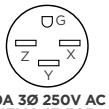
Description	Cord Diameter	Catalog Number	
EV Grade receptacle, weather resistant, black RTP.	–	**HBL9430A**	—
EV Grade plug, black and white nylon.	.625"-1.310" (15.9-33.3)	—	**HBL9431C**
EV Grade angle plug, 4-position, black and white nylon.	.625"-1.310" (15.9-33.3)	—	**HBL9432C**



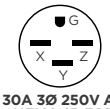
HBL9430A

30A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

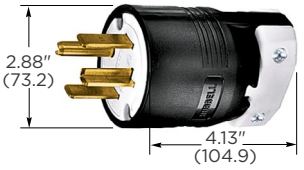


30A 3Ø 250V AC NEMA 15-30R
3 HP

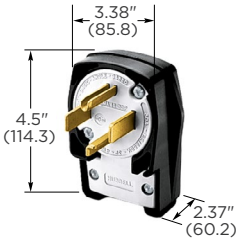


30A 3Ø 250V AC NEMA 15-30P
3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP weather resistant.	–	**HBL8430A**	—
Plug, nylon.	.625"-1.310" (15.9-33.3)	—	**HBL8431C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	—	**HBL8432C**



HBL9431C



HBL9432C

30A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY



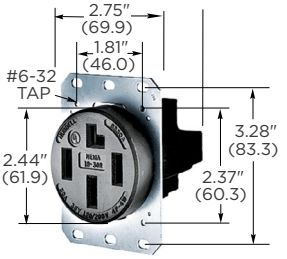
30A 3ØY 120/208V AC NEMA 18-30R
UL Listed
3 HP



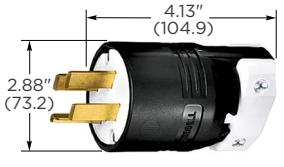
30A 3ØY 120/208V AC NEMA 18-30P
UL Listed
3 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP weather resistant.	–	**HBL8330A**	—
Plug, nylon.	.625"-1.310" (15.9-33.3)	—	**HBL8331C**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See pages B-55 and B-56 for accessories.



HBL8330A



HBL8331C

Dimensions in Inches (mm)

50A, 125V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



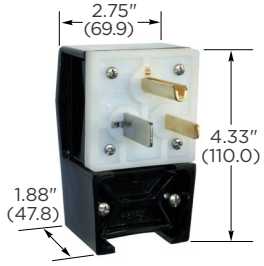
50A 125V NEMA 5-50R
UL CSA
2 HP



50A 125V NEMA 5-50P
UL CSA
2 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP weather resistant.	–	**HBL9360**	—
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	—	**HBL9361**

Fed. Spec.



HBL9361

50A, 250V, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

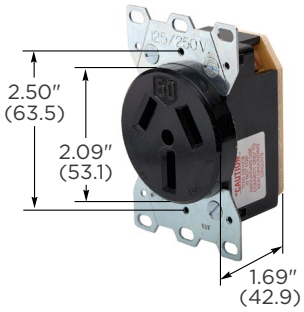


50A 250V NEMA 6-50R
UL CSA
3 HP



50A 250V NEMA 6-50P
UL CSA
3 HP

Description	Cord Diameter	Catalog Number	
EV Grade receptacle, weather resistant, black RTP.	–	**HBL9367**	—
EV Grade angle plug, 4-position, black and white nylon.	.625"-1.187" (15.9-30.2)	—	**HBL9368**



HBL7962

50A, 277V AC, 2 Pole, 3 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY

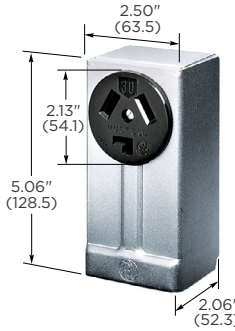


50A 277V AC NEMA 7-50R
UL CSA
5 HP



50A 277V AC NEMA 7-50P
UL CSA
5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP weather resistant.	–	**HBL9365**	—
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	—	**HBL9379**



Representative of surface mount receptacle

50A, 125/250V, 3 Pole, 3 Wire Non-Grounding, Receptacles, Connector Body and Plugs

IP20 SUITABILITY



50A 125/250V NEMA 10-50R
UL Listed
3(2) HP



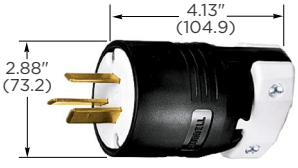
50A 125/250V NEMA 10-50P
UL Listed
3(2) HP

Description	Cord Diameter	Catalog Number	
Receptacle, black phenolic.	–	**HBL7962**	—
Receptacle, surface mount aluminum housing.	–	**HBL7940**	—
Connector body, Insulgrip®, nylon.	.625"-1.218" (15.9-30.9)	**HBL7515C**	—
Plug, Insulgrip, nylon.	.625"-1.218" (15.9-30.9)	—	**HBL7513C**
Plug, nylon, angle, 4-position.	.625"-1.187" (15.9-30.2)	—	**HBL7977**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See pages B-55 and B-56 for accessories.



HBL7515C

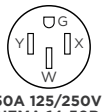


HBL7513C

Dimensions in Inches (mm)

50A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



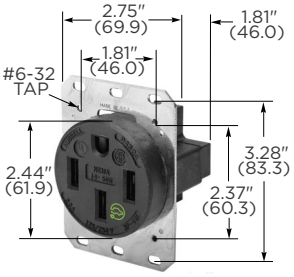
50A 125/250V NEMA 14-50R
UL CSA
3(2) HP



50A 125/250V NEMA 14-50P
UL CSA
3(2) HP

Fed. Spec.

Description	Cord Diameter	Catalog Number	
EV Grade receptacle, weather resistant, black RTP.	-	**HBL9450A**	—
EV Grade plug, black and white nylon.	.625"-1.310" (15.9-33.3)	—	**HBL9451C**
EV Grade angle plug, 4-position, black and white nylon.	.625"-1.310" (15.9-33.3)	—	**HBL9452C**



HBL9450A

50A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs

IP20 SUITABILITY



50A 3Ø 250V AC NEMA 15-50R
UL CSA
7.5 HP



50A 3Ø 250V AC NEMA 15-50P
UL CSA
7.5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP weather resistant.	-	**HBL8450A**	—
Plug, nylon.	.625"-1.310" (15.9-33.3)	—	**HBL8451C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	—	**HBL8452C**



HBL9451C

50A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs

IP20 SUITABILITY



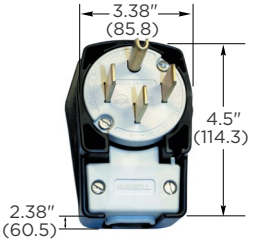
50A 3ØY 120/208V AC NEMA 18-50R
UL Listed
7.5 HP



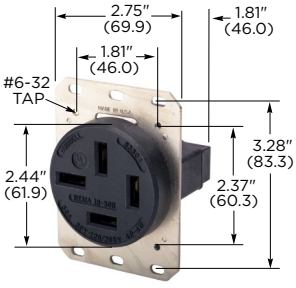
50A 3ØY 120/208V AC NEMA 18-50P
UL Listed
7.5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP weather resistant.	-	**HBL8350A**	—
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	—	**HBL8352C**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See page B-55 and B-56 for accessories.



HBL9452C



HBL8350A

Dimensions in Inches (mm)

60A, 125/250V, 3 Pole, 4 Wire Grounding, Receptacles and Plugs



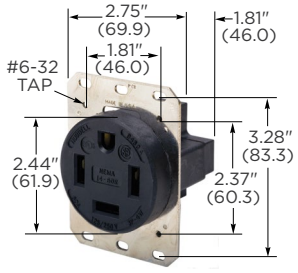
60A 125/250V NEMA 14-60R
UL CSA
3(2) HP



60A 125/250V NEMA 14-60P
UL CSA
3(2) HP

Fed. Spec.

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP weather resistant.	–	**HBL9460A**	—
Plug, nylon.	.625"-1.310" (15.9-33.3)	—	**HBL9461C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	—	**HBL9462C**



HBL9460A

60A, 3Ø 250V AC, 3 Pole, 4 Wire Grounding, Receptacles and Plugs



60A 3Ø 250V AC NEMA 15-60R
UL CSA
10 HP

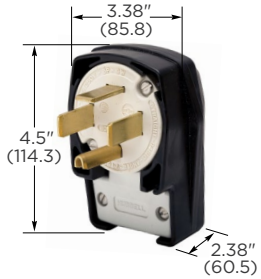


60A 3Ø 250V AC NEMA 15-60P
UL CSA
10 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP weather resistant.	–	**HBL8460A**	—
Plug, nylon.	.625"-1.310" (15.9-33.3)	—	**HBL8461C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	—	**HBL8462C**



HBL9461C



HBL9462C

60A, 3ØY 120/208V AC, 4 Pole, 4 Wire Non-Grounding, Receptacles and Plugs



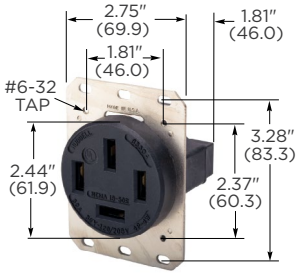
60A 3ØY 120/208V AC NEMA 18-60R
UL Listed
7.5 HP



60A 3ØY 120/208V AC NEMA 18-60P
UL Listed
7.5 HP

Description	Cord Diameter	Catalog Number	
Receptacle, black RTP weather resistant.	–	**HBL7301A**	—
Plug, nylon.	.625"-1.310" (15.9-33.3)	—	**HBL7303C**
Plug, nylon, angle, 4-position.	.625"-1.310" (15.9-33.3)	—	**HBL7302C**

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See page B-56 for accessories.



HBL7301A

Dimensions in Inches (mm)

2 Pole, 3 Wire Grounding



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

Miscellaneous Receptacles

Description	Catalog Number
Receptacle, display type, brown phenolic with .060 in. brass plate and blank flush plug.	HBL5236
Replacement receptacle for HBL5236.	HBL5236M2
Replacement threaded plug for HBL5236.	HBL5236PLUG*
Receptacle, wooden floors, brown phenolic with .060 in. brass plate, blank flush plug and box.	HBL6236
Receptacle, clock hanger, white with stainless steel plate.	HBL5235

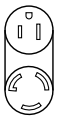
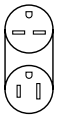
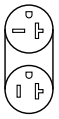
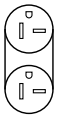


HBL5236

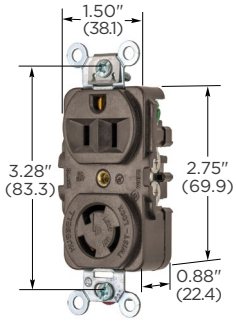


HBL5235

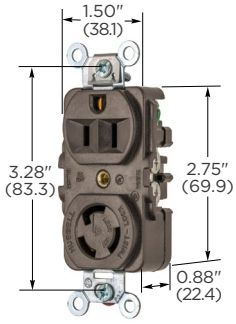
Special Combination Duplex Receptacles

Description			Catalog Number
15A, 125V		Brown RTP, 1 feed, 1 return, back/side wired.	HBL4792
		Brown RTP, 2 feeds, 1 return, side wired.	HBL4794
15A, 125V		Brown RTP, 2 feeds, 2 returns, side wired.	HBL4795
15A, 250V		Brown nylon face, 2 circuit, back and side wired.	HBL5292
15A, 125V		Ivory nylon face, 2 circuit, back and side wired.	HBL5292I
20A, 250V		Brown nylon face, 2 circuit, back and side wired.	HBL5492
20A, 125V		Ivory nylon face, 2 circuit, back and side wired.	HBL5492I
15A, 125V 10A, 250V 15A, 125V		Brown RTP, 2 feeds, 1 return, common ground.	HBL7371
20A, 125V		Brown nylon, side and back wired.	HBL5392
20A, 125V		*Note: This device will only accept 20A grounding plugs.*	

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
**Not UL Listed or CSA certified.*
See page B-53 for accessories.



HBL4792



HBL5292

Dimensions in Inches (mm)

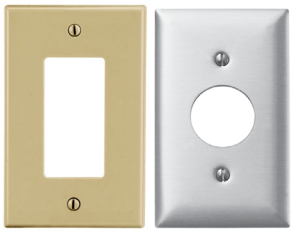
For 15 and 20 Ampere, 125 and 250 Volts and 277 Volts AC Devices

Wallplates, 1-Gang

Description	Color	Duplex Receptacle	Style Line® Receptacle	Single Receptacle Plate 1.40 in. (35.6) Dia.
Thermoplastic, smooth.	Black Brown Gray Ivory Light Almond Orange Red White	**P8BK** **P8** **P8GY** **P8I** **P8LA** **P8OR** **P8R** **P8W**	**P26BK** **P26** **P26GY** **P26I** **P26LA** — **P26R** **P26W**	**P7BK** **P7** **P7GY** **P7I** **P7LA** — **P7R** **P7W**
Stainless steel 302/304, .035 in. (0.9) horizontal brushed finish.		**SS8**	**SS26**	**SS7**
Brass .04 in. (1.0), horizontal brushed finish.		**SB8**	**SB26**	**SB7**
Aluminum .05 in. (1.3), horizontal brushed finish.		**SA8**	—	**SA7**



P8



P26I **SS7**

Weatherproof Covers

Description	Duplex Receptacle	Single Receptacle Plate 1.40 in. (35.6) Dia.
RTP, gray, for FS/FD box mounting.	**HBL5221**	**HBL7423WO**
RTP, yellow, for FS/FD box mounting.	**HBL52CM21**	**HBL74CM23WO**
RTP, gray, for device mounting.	**HBL5222**	—
RTP, yellow, for device mounting.	**HBL52CM22**	—
Cast aluminum for FS/FD box mounting.	**HBL5206WO**	**HBL7420**
Cast aluminum for device mounting.	**HBL5205WO**	—

Note: All weatherproof plates are UL Listed for Wet Locations.
Those with suffix WO are listed for use with cover open, all others with cover closed.
RTP is an abbreviation for reinforced thermoplastic polyester.
See section P for additional information on cover plates.



HBL52CM22



HBL5206WO



HBL7423WO

Dimensions in Inches (mm)

For 15 and 20 Ampere, 125 and 250 Volts and 277 Volts AC Devices

Weatherproof Covers
For Nylon Flanged Inlets and Flanged Receptacles

IP44 SUITABILITY

Description	Catalog Number
RTP, gray, for FS/FD box mounting.	WP1

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
See page P-21 for additional information on weatherproof covers.


WP1

IP55* SUITABILITY

Weatherproof Boots

Description	Catalog Number
Seal-Tite® triple seal, black elastomer cover for Insulgrip® plugs (HBL5266C style), when used in a cord set, and connector bodies (HBL5269C style), when used with flanged inlets.	HBL6017
Same as above except yellow.	HBL60CM17
Seal-Tite® triple seal black elastomer cover for Insulgrip® connector bodies when used in a cord set.	HBL6018
Same as above except yellow.	HBL60CM18
Closure plug, black.	HBL6019
Closure plug, yellow.	HBL60CM19

*Note: *IP55 when installed and used properly with mating components.*
Boots are not UL Listed or CSA Certified.


HBL6017

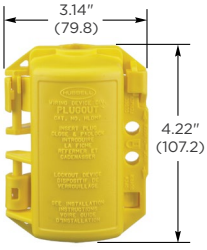

HBL6018


HBL60CM19
Shown with HBL6018

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout devices for 15 and 20A straight blade plugs, yellow.	HLDMP
Electrical plug lockout device for 20 and 30A Hubbell plugs and others, yellow.	HLD
Yellow lockout kit, one each of HLDMP, HLD, HLD2, and HSLDPK2.	HLDKIT
Red keyed PLUGOUT, keyed differently, for 15 and 20A, 125V straight blade plugs with holes in blades.	HKLDR

See section L for additional information on lockout devices.



HLDMP

Inserts

Description	Catalog Number
Replacement cord grip inserts for Valise® device, (bag of 40).	HBLVCGBK

Receptacle Circuit Tester

Description	Catalog Number
Receptacle circuit tester.	HBL5200



HLD


HBL5200

Dimensions in Inches (mm)

For 3 Wire 30 and 50 Ampere, 125 and 250 Volts and 277 Volts AC

Wallplates

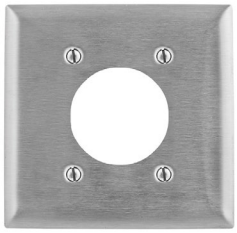
Description	Color	Single Receptacle Plate 2.16 in. (54.9) Dia.
Thermoplastic, smooth, 1-gang.	Black	P724BK
Thermoplastic, smooth, 2-gang.	Black	P703BK
Aluminum, .05 in. (1.3), 1-gang, smooth horizontal brushed finish.		SA723
Stainless steel 302/304, .035 in. (0.9), 1-gang, smooth horizontal brushed finish.		SS723
Stainless steel 302/304, .035 in. (0.9), 2-gang, smooth horizontal brushed finish.		SS703



P724BK



SS723



SS703

Weatherproof Lift Covers

IP44 SUITABILITY

Description	Catalog Number
Cast aluminum for FS/FD box mounting for 30A.	HBL9420
Cast aluminum for FS/FD box mounting for 50A.	HBL9425



HBL9420

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout device for 30, 50 and 60A devices, yellow.	HLD2
Yellow lockout kit, one each of HLDMP, HLD, HLD2, and HSLDPK2.	HLDKIT



HLD2

Dimensions in Inches (mm)

For 4 Wire 30, 50 and 60 Ampere, 125/250 Volts, 3Ø 250 and 3ØY 120/208 Volts AC

Wallplates, 2-Gang

Description	Single Receptacle Plate 2.48 in. (63.0) Dia.
Brass .04 in. (1.0), brushed, smooth.	SB701
Stainless steel 302/304, .035 in. (0.9), smooth horizontal brushed finish.	SS701



SS701

Weatherproof Lift Covers

IP44 SUITABILITY

Description	Catalog Number
RTP, gray, lift cover plate. Will fit FS/FD boxes having plate mounting hole 3.25 in. x 3.75 in. (82.5 x 95.2), centers. Only for use with receptacles on pages B-48 to B-51 with "A" suffix.	HBL7777A
Same as above except yellow.	HBL77CM77A

Note: RTP is an abbreviation for reinforced thermoplastic polyester.



HBL7777A

PLUGOUT® Device

Description	Catalog Number
Electrical plug lockout device for 30, 50 and 60A devices, yellow.	HLD2
Yellow lockout kit, one each of HLDMP, HLD, HLD2, and HSLDPK2.	HLDKIT



HLD2

Dimensions in Inches (mm)

HBL® Extra Heavy Duty Max, Straight Blade Hospital Grade Duplex Receptacles



HBL8200GY

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. **HBL8200** Manufacturer's Identification – Hubbell **HBL8200** Description – Hospital Grade, Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V Certification: UL Listed to UL 498 File E2186, Fed. Spec. WC596, Hospital Grade, NEMA® WD-6 Compliant Certified to CSA, C22.2, No. 42 File 285	Receptacle Top Base By-Pass Power Contacts Clamping Plate Mounting Strap Line Terminal Screws Hex Head Grounding Screw Center Assembly Rivet Automatic Self-Grounding Clip Flat Head Mounting Screws	15A Nylon RTP* .037 in. (.9) Brass – Nickel Finish .031 in. (.8) Brass – Nickel Finish .050 in. (1.3) Brass – Nickel Finish #10-32 Silicone Bronze, Multiple Drive #10-32 (Green) Silicon Bronze, Multiple Drive Silicon Bronze Stainless Steel Stainless Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-0 and UL 94-5 VA.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*

NEMA® is a registered trademark of the National Electrical Manufacturers Association.

Dimensions in Inches (mm)

HBL® Extra Heavy Duty Max, Straight Blade Specification Grade Duplex Receptacles



HBL5262

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. **HBL5262** Manufacturer's Identification – Hubbell **HBL5262** Description – Heavy Duty Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V Certification: UL Listed to UL498 File E2186, Guide RTRT Fed. Spec. WC596, Meets NEMA® WD-6 Compliant Certified to CSA, C22.2, No. 42 File 285	Receptacle Top Base By-Pass Power Contacts Wire Clamps Mounting Strap Line Terminal Screws Ground Screw Center Assembly Rivet Automatic Self-Grounding Clip Flat Head Mounting Screws Ground Tension Clips	15A Nylon RTP* .037 in. (.9) Brass .031 in. (.8) Brass .050 in. (1.3) Brass #10-32 Brass, Multiple Drive #10-32 Brass, Multiple Drive (Green) Brass Stainless Steel Steel-Zinc Plated Steel-Nickel Finish

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	Top: UL 94V-2. Base: UL 94V-0 and UL 94-5 VA.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*

NEMA is a registered trademark of the National Electrical Manufacturers Association.

Dimensions in Inches (mm)

HBL® Compact Extra Heavy Duty Max, Straight Blade Specification Grade Receptacles



HBL5252

Specifications

Receptacles	Part	Description
ypical Specification – Catalog No. **HBL5252** Manufacturer's Identification – Hubbell **HBL5252** Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V Certification – UL Listed to UL 498 File E2186, Fed. Spec. WC596, Certified to CSA 22.2, No. 42 File 285	Receptacle Top Base Triple Wipe Power Contacts Wire Clamps Mounting Strap Line Terminal Screws Ground Screw Center Assembly Rivet Automatic Self-Grounding Clip Flat Head Mounting Screws	15A Nylon RTP* .032 in. (.8) Brass .062 in. (1.8) Steel .050 in. (1.3) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive (Green) Brass Stainless Steel Steel-Zinc Plated

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*
Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Dimensions in Inches (mm)

HBL® Compact Heavy Duty Style Line®, Specification Grade and Hospital Grade Straight Blade Duplex Receptacles



HBL2152



HBL2172

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. **HBL2152** Manufacturer's Identification – Hubbell **HBL2152** Receptacle Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire Grounding Rating – 15A, 125V Certification – UL File No. E2186 Certified to CSA File No. 285	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact Line Terminal Screws Ground Screw Automatic Self-Grounding Staple Mounting Screws	15A Nylon RTP* .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .050 in. (1.3) Galvanized Steel .031 in. (.8) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive Stainless Steel Zinc Plated Steel
Receptacles	**Part**	**Description**
Typical Specification – Catalog No. **HBL2172** Manufacturer's Identification – Hubbell HBL2182 Receptacle Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire Grounding Rating – 15A, 125V Certification – UL Listed to UL498 File E2186, Fed. Spec. WC596, Certified to CSA File No. 285	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact Line Terminal Screws Ground Screw Automatic Self-Grounding Staple Mounting Screws	15A Nylon RTP* .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .050 in. (1.3) Galvanized Steel .031 in. (.8) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive Stainless Steel Zinc Plated Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*
Please consult the factory for product dimensions and specifications of other products listed in this catalog.

Dimensions in Inches (mm)

SNAPConnect® Straight Blade Duplex Receptacles Specification Grade and Hospital Grade



SNAP8200WA



SNAP2182A



SNAP5362IA

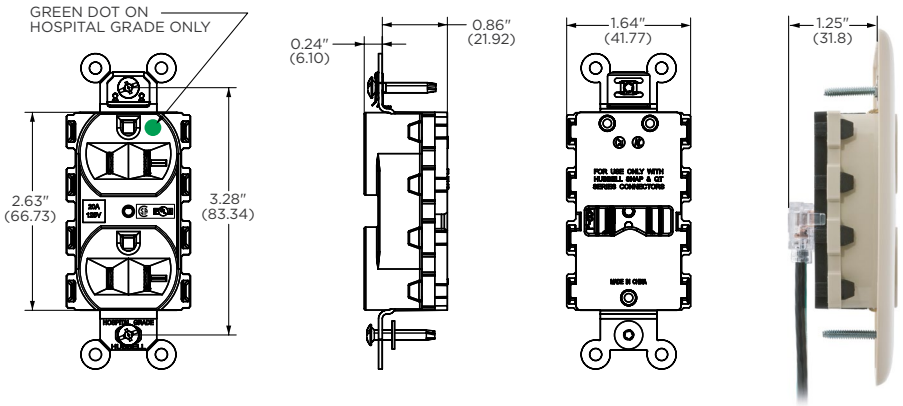
Specifications

Receptacles			Part	Description
Typical Specification – Catalog No. SNAP8200			Receptacle	15A
Manufacturer's Identification – Hubbell SNAP8200			Top	Nylon
Description – Straight Blade Duplex Receptacle			Base	Nylon
Type – 2 Pole, 3 Wire, Grounding			Triple Wipe Power Contacts	Brass
Rating – 15A, 125V			Mounting Strap	Galvanized Steel; Brass (HG)
Certification – UL Listed to UL 498			Automatic Self-Grounding Clip	Stainless Steel
Fed. Spec. WC596, Certified to CSA 22.2, No. 42			Flat Head Mounting Screws	Steel-Zinc Plated/Self Tapping
Connector	**Contact**	**Connector Body**	**Wire**	
SNAP1RNA	Brass	Clear Polycarbonate	6" Solid copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min).	
SNAP2RNA	Brass	Clear Polycarbonate	6" Stranded copper #12 AWG THHN/THWN-2 600V, T90 Nylon FT-1, PVC 90°C (min).	

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V as rated.
Current Interrupting	Receptacle certified for current interrupting at full rated current with equivalently rated NEMA® plug.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated DC current.
Mechanical	
Terminal Wire Leads Identification	Terminal wire leads identified in accordance with UL 498 (Black, White, Green).
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (without impact).

Dimensions



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Dimensions in Inches (mm)

Hubbell-PRO Heavy Duty, Straight Blade Hospital Grade Duplex Receptacles


8200REDLTRA


2182IVLTRA

Specifications

Receptacles	Part	Description
Typical Specification - Catalog No. **8200**	Receptacle	15A
Manufacturer's Identification - Hubbell-PRO **8200**	Top	Polycarbonate
Description - Straight Blade Hospital Grade Duplex Receptacle	Base	RTP*
Type - 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.032 not .0295
Rating - 15A, 125V	Clamping Plate	Plated Steel
Certification - UL Listed to UL 498, Fed. Spec. WC596	Mounting Strap	.050 in. Galvanized Steel
Hospital Grade, NEMA® WD-6 Compliant	Terminal Screws	Plated Steel
Certified to CSA	Hex Head Grounding Screw	Plated Steel
	Automatic Self-Grounding Staple	Stainless Steel
	Mounting Screws	Zinc Plated Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*

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Dimensions in Inches (mm)

USB-C Power Delivery Charger Tamper-Resistant, Straight Blade Hospital Grade and Specification Grade Duplex Receptacles



USB8300CPDW



USB15ACPDW

Specifications

USB-C Power Delivery Charger Receptacle	Part	Description
Typical Specification - Catalog No. **USB8300ACPD**	Charger Receptacle	Electrical 20 Amp 125V AC
Manufacturer's Identification - Hubbell **USB8300ACPD**		USB 5.0 Amp 5V DC
Available Type USB-C Power Delivery Charger	Ports	Type A&C or C
	LED	Power Indication (White)/USB Charging (Blue)
Receptacle	Top	Nylon
Description - Hospital Grade, Straight Blade Duplex Receptacle	Base	Nylon
Type - 2 Pole, 3 Wire, Grounding	Triple Wipe Power Contacts	.030 in. Cooper Alloy
Rating - 15 or 20 Amp, 125V AC, USB 5 Amp, 5V DC	Clamping Plate	Plated Steel
	Mounting Strap	.040 in. Galvanized Steel
Certification – cULus Listed to UL498 and UL1310	Terminal Screws	Plated Steel
Hospital Grade, NEMA® WD-6 Compliant (USB8200 and	Hex Head Grounding Screw	Plated Steel
8300 series only)	Automatic Self-Grounding Staple	Stainless Steel
Complies with battery charging specification USB BC1.2	Mounting Screws	Zinc Plated Steel
and 3.0 Power	Auto-Ground Staple	Stainless Steel
Complies with Part 15 of the FCC rules		
Compatible with USB 1.1/2.0/3.0 devices, including Apple products		

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
USB Port	Stainless Steel Rated for 10,000 plug insertions and removal
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green)
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Circuit Feed-Through	20 Amp 125 Volt
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

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Dimensions in Inches (mm)

Hubbell-PRO Extra Heavy Duty, Straight Blade Specification Grade Duplex Receptacles


5252AB


5262B

Specifications

Receptacle, Smooth Nylon Face	Part	Description
Typical Specification – Catalog No. **5252AB** Manufacturer's Identification – Hubbell **5252AB** Receptacle Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V Certification – UL Listed to UL498 File E2186 Fed. Spec. WC596, Certified to CSA 22.2, No. 42 NEMA® WD-6 Compliant	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact Line Terminal Screws Ground Screw Center Assembly Staple Automatic Self-Grounding Staple Mounting Screws	15A Polycarbonate Polycarbonate .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .040 in. (1) Galvanized Steel .031 in. (.8) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive .040 in. (1) Galvanized Steel Stainless Steel Zinc Plated Steel
Receptacle, Finder Groove Face	**Part**	**Description**
Typical Specification – Catalog No. 5262B Manufacturer's Identification – Hubbell 5262B Receptacle Description – Straight Blade Duplex Receptacle Type – 2 Pole, 3 Wire, Grounding Rating – 15A, 125V Certification – UL Listed to UL498 File E2186 Fed. Spec. WC596, Certified to CSA C22.2, No. 42 NEMA® WD-6 Compliant	Receptacle Top Base Triple Wipe Power Contacts Wire Clamp Mounting Strap Ground Contact Line Terminal Screws Ground Screw Center Assembly Staple Automatic Self-Grounding Clip Mounting Screws	15A Polycarbonate RTP* .031 in. (.8) Brass .062 in. (1.8) Steel-Nickel Finish .050 in. (1) Galvanized Steel .031 in. (.8) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive .040 in. (1) Galvanized Steel Stainless Steel Zinc Plated Steel

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental – Material	
Flammability	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

Note: Please consult the factory for product dimensions and specifications of other products listed in this catalog.

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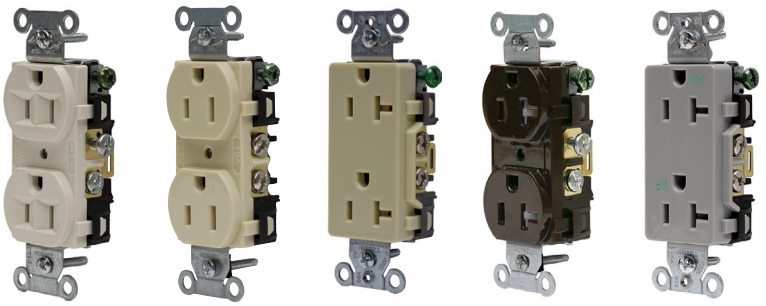
Dimensions in Inches (mm)

Commercial Specification Grade Receptacles



CRF15I BR15LA DR20I CR20TR DR20GRYWRTR

Specifications

Part	Standard	Weather Resistant
Top	Polycarbonate	Polycarbonate (UV Rated)
Base	Polycarbonate	Nylon
Double Wipe Power Contacts	.030 in. (.8) Brass	.030 in. (.8) Brass
Wire Clamp	.062 in. (1.6) Steel-Nickel Plated	.062 in. (1.6) Steel-Nickel Plated
Finish		
Mounting Strap	.040 in. (1) Galvanized Steel	.040 in. (1) Galvanized Steel
Ground Contact	.031 in. (.8) Brass	.031 in. (.8) Brass
Line Terminal Screws	#8-32 Plated Steel, Multiple Drive	#8-32 Stainless Steel, Multiple Drive
Ground Screw	#8-32 Plated Steel, Multiple Drive	#8-32 Stainless Steel, Multiple Drive
Automatic Self-Grounding Staple	Stainless Steel	Stainless Steel
Mounting Screws	Zinc Plated Steel	Stainless Steel
Certification		
UL Listed	UL498	UL498
Fed. Spec	WC596	WC596*
Certified to CSA	C22.2, No. 42	C22.2, No. 42

Performance

Electrical		
Dielectric Voltage	Withstands 2,000V minimum.	Withstands 2,000V minimum.
Max. Working Voltage	125V.	125V.
Current Interrupting	Certified for current interrupting at full rated current.	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current.	Max 30°C temperature rise at full rated current after 100 cycles of overload at 150% of rated current.
Mechanical		
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-10 AWG stranded or solid copper conductor only.	#14-10 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.	Ratings are a permanent part of the device.
Environmental – Material		
Flammability	UL 94V-2.	UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Decorator and Commercial Tamper-Resistant devices are not Fed. Spec. Listed.*

Dimensions in Inches (mm)

4-PLEX® Receptacles



HBL415I

Specifications

Receptacles	Part	Description
Typical Specification – Catalog No. **HBL415** Manufacturer's Identification – Hubbell 4-PLEX **HBL415** Description – Straight Blade, Multiple Outlet Receptacle Type – 2 Pole, 3 Wire, Grounding Rating 15A, 125V Certification – Listed to UL Standard 498 File E2186 Certified to CSA 22.2, No. 42 File 285	Receptacle Top Base Power Contacts Ground Contacts Ground Plate (Hospital Grade) Line and Neutral Terminal Plate Line Terminal Screw Ground Screw	15 or 20A Polycarbonate Polycarbonate .032 in. (.8) Brass .031 in. (.8) Brass .032 in. (.8) Plated Steel .050 in. (1.3) Plated Steel .031 in. (.8) Brass #8-32 Brass #8-32 Brass (Green)

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V.
Current Interrupting	Capable of withstanding a fault level of 1000A, per UL498.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload current at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accommodation	#14-12 AWG stranded or solid copper conductor only.
Product Identification	Ratings are a permanent part of the device.
Environmental	
Flammability	Top: UL 94V-2.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Reinforced Thermoplastic Polyester.*

Dimensions in Inches (mm)

Insulgrip® Plugs and Connector Bodies



HBL5266C



HBL5269C

Specifications

Plugs	Part	Description
Typical Specification – Catalog No. **HBL5266C**	Plug	15A
Manufacturer's Identification – Hubbell **HBL5266C**	Housing	Nylon – Black
Description – Straight Body Plug	Blade Holder	Nylon – Natural
Type – 2 Pole, 3 Wire, Grounding	Retainer	Polycarbonate – Clear
Rating – 15A, 125V	Cord Clamp	Nylon – Natural
Verified to Fed. Spec. WC596	Contact Blades	.060 in. (1.5) Brass
Certification – UL Listed to UL498 File E1706,	Ground Contact Blade	.040 in. (1.0) Copper Alloy
CSA Certified to C22.2 No. 42 File 280	Line Terminal Screws	#8-32 Brass, Multiple Drive
IP Suitability – IP20	Ground Screw	#8-32 Brass, Multiple Drive (Green)
	Wire Clamps	.062 in. (1.6) Steel – Nickel Finish
Receptacles	**Part**	**Description**
Typical Specification – Catalog No. **HBL5269C**	Connector Body	15A
Manufacturer's Identification – Hubbell **HBL5269C**	Housing	Nylon – Black
Description – Straight Body Connector	Contact Holder	Nylon – Natural
Type – 2 Pole, 3 Wire, Grounding	Retainer	Polycarbonate – Clear
Rating – 15A, 125V	Cord Clamp	Nylon – Natural
Verified to Fed. Spec. WC596	Power Contacts	.040 in. (1.0) Copper Alloy
Certification – UL Listed to UL498 File E1706,	Line Terminal Screws	#8-32 Brass, Multiple Drive
CSA Certified to C22.2 No. 42 File 280	Ground Screw	#8-32 Brass, Multiple Drive (Green)
IP Suitability – IP20	Wire Clamps	.062 in. (1.6) Steel – Nickel Finish

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green).
Terminal Accommodation	#18-10 AWG copper conductors only. #16-10 AWG For EdgeConnect devices.
Product Identification	Ratings are a permanent part of the device.
Torque Range	12 in./lb. terminal screws, 7 in./lb. assembly screws.
Cord Diameter Range	.230–.720 in. (5.8–18.3) integral cord grip.
Environmental – Material	
Flammability	UL 94HB or better.
Operating Temperature	Maximum continuous 75°C; minimum – 40°C (w/o impact).

Dimensions in Inches (mm)

Valise® Plugs and Connectors



HBL5965VY



HBL5969VY

Specifications

Plugs	Part	Description
Typical Specification – Catalog No. **HBL5965VY**	Plug	15A
Manufacturer's Identification – Hubbell **HBL5965VY**	Housing	Nylon
Description – Straight Body Plug	Contact Blades	Brass
Type – 2 Pole, 3 Wire, Grounding	Ground Blade	Brass
Rating – 15A, 125V	Line Terminal Screws	Steel-Copper, Multiple Drive
Verified to Fed. Spec. WC596	Ground Screw	Steel (Green), Multiple Drive
Certification – UL Listed to UL 498 File E1706, CSA Certified to C22.2 No. 42 File 280C	Cable Inserts	Poly Phenylene Oxide
	Wire Clamps	Steel
IP Suitability – IP20	Body Holding Screws	Steel, Multiple Drive
Connector Bodies	**Part**	**Description**
Typical Specification – Catalog No. HBL5969VY	Connector Body	15A
Manufacturer's Identification – Hubbell HBL5969VY	Housing	Nylon
Description – Straight Body Connector	Contact and Ground Springs	Brass
Type – 2 Pole, 3 Wire, Grounding	Line Terminal Screws	Steel-Copper, Multiple Drive
Rating – 15A, 125V	Ground Screw	Steel (Green), Multiple Drive
Verified to Fed. Spec. WC596	Cable Inserts	Poly Phenylene Oxide
Certification – UL Listed to UL 498 File E1706, CSA Certified to C22.2 No. 42 File 280C	Wire Clamps	Steel
	Body Holding Screws	Steel, Multiple Drive
IP Suitability – IP20		

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 and CSA (Brass, White, Green).
Terminal Accommodation	Copper conductors only. 2 Wire 15A Only #18-14 AWG, 2 Wire 20A & 3 Wire #18-12 AWG, Hospital Grade #16-12 AWG, I.D. Valise #18-16 AWG.
Product Identification	Molded Rating on Device Face.
Torque	12 in./lb. terminal screws, 7 in./lb. assembly screws.
Cord Diameter Range	2-Wire 15A Only .218–.385 in. (5.5–9.8), 2-Wire 20A & 3 Wire .220–.660 in. (5.6–16.8), Hospital Grade .300–.660 in. (7.6–16.8), I.D. Valise .230–.360 in. (5.8–9.1).
Environmental – Material	
Flammability	UL 94HB or better.
Operating Temperature	Maximum continuous 75°C; minimum – 40°C (w/o impact).
Standards	
NEMA® WD1	
NEMA Configurations	
Listed to UL Standard UL498	
Certified to CSA Standard C22.2 No. 42	
Verified to Federal Spec WC596	

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Dimensions in Inches (mm)

IEC 320 Devices


H320R


H320C


H320P


H320B

Specifications

Receptacle	
Catalog Number	**H320R**
Description	IEC Configuration compatible straight blade panel mount receptacle.
Type	2 Pole + earth.
Rating	16A 250V AC for European service; 20A 250V AC for North American service.
Certification	UL Listed 20A 250V AC – File No. E2186; CSA Certified 20A 250V AC – File No 17337.
Terminal Accommodation	North American – #16-12 AWG stranded or solid copper conductor only. International – 1.55mm2–2.5mm2.
Connector	
Catalog Number	**H320C**
Description	IEC Detachable straight blade connector.
Type	2 Pole + earth.
Rating	16A 250V AC for European service; 20A 250V AC for North American service.
Configuration	IEC 60320-1 Style appliance coupler, C19.
Certification	UL Listed 20A 250V AC – File No. E1706; CSA Certified 20A 250V AC – File No. 17337; UL Classified to IEC 320, 16A 250V AC – File No. E111246;
Cord Accommodation	North American – 16/3SJ-12/3SJ (.325–.475 in. dia.); International – (HAR cord) 3x1.5mm2–3x2.5mm2 (8mm–12mm dia.).
IP Suitability	IP20.
Plug	
Catalog Number	**H320P**
Description	IEC Configuration compatible straight blade Valise® plug.
Type	2 Pole + earth.
Rating	16A 250V AC for European service; 20A 250V AC for North American service.
Certification	UL Listed 20A 250V AC – File No. E1706; CSA Certified 20A 250V AC – File No. 17337.
Cord Accommodation	North American – 16/3 SJ-12/3SJ (.325–.475 in. dia.); International – (HAR cord) 3x1.5mm2 3x2.5mm2 (8–12mm dia.).
IP Suitability	IP20.
Inlet	
Catalog Number	**H320B** and **H320BL**
Description	IEC Straight blade panel mount power inlet.
Type	2 Pole + earth.
Rating	16A 250V AC for European service; 20A 250V AC for North American service.
Configuration	IEC 60320-1 Style appliance coupler, C20.
Certification	UL Listed 20A 250V AC – File No. E1706; CSA Certified 20A 250V AC – File No. 17337; UL Classified to IEC 320, 16A 250V AC – File No. E111246; VDE Certified at 16A 250V AC – File No. 12469 1550 1002.
Terminal Accommodation	North American – #16-12 AWG stranded or solid copper conductor only. International – 1.5mm2–2.5mm2.

Dimensions in Inches (mm)

Heavy Duty Insulgrip® Plugs and Receptacles



HBL9431C



HBL9430A

Specifications

Plug	Part	Description
Typical Specification - Catalog No. **HBL9431C**	Plug	30A
Manufacturer's identification - Hubbell **HBL9431C**	Housing	Supertough Nylon
Description - Straight Body Plug	Blade Holder & Retainer	Reinforced Thermoplastic Polyester
Type - 3 Pole, 4 Wire, Grounding	Blades	Brass
Rating - 30A, 125/250V	Terminal Screws	3/8 in. Allen Head, Plated Steel
Certification - UL Listed File E1706, CSA Certified*	Box Terminals	Copper Alloy
IP Suitability - IP20	Cord Clamps	Reinforced Thermoplastic Polyester
	Mounting and Clamp Screws	Stainless Steel
	Cord Grip Range	.625–1.310 in. (15.9–33.3)
Receptacle	**Part**	**Description**
Typical Specification - Catalog No. **HBL9430A**	Receptacle	30A
Manufacturer's Identification - Hubbell **HBL9430A**	Housing Construction	Reinforced Thermoplastic Polyester
Description - Single Receptacle	Mounting Plate	.062 in. (1.5) Pre-Plated Steel
Type - 3 Pole, 4 Wire, Grounding	Contacts	Brass
Rating - 30A, 125/250V	Ground Shunt	Brass
Certification - UL Listed File E2186, CSA Certified	Terminal Screws	3/8 in. Allen Head, Plated Steel
	Box Terminals	Copper

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V or 250V as rated.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Mechanical	
Terminal Identification	Terminals identified in accordance with UL 498 (Brass, White, Green).
Terminal Accommodation	#12 AWG through #4 AWG copper wire only.
Product Identification	Ratings are a permanent part of the device.
Environmental	
Weather Resistant (WR)	IP Suitability IP20.
Flammability	Plug: UL 94 HB. Receptacle: UL 94 V-0.
Operating Temperature	Maximum continuous 75°C; minimum -40°C (w/o impact).

*Note: *Listed to UL Standard 498 (Attachment Plugs and Receptacles), Certified to CSA Standard 42M (General Use Receptacles, Attachments, Plugs and Singular Wiring Devices) where applicable.*

Dimensions in Inches (mm)

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50A Twist-Lock Devices



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Products at a Glance



Insul-Lock™ Plus Connectors

- 20A, 250V AC rated
- Rated for disconnect under load
- IP65 rated
- Interchangeable with other similar brands

Insul-Lock Connectors

- 25A, 250V AC and DC rated
- Do not connect or disconnect under load
- Color coded blue for power in & gray for power out



Midget Twist-Lock Devices

- Smaller body size for use in tighter fit applications where larger products can't
- Abuse resistant nylon housing

Midget Valise® Devices

- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals
- Patented locking lugs interlock the two sections together providing a secure assembly



Insulgrip® Twist-Lock Devices

- Tough ribbed nylon housing for secure gripping
- Insulated nylon construction to keep non-current carrying parts from becoming energized
- Integral dust shield protects wiring chamber from dust and contaminants
- Voltage color coding on receptacle face facilitates proper mating of devices



Safety-Shroud® Twist-Lock Devices

- Tough nylon shroud protect blades from damage and abuse
- Prevents exposure to potential arc
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147
- Accepts conventional NEMA locking plugs



Watertight Safety-Shroud® Twist-Lock Devices

- Gland seal prevents water ingress at cord entrance
- Strong PBT body for heavy duty applications
- Closure cap creates environmental seal when device is not in use
- Visible color coded rating label on devices ensure proper mating



50 Amp Insulgrip® Devices

- Heavy duty design built for heavy duty applications
- Thermoplastic cord grips are designed with offset gripping jaws to hold connectors as well as the jacket
- Stainless steel shroud restricts mismating with the wrong device
- Padlock capable shroud allows compliance to OSHA lockout/tagout regulation 29 CFR 1910.147



Hubbellock® Devices

- Enhanced safety because access to live female contacts is restricted by the spring-loaded safety shutter
- No "lazy" connections because a spring-loaded safety shutter automatically ejects the plug if it hasn't been properly locked into the female device; this eliminates teasing of the contacts, a major cause of contact burn-up

Features and Benefits

Entertainment Applications

Ideal for use with LED lighting and other applications including multiple screen video walls. The rear of the connector is black to blend in when used in visible areas.

Available in both inline and panel mount styles, Hubbell's Insul-Lock™ Connectors have a quick release, vibration resistant latch. Hubbell's connections intermate with other similar brands.



Insul-Lock Plus Connectors

- 20A, 250V AC rated
- Rated for disconnect under load
- IP65 rated
- Panel mount devices accept commonly available .25" spade style connectors
- Industry standard mating, interchangeable with installed base



Insul-Lock Connectors

- 25A, 250V AC and DC rated
- Do not connect or disconnect under load
- Color coded blue for power in and gray for power out
- Industry standard mating Interchangeable with installed base
- Impact-resistant thermoplastic construction; suitable for use in UL1640 applications



Housing Design

- 20A, 250V AC rated
- Impact-resistant thermoplastic construction
- Industry standard mating, interchangeable with installed base
- UL 50E enclosure Type 4 rated when used with mating connector or with panel mount and watertight cover



Connector Housing

- 225A, 250V AC and DC rated
- Insulgrip style body design for a secure grip
- Color coded blue for power in and gray for power out
- Do not connect or disconnect under load



Connector Body

- Connectors accept up to 12/3 AWG SO cable which meets NEC 520.68 requirements for extra-hard usage cords or cables
- Multiple strain relief collets to accommodate cable range



Locking Latch

- Turn and latch feature prevents nuisance disconnects
- Quick release locking latch to ensure positive connection
- Connectors accept up to 12/3 AWG SO cable meets NEC 520.68 requirements for extra-hard usage cords or cables



Contacts

- Panel mount devices accept commonly available .25" spade style connectors



Panel Mount

- Divided panel mounts available for use with non-insulated terminations
- Panel mount devices accept commonly available .25" spade style connectors; simplifies installation for domestic OEM's

Insul-Lock™ Miniature Power Connections

Insul-Lock Plus Inline Connectors

Description	Male Connector Power In	Female Connector Power Out
20 Amp locking cable connector, screw terminals.	HBLMC	HBLFC

Insul-Lock Plus Panel Mounts

Description	Inlet	Outlet
20 Amp 1/4" tab terminations without divider 20 Amp 1/4" tab terminations, with divider.	HBLMP HBLMPD	HBLFP HBLFPD

Insul-Lock Plus Accessories

Description	Inlet	Outlet
Spring loaded watertight cover Watertight dust protection cap with chain.	HBLMPC HBLMPDC	HBLFPC HBLFPDC



Insul-Lock Plus Certifications

UL Recognized component for USA and Canada. Connectors are rated UL50E Enclosure type 4X when used with mating connector or with panel mount and watertight cover. Panel Mounts are rated UL50E Enclosure type 4X with the cover closed or with the mating connectors. IP65 Rated

Rated for connection and disconnection under load.

Insul-Lock Inline Connectors

Description	Male Connector Power In (Blue)	Female Connector Power Out (Gray)
25 Amp locking cable connector, screw terminals.	HBLCPIBL	HBLCPOGY

Insul-Lock Panel Mounts

Style	Power In (Blue)	Power Out (Gray)
25 Amp 1/4" tab terminations without divider 25 Amp 1/4" tab terminations with divider.	HBLPMIBL HBLPMIDBL	HBLPMOGY HBLPMODGY

Insul-Lock Accessories

Description	Catalog Number
Panel mount retainer plate (also compatible with HBLMP & HBLMPD) Panel mount M3x.5 screw, 8mm long.	HBLPMRP HBLPMSC



Insul-Lock Certifications

UL Recognized component for USA and Canada VDE Certified.

Do not connect or disconnect under load.

Dimensions in Inches (mm)

Midget 15 Amp Plugs and Connector Bodies

Features and Benefits

Hubbell's Valise® insulation displacement terminal for Midget Twist-Lock Plugs and Connector Bodies are the right choice for economy, wiring speed and long life.

- Nylon webs join two sections together which makes assembly of the Valise style device quick and easy
- Patented locking lugs interlock the two sections together when the device is assembled providing a secure assembly
- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals
- "TURN & PULL" marking is highly visible, reducing possible damage to equipment by attempting disconnection prior to unlocking



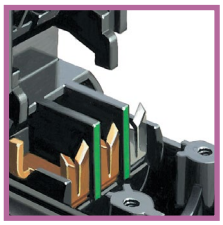


Note: The cut-away views below are construction elements pertaining specifically to the Valise style series.



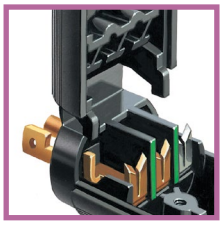
Housing Design

- Totally insulated body adds extra measure of safety
- Abuse resistant nylon housing



Contacts

- The insulation displacement terminal reduces the time required for wire preparation and provides uniformity in the quality of termination
- Powerful, cord-gripping jaws designed to eliminate conductor slip and strain on terminals



One-Piece Design

- Nylon webs join two sections together which makes assembly of the device quick and easy
- Patented locking lugs interlock the two sections together when the device is assembled providing a secure assembly, even in the most abusive environments



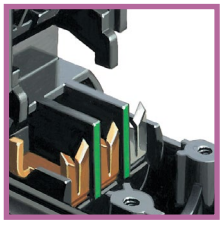
Assembly

- Assembly screws have multiple drive heads for screwdriver versatility
- Only two assembly screws are needed to close this device, make the wire terminations and retain the cord



Identification

- Rating marked on surface provides quick, sure circuit identification



Markings

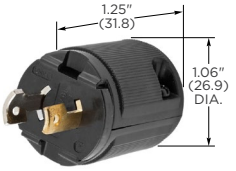
- "TURN & PULL" marking is highly visible, reducing possible damage to equipment by attempting disconnection prior to unlocking

Midget Plugs and Flanged Inlets

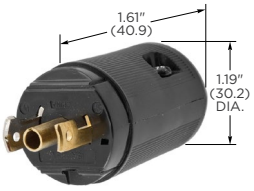
IP20 SUITABILITY

Plugs

Description	Cord Dia.	15A 125V NEMA ML-1P	15A 125V NEMA ML-2P	15A 125/250V AC NEMA ML-3P
		Catalog Number		
Valise plug, black nylon, multiple drive screw terminals.	.220"-.385" (5.6-9.8)	HBL7465V*	—	—
Valise plug, black nylon, insulation displacement terminals.	.300"-.430" (7.6-10.9)	—	HBL7594V	—
Black nylon cover, phenolic body, multiple drive screw terminals.	.281"-.421" (7.1-10.7)	—	HBL7594	—
Angle plug, black nylon cover, phenolic body, multiple drive screw terminals.	.335"-.421" (8.5-10.7)	—	HBL7570	—
Valise plug, black nylon, with insulation displacement terminals.	.300"-.430" (7.6-10.9)	—	—	HBL7485V*
Black nylon body, phenolic base, multiple drive screw terminals, cord grip.	.281"-.421" (7.1-10.7)	—	—	HBL7485*
Same as above, except angle cord grip.	.335"-.421" (8.5-10.7)	—	—	HBL7432*



HBL7465V



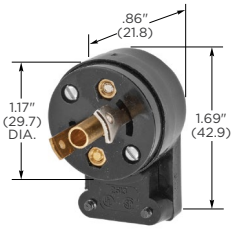
HBL7594V



HBL7594

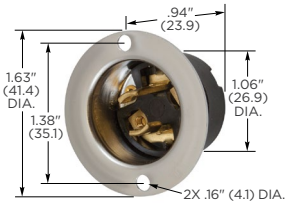
Flanged Inlets

Description	Catalog Number		
Stainless steel flange, polarized, exposed terminals.	HBL7467*	—	—
Stainless steel flange, not polarized, exposed terminals.	HBL7466*	—	—
Exposed terminals, black nylon flange.	—	HBL7595N	—
Exposed terminals, stainless steel flange.	—	HBL7595	—
Covered terminals, stainless steel flange, accepts cord .500" (12.7) dia.	—	HBL7551	—
Exposed terminals, black nylon flange.	—	—	HBL7486N*
Exposed terminals, stainless steel flange.	—	—	HBL7486*

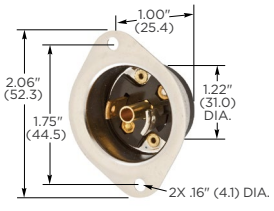


HBL7570

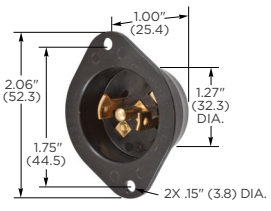
Note: See page C-8 for accessories.
**UL Listed only.*
Male ML-2P devices have hollow center ground sleeves.
Male ML-3P devices have solid center neutral pins.



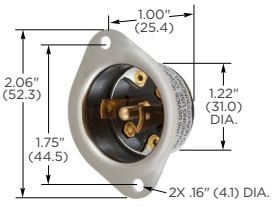
HBL7466, HBL7467



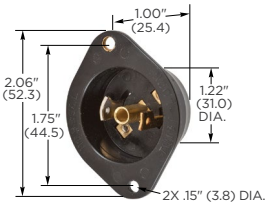
HBL7595



HBL7486N



HBL7486

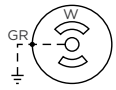


HBL7595N

Dimensions in Inches (mm)

IP20 SUITABILITY







Connector Bodies

Description	Cord Dia.	15A 125V NEMA ML-1R	15A 125V NEMA ML-2R	15A 125/250V AC NE MA ML-3R
		Catalog Number		
Valise® connector body, black nylon, polarized, multiple drive screws.	.220"-.385" (5.6-9.8)	HBL7464V*	—	—
Valise connector body, black nylon, insulation displacement terminals.	.300"-.430" (7.6-10.9)	—	HBL7593V	—
Black nylon cover, phenolic body, screw terminals.	.281"-.421" (7.1-10.7)	—	HBL7593	—
Angle connector body, black nylon cover, phenolic body, screw terminals.	.335"-.421" (8.5-10.7)	—	HBL7571	—
Valise type, black nylon, with insulation displacement terminals.	.300"-.430" (7.6-10.9)	—	—	HBL7484V*
Black nylon body, phenolic base, cord grip.	.281"-.421" (7.1-10.7)	—	—	HBL7484*
Same as above, except for angle cord grip.	.335"-.421" (8.5-10.7)	—	—	HBL7433*



HBL7464V



HBL7593V

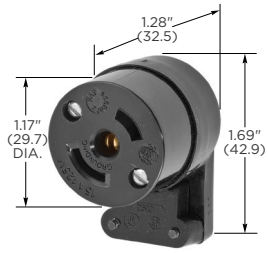


HBL7593

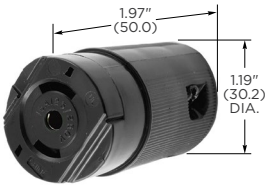
Flanged Receptacles

Description	Catalog Number		
Stainless steel flange, exposed terminals.	HBL7468*	—	—
Exposed terminals, black nylon flange.	—	HBL7596N	—
Exposed terminals, stainless steel flange.	—	HBL7596	—
Covered terminals, stainless steel flange, accepts cord .500" (12.7) in dia.	—	HBL7598	—
Exposed terminals, black nylon flange.	—	—	HBL7487N*
Exposed terminals, stainless steel flange.	—	—	HBL7487*
Covered terminals, stainless steel flange, accepts cord .500" (12.7) in diameter.	—	—	HBL7489*

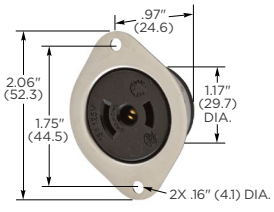
Note: See page C-8 for accessories.
**UL Listed only.*
Female ML-2R devices have solid center ground pins.
Female ML-3R devices have hollow center neutral sleeves.



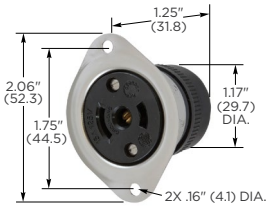
HBL7571



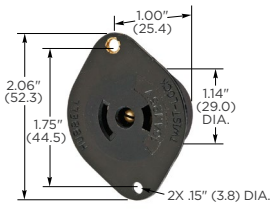
HBL7484V



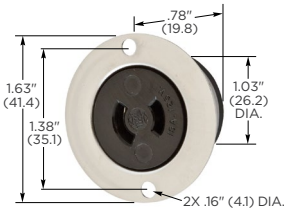
HBL7596



HBL7598



HBL7596N



HBL7468

Dimensions in Inches (mm)

Midget Accessories

Weatherproof Accessories for ML-1

Description	Catalog Number
Seal-tite® cover, black elastomer, for use with a HBL7465V plug when used with a HBL7464V connector body or a HBL7464V connector when used with a flanged inlet.	**HBL7490V***
Seal-tite cover, black elastomer, for use with a HBL7464V connector body and combination of HBL7465V plug and HBL7490V cover.	**HBL7459V***
Closure cover for use with HBL7466 or HBL7467. Bead chain is nickel-plated.	**HBL4890**



HBL7490V

Weatherproof Accessories for ML-2

Description	Catalog Number
Seal-Tite cover, black elastomer, for use with a HBL7594V plug when used with a HBL7593V connector body or a HBL7593V connector body when used with a flanged inlet.	**HBL7495V***
Seal-Tite cover, black elastomer, for use with a HBL7593V connector body and a combination of HBL7594V plug and HBL7495V cover.	**HBL7440V***
Closure cover for use with HBL7595 or HBL7595N.	**HBL4889**



HBL7459V

Weatherproof Accessories for ML-3

Description	Catalog Number
Seal-Tite cover, black elastomer, for use with a HBL7485V or HBL7485 plug when used with a HBL7484V or HBL7484 connector body when used with a flanged inlet.	**HBL7495V***
Seal-Tite cover, black elastomer, for use with a HBL7484V or HBL7484 connector body and a combination of HBL7485V or HBL7485 plug and HBL7495V cover.	**HBL7440V***
Closure cover for use with HBL7486 or HBL7486N.	**HBL4889**

*Note: *IP55 suitability when installed and used properly with plug and connector body combinations.*



HBL4890



HBL7495V



HBL7440V



HBL4889

Features and Benefits

Insulgrip products are synonymous with Hubbell's ongoing commitment to discovering ways to make products safer and last longer.

By encasing wiring devices in tough nylon housings, Insulgrip devices ensure high impact, heat, and chemical resistance while insulating current-carrying components from the user for maximum safety.

- The Insulgrip cord gripping design clamps conductors, not just the cable jacket, making it the industry's most powerful cord grip with superior strain relief
- Each Insulgrip device is manufactured with roomy, separate wiring chambers to insulate conductors and an individually molded face to keep out dust and debris that can cause contamination over time

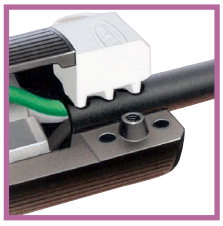






Housing Design

- Ribbed nylon housing provides a secure grip that's impact and chemical resistant
- Beveled housing prevents snagging when dragged across uneven surfaces
- Individually molded face for each blade configuration keeps debris out of plug interior



Internal Design

- Powerful cord grips clamp on individual conductors and outer cord jacket to prevent strain on terminations
- Individual wiring terminals are completely enclosed in their own separate chambers



Cord Range

- Integral VARI-SIZE® insert adjusts to a wide range of cord sizes: .230-.720 inch (5.8-18.3)
- VARI-SIZE pointer set to "smaller than gauge" position; cord diameter range is .230-.360 inch (5.8-9.0); accepts slotted and Phillips head drivers



Assembly

- "Multiple drive" screw heads provide screwdriver versatility; pocketed recess for cord grip screws deters slippage of the screwdriver



Identification

- Catalog number is visible on the device while in use for easy identification



Visual Verification

- Transparent angled wiring entrance holes guide conductor insertion and allow for quick visual verification of terminations

15 Amp Duplex Twist-Lock Receptacles

Features and Benefits



Hubbell Wiring Device-Kellems line of duplex Twist-Lock receptacles are designed to deliver premium service and longer life. This rugged product design establishes a new standard for 15 amp locking receptacles. A reinforced thermoplastic top and base encapsulates the brass alloy contacts that are locked together for unequaled assembly strength.
Wiring and installation is simplified with back and side wire terminations, integral wire restraints, and combination head screws. The integral split circuit capability offers flexibility. Available in 2 pole, 3 wire configurations including isolated ground and corrosion resistant versions.

- Superior spring characteristics for increased contact force, secure connections and longer life
- High-conductivity, corrosion resistant material for reliable, low resistance to fault currents
- Easy and reliable installation for stranded and solid wire
- Features split circuit capability in the field
- The assembly locks together to make the most abuse resistant receptacle ever



Housing Design

- Reinforced thermoplastic construction
- High impact and heat resistance provides maximum safety and longer life



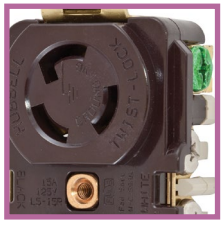
Terminals

- Single point break-off tabs
- High performance internal wiring clamps and open terminal design provide for the use of forked terminals



One-Piece Design

- Mounting strap tabs lock the body and base together
- Brass mounting strap with stainless steel grounding clip



Contacts

- Single piece, all brass contacts
- All terminals are back and side wired including the ground



Identification

- Rating marked on surface provides quick, sure circuit identification



Center Rivet

- Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

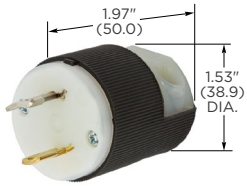
15 Amp, 125 Volts 2 Pole, 2 Wire, Non-Grounding

IP20 SUITABILITY

Plugs

Description	Cord Dia.	15A 125V NEMA L1-15P 0.5 HP Catalog Number
Black and white nylon, polarized. Multiple drive screws.	.230"-.720" (5.8-18.3)	HBL7545C

Note: See page C-51 for accessories.

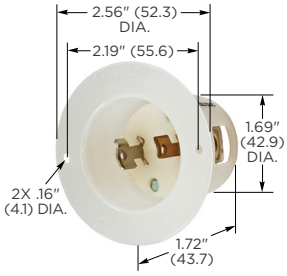


HBL7545C

Flanged Inlets

Description	Catalog Number
Nylon casing, polarized, backwired, Multiple drive screws.	HBL7524C

Note: See page C-50 for accessories.



HBL7524C

Connector Bodies

Description	Cord Dia.	15A 125V NEMA L1-15R 0.5 HP Catalog Number
Black and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	HBL7506C

Note: See page C-51 for accessories.

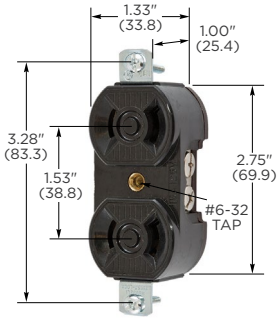


HBL7506C

Receptacles

Description	Catalog Number
Duplex, flush, black phenolic.	HBL7540
Single, flush, black phenolic.	HBL7535
Single, panel mount, 1-15/16" (49.2) centers, black phenolic.	HBL7498

Note: See page C-50 for accessories..

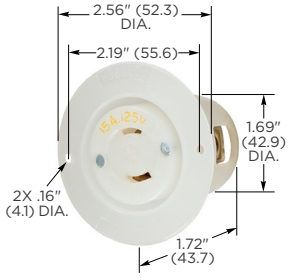


HBL7540

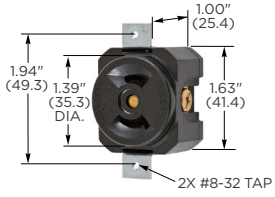
Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, backwired. Multiple drive screws.	HBL7526C
Metal flange, stainless steel casing, black phenolic, exposed terminals.	HBL7526

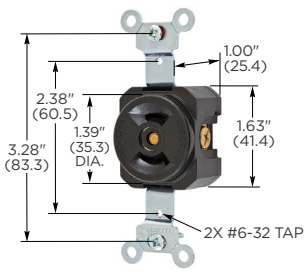
Note: See pages C-50 and C-51 for accessories.
Only receptacles and plugs are HP rated.
HP ratings are AC only.



HBL7526C



HBL7498



HBL7535

Dimensions in Inches (mm)

15A Twist-Lock Devices

15 Amp, 125, 250 Volts and 277 Volts AC

IP20 SUITABILITY







Plugs

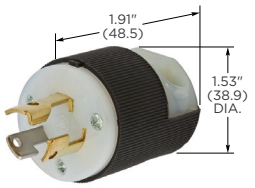
Description	Cord Dia.	15A 125V NEMA L5-15P 0.5 HP	15A 250V NEMA L6-15P 1.5 HP	15A 277V AC NEMA L7-15P 2 HP
		Catalog Number		
Insulgrip® plug, black and white nylon. Multiple drive screws. Fed Spec WC596.	.230"-.720" (5.8-18.3)	HBL4720C	HBL4570C	HBL4770C
Insulgrip plug, black and white, spring termination. Fed Spec WC596.	.230"-.720" (5.8-18.3)	HBL4720CST	HBL4570CST	HBL4770CST
All black nylon.	.230"-.720" (5.8-18.3)	HBL4720CBK	—	—
Insulgrip angle plug, 8 position angle, black and white nylon. Multiple drive screws.	.325"-.655" (8.3-16.6)	HBL4720CA	HBL4570CA	HBL4770CA
Insulgrip plug, corrosion resistant, yellow and white nylon. Multiple drive screws. Fed Spec WC596.	.230"-.720" (5.8-18.3)	HBL47CM20C	HBL45CM70C	HBL47CM70C
Elastogrip® plug, yellow elastomer, dust tight.	300"-.655" (7.6-16.6)	HBL2447	—	—
Elastogrip plug, yellow elastomer, water/dust tight.	300"-.655" (7.6-16.6)	HBL24W47	—	—
Valise® plug, yellow nylon.	.220"-.660" (5.6-16.8)	HBL4723VY	HBL4573VY	HBL4773VY
Valise plug, black nylon.	.220"-.660" (5.6-16.8)	HBL4723VBK	HBL4573VBK	HBL4773VBK

Note: See page C-51 for accessories.

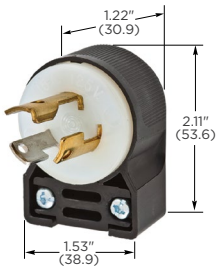
Flanged Inlets

Description			
	Catalog Number		
Insulgrip flanged inlet, nylon casing, back wired.	HBL4716C	HBL4586C	HBL4786C
Stainless steel casing, brown phenolic.	HBL4716*	HBL4586*	HBL4786*
Corrosion resistant, stainless steel casing, yellow melamine.	HBL47CM16*	—	—

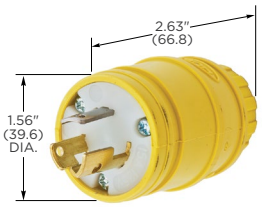
Note: See page C-50 for accessories. HP ratings are AC only. Only plugs are HP rated.
See page C-69 for technical information on Insulgrip devices.
**These flanged inlets will not accept Valise® connector bodies.*



HBL4720C



HBL4720CA



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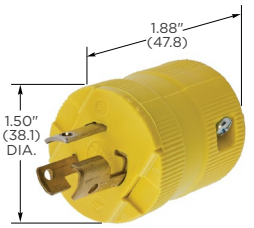

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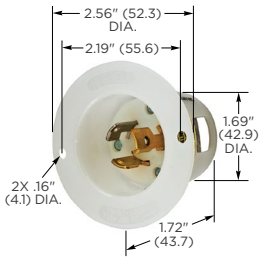

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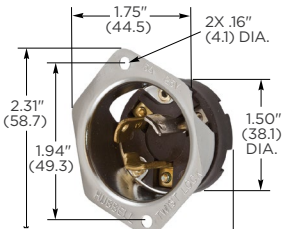


HBL4716

Dimensions in Inches (mm)

15 Amp, 125, 250 Volts and 277 Volts AC

IP20 SUITABILITY

Connector Bodies

Description	Cord Dia.	15A 125V NEMA L5-15R 0.5 HP	15A 250V NEMA L6-15R 1.5 HP	15A 277V AC NEMA L7-15R 2 HP
		Catalog Number		
Insulgrip connector body, black and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	HBL4729C	HBL4579C	HBL4779C
Insulgrip connector body, black and white body, spring termination.	.230"-.720" (5.8-18.3)	HBL4729CST	HBL4579CST	HBL4779CST
All black nylon.	.230"-.720" (5.8-18.3)	HBL4729CBK	—	—
Insulgrip connector body, 8 position angle, black and white nylon. Multiple drive screws.	.325"-.655" (8.3-16.6)	HBL4729CA	—	—
Insulgrip connector body, corrosion resistant, yellow and white nylon. Multiple drive screws.	.230"-.720" (5.8-18.3)	HBL47CM29C	HBL45CM79C	HBL47CM79C
Elastogrip connector body, yellow elastomer, dust tight.	.300"-.655" (7.6-16.6)	HBL2547	—	—
Elastogrip® connector body, yellow elastomer, water/dust tight.	.300"-.655" (7.6-16.6)	HBL25W47**	—	—
Valise® connector body, yellow nylon.	.220"-.660" (5.6-16.8)	HBL4729VY	HBL4579VY	HBL4779VY
Valise connector body, black nylon.	.220"-.660" (5.6-16.8)	HBL4729VBK	HBL4579VBK	HBL4779VBK

Note: See page C-49 for accessories.

Receptacles

Description	Catalog Number		
Duplex, flush, brown RTP face, back and side wired. Duplex, flush, ivory RTP face, back and side wired.	HBL4700* HBL4700I*	HBL4550* —	HBL4750* —
Duplex, flush, brown, spring termination.	HBL4700ST	HBL4550ST	HBL4750ST
Duplex, ring terminal connection.	HBL4700RT*	HBL4550RT*	—
Duplex, isolated ground, flush, orange RTP face, back and side wired.	IG4700A*	IG4550A*	—
Duplex, isolated ground, flush, orange face, spring termination.	IG4700AST	—	—
Duplex, corrosion resistant, yellow RTP face, back and side wired.	HBL47CM00*	—	—
Single flush, black face, spring termination.	HBL4710ST	HBL4560ST	HBL4760ST
Same as HBL4760 without mounting screws, ears. Terminal screws backed out, back and side wired. This item is bulk packed 100 pcs case.	—	—	HBL4760C
Single, ring terminal connection.	HBL4710RT	HBL4560RT	—
Single, isolated ground, flush, orange nylon face, back and side wired.	—	IG4560	—
Single, Isolated ground, flush, orange, spring termination	IG4710ST	—	—
Single, black nylon face mounted on a 4" (101.6) round box cover, back and side wired.	HBL4711	—	HBL4761
Single, panel mount, black nylon face, side wired only, 1.75" or 1.937" (44.5 or 49.2) mounting centers.	—	—	HBL4763
Single, panel mount, black face, spring termination, 1.75" or 1.937" (44.5 or 49.2) mounting centers.	HBL4713ST	HBL4563ST	—

Note: See page C-50 for accessories..

Flanged Receptacles

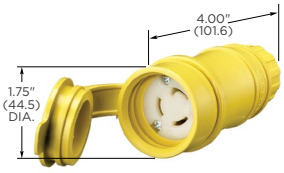
Description	Catalog Number		
Insulgrip flanged receptacle, nylon casing, back wired.	HBL4715C	HBL4585C	HBL4785C
Stainless steel casing, brown phenolic.	HBL4715	HBL4585	HBL4785
Corrosion resistant, stainless steel casing, yellow melamine.	HBL47CM15	—	—

Note: See pages C-50 and C-51 for accessories.
HP ratings are AC only.
RTP is an abbreviation for reinforced thermoplastic polyester.
See Section O for additional information on isolated ground devices.
**Supplied with break-off tabs for split circuit wiring.*
***Watertight connector body IP55 suitability when closure plug is inserted or when installed and used properly with watertight plug.*

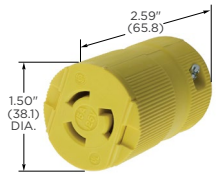


HBL4729C


HBL4729CBK



HBL25W47



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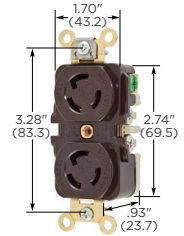
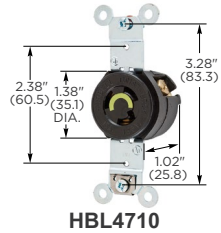
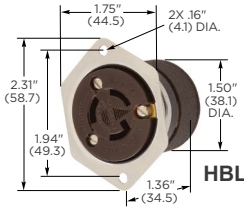


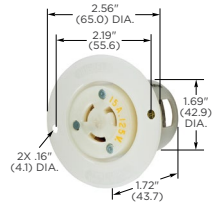
HBL4700



HBL4710



HBL4715



HBL4715C

Dimensions in Inches (mm)

Insulgrip® 20 and 30 Amp Plugs and Connector Bodies

Features and Benefits

Our 20 and 30 amp Insulgrip plugs and connectors maintain Hubbell's classic integrity, solid construction and safety features that make these devices the "industry standard".

Insulgrip's cord gripping design clamps the conductors, not just the cable jacket, making it the industry's most powerful cord grip. The cord grips also provide a clean, one-piece look and makes it stronger.

Insulgrip's design guards against contamination. The nylon body and housing of the plugs and connectors are resistant to industrial chemicals, solvents and hydrocarbons. The face of each plug is molded specific to the blade configuration, eliminating holes that attract debris. And finally, our dust shield provides additional protection from contamination.

Additional features that make Insulgrip the industry standard are our improved contacts that provide better terminations, an exclusive single contact design for the female contacts and an easy to read identification system.

The Hubbell Twist-Lock line of plugs and connectors remain the broadest in the industry. Hubbell has you covered – proven performance, innovation and selection.

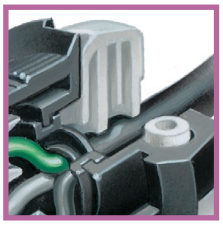






Housing Design

- Tough ribbed nylon housing for secure gripping
- Insulated nylon construction to keep non-current carrying parts from becoming energized



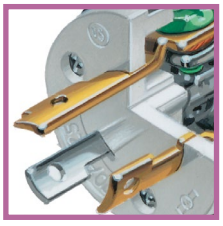
Internal Design

- Integral dust shield protects wiring chamber from dust or contaminants
- Single-piece shield/housing eliminates need for separate step at installation
- Wiring chambers separate and positively insulate conductors and promote easy inspection



Cord Range

- Two-part cord grip tightens with two screws for maximum retention force
- Broad gripping area to accommodate wide range of cable diameters



Assembly

- Self-threading screws specially designed for secure assembly



Identification

- Product identification is visible while device is in use
- Markings include catalog number and ratings printed in the IEC color scheme on the current-carrying portion of the device



Contacts

- Improved terminations include #10 multiple drive screws and thicker .080 inch clamping nuts
- Funneled holes to permit "straight-in" conductor insertion
- Contoured binding plates ensures strong wire retention

Features and Benefits

Twist-Lock receptacles combine functional design features, unparalleled quality to deliver ultimate performance.

The high-impact nylon face of each Hubbell Twist-Lock receptacle has a colored ring. Keyed to an internationally recognized color coding scheme, this ring enables mating devices to be matched quickly. It's just one more example of user-oriented thinking at Hubbell.

The terminals in each Hubbell Twist-Lock receptacle are mechanically and electrically the finest available. These terminals incorporate unique design features to contain and hold conductors, including an external back wiring "wraparound" clamp, a wire restraint recess and more.

The materials used in every receptacle are of the highest quality. The all brass mounting system provides a safer, lower resistance ground path than those made of steel. The thick wall base is constructed of an engineered thermoplastic to offer the benefits of a thermoset, yet with much greater impact resistance.

Hubbell Twist-Lock Receptacles: Voltage color coding on the outside. Proven designs and quality materials on the inside. Any way you look at them, they are the standard of the industry.



125V


250V


277V


480V

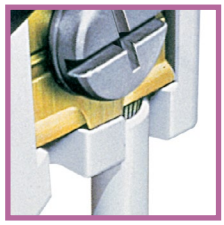

600V


125/250V



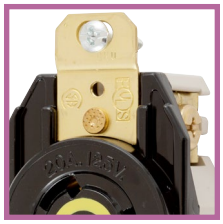
Housing Design

- High-impact, abuse-resistant nylon face
- Glass-Reinforced thermoplastic base (PBT) has the desirable characteristics of a thermoset material, including heat, flame resistance and dimensional stability; the impact resistance it provides, however, is much greater than that of a thermoset



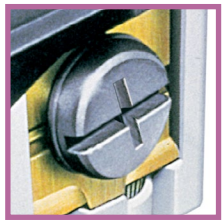
Wiring Design

- Wire restraint recess for both back and side wiring, greatly reduces the possibility of loosening the terminal connection



Mounting Strap

- All-brass mounting and grounding system provides a lower resistance ground path and greater resistance to corrosion than steel mounting systems



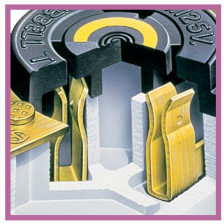
Terminals

- #10 brass terminal screw provides greater strength and resistance to corrosion and stripping
- Anti-rotational clamp has a stop to limit the amount of cocking when only one side is used; accommodates both back and side wiring



Identification

- Face color coding by voltage facilitates locating and mating of proper devices
- Boss diameter is 1.562 inch on 20A and 30A devices for simplifying installation and accessory selection



Contacts

- One-piece contact with long spring arm (low stress) and oxide cutting nibs: prevents stress and overheating associated with riveted contact and short spring arms

Watertight Safety-Shroud® Twist-Lock® System

Features and Benefits

- Virtually eliminates bent and broken plug blades, leading to longer equipment life
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades
- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies
- Reduces exposure to arcing when connecting or disconnecting plugs under load
- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147



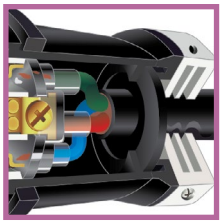


Note: Works with Mechanical Interlocks, see page C-47 for additional information.



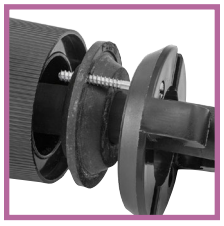
Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavy duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



Assembly

- Cord grip screw recess minimizes screwdriver slippage
- All screws are #10 multiple drive head



Cord Range

- Assorted TPE seal glands can accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO
- Sealing gland and thermoplastic guard assure sealing when fully connected



Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy duty industrial environments
- Mounting screw recesses minimize screwdriver slippage
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices



Identification

- Catalog number and color-coded voltage rating are easily visible even when in use
- Alignment arrows and lock and unlock symbols provide a visual indication that devices are properly connected



Spring-Loaded Cover

- One-step, push-to-close, spring-loaded cover with latch allows for fast opening and closing of lift cover
- Result: environmental sealing is assured

Features and Benefits

- Mates with most NEMA locking connector bodies
- Virtually eliminates bent and broken plug blades
- Provides protection for personnel by reducing chance of inadvertent contact with blades when connecting or disconnecting energized devices
- Reduces exposure to arcing when connecting or disconnecting under load
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades
- Complies with California Code of Regulation, which requires shrouding for devices exceeding 300 volts
- Lockout/tagout hole allows compliance to OSHA regulation 29 CFR 1910.147
- Allows engagement with Mechanical Interlock Enclosure which virtually prevents make and break under load

Note: All screws are #10 multiple drive head. Works with Mechanical Interlocks, see page C-47 for additional information.







Housing Design

- Impact resistant shroud made of engineered thermoplastic protects blades against bending or breaking



Housing Design

- Engineered thermoplastic housing is impact and corrosion resistant, making it suitable for heavy duty industrial environments
- Accepts conventional NEMA locking plugs



Safety

- External keying on plug devices allows quick mating of devices
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147



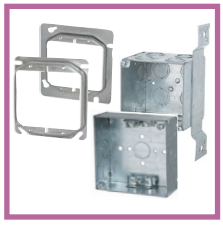
Safety-Shroud Twist-Lock Receptacles

- The Safety-Shroud Twist-Lock single gang receptacles were designed to mount in virtually all standard and FS/FD type boxes, allowing easy conversion of existing NEMA locking receptacles to Safety-Shroud Twist-Lock receptacles



Identification

- Catalog number and color-coded voltage rating are visible even when in use
- Alignment arrows with lock and unlock symbols provide a visual indication that devices are properly connected



Boxes Available

- The semi-flush receptacles can be installed onto 4″ or 4-11/16″ square steel wall boxes, which are 2-1/8″ deep with 1 or 2-gang 1/2″ raised device mud rings; see catalog Section Z for more information.

Compatibility and Environmental Protection Chart

	Twist-Lock Receptacles					Twist-Lock Connector Bodies	
							
	Watertight Safety-Shroud	Watertight Safety-Shroud Mechanical Interlock Enclosure	Safety-Shroud	Switched Enclosure	NEMA	Watertight Safety-Shroud	Insulgrip
Twist-Lock Plugs							
Watertight Safety-Shroud 	YES Type 4X, Type 12	YES Type 4X, Type 12K	YES Type 1	NO	NO	YES Type 4X, Type 12	YES Type 1
Safety-Shroud 	YES Type 1	YES Type 1	YES Type 1	NO	NO	YES Type 1	YES Type 1
Insulgrip 	YES Type 1	NO	YES Type 1	YES Type 3R	YES Type 1	YES Type 1	YES Type 1
Twist-Lock Inlets							
NEMA 	NA	NA	NA	NA	NA	NO	YES Type 1
Watertight Safety-Shroud 	NA	NA	NA	NA	NA	YES Type 4X, Type 12	YES Type 1

Type 1	Indoor
Type 3R	Raintight
Type 4X	Hose-directed water and corrosion resistant
Type 12	Dust tight, drip-proof without knockouts
Type 12K	Dust tight, drip-proof with knockouts
YES	Interchangeable
NO	Does not interchange
NA	Not Applicable

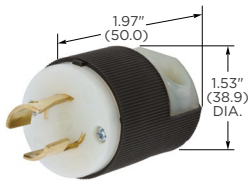
Note: See Technical section for full description of enclosure types.

20 Amp, 250 Volts 2 Pole, 2 Wire, Non-Grounding

Plugs

Description	Cord Dia.	20A 250V NEMA L2-20P 2 HP Catalog Number
Black and white nylon, polarized, multiple drive screws.	.220"-.720" (5.6-18.3)	HBL7102C

Note: See page C-51 for accessories.

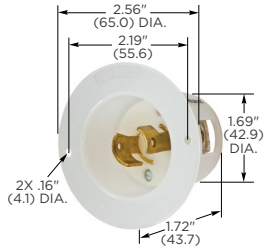


HBL7102C

Flanged Inlets

Description	Catalog Number
Nylon casing, back wired, polarized, multiple drive screws.	HBL8815C

Note: See page C-50 for accessories.



HBL8815C

Connector Bodies

Description	Cord Dia.	20A 250V NEMA L2-20R 2 HP Catalog Number
Black and white nylon, multiple drive screws.	.220"-.720" (5.6-18.3)	HBL7101C

Note: See page C-51 for accessories.

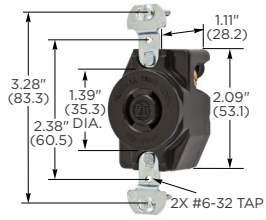


HBL7101C

Receptacles

Description	Catalog Number
Single, black phenolic.	HBL7210B
Single, mounted on 4" (101.6) round box cover, black phenolic.	HBL7217B

Note: See pages C-50 and C-51 for accessories.



HBL7210B

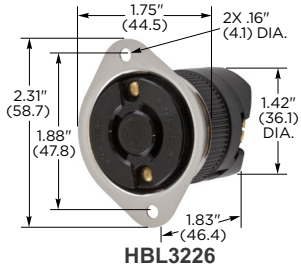
Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, back wired, multiple drive screws.	HBL8809C
Metal flange, stainless steel casing, black phenolic, exposed terminals.	HBL3226

Note: See pages C-50 and C-51 for accessories. Only receptacles and plugs are HP rated. HP ratings are AC only.



HBL8809C



HBL3226

Dimensions in Inches (mm)

20A Twist-Lock Devices

20 Amp, 125, 250 Volts and 277 Volts AC 2 Pole, 3 Wire, Grounding



20A 125V NEMA L5-20P 1 HP	20A 250V NEMA L6-20P 2 HP	20A 277V AC NEMA L7-20P 2 HP

Fed. Spec.

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4X, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox clamps.	.360"-.930" (9-24)	HBL2311SW	HBL2321SW	HBL2331SW

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox shroud. Can be used with the Insulgrip® Connector Bodies.	.360"-.930" (9-24)	HBL2311S	HBL2321S	HBL2331S

Insulgrip

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	HBL2311	HBL2321	HBL2331
Black and white nylon, spring termination.	.360"-.930" (9-24)	HBL2311ST	HBL2321ST	HBL2331ST
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	HBL23CM11	HBL23CM21	—
All black nylon.	.360"-.930" (9-24)	HBL2311BK	HBL2321BK	—
All black nylon, spring termination.	.360"-.930" (9-24)	HBL2311STBK	HBL2321STBK	—
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	HBL2311EBK	HBL2321EBK	—

Note: See page C-53 for accessories.

Valise®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Yellow nylon.	.325"-.720" (8.26-18.3)	HBL2311VY	HBL2321VY	HBL2331VY
Corrosion resistant, yellow nylon.	.325"-.720" (8.26-18.3)	HBL23CM11V	—	—
Black nylon.	.325"-.720" (8.26-18.3)	HBL2311VBK	HBL2321VBK	HBL2331VBK

Note: See page C-53 for accessories.

Flanged Inlets

Watertight Safety-Shroud

IP66 SUITABILITY — UL Type 4X, 12

Description	Catalog Number		
Gray Valox housing and flange.	HBL2315SW	HBL2325SW	HBL2335SW
Gray Valox housing and flange, reverse service (not shown).	—	HBL2325SWR	—

Note: See page C-54 for accessories.

Insulgrip

IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	HBL2315	HBL2325	HBL2335
Nylon casing, spring termination.	HBL2315ST	HBL2325ST	HBL2335ST

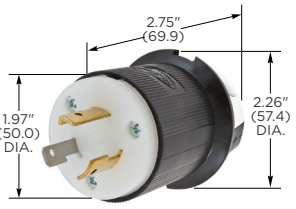
Note: See page C-52 for accessories.
See pages C-69 and C-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.
See page C-74 for technical information on Valise® plugs and connectors.



HBL2321SW



HBL2321S



HBL2311



HBL2311ST



HBL2325SW

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

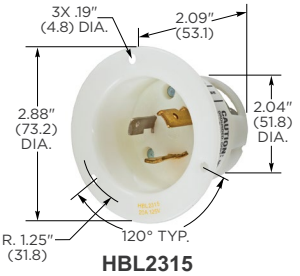
Dimensions in Inches (mm)



HBLMITL - For use with Watertight Safety-Shroud receptacles, see page C-48.



HBL2315ST



HBL2315

20 Amp, 125, 250 Volts and 277 Volts AC 2 Pole, 3 Wire, Grounding



20A 125V NEMA L5-20R 1 HP	20A 250V NEMA L6-20R 2 HP	20A 277V AC NEMA L7-20R 2 HP

Fed. Spec.

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4X, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox clamps.	.360"-.930" (9-24)	HBL2313SW	HBL2323SW	HBL2333SW

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	HBL2313	HBL2323	HBL2333
Black and white nylon, spring termination.	.360"-.930" (9-24)	HBL2313ST	HBL2323ST	HBL2333ST
Spring termination, all black.	.360"-.930" (9-24)	HBL2313STBK	HBL2323STBK	—
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	HBL23CM13	HBL23CM23	—
All black nylon.	.360"-.930" (9-24)	HBL2313BK	HBL2323BK	—
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	HBL2313EBK	HBL2323EBK	—

Note: See pages C-52 and C-53 for accessories.

Valise®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Yellow nylon.	.325"-.720" (8.26-18.3)	HBL2313VY	HBL2323VY	—
Black nylon.	.325"-.720" (8.26-18.3)	HBL2313VBK	HBL2323VBK	HBL2333VBK

Note: See page C-53 for accessories.

Receptacles

Watertight Safety-Shroud

IP66 SUITABILITY — UL Type 4X, 12

Description	Catalog Number		
Gray Valox housing and flange, back wired.	HBL2310SW	HBL2320SW	HBL2330SW

Note: See page C-54 for accessories.

Safety-Shroud Twist-Lock

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox angle housing, one gang, back wired.	HBL2310AR	HBL2320AR	HBL2330AR
Gray Valox surface mounting, one gang, back wired.	HBL2310SR	HBL2320SR	HBL2330SR
Gray Valox semi-flush, two gang, back wired.	HBL2310SR2	HBL2320SR2	HBL2330SR2

Single Flush Receptacles

IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	HBL2310	HBL2320	HBL2330
Black nylon face, spring terminals.	HBL2310ST	HBL2320ST	HBL2330ST
Blue nylon face, back and side wired.	HBL2310M7	HBL2320M4	—
Red nylon face, spring terminals.	HBL2310STR	HBL2320STR	—
Isolated ground, orange nylon face, back and side wired.	IG2310	IG2320	—
Isolated ground, orange nylon face, spring termination.	IG2310ST	—	—
Corrosion resistant, yellow nylon face, back and side wired.	HBL23CM10	—	—
Ring terminal connection.	HBL2310RT	HBL2320RT	—

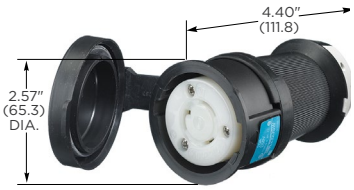
Note: See page C-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	HBL2316	HBL2326	HBL2336
Nylon casing, back wire, spring termination.	HBL2316ST	HBL2326ST	—

Note: See page C-52 for accessories.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

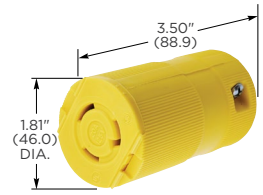


HBL2323SW



HBL2313

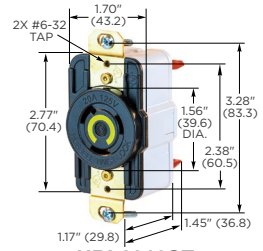

HBL2313ST



HBL2313VY



HBL2320SW



HBL2310ST



HBL2320SR

Dimensions in Inches (mm)

20A Twist-Lock Devices

20 Amp, 125/250, 3Ø 250 and 3Ø 480 Volts AC 3 Pole, 4 Wire, Grounding



20A 125/250V AC NEMA L14-20P 2 (1) HP	20A 3Ø 250V AC NEMA L15-20P 3 HP	20A 3Ø 480V AC NEMA L16-20P 5 HP

Fed. Spec.

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4X, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox clamps.	.350"-1.150" (9-29)	HBL2411SW	HBL2421SW	HBL2431SW

Safety-Shroud

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox shroud. Can be used with the Insulgrip® Connector Bodies.	.350"-1.150" (9-29)	HBL2411S	HBL2421S	HBL2431S

Note: See page C-48 for accessories.

Insulgrip

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2411	HBL2421	HBL2431
Black and white nylon, spring termination.	.350"-1.150" (9-29)	HBL2411ST	HBL2421ST	HBL2431ST
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL24CM11	HBL24CM21	HBL24CM31
All black nylon.	.350"-1.150" (9-29)	HBL2411BK	—	—
All black nylon, spring termination.	.350"-1.150" (9-29)	HBL2411STBK	—	—

Note: See page C-53 for accessories.

Flanged Inlets

Watertight Safety-Shroud

IP66 SUITABILITY — UL Type 4X, 12

Description	Catalog Number		
Gray Valox housing and flange.	HBL2415SW	HBL2425SW	HBL2435SW

Note: See page C-54 for accessories.

Insulgrip

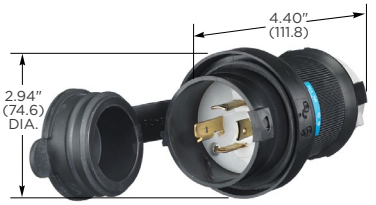
IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	HBL2415	HBL2425	HBL2435
Nylon casing, spring termination.	HBL2415ST	HBL2425ST	HBL2435ST

Note: See page C-53 for accessories.
See pages C-69 and C-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.



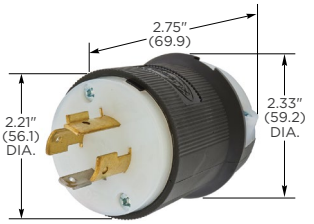
HBLMITL - For use with Watertight Safety-Shroud receptacles, see page C-48.



HBL2421SW



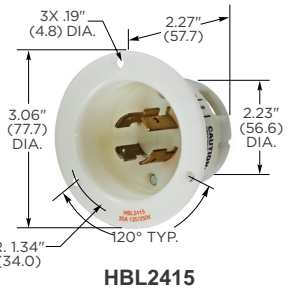
HBL2421S



HBL2411



HBL2425SW



HBL2415

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

20 Amp, 125/250, 3Ø 250 and 3Ø 480 Volts AC 3 Pole, 4 Wire, Grounding



20A 125/250V AC NEMA L14-20R 2 (1) HP	20A 3Ø 250V AC NEMA L15-20R 3 HP	20A 3Ø 480V AC NEMA L16-20R 5 HP

Fed. Spec.

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4X, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox clamps.	.350"-1.150" (9-29)	HBL2413SW	HBL2423SW	HBL2433SW

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2413	HBL2423	HBL2433
Black and white nylon, spring termination.	.350"-1.150" (9-29)	HBL2413ST	HBL2423ST	HBL2433ST
Spring termination, all black.	.350"-1.150" (9-29)	HBL2413STBK	—	—
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL24CM13	HBL24CM23	HBL24CM33
All black nylon.	.350"-1.150" (9-29)	HBL2413BK	—	—

Note: See pages C-52 and C-53 for accessories.

Receptacles

Watertight Safety-Shroud

IP66 SUITABILITY — UL Type 4X, 12

Description	Catalog Number		
Gray Valox housing and flange, back wired.	HBL2410SW	HBL2420SW	HBL2430SW

Note: See page C-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox angle housing, one gang, back wired.	HBL2410AR	HBL2420AR	HBL2430AR
Gray Valox surface mounting, one gang, back wired.	HBL2410SR	HBL2420SR	HBL2430SR
Gray Valox semi-flush, two gang, back wired.	HBL2410SR2	HBL2420SR2	HBL2430SR2

Single Flush Receptacles

IP20 SUITABILITY

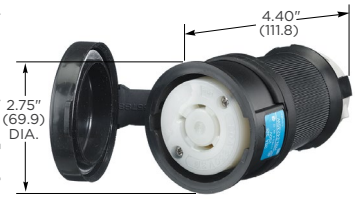
Description	Catalog Number		
Black nylon face, back and side wired.	HBL2410	HBL2420	HBL2430
Black and white nylon, spring termination.	HBL2410ST	HBL2420ST	HBL2430ST
Isolated ground, orange nylon face, back and side wired.	IG2410	IG2420	—
Isolated ground, spring termination.	—	IG2420ST	—
Ring terminal connection.	HBL2410RT	HBL2420RT	—

Note: See page C-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	HBL2416	HBL2426	HBL2436
Nylon casing, back wire, spring terminatio.	HBL2416ST	HBL2426ST	HBL2436ST

Note: See page C-52 for accessories.

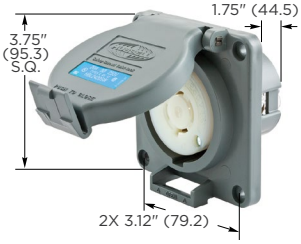


HBL2423SW

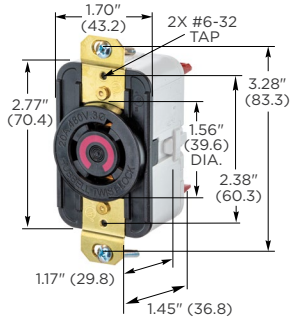


HBL2413

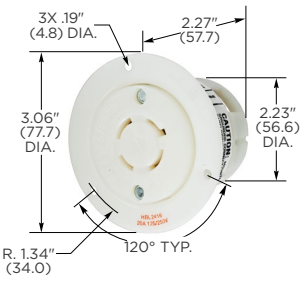

HBL2413ST



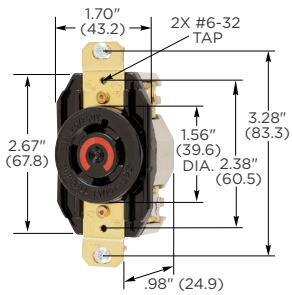
HBL2420SW



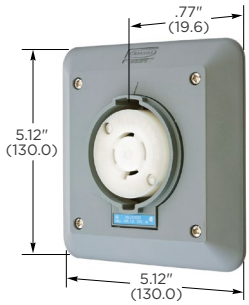
HBL2430ST



HBL2416



HBL2410



HBL2420SR2



HBL2420SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

20A Twist-Lock Devices

20 Amp, 347, 480, 600 and 125/250 Volts AC, 2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding

Fed. Spec.

IP20 SUITABILITY

Plugs

Description	Cord Dia.	20A 347V AC NEMA L24-20P	20A 480V AC NEMA L8-20P 3 HP	20A 600V AC NEMA L9-20P	20A 125/250V AC NEMA L10-20P 2 (1) HP
		Catalog Number			
Black and white nylon.	.360"-.930" (9-24)	HBL3721	HBL2341	HBL2351	—
Black and white nylon, spring termination.	.360"-.930" (9-24)	—	HBL2341ST	—	—
Black and white nylon (not shown).	.300"-1.050" (7.6-26.7)	—	—	—	HBL2361

Note: See page C-48 for accessories.

Flanged Inlets

Description	20A 347V AC NEMA L24-20P	20A 480V AC NEMA L8-20P 3 HP	20A 600V AC NEMA L9-20P	20A 125/250V AC NEMA L10-20P 2 (1) HP
	Catalog Number			
Nylon casing, back wired.	HBL3725	HBL2345	HBL2355	HBL2365
Nylon casing, spring termination.	—	HBL2345ST	—	—

Note: See page C-53 for accessories.

IP20 SUITABILITY

Connector Bodies

Description	Cord Dia.	20A 347V AC NEMA L24-20R	20A 480V AC NEMA L8-20R 3 HP	20A 600V AC NEMA L9-20R	20A 125/250V AC NEMA L10-20R 2 (1) HP
		Catalog Number			
Black and white nylon.	.360"-.930" (9-24)	HBL3723	HBL2343	HBL2353	—
Black and white nylon, spring termination.	.360"-.930" (9-24)	—	HBL2343ST	—	—
Black and white nylon (not shown).	.300"-1.050" (7.6-26.7)	—	—	—	HBL2363

Note: See pages C-52 and C-53 for accessories.

Single Flush Receptacles

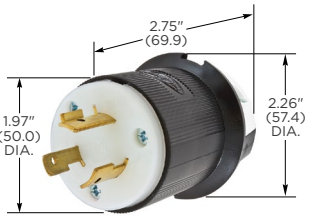
Description	20A 347V AC NEMA L24-20R	20A 480V AC NEMA L8-20R 3 HP	20A 600V AC NEMA L9-20R	20A 125/250V AC NEMA L10-20R 2 (1) HP
	Catalog Number			
Black nylon face, back and side wired.	HBL3720	HBL2340	HBL2350	HBL2360
Watertight Safety-Shroud®, gray Valox® housing and flange, back and side wired (not shown).	—	HBL2340SW	—	—
Isolated ground, orange nylon face, back and side wired.	—	IG2340	—	—

Note: See page C-52 for accessories.

Flanged Receptacles

Description	20A 347V AC NEMA L24-20R	20A 480V AC NEMA L8-20R 3 HP	20A 600V AC NEMA L9-20R	20A 125/250V AC NEMA L10-20R 2 (1) HP
	Catalog Number			
Nylon casing, back wired.	HBL3726	HBL2346	HBL2356	HBL2366

Note: See page C-52 for accessories.
See page C-69 for technical information.
See page C-45 for switched enclosure.
See page C-49 for Add-A-Shroud® kit. For use with connector bodies.
Only receptacles and plugs up to 480V AC are HP rated.
HP ratings are AC only.



HBL2341

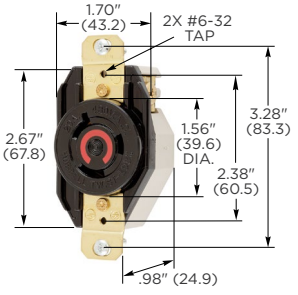

HBL2341ST



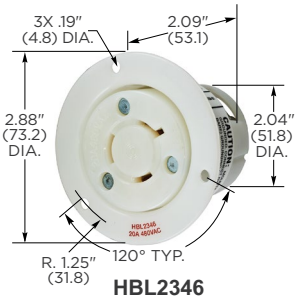
HBL2345



HBL2343



HBL2340



HBL2346

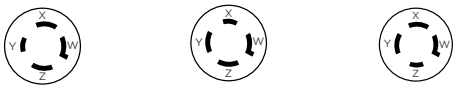
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC, 4 Pole, 4 Wire, Non-Grounding

Fed. Spec.

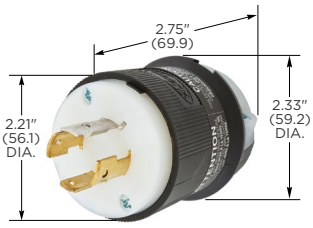
IP20 SUITABILITY



Plugs

Description	Cord Dia.	20A 3ØY 120/208V AC NEMA L18-20P 2 HP	20A 277/480V AC NEMA L19-20P 5 HP	20A 347/600V AC NEMA L20-20P
		Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2441	HBL2451	HBL2461

Note: See page C-53 for accessories.

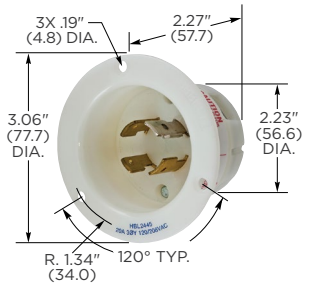


HBL2441

Flanged Inlets

Description	Catalog Number		
Nylon casing, back wired.	HBL2445	HBL2455	HBL2465

Note: See page C-52 for accessories.



HBL2445

IP20 SUITABILITY



Connector Bodies

Description	Cord Dia.	20A 3ØY 120/208V AC NEMA L18-20R 2 HP	20A 277/480V AC NEMA L19-20R 5 HP	20A 347/600V AC NEMA L20-20R
		Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2443	HBL2453	HBL2463

Note: See pages C-52 and C-53 for accessories.

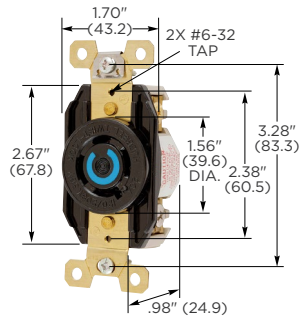


HBL2443

Single Flush Receptacles

Description	Catalog Number		
Black nylon face, back and side wired.	HBL2440	HBL2450	HBL2460

Note: See page C-52 for accessories.

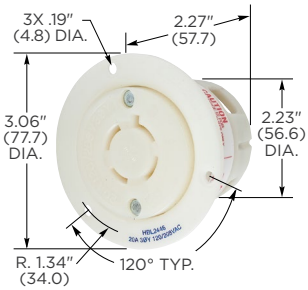


HBL2440

Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	HBL2446	HBL2456	HBL2466

Note: See page C-52 for accessories.
See page C-69 for technical information.
See page C-45 for switched enclosure.
See page C-49 for Add-A-Shroud® kit. For use with connector bodies.
Only receptacles and plugs up to 480V AC are HP rated.
HP ratings are AC only.



HBL2446

Dimensions in Inches (mm)

20A Twist-Lock Devices

20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC, 4 Pole, 5 Wire, Grounding





20A 3ØY 120/208V AC NEMA L21-20P 2 HP	20A 3ØY 277/480V AC NEMA L22-20P 5 HP	20A 3ØY 347/600V AC NEMA L23-20P

Fed. Spec.

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4X, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox clamps.	.350"-1.150" (9-29)	HBL2511SW	—	—



HBL2511SW

Safety-Shroud

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox shroud. Can be used with the Insulgrip® Connector Bodies.	.350"-1.150" (9-29)	HBL2511S	—	—

Note: See page C-48 for accessories.



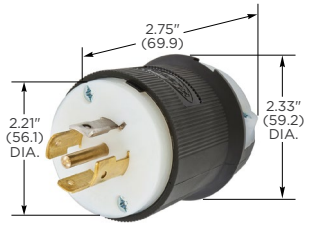
HBL2511S

Insulgrip

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2511	HBL2521	HBL2531
Black and white nylon, spring termination.	.350"-1.150" (9-29)	HBL2511ST	HBL2521ST	—
All black nylon.	.350"-1.150" (9-29)	HBL2511BK	—	—
All black nylon, spring termination.	.350"-1.150" (9-29)	HBL2511STBK	—	—
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL25CM11	—	—
Black and white for flat cable.	.350"-1.150" (9-29)	HBL2511FC	—	—

Note: See page C-53 for accessories.



HBL2511

Flanged Inlets

Watertight Safety-Shroud

IP66 SUITABILITY — UL Type 4X, 12

Description	Catalog Number		
Gray Valox housing and flange.	HBL2515SW	—	—

Note: See page C-52 for accessories.

Insulgrip

IP20 SUITABILITY

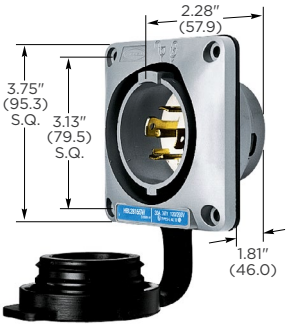
Description	Catalog Number		
Nylon casing, back wired.	HBL2515	HBL2525	HBL2535
Nylon casing, spring termination.	HBL2515ST	HBL2525ST	—

Note: See page C-52 for accessories. See pages C-69 and C-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.

Twist-Lock 3-Phase Circuit Tester

Description	Rating	Catalog Number		
3-Phase Circuit Tester.	3Ø 120/208V AC Min. Voltage: 90V AC	HBL3PT2511	—	—

Note: Testers in other NEMA configurations can be developed upon request. See page C-52 for additional circuit testers.



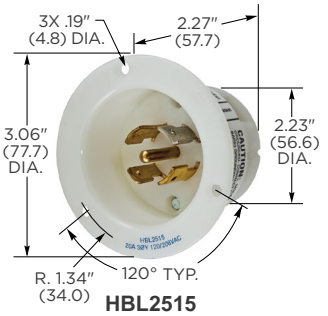
HBL2515SW



HBLMITL - For use with Watertight Safety-Shroud receptacles, see page C-48.



HBL3PT2511



HBL2515

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

20 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC, 4 Pole, 5 Wire, Grounding



20A 3ØY 120/208V AC NEMA L21-20R 2 HP	20A 3ØY 277/480V AC NEMA L22-20R 5 HP	20A 3ØY 347/600V AC NEMA L23-20R

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox clamps.	.350"-1.150" (9-29)	HBL2513SW	—	—

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2513	HBL2523	HBL2533
Black and white nylon, spring termination.	.350"-1.150" (9-29)	HBL2513ST	HBL2523ST	—
Spring termination, all black.	.350"-1.150" (9-29)	HBL2513STBK	—	—
All black nylon.	.350"-1.150" (9-29)	HBL2513BK	—	—
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL25CM13	—	—
Black and white for flat cable.	.350"-1.150" (9-29)	HBL2513FC	—	—

Note: See pages C-52 and C-53 for accessories.

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4x, 12

Description	Catalog Number		
Gray Valox housing and flange, back wired.	HBL2510SW	—	—

Note: See page C-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox angle housing, one gang, back wired.	HBL2510AR	—	—
Gray Valox surface mounting, one gang, back wired.	HBL2510SR	—	—
Gray Valox semi-flush, two gang, back wired.	HBL2510SR2	—	—

Single Flush Receptacles

IP20 SUITABILITY

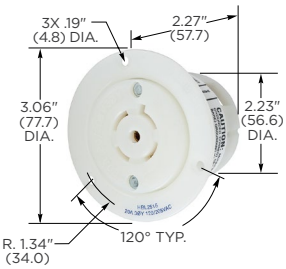
Description	Catalog Number		
Black nylon face, back and side wired.	HBL2510	HBL2520*	HBL2530*
Black and white nylon, spring termination.	HBL2510ST	HBL2520ST	—
Isolated ground, orange nylon face, back and side wired.	IG2510	—	—

*Note: See page C-52 for accessories. *Not Fed Spec.*

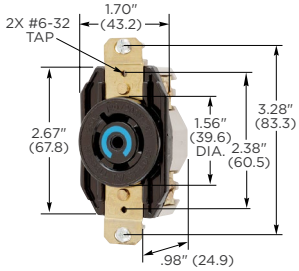
Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	HBL2516	HBL2526	HBL2536
Nylon casing, back wire, spring termination.	HBL2516ST	HBL2526ST	—
Black nylon casing, back wire, spring termination.	HBL2516STBK	—	—

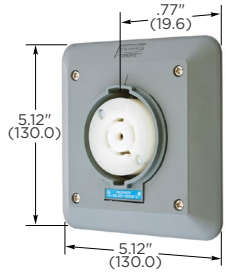
Note: See page C-52 for accessories.



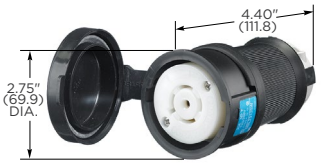
HBL2516



HBL2510



HBL2510SR2



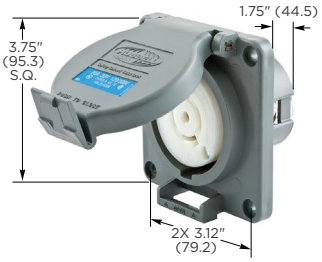
HBL2513SW



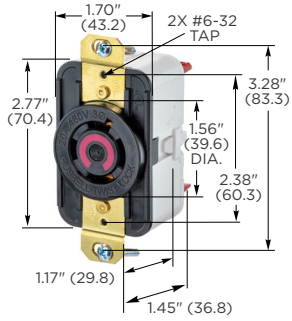
HBL2513



HBL2513ST



HBL2510SW



HBL2520ST



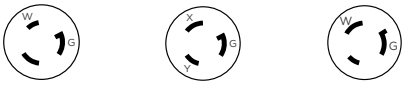
HBL2510SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

30A Twist-Lock Devices

30 Amp, 125, 250 Volts and 277 Volts AC, 2 Pole, 3 Wire, Grounding



30A 125V NEMA L5-30P 2 HP	30A 250V NEMA L6-30P 2 HP	30A 277V AC NEMA L7-30P 3 HP

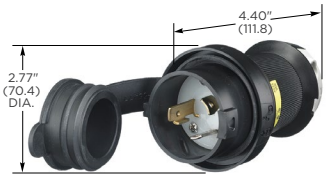
Fed. Spec.

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4X, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox clamps.	.325"-.930" (9-24)	HBL2611SW	HBL2621SW	—



HBL2611SW

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon body, white Valox shroud. Can be used with the Insulgrip® Connector Bodies.	.360"-.930" (9-24)	HBL2611S	HBL2621S	—

Note: See page C-48 for accessories.



HBL2621S

Insulgrip

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	HBL2611	HBL2621	HBL2631
Black and white nylon, spring termination.	.360"-.930" (9-24)	HBL2611ST	HBL2621ST	—
Heat stabilized, gray nylon, 220° F (104° C).	.360"-.930" (9-24)	HBL2611F	HBL2621F	—
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	HBL26CM11	HBL26CM21	—
All black nylon.	.360"-.930" (9-24)	HBL2611BK	HBL2621BK	—
All black nylon, spring termination.	.360"-.930" (9-24)	HBL2611STBK	HBL2621STBK	—
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	—	HBL2621EBK	—

Note: See page C-53 for accessories.



HBL2621

Valise®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Yellow nylon.	.590"-.930" (15.0-23.6)	HBL2611VY	HBL2621VY	—
Corrosion resistant, yellow nylon.	.590"-.930" (15.0-23.6)	HBL26CM11V	—	—
Black nylon.	.590"-.930" (15.0-23.6)	HBL2611VBK	HBL2621VBK	—

Note: See page C-53 for accessories.



HBL2611ST

Flanged Inlets

Watertight Safety-Shroud

IP66 SUITABILITY — UL Type 4X, 12

Description	Catalog Number		
Gray Valox housing and flange.	HBL2615SW	HBL2625SW	—
Reverse service, gray Valox housing and flange (use with HBL2613SR) (not shown).	HBL2615SWR	—	—

Note: See page C-54 for accessories.



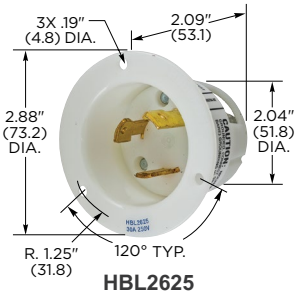
HBL2615SW

Insulgrip

IP20 SUITABILITY

Description	Catalog Number		
Nylon casing, back wired.	HBL2615	HBL2625	HBL2635
Nylon casing, spring termination.	HBL2615ST	HBL2625ST	—
Heat stabilized, gray nylon, 220° F (104° C).	HBL2615F	HBL2625F	—
Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover.	HBL2615M3	—	—

Note: See page C-52 for accessories.
See pages C-69 and C-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.
See page C-74 for technical information on Valise plugs and connectors.



HBL2625

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

30 Amp, 125, 250 Volts and 277 Volts AC, 2 Pole, 3 Wire, Grounding



30A 125V NEMA L5-30R 2 HP	30A 250V NEMA L6-30R 2 HP	30A 277V AC NEMA L7-30R 3 HP

Fed. Spec.

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4X, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox clamps.	.360"-.930" (9-24)	HBL2613SW	HBL2623SW	—
Reverse service, black Valox housing, white Valox clamps (use with HBL2615SWR) (not shown).	.360"-.930" (9-24)	HBL2613SR	—	—

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.360"-.930" (9-24)	HBL2613	HBL2623	HBL2633
Black and white nylon, spring termination.	.360"-.930" (9-24)	HBL2613ST	HBL2623ST	—
Spring termination, all black.	.360"-.930" (9-24)	HBL2613STBK	HBL2623STBK	—
Heat stabilized, gray nylon, 220° F (104° C).	.360"-.930" (9-24)	HBL2613F	HBL2623F	—
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	HBL26CM13	HBL26CM23	—
All black nylon.	.360"-.930" (9-24)	HBL2613BK	HBL2623BK	—

Note: See page C-53 for accessories.

Valise®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Yellow nylon.	.590"-.930" (15.0-23.6)	HBL2613VY	HBL2623VY	—
Corrosion resistant, yellow nylon.	.590"-.930" (15.0-23.6)	HBL26CM13V	—	—
Black nylon.	.590"-.930" (15.0-23.6)	HBL2613VBK	HBL2623VBK	—
Cord clamps with removable inserts. All black nylon.	.360"-.930" (9-24)	—	HBL2623EBK	—

Note: See page C-53 for accessories.

Receptacles

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4X, 12

Description	Catalog Number		
Gray Valox housing and flange, back wired.	HBL2610SW	HBL2620SW	—

Note: See page C-54 for accessories.

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox angle housing, one gang, back wired.	HBL2610AR	HBL2620AR	—
Gray Valox surface mounting, one gang, back wired.	HBL2610SR	HBL2620SR	—
Gray Valox semi-flush, two gang, back wired.	HBL2610SR2	HBL2620SR2	—

Single Flush Receptacles

IP20 SUITABILITY

Description	Catalog Number		
Black nylon face, back and side wired.	HBL2610	HBL2620	HBL2630
Black nylon face, spring terminals.	HBL2610ST	HBL2620ST	—
Blue nylon face, back and side wired.	HBL2610M6	HBL2620M6	—
Isolated ground, orange nylon face, back and side wired.	IG2610	IG2620	—
Isolated ground, orange nylon face, spring termination.	IG2610ST	IG2620ST	—
Corrosion resistant, yellow nylon face, back and side wired.	HBL26CM10	HBL26CM20	—
Ring terminal connection.	HBL2610RT	HBL2620RT	—

Note: See page C-52 for accessories.

Insulgrip® Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	HBL2616	HBL2626	HBL2636
Nylon casing, back wire, spring termination.	HBL2616ST	HBL2626ST	—
Heat stabilized, gray nylon, 220° F (104° C).	HBL2616F	HBL2626F	—

Note: See page C-52 for accessories.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.



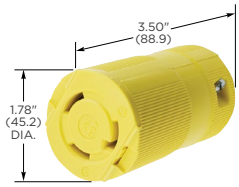
HBL2613SW



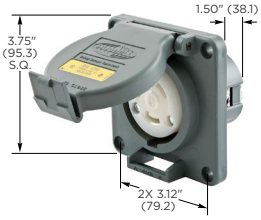
HBL2623



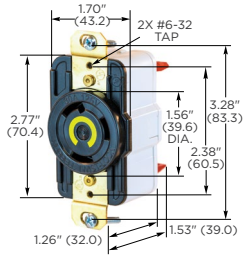
HBL2613ST



HBL2613VY



HBL2610SW



HBL2610ST



HBL2620SR

Dimensions in Inches (mm)

30A Twist-Lock Devices

30 Amp, 125/250 and 3Ø 250 Volts AC, 3 Pole, 3 Wire, Non-Grounding and 3 Pole, 4 Wire, Grounding

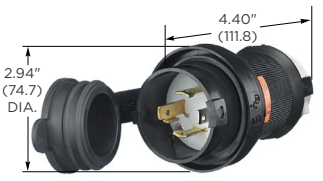
Fed. Spec.

Plugs

	30A 125/250V AC NEMA L10-30P	30A 125/250V AC NEMA L14-30P 2 (2) HP	30A 3Ø 250V AC NEMA L15-30P 3 HP
Watertight Safety-Shroud®	IP66 SUITABILITY		UL Type 4X, 12
Description: Black Valox® housing, white Valox clamps. Cord Dia.: .350"-1.150" (9-29)	—	HBL2711SW	HBL2721SW
Safety-Shroud®	IP20 SUITABILITY		
Description: Black and white nylon body, white Valox shroud. Can be used with the Insulgrip® Connector Bodies. Cord Dia.: .350"-1.150" (9-29)	—	HBL2711S	HBL2721S
Insulgrip	IP20 SUITABILITY		
Description: Black and white nylon. Cord Dia.: .350"-1.150" (9-29)	—	HBL2711	HBL2721
Black and white nylon, spring termination. .350"-1.150" (9-29)	—	HBL2711ST	HBL2721ST
Black and white nylon (not shown). .300"-.950" (7.6-24.1)	HBL2661	—	—
Corrosion resistant, yellow nylon. .350"-1.150" (9-29)	—	HBL27CM11	HBL27CM21
All black nylon. .350"-1.150" (9-29)	—	HBL2711BK	—
All black nylon, spring termination. .350"-1.150" (9-29)	—	HBL2711STBK	—

Note: See page C-48 for accessories.

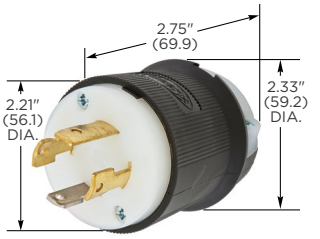
Note: See pages C-52 and C-53 for accessories.



HBL2711SW



HBL2711S



HBL2711

Flanged Inlets

Watertight Safety-Shroud

Description: Gray Valox housing and flange.	—	HBL2715SW	HBL2725SW
Reverse service, gray Valox housing and flange (use with HBL2713SR) (not shown).	—	HBL2715SWR	—

Note: See page C-54 for accessories.

Insulgrip

IP20 SUITABILITY

Description: Nylon casing, back wired.	—	HBL2715	HBL2725
Nylon casing, spring termination.	—	HBL2715ST	HBL2725ST
Nylon casing, back wired (not shown).	HBL2665	—	—
Nylon casing, weather protective, die cast aluminum, back wired, self closing lift cover.	—	HBL2715M3	—

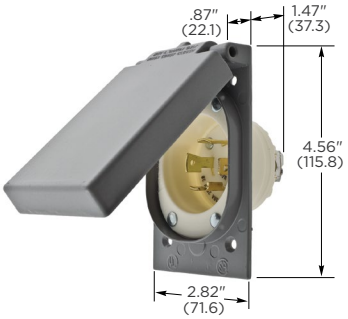
Note: See page C-52 for accessories.
See pages C-69 and C-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.



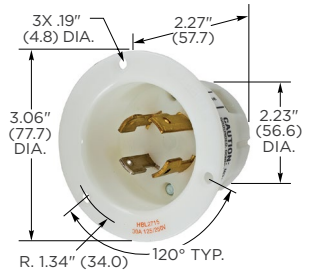
HBL2715SW



HBLMITL - For use with Watertight Safety-Shroud receptacles and reverse service inlet, see page C-48.



HBL2715M3



HBL2715

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

30 Amp, 125/250 and 3Ø 250 Volts AC, 3 Pole, 3 Wire, Non-Grounding and 3 Pole, 4 Wire, Grounding



30A 125/250V AC NEMA L10-30R	30A 125/250V AC NEMA L14-30R 2 (2) HP	30A 3Ø 250V AC NEMA L15-30R 3 HP

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4X, 12

Description	Cord Dia.	Catalog Number		
Black Valox® housing, white Valox clamps.	.350"-1.150" (9-29)	—	HBL2713SW	HBL2723SW
Reverse service, black Valox housing, white Valox clamps (use with HBL2715SWR) (not shown).	.350"-1.150" (9-29)	—	HBL2713SR	—

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	—	HBL2713	HBL2723
Black and white nylon, spring termination.	.350"-1.150" (9-29)	—	HBL2713ST	HBL2723ST
Spring termination, all black.	.350"-1.150" (9-29)	—	HBL2713STBK	—
Black and white nylon (not shown).	.300"-.950" (7.6-24.1)	HBL2663	—	—
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	—	HBL27CM13	HBL27CM23
All black nylon.	.350"-1.150" (9-29)	—	HBL2713BK	—

Note: See pages C-52 and C-53 for accessories.

Receptacles

Watertight Safety-Shroud

IP66 SUITABILITY — UL Type 4X, 12

Description	Catalog Number		
Gray Valox housing and flange, back wired.	—	HBL2710SW	HBL2720SW

Note: See page C-54 for accessories.

Safety-Shroud® Twist-Lock

IP20 SUITABILITY

Description	Catalog Number		
Gray Valox angle housing, one gang, back wired.	—	HBL2710AR	HBL2720AR
Gray Valox surface mounting, one gang, back wired.	—	HBL2710SR	HBL2720SR
Gray Valox semi-flush, two gang, back wired.	—	HBL2710SR2	HBL2720SR2

Single Flush Receptacles

IP20 SUITABILITY

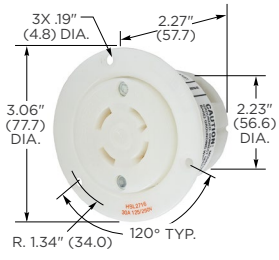
Description	Catalog Number		
Black nylon face, back and side wired.	—	HBL2710	HBL2720
Black and white nylon, spring termination.	—	HBL2710ST	HBL2720ST
Black nylon face, back and side wired (not shown).	HBL2660	—	—
Isolated ground, orange nylon face, back and side wired.	—	IG2710	IG2720
Isolated ground, orange face, spring termination.	—	IG2710ST	IG2720ST
Ring terminal connection.	—	HBL2710RT	HBL2720RT

Note: See page C-52 for accessories.

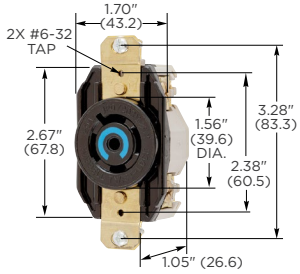
Insulgrip Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	—	HBL2716	HBL2726
Nylon casing, back wire, spring termination.	—	HBL2716ST	HBL2726ST

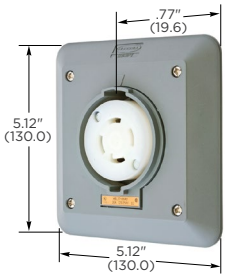
Note: See page C-52 for accessories.



HBL2716



HBL2710



HBL2710SR2

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

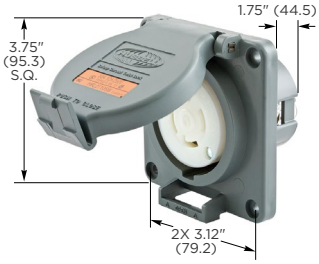
Fed. Spec.



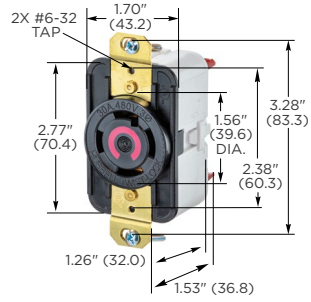
HBL2713SW



HBL2713



HBL2710SW



HBL2720ST



HBL2710SR

Dimensions in Inches (mm)

30A Twist-Lock Devices

30 Amp, 3Ø 480 and 3Ø 600 Volts AC
3 Pole, 4 Wire, Grounding





Fed. Spec.

30A 3Ø 480V AC NEMA L16-30P 10 HP	30A 3Ø 600V AC NEMA L17-30P

Plugs
Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4X, 12

Description	Cord Dia.	Catalog Number	
Black Valox® housing, white Valox clamps.	.350"-1.150" (9-29)	HBL2731SW	HBL2741SW

Safety-Shroud®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number	
Black and white nylon body, white Valox shroud. Can be used with the Insulgrip® Connector Bodies.	.350"-1.150" (9-29)	HBL2731S	HBL2741S

Note: See page C-42 for accessories.

Insulgrip

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	HBL2731	HBL2741
Black and white nylon, spring termination.	.350"-1.150" (9-29)	HBL2731ST	—
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL27CM31	HBL27CM41

Note: See page C-52 for accessories.



HBL2731SW



HBL2731S

Flanged Inlets
Watertight Safety-Shroud

IP66 SUITABILITY — UL Type 4X, 12

Description	Catalog Number	
Gray Valox housing and flange.	HBL2735SW	HBL2745SW

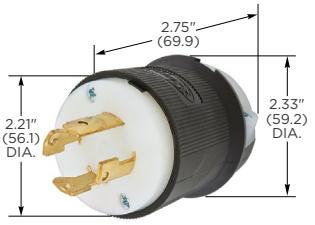
Note: See page C-54 for accessories.

Insulgrip

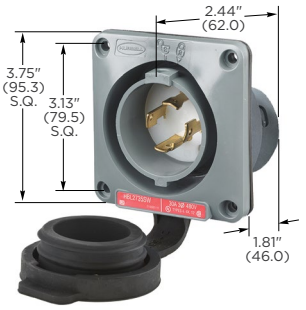
IP20 SUITABILITY

Description	Catalog Number	
Nylon casing, back wired.	HBL2735	HBL2745
Nylon casing, spring termination.	HBL2735ST	—

Note: See page C-52 for accessories.
See pages C-69 and C-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.



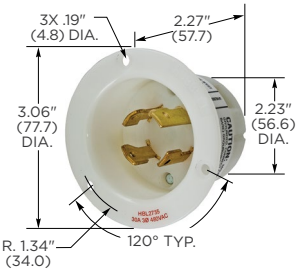
HBL2731



HBL2735SW



HBLMITL - For use with Watertight Safety-Shroud receptacles, see page C-47.



HBL2735

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

30 Amp, 3Ø 480 and 3Ø 600 Volts AC 3 Pole, 4 Wire, Grounding




Fed. Spec.

30A 3Ø 480V AC NEMA L16-30R 10 HP	30A 3Ø 600V AC NEMA L17-30R

Connector Bodies

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4X, 12

Description	Cord Dia.	Catalog Number	
Black Valox® housing, white Valox clamps.	.350"-1.150" (9-29)	HBL2733SW	HBL2743SW



HBL2733SW

Insulgrip®

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	HBL2733	HBL2743
Black and white nylon, spring termination.	.350"-1.150" (9-29)	HBL2733ST	—
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL27CM33	HBL27CM43

Note: See pages C-52 and C-53 for accessories.



HBL2733

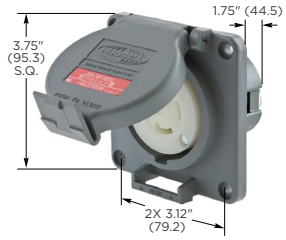
Receptacles

Watertight Safety-Shroud

IP66 SUITABILITY — UL Type 4X, 12

Description	Catalog Number	
Gray Valox housing and flange, back wired.	HBL2730SW	HBL2740SW

Note: See page C-54 for accessories.



HBL2730SW

Safety-Shroud® Twist-Lock®

IP20 SUITABILITY

Description	Catalog Number	
Gray Valox angle housing, one gang, back wired.	HBL2730AR	HBL2740AR
Gray Valox surface mounting, one gang, back wired.	HBL2730SR	HBL2740SR
Gray Valox semi-flush, two gang, back wired.	HBL2730SR2	HBL2740SR2

Single Flush Receptacles

IP20 SUITABILITY

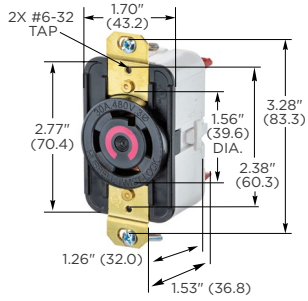
Description	Catalog Number	
Black nylon face, back and side wired.	HBL2730	HBL2740
Black and white nylon, spring termination.	HBL2730ST	—

Note: See page C-52 for accessories.

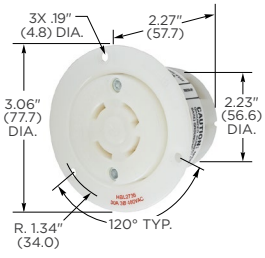
Insulgrip Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	HBL2736	HBL2746
Nylon casing, back wire, spring termination.	HBL2736ST	—

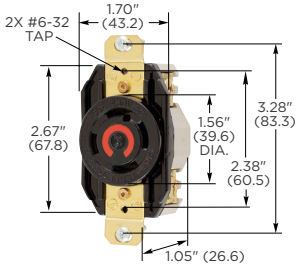
Note: See page C-52 for accessories.



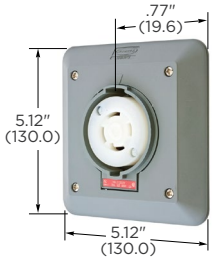
HBL2730ST



HBL2736



HBL2730



HBL2730SR2



HBL2730SR

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

30A Twist-Lock Devices

30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC, 4 Pole, 5 Wire, Grounding



30A 3ØY 120/208V AC NEMA L21-30P 3 HP	30A 3ØY 240/415V AC NEMA L26-30P	30A 3ØY 277/480V AC NEMA L22-30P 10 HP	30A 3ØY 347/600V AC NEMA L23-30P

Fed. Spec.

Plugs

Watertight Safety-Shroud®

IP66 SUITABILITY — UL Type 4X, 12

Description	Cord Dia.	Catalog Number			
Black Valox® housing, white Valox clamps.	.350"-1.150" (9-29)	HBL2811SW	HBL2801	HBL2821SW	HBL2831SW

Safety-Shroud® — IP20 SUITABILITY

Description	Cord Dia.	Catalog Number			
Black and white nylon body, white Valox shroud. Can be used with the Insulgrip® Connector Bodies.	.350"-1.150" (9-29)	HBL2811S	—	—	—

Note: See page C-48 for accessories.



HBL2811SW

Insulgrip

IP20 SUITABILITY

Description	Cord Dia.	Catalog Number			
Black and white nylon.	.350"-1.150" (9-29)	HBL2811	—	HBL2821	HBL2831
Black and white nylon, spring termination.	.350"-1.150" 9-29)	HBL2811ST	—	HBL2821ST	—
Corrosion resistant, yellow nylon.	.350"-1.150" (9-29)	HBL28CM11	—	—	—
Black and white for flat cable.	.350"-1.150" (9-29)	HBL2811FC	—	—	—
All black nylon.	.350"-1.150" (9-29)	HBL2811BK	—	—	—
All black nylon, spring termination.	.350"-1.150" (9-29)	HBL2811STBK	—	—	—

Note: See page C-53 for accessories.



HBL2811S

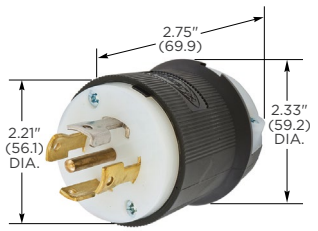
Flanged Inlets

Watertight Safety-Shroud

IP66 SUITABILITY — UL Type 4X, 12

Description	Catalog Number			
Gray Valox® housing and flange.	HBL2815SW	HBL2805	—	—

Note: See page C-54 for accessories.



HBL2811

Insulgrip®

IP20 SUITABILITY

Description	Catalog Number			
Nylon casing, back wired.	HBL2815	—	HBL2825	HBL2835
Nylon casing, spring termination.	HBL2815ST	—	HBL2825ST	—

Note: See page C-52 for accessories.
See pages C-69 and C-70 for technical information on Twist-Lock and Watertight Safety-Shroud devices.



HBL2815SW

Twist-Lock® 3-Phase Circuit Tester

Description	Rating	Catalog Number			
3-phase circuit tester.	3Ø 120/208V AC Min. Voltage: 90V AC	HBL3PT2811	—	—	—

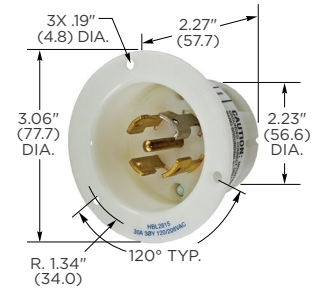
Note: Testers in other NEMA configurations can be developed upon request.
See page C-52 for additional circuit testers.



HBLMITL - For use with Watertight Safety-Shroud receptacles, see page C-48.



HBL3PT2811



HBL2815

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

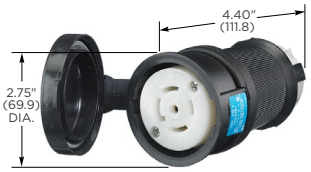
Dimensions in Inches (mm)

30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC, 4 Pole, 5 Wire, Grounding

Fed. Spec.

	30A 3ØY 120/208V AC NEMA L21-30R 3 HP	30A 3ØY 240/415V AC NEMA L26-30R	30A 3ØY 277/480V AC NEMA L22-30R 10 HP	30A 3ØY 347/600V AC NEMA L23-30R
Connector Bodies				
Watertight Safety-Shroud®	IP66 SUITABILITY		UL Type 4x, 12	
Description / **Cord Dia.**	**Catalog Number**			
Black Valox® housing, white Valox clamps. / .350"-1.150" (9-29)	HBL2813SW	HBL2803	HBL2823SW	—
Insulgrip®	IP20 SUITABILITY			
Description / **Cord Dia.**	**Catalog Number**			
Black and white nylon. / .350"-1.150" (9-29)	HBL2813	—	HBL2823	HBL2833
Black and white nylon, spring termination. / .350"-1.150" (9-29)	HBL2813ST	—	HBL2823ST	—
Spring termination, all black	HBL2813STBK	—	—	—
Corrosion resistant, yellow nylon. / .350"-1.150" (9-29)	HBL28CM13	—	—	—
Black and white for flat cable. / .350"-1.150" (9-29)	HBL2813FC	—	—	—
All black nylon. / .350"-1.150" (9-29)	HBL2813BK	—	—	—

Note: See pages C-52 and C-53 for accessories.



HBL2813SW


HBL2813ST

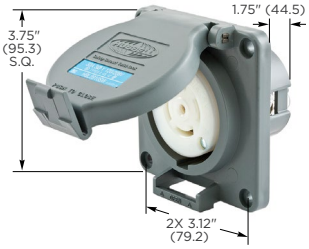


HBL2813

Receptacles

Watertight Safety-Shroud	IP66 SUITABILITY		UL Type 4x, 12	
Description	**Catalog Number**			
Gray Valox housing and flange, back wired.	HBL2810SW	—	HBL2820SW	HBL2830SW

Note: See page C-54 for accessories.

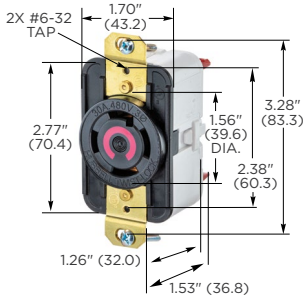


HBL2810SW

Safety-Shroud Twist-Lock	IP20 SUITABILITY			
Description	**Catalog Number**			
Gray Valox angle housing, one gang, back wired.	HBL2810AR	—	—	—
Gray Valox surface mounting, one gang, back wired.	HBL2810SR	—	—	—
Gray Valox semi-flush, two gang, back wired.	HBL2810SR2	—	—	—

Single Flush Receptacles	IP20 SUITABILITY			
Description	**Catalog Number**			
Black nylon face, back and side wired.	HBL2810	HBL2800	HBL2820	HBL2830
Black and white nylon, spring termination	HBL2810ST	—	HBL2820ST	—
Isolated ground, orange nylon face, back and side wired.	IG2810	—	—	—
Ring terminal connection.	HBL2810RT	—	—	—

Note: See page C-52 for accessories.



HBL2820ST

Insulgrip Flanged Receptacles				
Description	**Catalog Number**			
Nylon casing, back wired.	HBL2816	—	HBL2826	HBL2836
Nylon casing, back wire, spring termination.	HBL2816ST	—	HBL2826ST	—
Black nylon casing, back wire, spring termination.	HBL2816STBK	—	—	—

Note: See page C-52 for accessories.



HBL2810SR

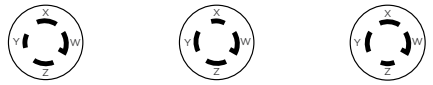
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

30A Twist-Lock Devices

30 Amp, 3ØY 120/208, 277/480 and 347/600 Volts AC, 4 Pole, 4 Wire, Non-Grounding

IP20 SUITABILITY



Plugs

Description	Cord Dia.	30A 3ØY 120/208V AC NEMA L18-30P 3 HP	30A 3ØY 277/480V AC NEMA L19-30P 10 HP	30A 3ØY 347/600V AC NEMA L20-30P
		Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2751	HBL2761	HBL2771

Note: See page C-53 for accessories.

Flanged Inlets

Description	30A 3ØY 120/208V AC NEMA L18-30P 3 HP	30A 3ØY 277/480V AC NEMA L19-30P 10 HP	30A 3ØY 347/600V AC NEMA L20-30P
	Catalog Number		
Nylon casing, back wired.	HBL2755	HBL2765	HBL2775

Note: See page C-52 for accessories.

IP20 SUITABILITY



Connector Bodies

Description	Cord Dia.	30A 3ØY 120/208V AC NEMA L18-30R 3 HP	30A 3ØY 277/480V AC NEMA L19-30R 10 HP	30A 3ØY 347/600V AC NEMA L20-30R
		Catalog Number		
Black and white nylon.	.350"-1.150" (9-29)	HBL2753	HBL2763	HBL2773

Note: See pages C-52 and C-53 for accessories.

Single Flush Receptacles

Description	30A 3ØY 120/208V AC NEMA L18-30R 3 HP	30A 3ØY 277/480V AC NEMA L19-30R 10 HP	30A 3ØY 347/600V AC NEMA L20-30R
	Catalog Number		
Black nylon face, back and side wired.	HBL2750	HBL2760	HBL2770

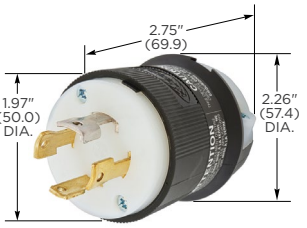
Note: See page C-52 for accessories.

Flanged Receptacles

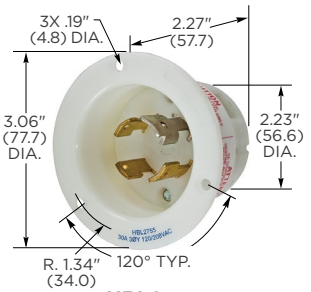
Description	30A 3ØY 120/208V AC NEMA L18-30R 3 HP	30A 3ØY 277/480V AC NEMA L19-30R 10 HP	30A 3ØY 347/600V AC NEMA L20-30R
	Catalog Number		
Nylon casing, back wired.	HBL2756	HBL2766	HBL2776

Note: See page C-52 for accessories.
See page C-69 for technical information on Twist-Lock devices.

Fed. Spec.



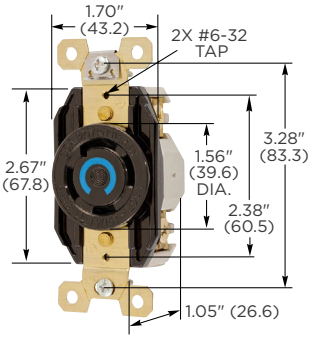
HBL2751



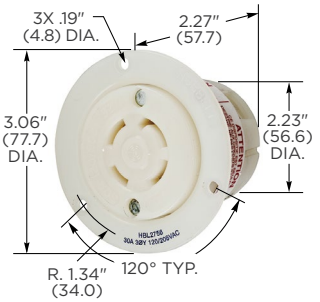
HBL2755



HBL2753



HBL2750



HBL2756

Dimensions in Inches (mm)

30 Amp, 480 and 600 Volts AC
2 Pole, 3 Wire, Grounding

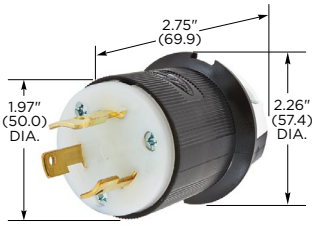
IP20 SUITABILITY



Plugs

Description	Cord Dia.	30A 240V AC NEMA L25-30P	30A 480V AC NEMA L8-30P 5 HP	30A 600V AC NEMA L9-30P
		Catalog Number		
Black and white nylon.	.325"-.930" (8.25-24)	HBL2601	HBL2641	HBL2651

Note: See page C-53 for accessories.

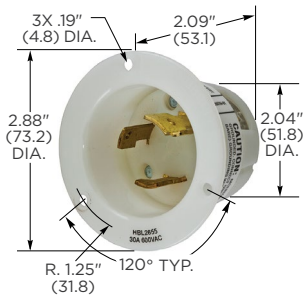


HBL2651

Flanged Inlets

Description	Catalog Number		
Nylon casing, back wired.	HBL2605	HBL2645	HBL2655

Note: See page C-52 for accessories.



HBL2655

IP20 SUITABILITY



Connector Bodies

Description	Cord Dia.	30A 240V AC NEMA L25-30R	30A 480V AC NEMA L8-30R 5 HP	30A 600V AC NEMA L9-30R
		Catalog Number		
Black and white nylon.	.325"-.930" (8.25-24)	HBL2603	HBL2643	HBL2653

Note: See pages C-52 and C-53 for accessories.

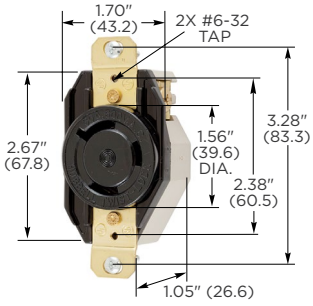


HBL2653

Single Flush Receptacles

Description	Catalog Number		
Black nylon face, back and side wired.	HBL2600	HBL2640	HBL2650

Note: See page C-52 for accessories.

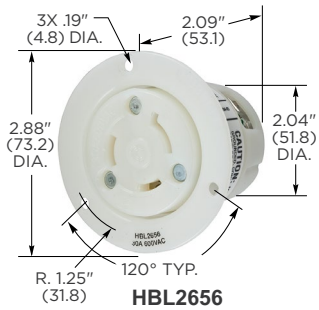


HBL2650

Flanged Receptacles

Description	Catalog Number		
Nylon casing, back wired.	—	HBL2646	HBL2656

Note: See page C-52 for accessories.
See page C-69 for technical information on Twist-Lock devices.



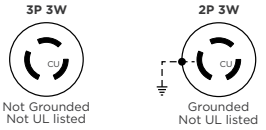
HBL2656

Dimensions in Inches (mm)

Non-NEMA 10 Amp, 250 Volts, 15 Amp 125 Volts
3 Pole, 3 Wire, Non-Grounding and 2 Pole, 3 Wire, Grounding

For Replacement Use Only

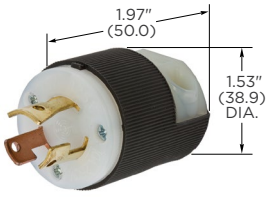
IP20 SUITABILITY



Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	HBL7567C	—
Yellow and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	HBL7567CY	—

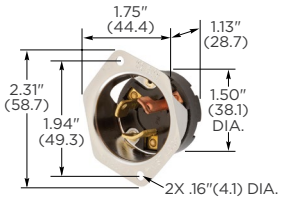
Note: See page C-51 for accessories.



HBL7567C

Flanged Inlets

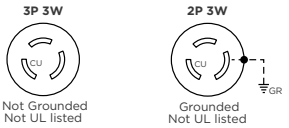
Description	Catalog Number	
Stainless steel casing.	HBL7556	HBL7556G



HBL7556

For Replacement Use Only

IP20 SUITABILITY



Connector Bodies

Description	Cord Dia.	Catalog Number	
Insulgrip® connector, black and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	HBL7565C	—
Insulgrip connector, yellow and white nylon. Multiple drive screws.	230"-.720" (5.8-18.3)	HBL7565CY	—
Black phenolic.	.296"-.625" (7.5-15.9)	HBL7555	HBL7555G

Note: See page C-51 for accessories.

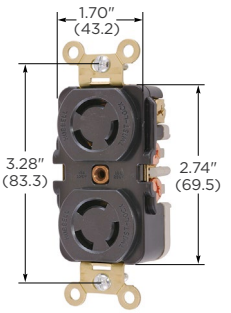


HBL7565C

Receptacles

Description	Catalog Number	
Duplex, black RTP*, back and side wired.	HBL7580	HBL7580G
Single, black phenolic, back and side wired.	HBL7582	HBL7582G

Note: See page C-50 for accessories.

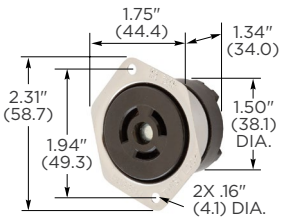


HBL7580

Flanged Receptacles

Description	Catalog Number	
Stainless steel casing.	HBL7557	HBL7557G

*Note: *RTP is an abbreviation for reinforced thermoplastic.*
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.



HBL7557

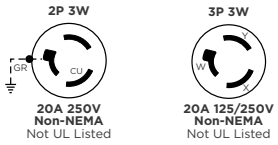
CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

Non-NEMA 20 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC 2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding

For Replacement Use Only

IP20 SUITABILITY



Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	HBL9965GCB	HBL9965C
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	—	HBL99CM65C

Note: See page C-53 for accessories.

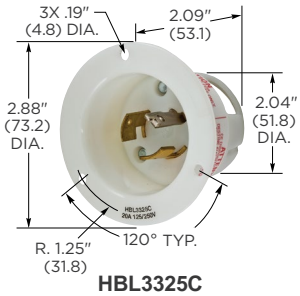


HBL9965C

Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	—	HBL3325C

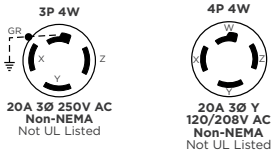
Note: See page C-52 for accessories.



HBL3325C

For Replacement Use Only

IP20 SUITABILITY



Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	HBL7411GCB	HBL7411C

Note: See page C-53 for accessories.

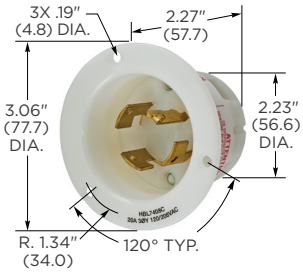


HBL7411C

Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	—	HBL7408C

Note: See page C-52 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.



HBL7408C

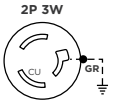
CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

Non-NEMA 20 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC 2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding

For Replacement Use Only

IP20 SUITABILITY



20A 250V Non-NEMA
Not UL Listed



20A 125/250V Non-NEMA
Not UL Listed

Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	HBL7314GCB	HBL7314C
Corrosion resistant, yellow nylon.	.360"-.930" (9-24)	—	HBL73CM14C

Note: See pages C-52 and C-53 for accessories.

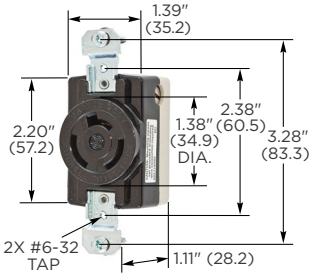


HBL7314C

Single Flush Receptacles

Description	Catalog Number	
Black nylon face, back wired.	HBL7310BG	HBL7310B

Note: See page C-52 for accessories.



HBL7310B

Flanged Receptacles

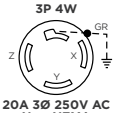
Description	Catalog Number	
Nylon casing, back wired.	—	HBL3326C

Note: See page C-52 for accessories.



HBL3326C

IP20 SUITABILITY



20A 3Ø 250V AC Non-NEMA
Not UL Listed



20A 3Ø Y 120/208V AC Non-NEMA
Not UL Listed

For Replacement Use Only

Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	HBL7413GCB	HBL7413C

Note: See pages C-52 and C-53 for accessories.

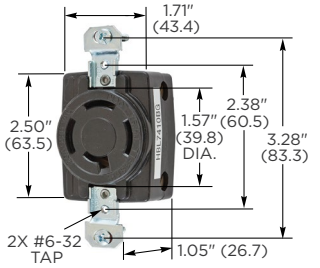


HBL7413GCB

Single Flush Receptacles

Description	Catalog Number	
Black thermoset, back wired.	HBL7410BG	HBL7410B
Mounted on a 4" (101.6) round metal cover.	—	HBL7417B

Note: See page C-52 for accessories.

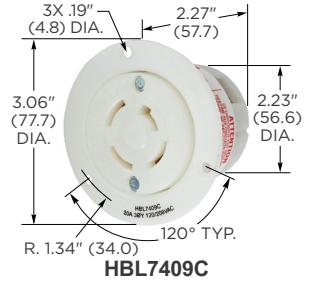


HBL7410BG

Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	—	HBL7409C

Note: See page C-52 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.



HBL7409C

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

Non-NEMA 20 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC 2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding

IP20 SUITABILITY



20A 250V
10A 600V AC
Non-NEMA
UL/CSA

For Replacement Use Only

Plugs

Description	Cord Dia.	Catalog Number
Black and white nylon.	.350"-1.150" (9-29)	HBL3521C
Black and white nylon, spring termination.		HBL3521CST

Note: See page C-53 for accessories.

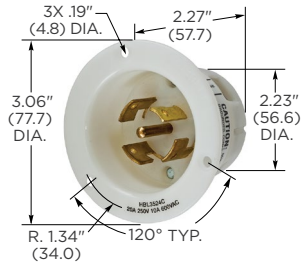


HBL3521C

Flanged Inlets

Description	Catalog Number
Insulgrip® nylon casing, back wired.	HBL3524C

Note: See page C-52 for accessories.



HBL3524C

IP20 SUITABILITY



20A 250V
10A 600V AC
Non-NEMA
UL/CSA

For Replacement Use Only

Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon.	.350"-1.150" (9-29)	HBL3523C
Black and white nylon, spring termination.	.350"-1.150" (9-29)	HBL3523CST

Note: See pages C-52 and C-53 for accessories.

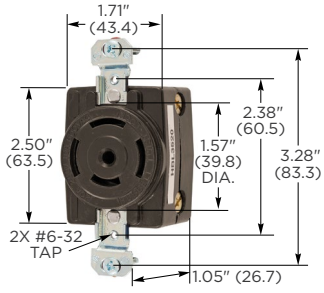


HBL3523C

Single Flush Receptacles

Description	Catalog Number
Black thermoset, back wired.	HBL3520

Note: See page C-52 for accessories.

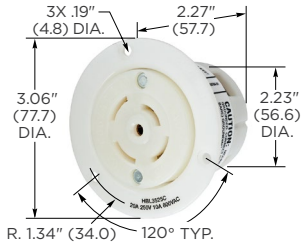


HBL3520

Flanged Receptacles

Description	Catalog Number
Insulgrip nylon casing, back wired.	HBL3525C

Note: See page C-52 for accessories.



HBL3525C

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

Non-NEMA 30 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC 2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding

For Replacement Use Only

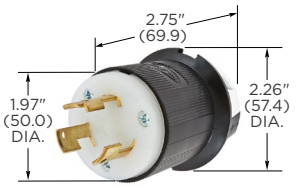
IP20 SUITABILITY



Insulgrip® Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	HBL3331GC	HBL3331C

Note: See page C-53 for accessories.

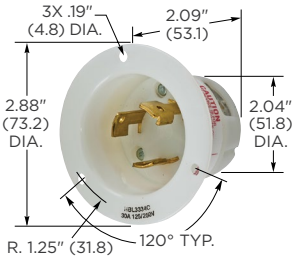


HBL3331GC

Insulgrip Flanged Inlets

Description	Catalog Number	
Nylon casing, back wired.	—	HBL3334C

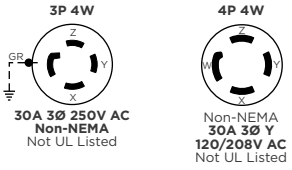
Note: See page C-52 for accessories.



HBL3334C

For Replacement Use Only

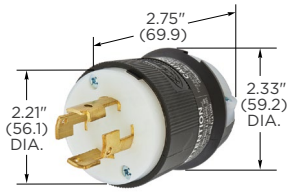
IP20 SUITABILITY



Insulgrip Plugs

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	HBL3431GCB	HBL3431C

Note: See page C-53 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.



HBL3431C

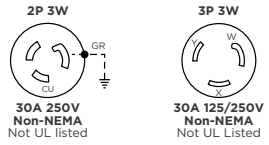
CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

Non-NEMA 30 Amp, 250, 125/250 Volts and 3ØY 120/208 Volts AC 2 Pole, 3 Wire, Grounding and 3 Pole, 3 Wire, Non-Grounding

For Replacement Use Only

IP20 SUITABILITY



Insulgrip® Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.360"-.930" (9-24)	HBL3333GC	HBL3333C

Note: See pages C-52 and C-53 for accessories.

Single Flush Receptacles

Description	Catalog Number	
Black thermoset, back wired.	HBL3330G	HBL3330

Note: See page C-52 for accessories.

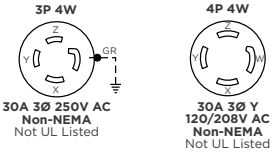
Insulgrip Flanged Receptacles

Description	Catalog Number	
Nylon casing, back wired.	—	HBL3335C

Note: See page C-52 for accessories.

For Replacement Use Only

IP20 SUITABILITY



Insulgrip Connector Bodies

Description	Cord Dia.	Catalog Number	
Black and white nylon.	.350"-1.150" (9-29)	HBL3433GCB	HBL3433C

Note: See pages C-52 and C-53 for accessories.

Single Flush Receptacles

Description	Catalog Number	
Black thermoset, back wired.	HBL3430G	HBL3430

Note: See page C-52 for accessories.

Insulgrip Flanged Receptacles

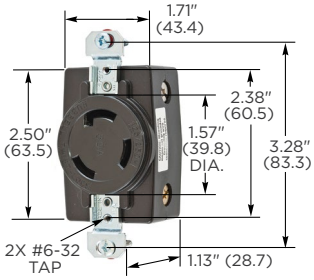
Description	Catalog Number	
Nylon casing, back wired.	—	—

Note: See page C-52 for accessories.
The devices shown on this page are not listed by Underwriters Laboratories Inc. and are for replacement use only in existing installations.

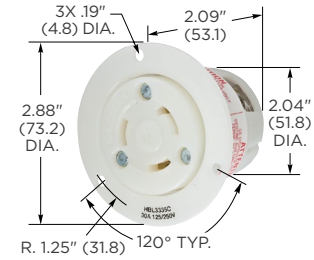
CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.



HBL3333GC



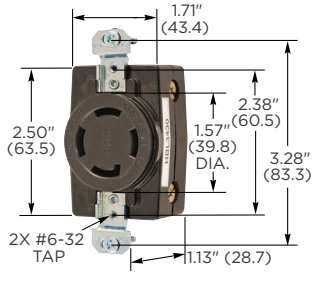
HBL3330G



HBL3335C



HBL3433C



HBL3430

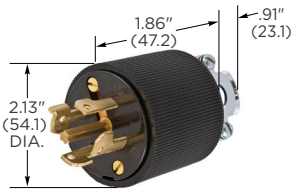
Dimensions in Inches (mm)

Non-NEMA 30 Amp, 250 Volts DC Max. and 600 Volts AC Max., 50 - 400Hz Non-NEMA 20 Amp, 3ØY 120/208 Volts AC 400Hz

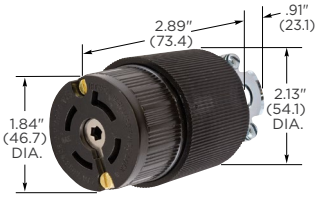
Variload® Twist-Lock Devices

In many large plants and laboratories the number of circuits of different ratings and frequency is greater than the number of blade configurations available in conventional wiring devices.

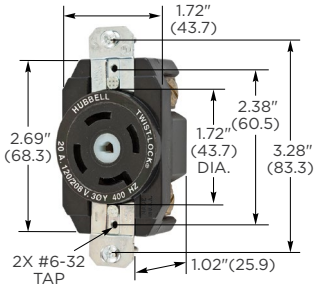
Prior to NEMA configuration standardization the solution was "Variload Twist-Lock" devices with four non-interchangeable center pin and slot configurations that can be assigned within the same premises to circuits of same voltage, frequency and supply (AC or DC), in accordance with NEC® 406.4(F) and 406.8 and with CE Code, Part I, Rule 26-700(3).



HBL45315



HBL45335



HBL45305

30A, 250V DC Max. and 600V AC Max. 50 - 400Hz

Center Pin Configuration	Plugs	Flanged Inlets	Connector Bodies	Receptacles
	HBL45115	—	HBL45135	HBL45105
	HBL45215	—	HBL45235	HBL45205
	HBL45315	—	HBL45335	HBL45305

20A 3ØY, 120/208V AC Only - 400Hz

Center Pin Configuration	Plugs	Flanged Inlets	Connector Bodies	Receptacles
	HBL45915†	HBL45985CL†	HBL45935†	HBL45905†

Note: †UL Listed only.

Receptacle Wallplates

Description	Catalog Number
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish for single receptacle with face diameter 1.74" (44.2).	SS725


SS725

IP55**
SUITABILITY

Weatherproof Boots

Description	Catalog Number
Seal-Tite® black elastomer for Variload® plugs.	HBL6027**
Seal-Tite black elastomer for Variload connector bodies.	HBL6028**

*Note: *When installed and used properly with plug and connector body combinations.*
*** Weatherproof boots not UL Listed, nor CSA Certified.*


HBL6027


HBL6028

CAUTION: To avoid electrical shock, review premises carefully and do not use if slot or blade configuration (design) is already in a circuit having a rating differing from the rating of this device.

Dimensions in Inches (mm)

Features and Benefits

The Switched Twist-Lock and Hubbellock Enclosures integrate a receptacle and a switch to produce distinct advantages for the user. This enclosure replaces box, switch, cover and all in a compact design that meets Type 3R Rainproof or 12K dust-tight requirements.

The receptacle is angled downward for a low profile, and it maintains a low profile while accommodating either a 20 or 30 Amp Twist-Lock receptacle or 30 Amp, 4 wire Hubbellock receptacle. The enclosure can be used in top, bottom or back feed applications. The handle is designed to be locked in the OFF position for lockout protection.

Hubbell has developed the Switched Safety Enclosure because users want to be able to disconnect higher voltage devices confidently. Hubbell responded with a line of Switched Safety Enclosures for Twist-Lock and Hubbellock receptacles.

The provision of the integral switch and the receptacle in a compact, non-metallic enclosure encourages the safe operating practice of disconnecting at the switch rather than the plug and receptacle.

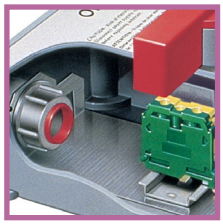
For plants and factories in a wide variety of industries, as well as light industrial facilities, Hubbell's Switched Enclosures offer an upgrade that's convenient, compact and easy to install.





Housing Design

- Angled 20 or 30 amp Hubbell Twist-Lock receptacle provides low profile and helps control cable arc of bend
- Large receptacle gasketless door and hinge assembly
- Enclosure back is designed for top, bottom or back feed options



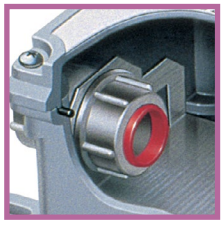
Internal Design

- Horsepower rated switch
- Heavy duty internal frame bonds conduit and all grounds and has a DIN rail to accommodate the switch



Safety

- Lockable handle provides lockout protection for greater safety and complies with OSHA lockout requirements



Wiring

- Premolded conduit entry hole is offset to prevent water condensation from falling directly on interior electrical components



Installation

- Moveable feet may be used in horizontal or vertical position or may be removed and premarked holes drilled for Type 1 or 3R installations

Switched Twist-Lock® and Hubbellock® Enclosures

UL Listed, CSA Certified
Type 3R and 12K Enclosure Rating

IP54 SUITABILITY

Switched Enclosure Ready for Twist-Lock Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept any Hubbell 20 or 30A Twist-Lock receptacle.

Description	Ratings	Catalog Number
Switched Twist-Lock enclosure accommodates any NEMA 2 pole, 3 wire to 4 pole, 5 wire grounding receptacle (sold separately).	Amperage, voltage, and horsepower ratings will be determined by the choice of the NEMA 20 or 30A Twist-Lock receptacle selected.	**SETL3**
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

Switched Enclosure Complete with Twist-Lock Receptacle

Completely pre-wired with a Twist-Lock receptacle, these application oriented combinations are available to satisfy your needs.

Description	Amps	Voltage	NEMA Config.	Horsepower	Switched Enclosure	Use Twist-Lock Plug
Switched Twist-Lock enclosure with a pre-wired HBL2720 receptacle.	30	3Ø 240V AC	L15-30R	3	**SE2720A**	**HBL2721**
Switched Twist-Lock enclosure with a pre-wired HBL2730 receptacle.	30	3Ø 480V AC	L16-30R	10	**SE2730A**	**HBL2731**

Switched Enclosure Ready for Hubbellock Receptacle Addition

Ideal unit for stockroom. This single unit provides the complete enclosure ready to accept your 30A, 4 wire Hubbellock receptacle choice.

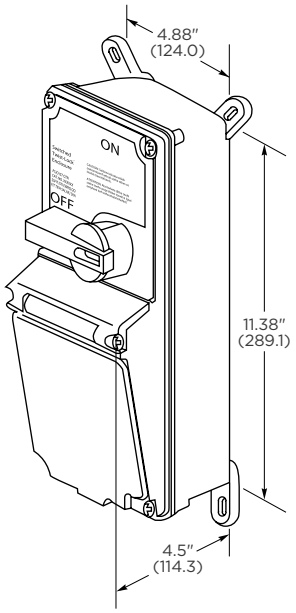
Description	Ratings	Catalog Number
Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle (sold separately).	Amperage, voltage, and horsepower ratings will be determined by the choice of the 4 wire Hubbellock receptacle selected.	**SEHBL3**
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	**HBLAC1**
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	**HBLAC2**

Replacement Mounting Feet

Description	Catalog Number
For 30A switches.	**HBLRFT1**△

Note: △ Package of 10 feet and 10 screws.

See page C-72 for technical information on Switched Safety Enclosures.



SETL3



SE2720A



HBLAC1



HBLAC2



HBLRFT1

Dimensions in Inches (mm)

Features and Benefits

Hubbell offers the only mechanical interlock for Twist-Lock. This new, unfused mechanical interlock for Watertight Safety-Shroud® Twist-Lock® integrates a watertight receptacle with a linked disconnect switch to provide a mechanically interlocked receptacle. This virtually eliminates the possibility of making or breaking the circuit while under load or making a casual or "lazy" connection.

The switch cannot be turned ON until the plug is properly inserted and locked, and the plug cannot be removed until the switch is turned OFF. All these protective features are included in a compact Type 4X hose-directed water and corrosion resistant enclosure that allows for top, bottom or back feed options.

The non-metallic enclosure is nonconductive, yet has an internal frame to assure ground continuity with metallic conduit.

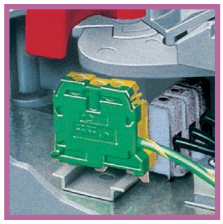
In addition, this interlock works with all Safety-Shroud Twist-Lock Plugs. The new unfused mechanical interlock for Watertight Safety-Shroud Twist-Lock can be locked out as a method of compliance with OSHA lockout/tagout regulations.





Housing Design

- Angled 20 or 30 amp Hubbell Watertight Safety-Shroud Twist-Lock receptacle provides watertight, low profile and mechanical interlock capabilities (ordered separately)
- Enclosure back is designed for top, bottom or back feed options



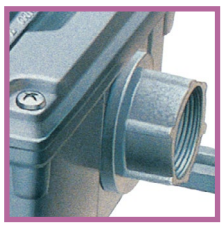
Internal Design

- Horsepower rated switch
- Heavy duty internal frame bonds conduit and all grounds and has a DIN rail to accommodate the switch



Safety

- Lockable handle provides lockout protection for greater safety and complies with OSHA lockout requirements
- Heavy duty interlock linkage prevents make and break under load



Wiring

- Pre-molded conduit entry hole is offset to prevent water condensation from falling directly on interior electrical components, while speeding installation by making it easier to pull conductors



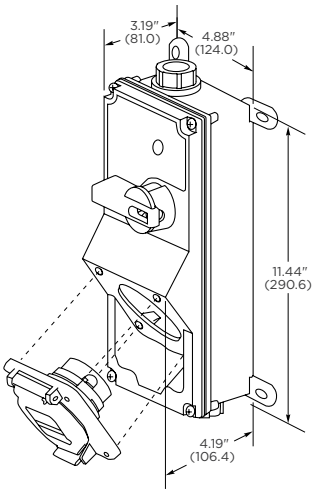
Installation

- Moveable feet may be used in horizontal or vertical position or may be removed and premarked holes drilled for Type 1 or 3R installations

Mechanical Interlock Switched Safety Enclosures

UL Listed, CSA Certified TYPE 4, 4X and TYPE 12K Enclosure Rating

IP66 SUITABILITY



HBLMITL

Mechanical Interlock Ready for Twist-Lock Receptacle Addition

This unit is a complete enclosure ready to accept any 20 or 30A Watertight Safety-Shroud® Twist-Lock® Receptacle.

Description	Ratings	Catalog Number
Mechanical Interlock accommodates 20A or 30A Watertight Safety-Shroud Twist-Lock receptacles.	Amperage and voltage ratings will be determined by the choice of the Watertight Safety-Shroud Twist-Lock selected. Supplied with 3/4" NPT Hub.	HBLMITL

Accepts the following Watertight Safety-Shroud® Twist-Lock® Receptacles: 20 Amp

Rating	Voltage AC	NEMA Config.	Max. HP Rating*	Receptacle Catalog Number	Use Watertight Safety-Shroud Twist-Lock Plug
2 Pole, 3 Wire	120	L5-20	1	HBL2310SW	HBL2311SW
	208-240	L6-20	2.5	HBL2320SW	HBL2321SW
	277	L7-20	3	HBL2330SW	HBL2331SW
3 Pole, 4 Wire	120/240	L14-20	2.5	HBL2410SW	HBL2411SW
	240 3Ø	L15-20	5 (3@208V)	HBL2420SW	HBL2421SW
	480 3Ø	L16-20	10	HBL2430SW	HBL2431SW
4 Pole, 5 Wire	120/208 3ØY	L21-20	3	HBL2510SW	HBL2511SW



HBL2620SW

30 Amp

2 Pole, 3 Wire	120	L5-30	1	HBL2610SW	HBL2611SW
	208-240	L6-30	3	HBL2620SW	HBL2621SW
3 Pole, 4 Wire	120/240	L14-30	3	HBL2710SW	HBL2711SW
	240 3Ø	L15-30	7.5	HBL2720SW	HBL2721SW
	480 3Ø	L16-30	15	HBL2730SW	HBL2731SW
	600 3Ø	L17-30	15	HBL2740SW	HBL2741SW
4 Pole, 5 Wire	120/208 3ØY	L21-30	7.5	HBL2810SW	HBL2811SW
	277/480	L22-30	7.5	HBL2820SW	HBL2821SW
	347/600	L23-30	7.5	HBL2830SW	HBL2831SW



HBL2713SR

30 Amp Reverse Service

2 Pole, 3 Wire	120	L5-30	1	HBL2615SWR	HBL2613SR
3 Pole, 4 Wire	120/240	L14-30	3	HBL2715SWR	HBL2713SR
3 Pole, 4 Wire	240 3Ø	L15-30	7.5	HBL2725SWR	HBL2723SR



HBLAC1



HBLAC2

Auxiliary Contacts

Description	Ratings	Catalog Number
Auxiliary contact.	"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1
Auxiliary contact.	"Break Before Main Break", 1 set of n/o contacts.	HBLAC2

Replacement Parts

Description	Catalog Number
Ground block.	HBL30RGB
Neutral block.	HBL30RNB
Replacement switch.	HBLDS3RS



HBL30RGB



HBL30RNB

Replacement Mounting Feet

Description	Catalog Number
For 30A switches.	HBLRFT1△



HBLRFT1

*Note: *HP ratings for the final unit are determined by the HP rating of the switch, limited by the full load current capability of the receptacle at 80% of rated current, number of phases and line voltage. HP ratings listed above are AC only.*
△Package of 10 feet and 10 screws.
See page C-73 for technical information on Mechanical Interlock Enclosures.

Dimensions in Inches (mm)

Safety-Shroud® Twist-Lock – 20 and 30 Amp



The Add-A-Shroud® devices allow conversion of existing 20A and 30A 3 to 5 wire Hubbell Insulgrip® Twist-Lock devices to a Safety-Shroud® Twist-Lock® plug. These devices provide a convenient and cost-effective way to convert existing Hubbell Insulgrip Twist-Lock plugs to Safety-Shroud Twist-Lock plugs. The Safety-Shroud Twist-Lock plug permits engagement with the Hubbell Mechanical Interlock Enclosure which virtually prevents make and break under load.

Add-A-Shroud® Catalog Number HBLSS3

For conversion of all 3 wire Hubbell Insulgrip® Twist-Lock Devices.

Rating	Voltage AC	NEMA Config. Reference Number	Plug Catalog Number	Add-A-Shroud Catalog Number
20A, 2 Pole 3 Wire grounding.	125V	L5-20	**HBL2311**	**HBLSS3**
	250V	L6-20	**HBL2321**	**HBLSS3**
	277V AC	L7-20	**HBL2331**	**HBLSS3**
	480V AC	L8-20	**HBL2341**	**HBLSS3**
	600V AC	L9-20	**HBL2351**	**HBLSS3**
30A, 2 Pole 3 Wire grounding.	125V	L5-30	**HBL2611**	**HBLSS3**
	250V	L6-30	**HBL2621**	**HBLSS3**
	277V AC	L7-30	**HBL2631**	**HBLSS3**
	480V AC	L8-30	**HBL2641**	**HBLSS3**
	600V AC	L9-30	**HBL2651**	**HBLSS3**



HBLSS3

Add-A-Shroud® Catalog Number HBLSS45

For conversion of all 4 and 5 wire Hubbell Insulgrip Twist-Lock Devices.

Rating	Voltage AC	NEMA Config. Reference Number	Plug Catalog Number	Add-A-Shroud Catalog Number
20A, 3 Pole 4 Wire grounding.	125/250V AC	L14-20	**HBL2411**	**HBLSS45**
	3Ø 250V AC	L15-20	**HBL2421**	**HBLSS45**
	3Ø 480V AC	L16-20	**HBL2431**	**HBLSS45**
30A, 3 Pole 4 Wire grounding.	125/250V AC	L14-30	**HBL2711**	**HBLSS45**
	3Ø 250V AC	L15-30	**HBL2721**	**HBLSS45**
	3Ø 480V AC	L16-30	**HBL2731**	**HBLSS45**
	3Ø 600V AC	L17-30	**HBL2741**	**HBLSS45**
20A, 4 Pole 5 Wire grounding.	3ØY 120/208V AC	L21-20	**HBL2511**	**HBLSS45**
	3ØY 277/480V AC	L22-20	**HBL2521**	**HBLSS45**
	3ØY 347/600V AC	L23-20	**HBL2531**	**HBLSS45**
30A, 4 Pole 5 Wire grounding.	3ØY 120/208V AC	L21-30	**HBL2811**	**HBLSS45**
	3ØY 277/480V AC	L22-30	**HBL2821**	**HBLSS45**
	3ØY 347/600V AC	L23-30	**HBL2831**	**HBLSS45**



HBLSS45

Watertight Safety Shroud - Deluxe Cord Grip and Metallic Liquidtight Conduit Fitting Adapters

Adapter for Use with 3/4" NPT Fittings

Description	Cord Dia.	Catalog Number
3 Wire, anodized aluminum.	.250" - .750"	**WTSS234**
3 Wire, stainless steel.	.250" - .750"	**WTSS234SS**
4 and 5 Wire, anodized aluminum.	.250" - .750"	**WTSS334**
4 and 5 Wire, stainless steel.	.250" - .750"	**WTSS334SS**

Adapter for Use with 1" NPT Fittings

Description	Cord Dia.	Catalog Number
4 and 5 Wire, anodized aluminum.	.375" - 1.00"	**WTSS310**
4 and 5 Wire, stainless steel.	.375" - 1.00"	**WTSS310SS**



WTSS234



WTSS234SS



WTSS310



WTSS310SS

Dimensions in Inches (mm)

15 Amp 2 and 3 Wire Devices

Wallplates, 1-Gang

Description	Color	Duplex Receptacles	Single Receptacles with Face Dia. 1.40" (35.6)
Nylon, smooth.	Brown Ivory	P8 P8I	P7 P7I
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.		SS8	SS7
Stainless steel 430, .035 in. (0.9), horizontal brushed finish.		SS8L	SS7L
Brass .04 in. (1.0), horizontal brushed finish.		SB8	SB7
Aluminum .05 in. (1.3), horizontal brushed finish.		SA8	SA7


P8


SS7

IP44 SUITABILITY

Weatherproof Covers

Description	Duplex Receptacles	Single Receptacles with Face Dia. 1.40" (35.6)
Cast aluminum, for standard horizontal box mount.	HBL5205WO	—
Same as above except FS/FD box mount.	HBL5206WO	—
Cast aluminum vertical FS/FD box mount.	—	HBL7420
Gray thermoplastic, vertical standard box mount, corrosion resistant.	HBL5222	—
Same as above except yellow.	HBL52CM22	—
Gray thermoplastic, vertical FS/FD box mount, corrosion resistant.	HBL5221	HBL7423WO
Yellow thermoplastic, vertical FS/FD box mount, corrosion resistant.	HBL52CM21	HBL74CM23WO
White thermoplastic, vertical FS/FD box mount, corrosion resistant.	HBL52CM21W	—


HBL5206WO


HBL5221

Weatherproof Covers for 15A Nylon Flanged Receptacles and Inlets

IP44 SUITABILITY

Description	Duplex Receptacles	Single Receptacles with Face Dia. 1.40" (35.6)
Gray thermoplastic, corrosion resistant.	—	WP1


HBL7423WO


WP1

Note: All weatherproof covers listed above are UL Listed for wet and damp locations with cover closed. Those with suffix WO are UL Listed with cover open.
See page O-21 for additional information on weatherproof covers.

Dimensions in Inches (mm)

15 Amp 2 and 3 Wire Devices

Pool Kit Contains:

- Heavy duty, industrial grade locking receptacle NEMA L5-20, 20A 125V
- Single-pole switch (20A, 120-277V AC)
- Two gang, 2 inch deep die-cast aluminum weatherproof box with (4) 3/4 inch threaded outlets
- Two gang, weatherproof while-in-use cover
- Includes mounting hardware, gasket, wire connector and (3) closure plugs
- Complete assembly instructions

Tinted lid is aesthetically pleasing in any location. High-impact, polycarbonate while-in-use cover will not rust or corrode; cover is NEMA 3R rated

Compact 2-gang design



HBLPKL520

Locking receptacle prevents unintentional disconnection of mating pump plug

Pool Pump Kit

Description	Catalog Number
Pool pump receptacle kit.	HBLPKL520

Note: See Section L for additional information on SWITCHOUT Lockout devices.

IP55* SUITABILITY

Weatherproof, Seal-Tite®, Triple Seal Boots for 15A Insulgrip® Devices

Description	For 3 Wire Devices	For 3 Wire EdgeConnect™ Devices
Black elastomer boot for plugs when used in a cord set and connector bodies when used with a flange inlet.	HBL6023	HBL6023ST
Same as above except yellow elastomer.	HBL60CM23	HBL60CM23ST
Black elastomer boot for connector bodies when used in cord sets.	HBL6024	HBL6024ST
Same as above except yellow elastomer.	HBL60CM24	HBL60CM24ST

*Note: *When installed and used properly with plug and connector body combinations.*



HBL6023ST

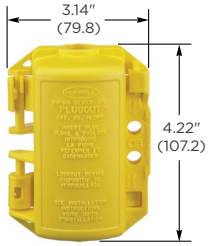


HBL6024

PLUGOUT® Lockout Devices

Description	Catalog Number
Lockout device for 15A and 20A straight blade, and 15A Twist-Lock plugs.	HLDMP
Lockout device for attachable 20A and 30A Twist-Lock plugs, straight body or angle types, with or without weatherproof covers.	HLD
Lockout device for 15A and 20A, 125V straight blade plugs with holes in blades.	HKLDR

Note: See Section L for additional information on PLUGOUT® lockout devices.



HLDMP

Nylon Convenience Adapters

Catalog Number	NEMA Configuration	HBL2270	HBL2271	HBL2128	HBL2274	HBL2129	HBL31CM28	HBL31CM29*
Male Blade End		15A 125V NEMA 5-15P	15A 125V NEMA 5-15P	15A 125V NEMA 5-15P	15A 125V NEMA L5-15P	20A 125V NEMA L5-20P UL/CSA	15A 125V NEMA 5-15P	30A 125V NEMA L5-30P UL/CSA
Female Slot End		20A 125V NEMA 5-20R	15A 125V NEMA L5-15R	20A 125V NEMA L5-20R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R	30A 125V NEMA L5-30P UL/CSA	20A 125V NEMA 5-20R

*Note: *Not UL Listed.*
Caution: Where adapters have different ratings on the blade and slot end the following precautions must be exercised in their use. (1) Remember that overcurrent protection is determined by the blade end. (2) The use of the adapter should be limited to the lowest rated end of the adapter in order to prevent overheating. (3) Adapters do not provide GFCI, overcurrent or short circuit protection.



HBL2271

Plug In Adapters

Description	Catalog Number
Male end - 2 wire parallel polarized blades, 15A, 125V. Female end - 3 wire 15A, 125V straight slot grounding.	HBL5273L
Male end - 3 wire crow foot 15A, 125V blades. Female end - 3 wire 15A, 125V straight slot grounding.	HBL5289#*
Male end - 3 wire 10A, 250V, 15A, 125V Twist-Lock blades. Female end - 3 wire 15A, 125V straight slot grounding.	9053A#*
Male end - 3 wire 15A, 125V straight blade grounding. Female end - 10A, 250V, 15A 125V Twist-Lock slots.	9054A#*

Note: #Must always be used with a grounded receptacle.
**Not UL Listed.*



HBL2129

Dimensions in Inches (mm)

20 and 30 Amp 3, 4 and 5 Wire Devices

Wallplates, 1-Gang

Description	Single Receptacles with Face Dia. 1.60" (40.6)
Black nylon, smooth.	P720BK
Stainless steel 302/304, .035 in. (0.9), horizontal brushed finish.	SS720
Brass .04 in. (1.0), horizontal brushed finish.	SB720



P720BK



SS720

Weatherproof Covers

IP44 SUITABILITY

Description	Single Receptacles with Face Dia. 1.60" (40.6)
Cast aluminum, for FS/FD box mounting.	HBL7420
Gray thermoplastic, for FS/FD box mounting, corrosion resistant.	HBL7425WOA
Same as above except yellow.	HBL74CM25WOA



HBL7425WOA

Weatherproof Covers for Flanged Inlets and Flanged Receptacles

IP44 SUITABILITY

Description	Single Receptacles with Face Dia. 1.60" (40.6)
Gray thermoplastic, corrosion resistant.	WP2

Note: Weatherproof covers are UL Listed for wet and damp location with cover closed. Those with suffix WOA are UL Listed with cover open.
See page P-21 for additional information on weatherproof covers.

Closure Cover for 3 Wire Flanged Inlets

Description	Catalog Number
Rubber closure plug.	HBL2899

Note: Closure cover not UL Listed, CSA Certified.



HBL2899

Twist-Lock® Circuit Testers

Description	Rating	20 Amp		30 Amp	
		Configuration	Catalog Number	Configuration	Catalog Number
3-Phase Circuit Tester	3Ø 120/208V AC Min. Volt.: 90V AC	NEMA L21-20P	HBL3PT2511	NEMA L21-30P	HBL3PT2811
Circuit Tester	125V	NEMA L5-20P	HBLT2311	NEMA L5-30P	HBLT2611 HBLT26CM11 (Marine)
	250V	NEMA L6-20P	HBLT2321	NEMA L6-30P	HBLT2621
	277V	NEMA L7-20P	HBLT2331		
	125/250V	NEMA L14-20P	HBLT2411	NEMA L14-30P	HBLT2711
	347V	NEMA L24-20P	HBLT3721		
	128/208V AC	Non-NEMA	HBLT3521		

Note: Testers in other NEMA configurations can be developed upon request.



HBL3PT2511



HBLT26CM11

Single Flush Receptacles

Description	Catalog Number
Removal Bridge, for use with all Twist-Lock EdgeConnect™ receptacles.	HBLSTRB



HBLSTRB

Dimensions in Inches (mm)

20 and 30 Amp 3, 4 and 5 Wire Devices

Insulgrip® Plug and Connector Body Latching Kit

The Hubbell latching kit provides both improved safety and security through a double locking feature that makes unintentional disconnection virtually impossible – even under high vibration situations. The plug and connector body lock once when first connected, then again when you push the special position locking slide into place.



Insulgrip Latching Kit

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
For all 20A and 30A Twist-Lock Insulgrip plugs and connectors.	SK2	SK3



SK2

Valise® Weatherproof, Seal-Tite®, Triple Seal Boots

IP55* SUITABILITY

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Yellow Seal-Tite elastomer triple seal cover for use with Valise plugs when used in cord set and Valise connector bodies when used with flanged inlet.	HBL60CM31V	—
Yellow Seal-Tite elastomer triple seal cover for use with Valise connector bodies.	HBL60CM32V	—

*Note: *When installed and used properly with plug and connector body combinations.*



HBL60CM31V

Insulgrip Weatherproof, Seal-Tite, Triple Seal Boots

IP55* SUITABILITY

Description	For 3 Wire Devices	For 3 Wire EdgeConnect™ Devices	For 4 & 5 Wire Devices	For 4 & 5 Wire EdgeConnect™ Devices
Black elastomer boot for plugs when used in a cord set and connector bodies when used in flanged inlets.	HBL6031	HBL6031ST	HBL6035	HBL6035ST
Same as above except yellow.	HBL60CM31	HBL60CM31ST	HBL60CM35	HBL60CM35ST
Black elastomer boot for connector bodies when used in a cord set.	HBL6032	HBL6032ST	HBL6036	HBL6036ST
Same as above except yellow.	HBL60CM32	HBL60CM32ST	HBL60CM36	HBL60CM36ST

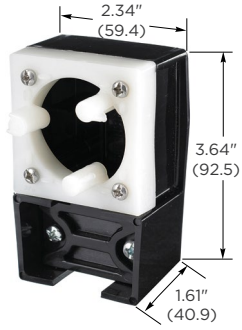
*Note: *When installed and used properly with plug and connector body combinations.*



HBL6032

Angle Adapter

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Nylon, angle adapter for Insulgrip plugs and connector bodies, cord grip range .325"-.930" (8.3-24).	HBL3WAA	HBL45WAA



HBL3WAA

PLUGOUT® Lockout Devices

Description	For 3 Wire Devices	For 4 & 5 Wire Devices
Lockout device for attachable 20 and 30A locking plugs, straight body or angle types, with or without weatherproof covers.	HLD	HLD
Lockout device for 20 and 30A 3 wire angle plugs and Watertight Safety-Shroud® Twist-Lock plugs.	HLD2	HLD2

Note: See Section L for additional information on PLUGOUT® lockout devices.



HLD

Colored Cord Clamps* For quick visual identification of circuits or configurations.

Description	Color	For 3 Wire Devices	For 4 & 5 Wire Devices
For use with 20A and 30A Insulgrip Twist-Lock Plugs and Connectors. Cord diameter: 3 wire .350"-.930" (9-24), 4 & 5 wire .350" – 1.150" (9-29).	Black	HBLTL2CCBK	HBLTL3CCBK
	Blue	HBLTL2CCBL	HBLTL3CCBL
	Brown	—	HBLTL3CCBR
	Dark Blue	—	—
	Green	HBLTL2CCGR	HBLTL3CCGR
	Orange	HBLTL2CCOR	HBLTL3CCOR
	Red	HBLTL2CCRD	HBLTL3CCRD
	Teal	—	HBLTL3CCTL
	White	HBLTL2CCWH	HBLTL3CCWH
	Yellow	HBLTL2CCYL	HBLTL3CCYL

*Note: *Clamp only. Contains no screws. Order in increments of 10. Not UL Listed or CSA Certified.*

Nylon Convenience Adapters and Plug In Adapters*

Description	Color	For 3 Wire Devices	For 4 & 5 Wire Devices

*Note: *See page C-51 for complete offering of adapters.*



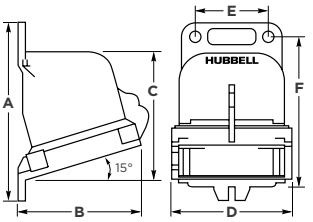
Dimensions in Inches (mm)

Safety-Shroud® Twist-Lock® Accessories

15° Angle Non-Metallic Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	**BB2030N**

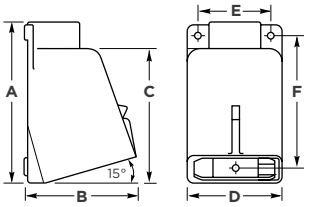
Note: Hub is not included; order Raco part number 1704. This box meets IP69k requirement and Type 4X requirements when installed with a watertight conduit hub.



Non-Metallic Angle Box

15° Angle Metallic Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets.	3/4"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB201W**
	1"	5.13" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	**BB301W**

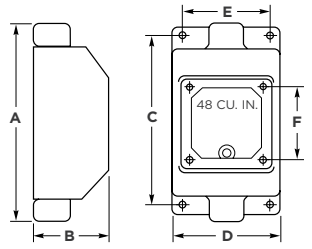


Metallic Angle Box

Metallic Feed Thru Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets.	3/4"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT202W**
	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	**FT302W**

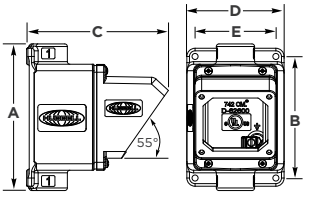
Note: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. NPT (metric designator).



Metallic Feed Thru Box

55° Angle Metallic Adapter and Back Box

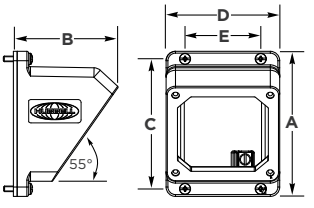
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets.	1"	6.80" (172.4)	5.63" (142.9)	6.60" (167.0)	4.50" (114.3)	3.74" (95.0)	-	45.27"	**AB203055**



AB203055

55° Angle Metallic Adapter with Grounding Lug

Description	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets.	4.89" (172.4)	3.33" (167.0)	4.29" (142.9)	3.75" (114.3)	2.50" (95.0)	-	25.00"	**AA203055**



AA203055

Straight Watertight Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to 2-gang, device mount, FD boxes.	**HBL2030AP**



HBL2030AP

Non-Watertight Angle Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles to 1- or 2-gang standard wall boxes (4" or 411/16" square).	**AA2030PS**



AA2030PS

Dimensions in Inches (mm)

Features and Benefits

Hubbell's 50 amp Twist-Lock devices feature a heavy duty design built for heavy duty applications. These Hubbell 50 amp Twist-Lock plugs and connector bodies are built to go where you need power, even in some of the harshest environments.

On the outside, 50 amp plugs and connectors are made of super tough nylon for better impact resistance. On the plug, the stainless steel shroud not only provides protection and durability, but safety as well. That's because the rigid construction restricts distortion, thus minimizing the possibility of mating incorrect devices.

On the inside are the kinds of features that separate Hubbell from all the rest. The cord grip has been designed with offset gripping jaws to securely hold the conductors – not just the cord jacket. Hubbell's box terminals speed wiring and provide a superior termination. The plug's thermoplastic polyester interior provides excellent heat resistance without compromising strength.

In all, it's the combination of function and performance that Hubbell demands of all its products. That is why we will never add a feature that compromises performance.

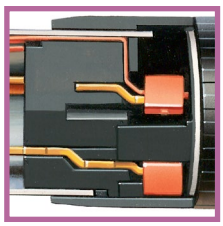






Housing Design

- Housing assembly latch slotted to fit standard flat-blade screwdriver providing secure assembly and fast disassembly for wiring
- Super tough nylon housing offers better impact qualities



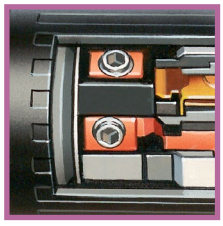
Internal Design

- Thermoplastic polyester interior provides heat resistance and impact strength
- 6/6 nylon nose – thermoplastic polyester terminal cover provides heat resistance in terminal area and impact strength of nose piece



Safety

- Stainless steel shroud restricts mismating with the wrong device
- Padlock capable shroud allows compliance to OSHA lockout tagout regulation 29 CFR 1910.147



Terminals

- Box terminal with hex socket threaded slug is superior because it permits high clamping pressure on conductors without damaging strands



Installation

- Three-piece thermoplastic cord clamp assembly with stainless steel fast lead screws provides a more consistent, durable grip
- Sealed cable entry keeps out moisture and dust



Contacts

- One-piece grounding contact on 4-wire devices provides a more reliable grounding system for a safer device

50A Plugs and Connector Bodies

50 Amp, 125, 250 Volts and 480 Volts AC

IP20 SUITABILITY



50A 125V UL/CSA



50A 250V UL/CSA

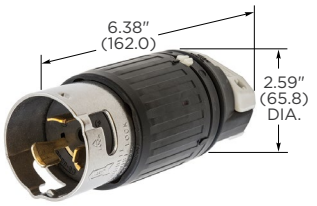


50A 480V AC UL/CSA

Plugs

Description	Cord Dia.	Catalog Number		
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	CS6361C	CS8265C	CS8465C

Note: See page C-60 for accessories.

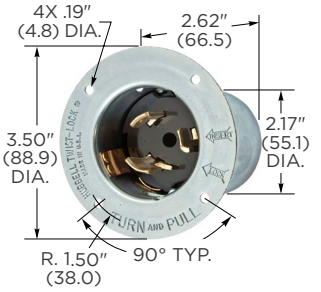


CS8265C

Flanged Inlets

Description	Catalog Number		
Zinc plated steel casing, thermoset interior.	CS6377	CS8275	CS8475†

Note: †Not CSA Certified.



CS8275

IP20 SUITABILITY



50A 125V UL/CSA



50A 250V UL/CSA



50A 480V AC UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Number		
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	CS6360C	CS8264C	CS8464C

Note: See page C-60 for accessories.

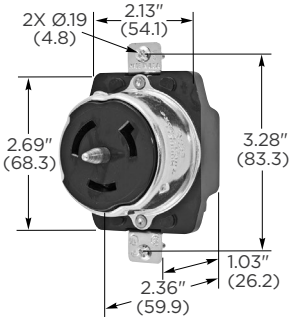


CS8264C

Receptacles

Description	Catalog Number		
Black phenolic.	CS6370	CS8269	CS8469†

Note: See page C-60 for accessories. †Not CSA Certified.



CS8269

Dimensions in Inches (mm)

50 Amp, 125/250, 3Ø 250 Volts and 3Ø 480 Volts AC

IP20 SUITABILITY



50A 125/250V AC UL/CSA



50A 3Ø 250V AC UL/CSA



50A 3Ø 480V AC UL/CSA

Plugs

Description	Cord Dia.	Catalog Number		
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	CS6365C	CS8365C	CS8165C

Note: See page C-60 for accessories.

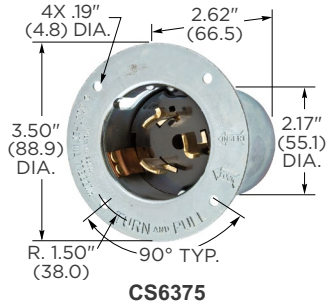


CS6365C

Flanged Inlets

Description	Catalog Number		
Zinc plated steel casing, thermoset interior.	CS6375	CS8375	CS8175
Zinc plated steel casing, thermoset interior with lift cover.	CS6375M2	—	—
Gray Valox® housing and flange.	HBL6375S*	—	—

*Note: *Type 3R (not shown).*



CS6375

IP20 SUITABILITY



50A 125/250V AC UL/CSA



50A 3Ø 250V AC UL/CSA

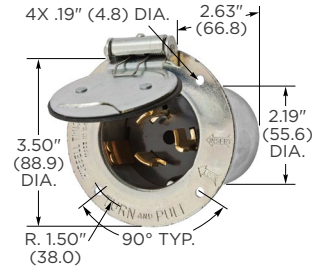


50A 3Ø 480V AC UL/CSA

Connector Bodies

Description	Cord Dia.	Catalog Number		
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	CS6364C	CS8364C	CS8164C
Insulgrip® Connector with conduit adapter. Capable of accepting metallic or non-metallic conduit fittings.	1/2" NPT Size 3/4" NPT Size 1" NPT Size	— — —	CS8364CA05 CS8364CA34 CS8364CA10	— — —

Note: See page C-60 for accessories.

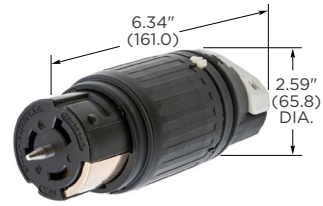


CS6375M2

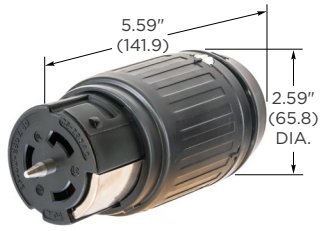
Receptacles

Description	Catalog Number		
Black phenolic.	CS6369	CS8369	CS8169

Note: See page C-60 for accessories.

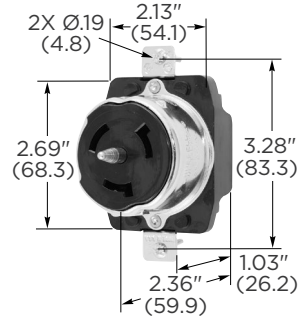


CS6364C



CS8364CA05


CS8364CA05
(Rear View)



CS6369

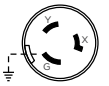
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

50A Plugs and Connector Bodies

50 Amp, 250 Volts DC and 600 Volts AC

IP20 SUITABILITY



50A 250V DC
50A 600V AC

Plugs

Description	Cord Dia.	Catalog Number
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	HBL3763C

Note: See page C-60 for accessories.

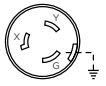


HBL3763C

Flanged Inlets

Description	Catalog Number
Zinc plated steel casing, thermoset interior.	HBL3777
Zinc plated steel casing, thermoset interior with lift cover.	HBL3767

IP20 SUITABILITY

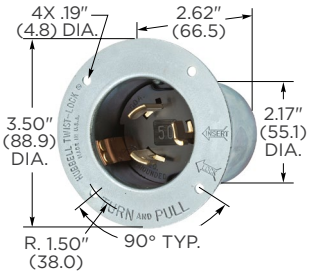


50A 250V DC
50A 600V AC

Connector Bodies

Description	Cord Dia.	Catalog Number
Nylon housing, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	HBL3762C

Note: See page C-60 for accessories.

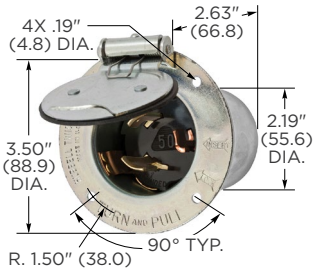


HBL3777

Receptacles

Description	Catalog Number
Black phenolic.	HBL3771

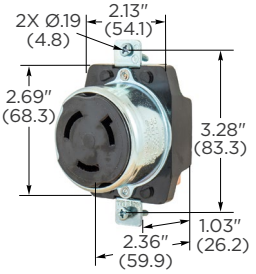
Note: See page C-60 for accessories.



HBL3767



HBL3762C



HBL3771

Dimensions in Inches (mm)

50 Amp, 250 Volts DC and 600 Volts AC

IP20 SUITABILITY





Plugs

Description	Cord Dia.	Catalog Number	
Nylon cover, thermoplastic polyester interior.	.830"-1.250" (21.08-31.75)	HBL3765C	HBL7765C

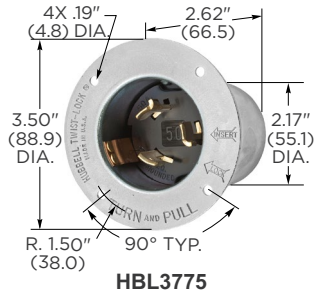
Note: See page C-60 for accessories.



HBL3765C

Flanged Inlets

Description	Catalog Number	
Zinc plated steel casing, thermoset interior.	HBL3775	HBL7958
Zinc plated steel casing, thermoset interior with lift cover.	HBL3768	HBL7968



HBL3775

IP20 SUITABILITY

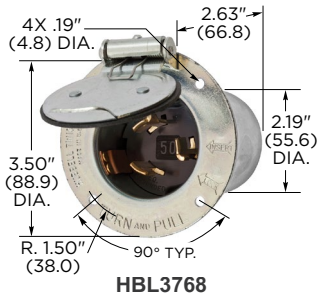




Connector Bodies

Description	Cord Dia.	Catalog Number	
Nylon cover, thermoplastic polyester interior.	.830"-1.250"(21.08-31.75)	HBL3764C	HBL7764C

Note: See page C-60 for accessories.

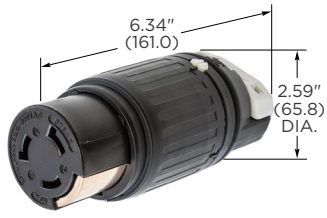


HBL3768

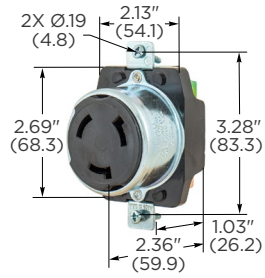
Receptacles

Description	Catalog Number	
Black phenolic.	HBL3769	HBL7379

Note: See page C-60 for accessories.



HBL3764C



HBL3769

Important Note: Catalog numbers HBL7765C, HBL7958, HBL7968, HBL7764C, HBL7379 are for replacement use only. See other singly rated 50A Twist-Lock® devices in this section. HBL3700 series Twist-Lock devices do not interchange with any other devices in this section.

Dimensions in Inches (mm)

50A Twist-Lock Accessories

IP44 SUITABILITY

Weatherproof Receptacle Lift Cover Plates for FS/FD Box Mounting

Description	Catalog Number
Corrosion resistant, gray thermoplastic.	HBL7774WO
Same as above except yellow.	HBL77CM74WO
Cast aluminum.	HBL7770

Note: See page P-21 for additional information on weatherproof covers.



HBL7770

Receptacle Plates for FS/FD Box Mounting

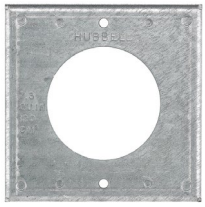
Description	Catalog Number
Cast aluminum with lift cover.	HBL7382•*
Same as above less lift cover.	HBL7383•
Stainless steel, single gang, wallplate.	SS750‡



SS750

Receptacle 1/2" Raised Cover

Description	Catalog Number
Galvanized Steel fits 4" square or 2-gang box.	HBL50SC‡



HBL50SC

Conduit Adapters for 50A Twist-Lock® Plugs and Connectors

Description	NPT Thread Size	Catalog Number
Thermoplastic housing, conduit adapters for use with CS style 50A Twist-Lock® devices. Available in 1/2", 3/4" and 1" NPT thread sizes.	1/2" 3/4" 1"	CS50CA05 CS50CA34 CS50CA10

IP55** SUITABILITY

Weatherproof Boots

Description	Catalog Number
Seal-Tite® triple seal black elastomeric cover for plugs when used in a cord set and connector bodies when used with flanged inlets.	HBL7716C†
Seal-Tite triple seal black elastomeric cover for connector bodies when used with cord sets.	HBL7717C†

Inlet Closure Plug

Description	Catalog Number
Black closure plug.	HBL4892†



CS50CA34

Replacement Parts

Description	Catalog Number
Cord clamp Kit.	HBLCSCK

Note: •Will only fit non-"CS" type 50A Twist-Lock receptacles.
**Not UL Listed "WDL Closed".*
***When installed and used properly with plug and connector body combinations.*
‡ IP20 Suitability.
†Not UL Listed.



HBL7716C



HBL4892



HBLCSCK



HBL7717C

Dimensions in Inches (mm)

Features and Benefits



The Hubbellock devices feature an exclusive design unlike any other in the industry. The unique design is built to provide the safest heavy duty device even in some of the harshest environments. These Hubbellock plugs and connector bodies are built with a super tough nylon housing for high impact resistance and a one of kind interior design for superior safety that Hubbell is known for.

The male contacts are molded into the nose for damage resistance and completely eliminate the chance of deformity. Additionally, the plug as well as the connector retains powerful mechanical cord grips that not only secure the cable but also clamp down on the conductors in order to provide unrivaled strain relief.

Inside the connector is Hubbell's unique safety design. With unparalleled box terminations the connector interior holds a spring-loaded safety shutter to provide the ultimate arc protection. Furthermore the exceptional heat and impact resistance is maintained by the thermoplastic interior contributing to a longer lasting device.

In all, the one of a kind function of the Hubbellock devices provide a safe and dependable performance in the most demanding applications.

Note: The cut-away views below are construction elements pertaining specifically to the 30A Hubbellock series. While the Hubbellock contact interface design applies to all, there are construction elements that are different, depending on the amperage.



Housing Design

- Insulated non-metallic housing enhances safety and abuse resistance
- Impact resistance in the interior of the female device comes from a strong thermoplastic material



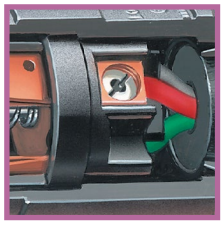
Internal Design

- No "lazy" connections because a spring-loaded safety shutter automatically ejects the plug if it hasn't been properly locked into the female device; this eliminates teasing of the contacts, a major cause of contact burn-up
- Arcs are snuffed out, when devices are mated or unmated under load, by spring-loaded safety shutter



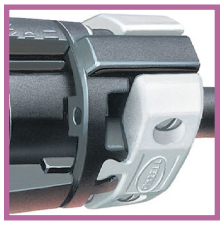
Safety

- Enhanced safety because access to live female contacts is restricted by the spring-loaded safety shutter



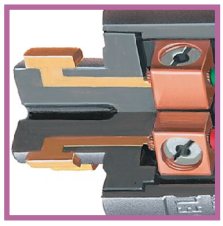
Terminals

- Superior wire terminations are assured with box terminals and screws with pressure pads; this design captures stray wire strands and permits more clamping pressure on the wire without damaging it - loosening of terminations and resulting heat build-up are greatly reduced



Installation

- Three-piece thermoplastic clamp assembly with fast-lead stainless screws provides a more consistent durable grip
- Grommets provide a sealed cable entry that protects against the entry of moisture and dust



Contacts

- Positive locking is ensured by the nose of the plug being keyed into a detent in female device. this lock is independent of the contacts or a separate mechanical lock
- Longer contact life is assured by supplementary springs; other devices rely just on contacts themselves to provide proper contact pressure

20 Amp, 125 Volts

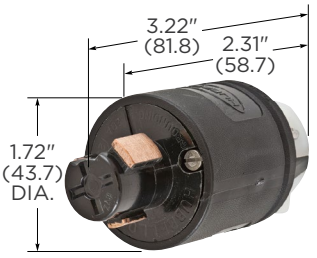
IP30 SUITABILITY



20A 125V

Plug

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	HBL23035B



HBL23035B



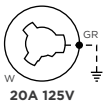
20A 125V

Connector Body

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	HBL23032B



HBL23032B

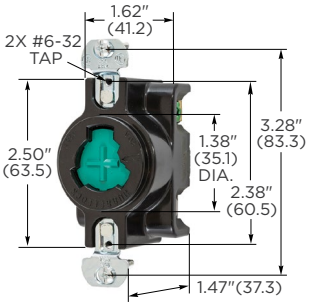


20A 125V

Receptacle

Description	Catalog Number
Black phenolic, back wired.	HBL23030

Note: Devices listed above are not interchangeable with any other Hubbellock device listed in this catalog.



HBL23030

Weatherproof Covers

Description	Catalog Number
Gray polycarbonate for FS/FD box mounting, corrosion resistant. IP44 suitability.	HBL7423WO
Same as above except yellow.	HBL74CM23WO
Cast aluminum, lift cover for indoor use only.	HBL23007
Stainless steel 302/304, single receptacle wallplate.	SS7
Stainless steel 430, single receptacle wallplate.	SS7L


HBL7423WO


HBL23007

Dimensions in Inches (mm)

20 Amp, 125 Volts AC or DC, 10 Amp, 250 Volts DC, 480 Volts AC

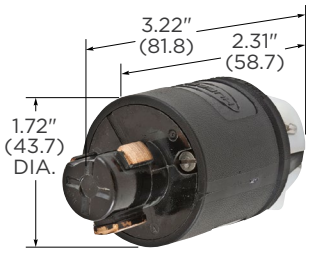
IP30 SUITABILITY



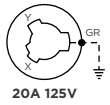
20A 125V

Plug

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	HBL23005GB



HBL23005GB



20A 125V

Connector Body

Description	Cord Dia.	Catalog Number
Nylon housing, thermoset interior.	.320"-.660" (8.12-16.5)	HBL23002GB



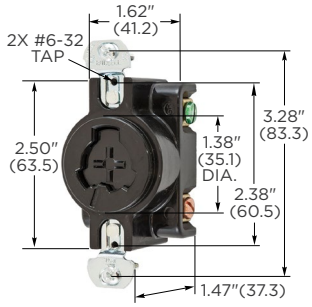
HBL23002GB



20A 125V

Receptacle

Description	Catalog Number
Black phenolic, back wired.	HBL23000G



HBL23000G

Weatherproof Covers

Description	Catalog Number
Gray polycarbonate for FS/FD box mounting, corrosion resistant. IP44 suitability.	HBL7423WO
Same as above except yellow.	HBL74CM23WO
Cast aluminum, lift cover for indoor use only.	HBL23007
Stainless steel 302/304, single receptacle wallplate.	SS7
Stainless steel 430, single receptacle wallplate.	SS7L


HBL7423WO


HBL23007

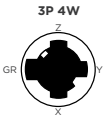
Dimensions in Inches (mm)

30 Amp, 600 and 480 Volts AC, 20 Amp, 250 Volts DC

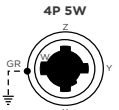
IP30 SUITABILITY



30A 600V AC
20A 250V DC



30A 480V AC

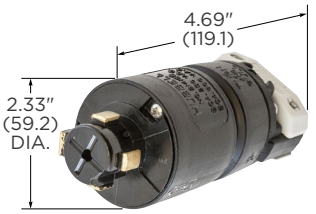


30A 600V AC
20A 250V DC

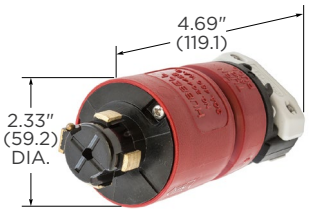
Plugs

Description	Cord Dia.	Catalog Number		
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	HBL21415B	—	—
Same as above except corrosion resistant.	.700"-1.200" (17.78-30.5)	HBL21CM415B	—	—
Red nylon housing, thermoset interior.	.700"-1.200" (17.78-30.5)	—	HBL20445B†	—
Black nylon housing, thermoset interior, steel shroud.	.700"-1.200" (17.78-30.5)	—	—	HBL25415B

Note: See page C-68 for accessories.
†Not CSA Certified.



HBL21415B



HBL20445B

Flanged Inlets

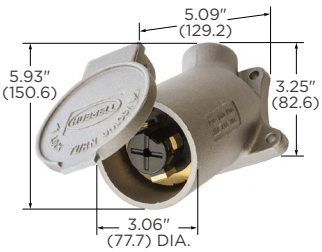
Description	Catalog Number		
Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting.	HBL22CM428	—	—
Black phenolic interior, aluminum housing, for FS/FD box mounting (not shown).	HBL20418	—	—
Aluminum angle housing, with 3/4" NPT hub for surface mounting.	HBL21447	—	—



HBL25415B



SEHBL3 - Switched enclosure for use with 3 pole 4 wire 30A Hubbellock receptacle. Receptacle not included. See page C-46 for additional information.

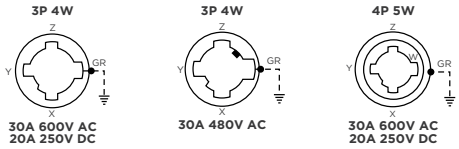


HBL21447

Dimensions in Inches (mm)

30 Amp, 600 and 480 Volts AC, 20 Amp, 250 Volts DC

IP30 SUITABILITY



Connector Bodies

Description	Cord Dia.	Catalog Number		
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	**HBL21414B**	—	—
Same as above except corrosion resistant.	.700"-1.200" (17.78-30.5)	**HBL21CM414B**	—	—
Red nylon housing, thermoset interior.	.700"-1.200" (17.78-30.5)	—	**HBL20444B**	—
Black nylon housing, thermoplastic interior.	.700"-1.200" (17.78-30.5)	—	—	**HBL25414B**

Note: See page C-68 for accessories.

Receptacles

Description	Catalog Number		
Black phenolic.	**HBL20403**		
Weathertight, corrosion resistant, nickel plated brass plate, for FS/FD box mounting. IP44 suitability.	**HBL22CM427**	—	—
Aluminum angle housing, with 3/4" NPT hub for surface mounting. IP44 suitability.	**HBL21420**	—	—
Black phenolic, red center insert.	—	**HBL20443**	—
Black phenolic interior, aluminum housing, blue finish, for FS/FD box mounting.	—	—	**HBL25403**
Black phenolic interior, aluminum weatherproof housing, blue finish for FS/FD box mounting. IP44 suitability.	—	—	**HBL25250**

Note: See page C-68 for accessories.

Receptacle Accessories

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	**HBL7428WOG***
Thermoplastic, wet and damp locations with cover "open", yellow.	**HBL7428WOY***
Thermoplastic, wet and damp locations with cover "open", red.	**HBL7428WOR***
Cast aluminum, wet locations only when cover "closed" and damp locations, lift cover plate.	**HBL20405**
Cast aluminum, wet locations only when cover "closed" and damp locations, red finish.	**HBL20446**
302/304 stainless, single gang, smooth. NOT weatherproof.	**SS737**

*Note: *Features two #6-32 threaded inserts to back mount device to cover.*



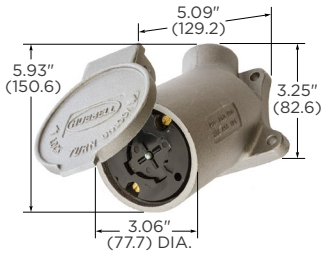
HBL21414B



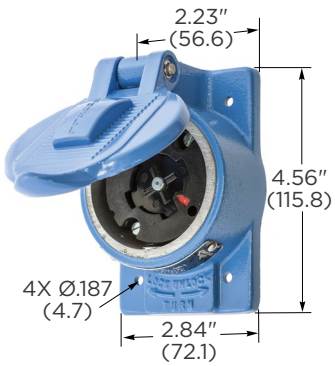
HBL20444B



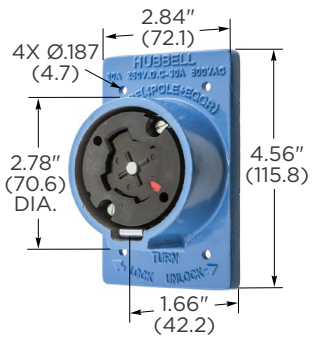
HBL25414B



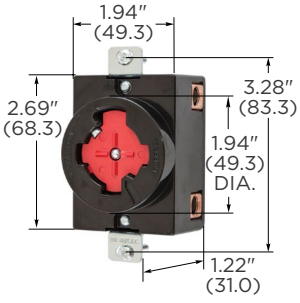
HBL21420



HBL25250



HBL25403

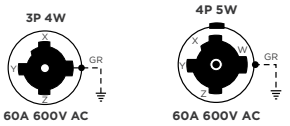


HBL20443

Dimensions in Inches (mm)

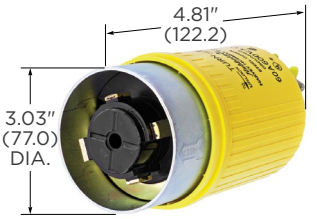
60 Amp, 600 Volts AC

IP30 SUITABILITY

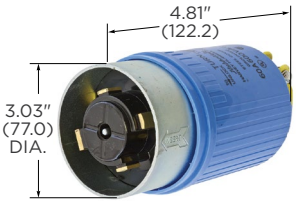


Plugs

Description	Cord Dia.	Catalog Number	
Black phenolic interior with yellow thermoplastic sleeve over steel housing.	.920″-1.450″ (23.36-36.83)	HBL26419	—
Black phenolic interior with blue thermoplastic sleeve and steel housing.	1.00″-1.50″ (25.40-38.10)	—	HBL26519



HBL26419

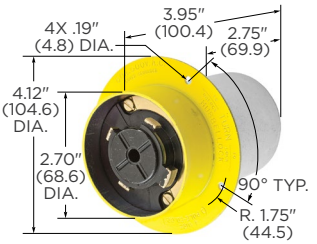


HBL26519

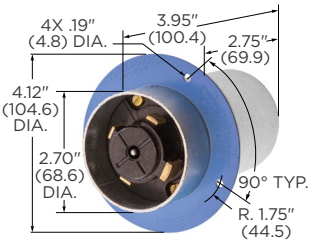
IP30 SUITABILITY

Flanged Inlets

Description	Catalog Number	
Black phenolic interior with steel housing and flange.	HBL26422	—
Black phenolic interior with steel housing and flange with blue finish.	—	HBL26522



HBL26422

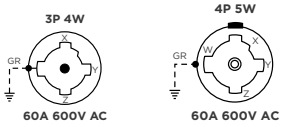


HBL26522

Dimensions in Inches (mm)

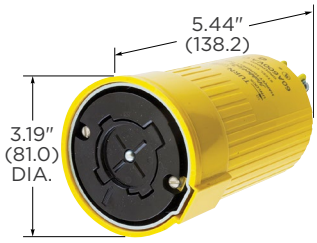
60 Amp, 600 Volts AC

IP30 SUITABILITY



Connector Bodies

Description	Cord Dia.	Catalog Number	
Black phenolic interior with yellow thermoplastic sleeve over steel cover.	.920"-1.450" (23.36-36.83)	HBL26418	—
Black phenolic interior with blue thermoplastic sleeve over steel cover.	1.00"-1.50" (25.40-38.10)	—	HBL26516

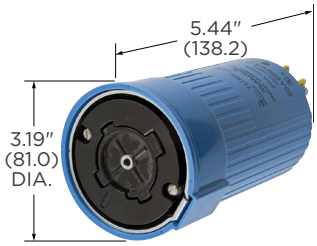


HBL26418

IP44 SUITABILITY

Receptacles

Description	Catalog Number	
Black phenolic interior with short aluminum housing and lift cover.	HBL26410	—
Black phenolic interior with long aluminum housing and lift cover.	HBL26420	—
Black phenolic interior with long aluminum housing with lift cover and blue finish.	—	HBL26520

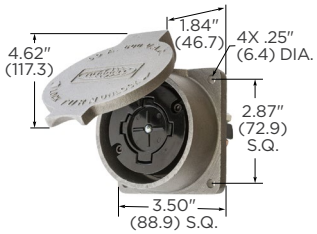


HBL26516

IP30 SUITABILITY

Flanged Receptacles

Description	Catalog Number	
Black phenolic interior with steel housing and flange.	HBL26421	–
Black phenolic interior with steel housing and flange with blue finish.	—	HBL26521

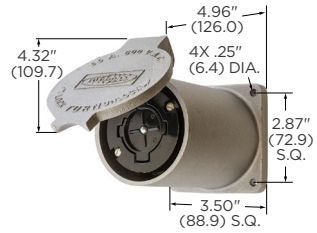


HBL26410

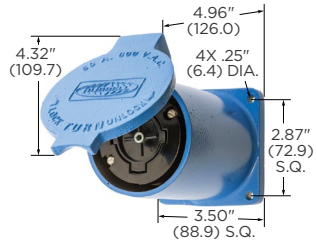
Receptacle Box and Adapter Plates (Box requires one adapter)

Description	Catalog Number
Box, cast aluminum, only for 60A Hubbellock receptacles.	HBL26401
Straight adapter plate.	HBL26402
45° adapter plate.	HBL26404

Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box. Cannot be used with round flanged receptacles and inlets.
See page C-68 for additional information.



HBL26420



HBL26520

Dimensions in Inches (mm)

Hubbellock Accessories

30 Amp Hubbellock® Receptacle Plates for FS/FD Box Mounting

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7428WOG*
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL7428WOY*
Thermoplastic, wet and damp locations with cover "open", red.	HBL7428WOR*
Cast aluminum, wet location only when cover "closed" and damp locations, lift cover plate.	HBL20405
Cast aluminum, wet location only when cover "closed" and damp locations, red finish.	HBL20446
302/304 stainless, single gang, smooth. NOT weatherproof.	SS737

*Note: *Features two #6-32 threaded inserts to back mount device to cover.*

IP54 SUITABILITY



HBL20405

Switched Enclosure

Description	Catalog Number
Switched enclosure for use with 30A 3 pole 4 wire Hubbellock receptacle. Receptacle not included.	SEHBL3

Note: For more information on switched enclosures see page C-46.



SEHBL3

Liquidtight Metallic Conduit Adapters

Description	Catalog Number
Adapter for use with 1/2" NPT conduit fittings.	SAB12
Adapter for use with 3/4" NPT conduit fittings.	SAB34

Boots

Description	Catalog Number
"Mini" boot for 4 wire Hubbellock connector body.	HBL20424B†
"Mini" boot for 4 wire Hubbellock plug.	HBL20425B†

Note: †Not UL Listed or CSA Certified.


SAB34

60 Amp Hubbellock® Accessories

Receptacle Box and Adapter Plates (Box requires one adapter)

Description	Catalog Number
Box, cast aluminum, only for 60A Hubbellock receptacles.	HBL26401
Straight adapter plate.	HBL26402
45° adapter plate.	HBL26404

Note: Straight or angle adapter plate must be used when mounting a 60A receptacle to HBL26401 box. Cannot be used with round flanged receptacles and inlets.

Kellems® Cable Grip

Description	Cord Diameter	Catalog Number
Cable grip.	.830"-1.000" (21.1-25.4)	H660A
Cable grip (not shown).	1.000"-1.140" (25.4-28.9)	H661A
Cable grip (not shown).	1.125"-1.328 (28.6-33.7)	H662A

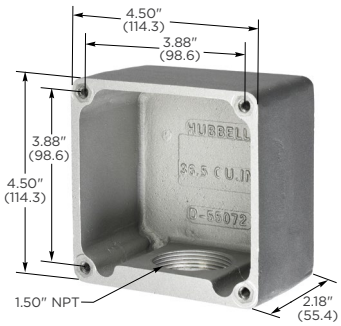


HBL20424B

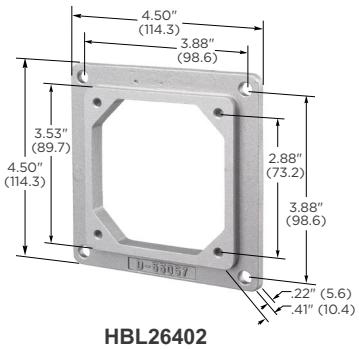


HBL20425B

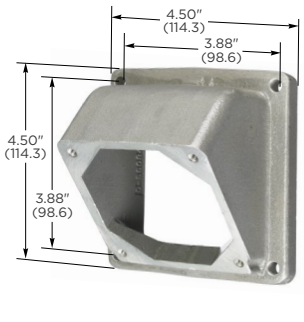

H660A



HBL26401



HBL26402



HBL26404

Dimensions in Inches (mm)

15-30 Amp Twist-Lock® and Safety-Shroud® Devices

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles). Fed. Spec. W-C-596 (Insulgrip® and Safety-Shroud). Certified to CSA Standard C22.2 No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Plugs and Connector Bodies (Insulgrip)	15-30A
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black nylon (yellow in "CM" devices)
Cord Clamp	Natural (white) nylon
Dust Shield	EPDM
Blades/Contacts	Brass
Terminal Clamp	Cold rolled steel – nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Cord Clamp Screws	Steel, zinc plated
Body Holding Screws	Steel, zinc plated

Flanged Inlet/ Receptacles	15-30A
Flanged Casing	Natural (white) nylon
Blade/Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades/Contacts	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Cold rolled steel, nickel plated
Terminal Screws	15A (8-32), 20-30A (10-32) Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Screws Screw Sizes	Nickel plated brass round head screws 15A: 6-32, 3/8" long 20A and 30A: 8-32, 7/16" long

Receptacle, Single	15A	20A and 30A
Cover (Top)	Nylon (Black)	Nylon (Black)
Base	PBT	PBT
Contact Springs	.031" Brass	.040" Brass
Clamp	.031" Brass	.040" Brass
Ground Contact	.031" Brass	.040" Brass
Ground Shunt	–	.015" Brass
Bridge (Mounting Strap)	.050" Steel, zinc plated	–
End Plates (Mounting)	–	.050" Brass
Back Plate	–	.040" Brass
Terminal Screws	Brass (8-32)	Brass (10-32) (white finish on neutral screw when used)
Grounding Screw	Brass (Green)	Bronze (Green)
Flat Head Mounting Screws	Steel, zinc plated	Steel, zinc plated
Auto Ground Clip	Stainless steel	Stainless steel (Used only on IG receptacle)

Safety-Shroud Receptacles Angle, Surface Semi-Flush	20-30A
Housing and Mounting Flange	Gray Valox®
Mounting Plate (Angle Housing Only)	Galvanized steel
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Body Holding Screws	Steel, zinc plated
Contact Springs	Brass
Spring Binding Plate	Brass
Terminal Clamp	Steel, nickel plated .080" curved, scalloped
Terminal Screws	10-32 Brass (white finish on neutral screw when used)
Grounding Screw	Brass (green finish)
Mounting Plate Screws	Steel, zinc plated
Wallplate Mounting Screws	Steel, zinc plated

Safety-Shroud Twist-Lock Plug	20-30A
Insulgrip Plug with Safety-Shroud installed	
Safety-shroud	White Valox®
Cord Clamp	White nylon

Performance (Twist-Lock and Safety Shroud Devices)	Electrical
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise Fed. Spec.	Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).

Performance (Twist-Lock and Safety Shroud Devices)	
Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.
Cord Grip Accommodation (Insulgrip)	15A: .230"-.720" (5.8-18.3); 20A and 30A 3W: .360"-.930" (9-24); 20A and 30A 4W-5W: .350"-1.150" (9-29).
Terminal Identification	Terminals identified in accordance with UL 498 (X, Y, Z, White, Green).
Terminal Accommodation	20A and 30A, #16-#8 AWG. 15A, #18-#10 AWG. #14-#10AWG (EdgeConnect) Solid or stranded copper wire only.
Product Identification	Ratings are a permanent part of the device housing.

Environmental (Twist-Lock and Safety Shroud Devices)	
Flammability (Enclosure)	HB or better per UL94/CSA 22.2 No. 0.17.
Plugs, Connectors, Flanged Receptacles and Flanged Inlets Receptacles (Box Mount)	V2 or better.
Operating Temperatures	Maximum Continuous 75°C Minimum -40°C (w/o impact).

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

20 and 30 Amp Watertight Safety-Shroud® Twist-Lock® Devices

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Certified to CSA Standard No.42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).
Fed. Spec. WC-596.
UL Listed, CSA Certified to Type 4, 4X and Type 12.

Part	Materials
Watertight Safety-Shroud Plug (Insulgrip®)	**20 and 30A**
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Cover (Housing)	Black Valox®
Cord Clamp	White Valox
Blades	Brass
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Clamp Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Neoprene EPDM Blend
Watertight Safety-Shroud Connector (Insulgrip)	**20 and 30A**
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Contact Spring	Brass
Spring Binding Plate	Brass
Cover (Housing)	Black Valox
Cord Clamp	White Valox
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screws when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Cord Grip Screws	Stainless steel 302/304, combination head
Body Holding Screws	Stainless steel 302/304, combination head
Closure Cap and Strap	Polypropylene with Neoprene gasket
Watertight Safety-Shroud Receptacle, Single*	**20 and 30A**
Housing and Flange	Gray Valox
Body Contact Carrier	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Drive Screws	Steel, zinc plated
Contact Spring	Brass
Spring Binding Plate	Brass
Terminal Clamp	Steel, nickel plated .080" curved, scalloped
Flange Gasket	Closed-cell neoprene foam
Lid Gasket	Closed-cell neoprene foam
Cover Hinge Pin	Stainless steel 302/304
Cover Spring	Stainless steel 302/304
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Mounting Screws	Stainless steel 302/304 combination head
Watertight Safety-Shroud Flanged Inlet	**20 and 30A**
Housing and Flange	Gray Valox
Blade Holder	Natural (white) nylon
Terminal Retainer	Clear polycarbonate
Blades	Brass
Drive Screws	Steel, zinc plated
Terminal Clamp	Steel, nickel plated .080" curved scalloped
Terminal Screws	10-32 brass (white finish on neutral screw when used) multiple drive head
Grounding Screw	Brass (green finish) combination head
Closure Cap	Neoprene EPDM blend
Mounting Screws	Stainless steel 302/304 combination head

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max 30°C temperature rise at full rated current after 250 cycles of overload at 200% of rated current at a power factor of 75% (WC 596).
Mechanical	
Cord Accommodation (Plugs and connectors only)	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49.
Cord Grip Accommodation	20 and 30A, 3W: .32"-.93" (8.1-24.0mm) #16-3 Type SJ-#8-3 Type S, SO;
Terminal Identification	20 and 30A, 4W: .35"-1.15" (9.0-29.2mm) #16-4 Type SJ-#8-4 Type S, SO;
Terminal Accommodation	20 and 30A, 5W: .35"-1.15" (9.0-29.2mm) #16-5 Type S, SO - #8-5 Type S, SO.
Product Identification	Terminals identified in accordance with UL 498 (X, Y, Z, White, Green).
	#16- #8 AWG solid or stranded copper wire only.
	Ratings are a permanent part of the device blade holder, and are also labeled on device color coded by voltage, visible in use. Catalog No. I.D. is on device visible in use.
Environmental	
Moisture Resistance	Type 4, 4X, 12, IP66 suitability.
Flammability (Enclosure)	V0 per UL94 or CSA 22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C (w/o impact).

*Note: *Suitable for use as a flanged receptacle.*
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
Dimensions in Inches (mm)

50 Amp Twist-Lock® Devices

Specifications

Listings

Listed to UL Standard 498 (Attachment Plugs and Receptacles).
Certified to CSA Standard No. 42 (General Use Receptacles, Attachment Plugs and Similar Wiring Devices).

Part	Materials
Plug (Twist-Lock)	**50A**
Blade Holder	Thermoplastic polyester (black)
Power Blades	Brass
Terminal Set Screw	Stainless steel
Terminal Retainer	Thermoplastic polyester
Front and Rear (housing)	Supertough nylon
Cord Clamp	Thermoplastic polyester (white)
Seal	Neoprene
Seal Cup	Nylon
Box Terminal	Copper
Latches	Supertough nylon
Ground Contact Spring	One piece copper/nickel
Cord Clamp Screws	302/304 Stainless steel
Shroud	302/304 Stainless steel

Part	Materials
Connector (Twist-Lock)	**50A**
Contact Nose	Nylon (black)
Terminal Retainer	Thermoplastic polyester (black)
Terminal Set Screw	302/304 Stainless steel
Contact Spring	Brass
Assembly Ring	302/304 Stainless steel
Front and Rear (housing)	Supertough nylon (black)
Latches	Supertough nylon (white)
Cord Clamp	Thermoplastic polyester (white)
Box Terminal	Copper
Contact Holder	Thermoplastic polyester (black)
Ground Contact	One piece copper/nickel
Seal Cup	Nylon
Cord Grip screws	302/304 Stainless steel
Seal	Neoprene

Flanged Inlet (Twist-Lock)	**50A**
Flanged Casing	.062" Steel, zinc plate
Blade Holder	Phenolic
Pressure Screws	Steel, zinc plate
Blades	.100" Brass
Ground Spring	.025" Bronze
Terminals	.050" Steel, brass finish
Grounding Terminal	.062" Copper, green finish
Round Head Screws	Steel, zinc plate

Receptacle (Twist-Lock)	**50A**
Body	Phenolic
Face	Phenolic
Contact Springs	.100" Brass alloy
Contact Binding Plates	.100" Brass
Ground Contact	.031" Brass
Insulator	.093" Laminated phenolic
Bridge (Mounting Strap)	.062" Steel, zinc plate
Pressure Screws	Steel, zinc plate
Terminals	.050" Steel
Casing	.062" Steel, zinc plate
Center Pin (CS Devices)	Steel, zinc plate

Product Identification

Ratings	Molded into face for all devices and stamped into stainless steel shroud on plug devices.
Catalog Number	Molded into face for plug and connector bodies and stamped into stainless steel shroud on plug devices.

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	600 Volts RMS.
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current (UL 498).
Mechanical	
Terminal Accommodation	#8 AWG min. - #4 AWG max. Solid or stranded copper wire only.
Cord Grip Accommodation	Round cords types: S, SO, ST .830"-1.250" (21.08-31.75).
Environmental	
Flammability	UL 94 V0 for Receptacles and Inlets. HB or better for Plugs and Connectors.
Operating Temperatures	Maximum continuous 75°C; minimum –40°C (w/o impact).

Note: Please consult the factory for product dimensions and specifications for other products listed in this catalog.

Dimensions in Inches (mm)

Switched Twist-Lock® and Hubbellock® Enclosures

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell SETL3/SEHBL3-SE2730A.
Description	Lockable Switched Enclosure. This unit is a complete enclosure ready to accept any 20 or 30A Twist-Lock or 30A Hubbellock receptacle.
Electrical Type	2 Pole + Earth through 4 Pole and Earth.
Rating	20 or 30A, 125V through 3ØY 347/600V AC.
Configuration	NEMA Locking L5-20R through L23-30R.
Enclosure Type	Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability. Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout).
Enclosure Material	Non-metallic enclosure suitable for metallic conduit.

Materials

Part	Materials
Base	Valox®
Top	Valox
Handle	Valox
Conduit Hub	Zinc 3/4" watertight
Enclosure Gasket	Neoprene
Shaft	Valox
Shaft Seal	Molded neoprene
Frame	Galvanized steel
Lift Cover	Valox®
Enclosure Screws	Stainless steel 300 series
Hinge Spring and Pin	Stainless steel 300 series

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V minimum.
Max. Working Voltage	600V RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles; Electrical 6,000 cycles.
Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label and receptacle face.
Weight	3.5 pounds.
Mounting	External fully adjustable feet.
Environmental	
Moisture Resistance	Outdoor – Type 3R (Rainproof, Sleet, External Ice), IP54 suitability. Indoor – Type 12K (Dust-tight, Falling Dirt, Noncorrosive Liquids, with Knockout).
Flammability	UL94 – 5 VA and V0 classification.
Operating Temperature	Maximum continuous +75°C; Minimum continuous -40°C.
UV Resistance	All materials are UV stabilized.

Note: This device provides on/off switched control of a plug connected load and includes lockout provision: ON-OFF control knob (in the OFF position) accepts up to a 5/16" (8.0) diameter shackle of suitable padlock lockout device to isolate energy from the receptacle and cord connected equipment as a method of compliance to OSHA Lockout/Tagout Regulation 29CRF Part 1910.147.

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
Dimensions in Inches (mm)

Mechanical Interlock Switched Safety Enclosures

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell HBLMITL.
Description	Circuit-Lock Mechanical Interlock.
Electrical Type	2 Pole + Earth through 4 Pole and Earth.
Rating	Up to 30A, 3Ø 600V AC.
Enclosure Type	Outdoor – 4X (Watertight, Washdown); Indoor – 12K (Dust-tight, Falling Dirt and noncorrosive liquids with knockout. IP66 suitability.
Enclosure Material	Non-metallic enclosure suitable for metallic conduit.

Materials

Part	Materials
Base	Valox®
Top	Valox
Handle	Valox
Conduit Hub	Zinc 3/4" watertight
Enclosure Gasket	Neoprene
Shaft	Valox
Shaft Seal	Neoprene
Frame	Galvanized steel
Enclosure Screws	Stainless steel 300 series

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V Min.
Max. Working Voltage	600V RMS.
Current Interrupting	Certified for current interrupting at full rated current voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle.
Operations	Mechanical 10,000 cycles; Electrical 6,000 cycles.
Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA.
Product Identification	Identification and ratings are part of the external label and receptacle face.
Weight	3.5 pounds.
Mounting	External full adjustable feet.
Environmental	
Moisture Resistance	Outdoor – 4X (Hose-Directed Water, Corrosion Resistance), IP66 suitability.
Flammability	Meets UL 94V0 material classification.
Operating Temperature	Maximum continuous +75°C; Minimum continuous -40°C.
UV Resistance	All exposed materials are UV stabilized.

Valox is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

Valise® Plugs and Connectors

Specifications

Plugs
Typical Specification - Catalog No. HBL4723VY.
Description - Straight Body Plug
Type – 2 Pole, 3 Wire, Grounding
Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V
Certification – UL Listed File E1706, CSA Certified
IP Suitability – IP20

Part	Materials
Plug	15, 20 and 30A
Housing	Nylon
Blades	Brass
Ground Blade	Brass
Terminal Screws	Steel multiple drive
Cable Inserts	Polyphenylene Oxide
Terminal Clamps	CR Steel
Body Holding Screws	Steel multiple drive

Connector Bodies
Typical Specification- Catalog No. HBL4729VY
Description – Straight Body Connector
Type – 2 Pole, 3 Wire, Grounding
Rating – 15 and 20A 125V, 250V, and 277V AC, 30A 125 and 250V
Certification – UL Listed File E1706, CSA Certified
IP Suitability – IP20

Part	Materials
Connector	15, 20 and 30A
Housing	Nylon
Contact and Ground Springs	Brass
Terminal Screws	Steel multiple drive
Cable Inserts	Polyphenylene Oxide
Terminal Clamps	CR Steel
Body Holding Screws	Steel multiple drive

Performance

Electrical	
Dielectric Voltage	Withstands 2,000V minimum.
Max. Working Voltage	125V, 250V or 277V AC as rated.
Current Interrupting	Certified for full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% rated DC current.
Mechanical	
Terminal Identification	Screw Color per UL 498 (Brass, White and Green).
Terminal Accommodation	15A-18 to 12AWG. Solid or stranded copper wire only. 20A-18 to 10AWG. Solid or stranded copper wire only. 30A-14 to 8AWG. Solid or stranded copper wire only.
Product Identification	Molded rating on device face.
Torque	12 in-lb terminal screws, 7 in-lb assembly screws.
Cord Range	
15A	.220" to .660" (5.6mm to 16.8mm).
20A	.325" to .720" (8.26mm to 18.3mm).
30A	.590" to .930" (15.0mm to 23.6mm).
Environmental	
Flammability	UL 94HB.
Operating Temperature	Maximum continuous 75°C, minimum -40°C (w/o impact).
Standards	
Listed to UL Standard UL498	
Certified to CSA Standard C22.2 No. 42	

Dimensions in Inches (mm)





Watertight Devices



FD Boxes and Angled Adapters



GFCI Protected FD Box

Watertight Safety-Shroud® Twist-Lock® Devices
- 20A and 30A Devices D-3
- Accessories D-4

Plugs and Connectors
- 15A and 20A, Straight Blade Devices D-6
- 15A Twist-Lock Devices D-6
- 20A and 30A, Twist-Lock Devices D-7
- Accessories D-8

FD Boxes and Angled Adapters D-9

GFCI Protected FD Box D-10

Portable Outlet Boxes and Covers D-11

Heavy Duty Portable Outlet Boxes and Plates D-12

Dimensions D-13

Technical Information D-14

Watertight Safety-Shroud® Twist-Lock® Devices

Features and Benefits

- Virtually eliminates bent and broken plug blades, leading to longer equipment life
- Extends life of mating receptacles by eliminating damage caused by insertion of bent blades
- Extra protection for personnel by significantly reducing chance of inadvertent contact with blades when connecting or disconnecting energized receptacles and connector bodies
- Reduces exposure to arcing when connecting or disconnecting plugs under load
- Compliance with California Code of Regulations, Title 8, Article 51, subsection 2510.7(b), which requires shrouding for devices exceeding 300 volts
- Lockout/tagout hole allows compliance with OSHA regulation 29 CFR 1910.147

Note: Works with Mechanical Interlocks, see page C-41 for additional information.

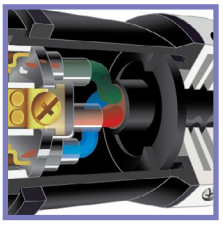






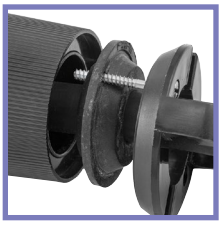
Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavy duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



Assembly

- Cord grip screw recess minimizes screwdriver slippage
- All screws are #10 multiple drive head



Cord Range

- Assorted TPE seal glands can accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO
- Sealing gland and thermoplastic guard prevents water ingress from entering the device at the cord end



Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy duty industrial environments
- Mounting screw recesses minimize screwdriver slippage
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices



Identification

- Catalog number and color-coded voltage rating are easily visible even when in use
- Alignment arrows and lock and unlock symbols provide a visual indication that devices are properly connected



Spring-Loaded Cover

- One-step, push-to-close, spring-loaded cover with latch allows for fast opening and closing of lift cover
- Result: Environmental sealing is assured

Fed. Spec.

20 Amp and 30Amp Straight Blade Devices






	NEMA Rating Color Coded by Voltage	Plug/ Connector	Poles/ Wires	Plug	Connector	Flanged Inlet	Receptacle
20 Amp	NEMA L5-20 20A 125V		2P/3W	**HBL2311SW**	**HBL2313SW**	**HBL2315SW**	**HBL2310SW**
	NEMA L6-20 20A 250V		2P/3W	**HBL2321SW**	**HBL2323SW**	**HBL2325SW**	**HBL2320SW**
	NEMA L7-20 20A 277V AC		2P/3W	**HBL2331SW**	**HBL2333SW**	**HBL2335SW**	**HBL2330SW**
	NEMA L14-20 20A 125/250V AC		3P/4W	**HBL2411SW**	**HBL2413SW**	**HBL2415SW**	**HBL2410SW**
	NEMA L15-20 20A 3Ø 250V AC		3P/4W	**HBL2421SW**	**HBL2423SW**	**HBL2425SW**	**HBL2420SW**
	NEMA L16-20 20A 3Ø 480V AC		3P/4W	**HBL2431SW**	**HBL2433SW**	**HBL2435SW**	**HBL2430SW**
	NEMA L21-20 20A 3ØY 120/208V AC		4P/5W	**HBL2511SW**	**HBL2513SW**	**HBL2515SW**	**HBL2510SW**
30 Amp	NEMA L5-30 30A 125V		2P/3W	**HBL2611SW**	**HBL2613SW**	**HBL2615SW**	**HBL2610SW**
	NEMA L6-30 30A 250V		2P/3W	**HBL2621SW**	**HBL2623SW**	**HBL2625SW**	**HBL2620SW**
	NEMA L14-30 30A 125/250V AC		3P/4W	**HBL2711SW**	**HBL2713SW**	**HBL2715SW**	**HBL2710SW**
	NEMA L15-30 30A 3Ø 250V AC		3P/4W	**HBL2721SW**	**HBL2723SW**	**HBL2725SW**	**HBL2720SW**
	NEMA L16-30 30A 3Ø 480V AC		3P/4W	**HBL2731SW**	**HBL2733SW**	**HBL2735SW**	**HBL2730SW**
	NEMA L17-30 30A 3Ø 600V AC		3P/4W	**HBL2741SW**	**HBL2743SW**	**HBL2745SW**	**HBL2740SW**
	NEMA L21-30 30A 3ØY 120/208V AC		4P/5W	**HBL2811SW**	**HBL2813SW**	**HBL2815SW**	**HBL2810SW**

Mechanical Interlock Switched Safety Enclosure

Description	Catalog Number
Unfused mechanical interlock integrates a watertight safety shroud receptacle with a linked disconnect switch. See page C-41 for additional information.	**HBLMITL**



HBLMITL

Dimensions in Inches (mm)

Specifications for Heavy Duty Portable Outlet Boxes and Cover Plates

Listings

Listed to UL Standard 498
Certified to CSA Standard No.42
Fed. Spec. WC-596

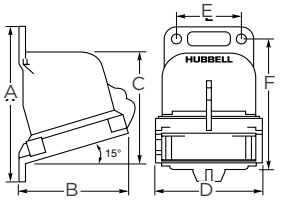
Environmental

Moisture Resistance	UL Type 4, 4X, 12, IP66 suitability
Flammability (Enclosure)	V0 per UL94 or CSA 22.2 No. 0.17
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C (without impact)

15° Angle Non-Metallic Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud® Twist-Lock® receptacles and inlets.	1″	5.67″ (144.0)	4.44″ (112.8)	4.05″ (102.9)	3.91″ (99.3)	2.35″ (59.7)	4.92″ (125.0)	30.00″	**BB2030N**

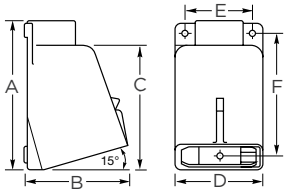
Note: Hub is not included; order Raco part number 1704. This box meets IP69K requirement and Type 4X requirements when installed with a watertight conduit hub.



Non-Metallic Angle Box

15° Angle Metallic Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets.	3/4″	5.13″ (130.2)	4.00″ (101.6)	4.19″ (106.4)	3.75″ (95.3)	3.00″ (76.2)	4.00″ (101.6)	30.00″	**BB201W**
	1″	5.13″ (130.2)	4.00″ (101.6)	4.19″ (106.4)	3.75″ (95.3)	3.00″ (76.2)	4.00″ (101.6)	30.00″	**BB301W**

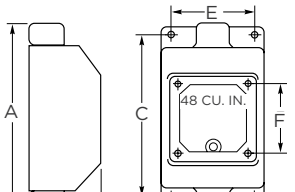


Metallic Angle Box

Metallic Feed Thru Back Boxes

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets.	3/4″	8.25″ (209.6)	3.06″ (77.8)	7.14″ (181.4)	4.50″ (114.3)	3.75″ (95.3)	3.13″ (79.5)	48.00″	**FT202W**
	1″	8.25″ (209.6)	3.06″ (77.8)	7.14″ (181.4)	4.50″ (114.3)	3.75″ (95.3)	3.13″ (79.5)	48.00″	**FT302W**

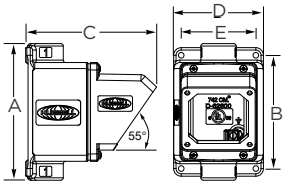
Note: These boxes are cast aluminum and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL raintight and external icing tests. NPT (metric designator).



Metallic Feed Thru Box

55° Angle Metallic Adapter and Back Box

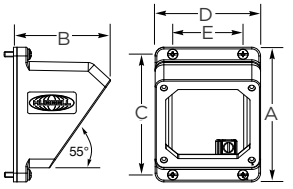
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets.	1″	6.80″ (172.4)	5.63″ (142.9)	6.60″ (167.0)	4.50″ (114.3)	3.74″ (95.0)	—	45.27″	**AB203055**



AB203055

55° Angle Metallic Adapter with Grounding Lug

Description	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
For 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets.	4.89″ (172.4)	3.33″ (167.0)	4.29″ (142.9)	3.75″ (114.3)	2.50″ (95.0)	—	25.00″	**AA203055**



AA203055

Straight Watertight Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles and inlets to 2-gang, device mount, FD boxes.	**HBL2030AP**


HBL2030AP

Non-Watertight Angle Wall Box Adapter

Description	Catalog Number
Adapts 20A and 30A Watertight Safety-Shroud Twist-Lock receptacles to 1- or 2-gang standard wall boxes (4″ or 41-1/16″ square).	**AA2030PS**


AA2030PS

Dimensions in Inches (mm)

Features and Benefits

- The triple bypass seal provides a Watertight UL Type 4X and IP69K seal where devices are mated
- The cone seal at the cable entrance provides protection from water ingress
- Strongest strain relief for any Watertight device on the market, utilizing the patented Gotcha® ring and collapsible bushing combination
- Nickel plated brass contacts and stainless steel screws provide corrosion resistance for metallic components
- Impact resistant, smooth, thermoplastic elastomer body helps collection point and aids in easy debris removal
- Floating cap rings allows for easy removal of dirt and debris
- Lubricated bushing for ease of installation



Industry's First IP69K Devices

Superior water ingress protection uniquely designed for the most extreme wash down procedures, withstanding hot and high pressure water, in addition to excessively dusty environments.



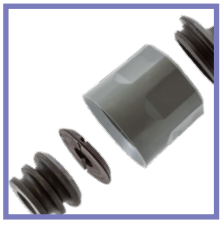
Housing Design

- LED version illuminates to let you know that the device is wired properly
- Smooth body design minimizes collection points simplifying the wash down process
- Strain relief nut always seals on the body regardless of cable size, eliminating areas of debris collection



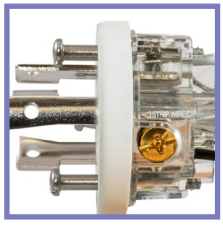
Assembly

- Keyed interior for easy installation
- All stainless steel hardware and corrosion resistant connection points
- Screws captured into the interior



Cord Range

- Hubbell's patented Gotcha® ring and collapsible bushing yields the industry's best strain relief
- Cone seal adjusts to any cable range
- Unique cone seal prevents dirt and debris from collecting at the cable entrance



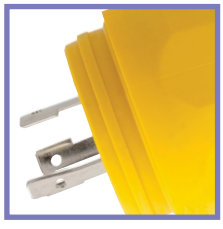
Terminals

- High conductivity brass termination



Protection

- Triple bypass seal keeps water away from electrical connections and works with previously installed devices
- Free-floating cap allows unwanted material to wash away during sanitation



Plug Blades

- Corrosion resistant connection points

Watertight Receptacles with Lift Covers

Features and Benefits

Hubbell Watertight receptacles with lift covers provide an impact resistant UL Type 4X seal combined with corrosion resistant metallic components. These universal covers can house any NEMA listed straight blade receptacles as well as any NEMA listed Twist-Lock® receptacles. The Watertight receptacles can either be mounted to FD/FS boxes (see page D-9) or panel mounted to a flat surface. Combined, this makes a diversified product with the high quality needed in industrial, wet and wash down applications.

IP65,66,67,69K*
SUITABILITY

UL Type 4, 4X





Housing Design

- Impact resistant PBT material lid and cover plate
- Thermoplastic elastomer seal
- Lockable cover meets OSHA Lockout/Tagout regulations



Assembly

- Stainless steel mounting hardware
- Stainless steel hinge spring and pin

15 Amp and 20 Amp Straight Blade Devices

	Rating	Plug/ Connector	Poles/ Wires	Color	Plug	Connector	Receptacle with Lift Cover	Duplex Receptacle with Lift Cover
15 Amp	NEMA 5-15 15A 125V		2P/3W	Yellow Black Clear	HBL14W47A HBL14W47BK HBL14W47AWC	HBL15W47A HBL15W47BK HBL15W47AWC	HBL60W47 HBL60W47BK —	HBL60W47D — —
15 Amp	NEMA 6-15 15A 250V		2P/3W	Yellow	HBL14W49	HBL15W49	HBL60W49	HBL60W49D
20 Amp	NEMA 5-20 20A 125V		2P/3W	Yellow Clear	HBL14W33A HBL14W33AWC	HBL15W33A HBL15W33AWC	HBL60W33 —	HBL60W33D —
20 Amp	NEMA 6-20 20A 250V		2P/3W	Yellow	HBL14W48	HBL15W48	HBL60W48	HBL60W48D



HBL14W47AWC



HBL15W47A

15 Amp Twist-Lock® Devices

	Rating	Plug/ Connector	Poles/ Wires	Color	Plug	Connector	Receptacle with Lift Cover	Duplex Receptacle with Lift Cover
15 Amp	NEMA L5-15 15A 125V		2P/3W	Yellow Black Clear	HBL24W47A HBL24W47BK HBL24W47AWC	HBL25W47A HBL25W47BK HBL25W47AWC	HBL65W47 — —	HBL65W47D — —
15 Amp	NEMA L6-15 15A 250V		2P/3W	Yellow	HBL24W49	HBL25W49	HBL65W49	HBL65W49D
15 Amp	NEMA L7-15 15A 277V AC		2P/3W	Yellow Black	HBL24W34 HBL24W34BK	HBL25W34 HBL25W34BK	HBL65W34 —	HBL65W34D —



HBL60W47



HBL60W47D

*Note: *Single and duplex receptacles while in use, not with cover closed.*

Dimensions in Inches (mm)

20 Amp and 30 Amp Twist-Lock® Devices

	Rating	Plug/ Connector	Poles/ Wires	Color	Plug	Connector	Receptacle with Lift Cover
20 Amp	NEMA L5-20 20A 125V		2P/3W	Yellow Black Clear	HBL26W47 HBL26W47BK HBL26W47WC	HBL27W47 HBL27W47BK HBL27W47WC	HBL67W47 — —
	NEMA L6-20 20A 250V		2P/3W	Yellow Black	HBL26W48 HBL26W48BK	HBL27W48 HBL27W48BK	HBL67W48 HBL67W48BK
	NEMA L7-20 20A 277V AC		2P/3W	Yellow	HBL26W49	HBL27W49	HBL67W49
	NEMA L14-20 20A 125/250V AC		3P/4W	Yellow	HBL26W74	HBL27W74	HBL67W74
	NEMA L15-20 20A 3Ø 250V AC		3P/4W	Yellow Black	HBL26W75 HBL26W75BK	HBL27W75 HBL27W75BK	HBL67W75 HBL67W75BK
	NEMA L16-20 20A 3Ø 480V AC		3P/4W	Yellow Black	HBL26W76 HBL26W76BK	HBL27W76 HBL27W76BK	HBL67W76 HBL67W76BK
	NEMA L21-20 20A 3ØY 120/208V AC		4P/5W	Yellow Black	HBL26W81 HBL26W81BK	HBL27W81 HBL27W81BK	HBL67W81 —
	NEMA L22-20 20A 3ØY 277/480V AC		4P/5W	Yellow	HBL26W82	HBL27W82	HBL67W82
	NEMA L23-20 20A 3ØY 347/600V		4P/5W	Yellow	HBL26W83	HBL27W83	HBL67W83
	20A 125/250V Non-NEMA		3P/3W	Yellow	HBL26W08	HBL27W08	HBL67W08
	20A 3ØY 120/208V AC Non-NEMA		4P/4W	Yellow	HBL26W09	HBL27W09	HBL67W09
30 Amp	NEMA L5-30 30A 125V		2P/3W	Yellow Black	HBL28W47 HBL28W47BK	HBL29W47 HBL29W47BK	HBL69W47 —
	NEMA L6-30 30A 250V		2P/3W	Yellow Black	HBL28W48 —	HBL29W48 —	HBL69W48 HBL69W48BK
	NEMA L7-30 30A 277V AC		2P/3W	Yellow	HBL28W49	HBL29W49	HBL69W49
	NEMA L14-30 30A 125/250V AC		3P/4W	Yellow	HBL28W74	HBL29W74	HBL69W74
	NEMA L15-30 30A 3Ø 250V AC		3P/4W	Yellow Black	HBL28W75 HBL28W75BK	HBL29W75 HBL29W75BK	HBL69W75 HBL69W75BK
	NEMA L16-30 30A 3Ø 480V AC		3P/4W	Yellow Black	HBL28W76 HBL28W76BK	HBL29W76 HBL29W76BK	HBL69W76 HBL69W76BK
	NEMA L17-30 30A 3Ø 600V AC		3P/4W	Yellow	HBL28W77	HBL29W77	HBL69W77
	NEMA L18-30 30A 3ØY 120/208V AC		4P/4W	Yellow	HBL28W78	HBL29W78	—
	NEMA L21-30 30A 3ØY 120/208V AC		4P/5W	Yellow Black	HBL28W81 HBL28W81BK	HBL29W81 HBL29W81BK	HBL69W81 —
	NEMA L22-30 30A 3ØY 277/480V AC		4P/5W	Yellow	HBL28W82	HBL29W82	HBL69W82
	NEMA L23-30 30A 3ØY 347/600V AC		4P/5W	Yellow	HBL28W83	HBL29W83	HBL69W83
	30A 125/250V Non-NEMA		3P/3W	Yellow	HBL28W08	HBL29W08	HBL69W08
	30A 3ØY 120/208V AC Non-NEMA		4P/4W	Yellow	HBL28W09	HBL29W09	—

IP69k NSF UL SP

UL Type 4, 4X, 6P

IP65,66,67,69K*
SUITABILITY


HBL24W47A


HBL25W47A


HBL26W47WC


HBL27W47WC


HBL26W47


HBL27W47BK


HBL27W47


HBL67W48

*Note: *Single and duplex receptacles while in use, not with cover closed.*

Dimensions in Inches (mm)

IP65,66,67 SUITABILITY

UL Type 4, 4X









UL Type 4X Watertight Lift Covers

	Description	Color	Lift Cover
Lift Cover Assembly	For use with 15A or 20A straight blade receptacles and 15A Twist-Lock® receptacles; receptacle not included.	Yellow Black	**HBL6500** **HBL6500BK**
	For use with 20A Twist-Lock receptacles; receptacle not included. Note: When mating with HBL26W09, 20A Non-NEMA plug, use HBL6800 cover.	Yellow Black	**HBL6700** **HBL6700BK**
	For use with 30A Twist-Lock receptacles; receptacle not included.	Yellow Black	**HBL6800** **HBL6800BK**



HBL6500

Interiors

	Device	125V		3Ø 250V AC		3Ø 480V AC	
		Plug	Receptacle	Plug	Receptacle	Plug	Receptacle
15A	Straight Blade Locking	**HBL14W47IN** **HBL24W47IN**	**HBL15W47IN** —	— —	— —	— —	— —
20A	Locking	—	**HBL27W47IN**	**HBL26W75IN**	—	**HBL26W76IN**	**HBL27W76IN**
30A	Locking	—	—	**HBL28W75IN**	**HBL29W75IN**	**HBL28W76IN**	**HBL29W76IN**



HBL28W75IN



HBL29W75IN

Bushings, Cone Seals and Closure Caps

	Device	Bushings	Cone Seals	Closure Caps	
				Yellow	Black
15A	Straight Blade and Locking	**HBLWTB1**	**HBLWTCS1**	**HBL50W50**	**HBL50W50BK**
20A	Straight Blade and Locking	**HBLWTB1**	**HBLWTCS1**	**HBL50W50**	**HBL50W50BK**
30A	Locking	**HBLWTB3**	**HBLWTCS3**	**HBL50W54**	**HBL50W54BK**



HBLWTB1



HBL50W50

Dimensions in Inches (mm)

Features and Benefits

Hubbell FD boxes and angled adapters are made of high impact resistant material. They are the only NEC® compliant box system that has enough wiring room for a 50A Twist-Lock® device. The stainless steel mounting and grounding bracket provides corrosion resistance, necessary in direct wash down applications. The FD Boxes are UL Type 4X rated when used with Watertight Lift Covers, i.e. HBL6500 or HBL6700 as well as with a blank plate such as HBL60CM88. The box and angled adapter can either be purchased separately or as a kit. The FD box and Adapter can be used with any single or duplex receptacle up to a 50A Twist-Lock®.

IP65,66,69K*
SUITABILITY

UL Type 4X





Housing Design

- 30 cu. in. FD box made of high impact thermoplastic material
- 3/4" NPT and 1" NPT threaded hub options
- Stainless steel mounting/ grounding bracket
- External mounting feet accept #10 screws



Assembly

- 55° angle adapter (15 cu. in.)
- External mounting feet, accepts #8 screw
- Accepts duplex and single receptacles up to a 50A Twist-Lock

FD Boxes and Angled Adapters

	Description	Catalog Number
Boxes	(2) 3/4" NPT hubs, FD box, yellow.	HBL60CM83A
	(2) 3/4" NPT hubs, FD box, white.	HBL60CM83WA
	(2) 3/4" NPT hubs, FD box, gray.	HBL6083
	(2) 1" NPT hubs, FD box, yellow.	HBL60CM84A
	(2) 1" NPT hubs, FD box, white.	HBL60CM84WA
	(2) 1" NPT hubs, FD box, gray.	HBL6084
Adapters	55° angle adapter, yellow.	HBL60CM55
	55° angle adapter, white.	HBL60CM55W
	55° angle adapter, gray.	HBL6055
Covers	Blank cover plate, yellow.	HBL60CM88
	Blank cover plate, white.	HBL60CM88W
	Blank cover plate, gray.	HBLP14FS

*Note: *Plug, receptacle and FD box required for IP69K rating.*
Angled adapters are not UL/CSA listed or UL Type 4X.



HBL60CM83A



HBL60CM55

HBL60CM88W



HBL60CM88



HBLP14FS

Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Features and Benefits

The GFCI protected FD box provides a UL Type 4X GFCI enclosure made for wet and damp locations for 30A 120V and 240V Watertight receptacles. The GFCI response time does not exceed .025 seconds ensuring a safe circuit shut down if the current were to deviate from its path. Auto resetting GFCI box, when connected to an FD box by utilizing a PolyTuff® liquid tight conduit provides advanced safety features for Watertight devices.



UL Type 4X



GFCI Housing Design

- UL enclosure Type 4X, for wet and damp locations; components are UL and CSA Listed
- 30A, 120V and 240V with auto reset
- GFCI response time is .025 sec. Max.
- Grounded neutral protection trips if ground and neutral touch at load side



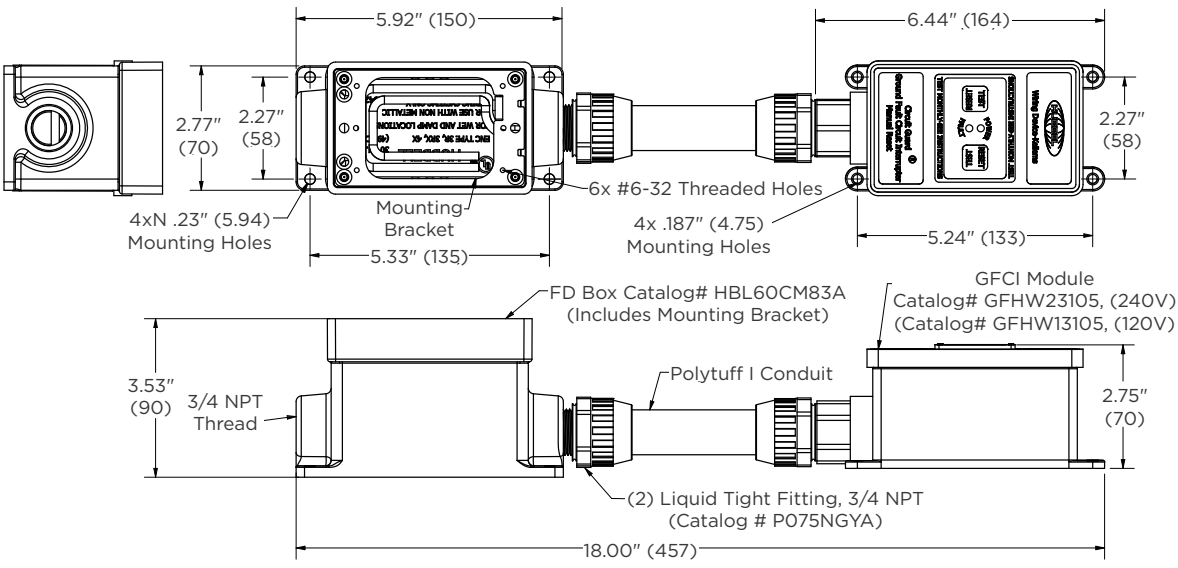
FD Box

- Utilizes PolyTuff liquidtight conduit and fittings
- UL enclosure Type 4X, for wet and damp locations; components are UL and CSA Listed
- For use with single and duplex watertight receptacles (single phase only)

Note: Watertight receptacles purchased separately.

GFCI Protected FD Box

	Description	Catalog Number
FD Box	Watertight FD box, GFCI module, 30A 120V, yellow.	**HBLWTGF120**
	Watertight FD box, GFCI module, 30A 240V, yellow.	**HBLWTGF240**





HBLWTGF120
HBLWTGF240

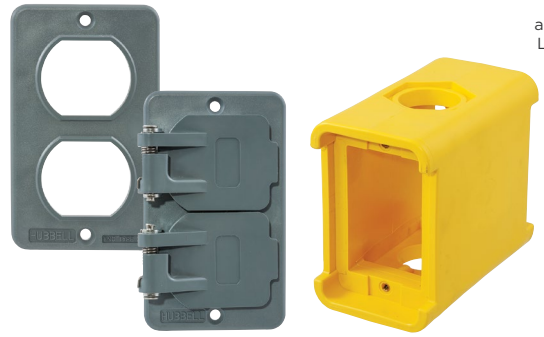
Dimensions in Inches (mm)

Features and Benefits

The thermoplastic elastomer material of the Portable Outlet Box provides a strong housing with enough capacity for multiple devices to fit, with cord feed through options available. The impact resistant PBT covers add to the durability of the box and the devices inside. There are several cord connectors available ranging from standard to deluxe, providing unmatched strain relief. The covers provide a UL Type 3R weather resistant seal suitable for wet and damp locations. Portable Outlet Boxes are available as pre-assembled or can be configured as needed.

IP44 SUITABILITY

Box Suitable for Wet and Damp Locations





Housing Design

- Fully thermoplastic elastomer housing exceeds UL crush requirements
- Wiring room large enough to accommodate the broadest range of device requirements in one size box
- Extended wall protects lift covers from impact damage
- Brass inserts for maximum strength



Covers

- Impact resistant PBT material
- UL Type 3R seal on a panel or on a portable outlet box
- Stainless steel hinge and spring

Pre-Assembled Portable Outlet Boxes (with Cord Connector Installed)

	Description	Cord Range Inches (mm)	Catalog Number
Boxes	Portable outlet box, deep, yellow.	.38"-.50" (9.7-12.7)	HBL3099
	Portable outlet box, deep, feed thru, yellow.	.38"-.50" (9.7-12.7)	HBL3090F
	Portable outlet box, deep, yellow with (2) duplex plates.	.38"-.50" (9.7-12.7)	HBL3000







Configurable Portable Outlet Boxes

	Empty Box Options	Catalog Number	Cord Range Inches (mm)	Cord Connector Options		Deluxe Cord Connectors
				Gray Nylon	Black Nylon	
Boxes	Outlet box, yellow	HBL3080	.38"-.50" (9.7-12.7)	SHC1039CR	—	—
	Outlet box, black	HBL3080BK	.50"-.63" (12.7-15.9)	SHC1040CR	SHC2040CR	CG810NM
	Feed thru box, yellow	HBL3080F	.63"-.75" (15.9-19.0)	SHC1041CR	SHC2041CR	074011341
	Feed thru box, black	HBL3080FBK	.75"-.88" (19.0-22.2)	SHC1042CR	SHC2042CR	074011342
			.88"-1.00" (22.2-25.4)	SHC1043CR	SHC2043CR	074011343
			.59"-1.00" (15.0-25.4)	SEC100GA	SEC100BA	—

Note: All configurable portable outlet boxes include locknut. Cord connectors sold separately.



HBL3099



HBL3090F



HBL3000



HBL3080BK



HBL3080F

Covers for Portable Outlet Boxes and Panels

	Description	UL Type 3R	UL Type 1
Box Covers	Outlet box cover, duplex receptacle.	HBL3056	HBL3051
	Outlet box cover, 1.39" diameter receptacle.	HBL3057	HBL3052
	Outlet box cover, 1.572" diameter receptacle.	HBL3058	HBL3055
	Outlet box cover; GFCI.	HBL3061	HBL3060
	Outlet box coverplate, blank.	HBL3054	—

UL Type 3R



HBL3056



HBL3057

UL Type 1



HBL3051



HBL3052

Dimensions in Inches (mm)

Heavy Duty Portable Outlet Boxes and Plates

Heavy Duty Portable Outlet Boxes and Cover Plates

Description	Catalog Number
Box with cord strain relief, with one blank cover plate.	HBLPOB1
White box with cord strain relief, one blank white cover plate.	HBLPOB1L
Box with cord strain relief, with one blank cover plate, black.	HBLPOB1BK
Box with cord strain relief, with two duplex (indoor) cover plates.	HBLPOB1D
White box with cord strain relief, with two white duplex (indoor) cover plates.	HBLPOB1DL
Box with cord strain relief, with two duplex (indoor), yellow cover plates.	HBLPOB1DY
Blank, non-metallic FS cover plate with foam gasket, gray.	HBLP14FS
Blank, non-metallic FS cover plate with foam gasket, white.	HBLP14FSL
Duplex, non-metallic FS cover plate, gray.	HBLP8FS
Duplex, non-metal FS cover plate, white.	HBLP8FSL
Duplex, non-metallic FS cover plate, yellow.	HBLP8FSY
Single receptacle (1.39"), non-metallic FS cover plate, gray.	HBLP7FS
Single receptacle (1.56"), non-metallic FS cover plate, gray.	HBLP720FS
Rectangular opening, non-metallic FS cover plate, gray.	HBLP26FS
Rectangular opening, non-metallic FS cover plate, White.	HBLP26FSL



HBLPOB1



HBLPOB1L

Other Cover Plates and Devices Which May Be Used with Heavy Duty Portable Outlet Boxes

Description	Catalog Number
Duplex cover plate, weatherproof.	HBL5221, HBL52CM21
Single receptacle (1.39") cover plate, weatherproof.	HBL7423WO, HBL74CM23WO
Single receptacle (1.56") cover plate, weatherproof.	HBL7425WOA, HBL74CM25WOA
Safety-Shroud® Twist-Lock® surface receptacles.	HBL2310SR, HBL2320SR, HBL2330SR, HBL2610SR, HBL2620SR

Note: Standard product gray, CM yellow.



Cover Plates

Deluxe Cord Grips Straight Male Thread Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Grip Diameter Range Inches	(cm.)	Thread Size NPT (inches)	Form Size	Catalog Number
.375"-.500"	(.97-1.27)	3/4"	F3	074011335
.500"-.625"	(1.27-1.59)	3/4"	F3	074011336
.625"-.750"	(1.59-1.90)	3/4"	F3	074011337



Deluxe Cord Grips (purchased separately)

Nylon Cord Connector Straight Male Thread

Grip Diameter Range Inches	(cm.)	Thread Size NPT (inches)	Form Size	Catalog Number
.375"-.500"	(.97-1.27)	3/4"	F3	SHC1035CR
.500"-.625"	(1.27-1.59)	3/4"	F3	SHC1036CR
.625"-.750"	(1.59-1.90)	3/4"	F3	SHC1037CR

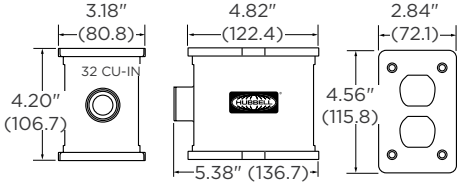


SHC103X

Specifications for Heavy Duty Portable Outlet Boxes and Cover Plates

UL Listed	UL 514C, UL467 and UL50 Enclosures Types 1, 3R
CSA Certified	C22.2 No. 18 and C22.2 No. 94 Enclosures Types 1, 3R and C22.2 No. 0.4 (Impedance)
Box Specifications Moisture Resistance	Wet and damp locations, Enclosure Type 3R when used with weatherproof cover plates. Dry, indoors locations, Enclosure Type 1 with all other cover plates
Flammability	UL 94V-0, 94-5VA classification
Operating Temperature	80°C maximum; -35°C minimum
UV Resistance	All materials are UV stabilized
Impact and Crush Resistance	in accordance with UL 514C, UL50, C22.2 No. 18 and C22.2 No. 94
Material	Valox®
Cord Connector Materials	Nylon nut; Nylon Gotcha® ring; Neoprene grommet
Cord Diameter Range	.38" to .75" diameter
Bonding Strap Material	Brass
Threaded Inserts	Brass
Grounding Screw Material	Brass
Indoor Cover Plate Screws Material	Zinc Plated Steel
Outdoor Cover Plate Screws	Stainless Steel
Material Cover Plate Gasket Material	UL recognized closed-cell foam (aging and oil resistant)

Dimensions



HBLPOB1

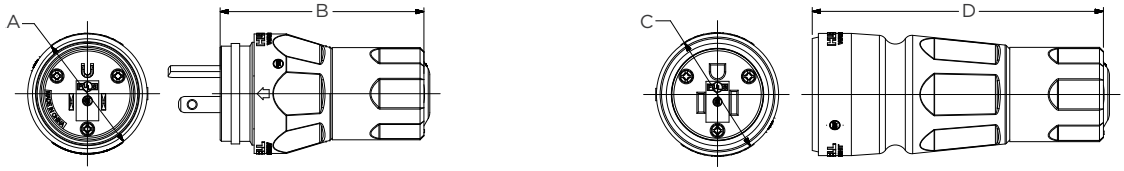
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

Plugs and Connectors Inches (mm)

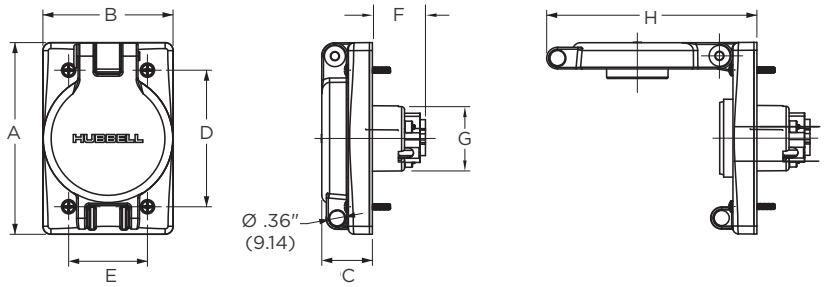
		15A & 20A Straight Blade	15A Non-NEMA Straight Blade	15A Twist-Lock®	20A Twist-Lock	30A Twist-Lock
Plugs	A	1.85″ (47.07)	1.63″ (41.40)	1.85″ (47.07)	2.51″ (63.70)	2.77″ (70.41)
	B	3.16″ (80.27)	2.68″ (68.00)	3.21″ (81.46)	3.96″ (100.69)	3.94″ (99.98)
Connectors	C	1.85″ (47.07)	1.80″ (46.00)	1.85″ (47.07)	2.51″ (63.70)	2.77″ (70.41)
	D	4.42″ (112.14)	4.00″ (102.00)	4.62″ (117.22)	5.69″ (144.55)	5.67″ (144.00)

Note: For HBL26W09 and HBL27W09 use 30A Twist-Lock® dimensions.



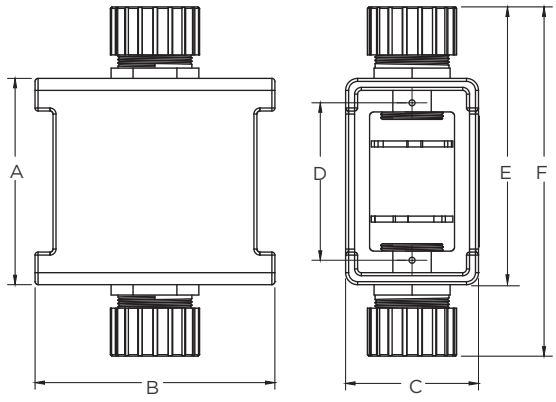
Receptacles with Lift Covers Inches (mm)

	15A & 20A Straight Blade	15A Twist-Lock	20A Twist-Lock	20A Non-NEMA	30A Twist-Lock	30A Non-NEMA
A	4.56″ (115.9)	4.56″ (115.9)	4.56″ (115.9)	4.56″ (115.9)	4.56″ (115.9)	4.56″ (115.9)
B	3.10″ (78.7)	3.10″ (78.7)	3.10″ (78.7)	3.10″ (78.7)	3.10″ (78.7)	3.10″ (78.7)
C	1.20″ (30.6)	1.20″ (30.6)	1.20″ (30.6)	1.20″ (30.6)	1.20″ (30.6)	1.20″ (30.6)
D	3.25″ (82.6)	3.25″ (82.6)	3.25″ (82.6)	3.25″ (82.6)	3.25″ (82.6)	3.25″ (82.6)
E	1.88″ (47.6)	1.88″ (47.6)	1.88″ (47.6)	1.88″ (47.6)	1.88″ (47.6)	1.88″ (47.6)
F	1.26″ (32.0)	1.46″ (37.1)	1.72″ (43.7)	2.26″ (57.4)	1.72″ (43.7)	1.97″ (50.0)
G	1.63″ (41.4)	1.63″ (41.4)	2.25″ (57.2)	2.25″ (57.2)	2.25″ (57.2)	2.25″ (57.2)
H	5.00″ (127.0)	5.00″ (127.0)	5.00″ (127.0)	5.00″ (127.0)	5.00″ (127.0)	5.00″ (127.0)



Portable Outlet Boxes Inches (mm)

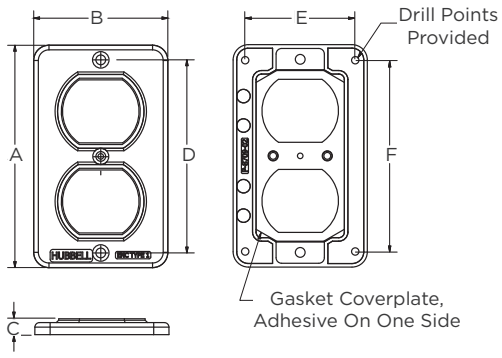
	Pre-Assembled	Configurable
A	4.30″ (109.2)	4.30″ (109.2)
B	5.00″ (127.0)	5.00″ (127.0)
C	2.77″ (70.4)	2.77″ (70.4)
D	3.28″ (83.3)	3.28″ (83.3)
E	5.79″ (147.0)	—
F	7.28″ (184.9)	—



Box Covers Inches (mm)

	Covers
A	3.78″ (96.0)
B	2.28″ (57.9)
C	0.27″ (6.9)
D	3.28″ (83.3)
E	1.87″ (47.5)
F	3.25″ (82.6)

Note: Style shown is representative of all openings.



Dimensions in Inches (mm)

Materials

Plug/Connector

Part	Materials
Blade/Contact Carrier	Nylon, white
Terminal Retainer	Polycarbonate, clear
Housing	Thermoplastic elastomer
Housing Insert	Nylon, white
Strain Relief Nut	PBT thermoplastic, gray
Blades/Contacts	Brass, nickel plated
Terminal Screws	Brass
Terminal Screw Size	#8-32 15A/20A Straight Blade and 15A Twist-Lock®; #10-32 20A and 30A Twist-Lock
Assembly Screws	Stainless Steel
Bushings	Thermoplastic elastomer, black
Gotcha Ring	Nylon
Cone Seal	Thermoplastic elastomer, black
Closure Cap	Thermoplastic elastomer

Receptacle Assembly

Part	Materials
Base, Flip Lid and Backplate	PBT
Seal Collar	Thermoplastic elastomer
Mounting Screws	Stainless Steel
Spring and Hinge Pin	Stainless Steel

Portable Outlet Box and Accessories

Part	Materials
Box Enclosure	Thermoplastic elastomer
Strain Relief Nut	PBT
Grommet	Thermoplastic elastomer
Gotcha Ring	Nylon
Locknut	Steel, zinc plate
Threaded Inserts	Brass
Receptacle Screw	Stainless steel
Cover Plate	PBT
Cover Plate Seal	Neoprene
Cover Plate Spring	Stainless steel
Hinge Pin	Stainless steel
Hinge Bracket	Zinc plated steel
Rivets	Zinc plated steel

Specifications

Listings (Plug/Connector and Flip Lid Assembly)
Listed to UL498 Certified to CSA C22.2 No. 42 Meets NEMA WD-1, WD-6, and ANSI standards IP66 Suitability NSF Certified (Plugs, Connectors and Receptacles)

FD Box/Adapter

Part	Materials
Box Enclosure	PBT
Ground Bracket	316 Stainless Steel
Ground Screw	Brass
Angle Adapter	PBT

Environmental

Box	UL Type 4X (with UL Type 4X receptacle assembly) UL Type 3R (with weatherproof cover plate)

Performance

Electrical

Dielectric Voltage	
Connectors:	2000V AC if rated 300V or less; 3000V AC if rated above 300V
Plugs:	2500V AC if rated 300V or less; 3500V AC if rated above 300V
Max Working Voltage	As marked
Current Interrupting	Rated for current interruption per UL498
Temperature Rise	30°C max per UL498 at rated current

Mechanical

Cord and terminal accommodations:

Plugs and Connectors

15 and 20A Straight Blade and 15A Locking	16/3 SJ (Ø.33″/8.4mm), 16/3 S (Ø.39″/9.9mm), 14/3 S (Ø.535″/13.6mm), 12/3 S (Ø.595″/15.1mm)
20A Locking Except HBL26W09 & HBL27W09	Min. Cord: 3 wire 14/3 to 12/3 S (Ø.535″-.595″) (Ø13.6-15.1 mm) 4 wire 12/4 to 10/4 S (Ø.650″-.715″) (Ø16.5-18.2 mm) 5 wire 12/5 to 10/5 S (Ø.730″-.770″) (Ø18.5-19.6 mm)
30A Locking Including HBL26W09 & HBL27W09	Min Cords: 3 wire 12/3 to 10/3 S (Ø.595″-.660″) (Ø15.1-16.8 mm) 4 wire 10/4 to 8/4 S (Ø.715″-.945″) (Ø18.2-24.0 mm) 5 wire 10/5 to 8/5 S (Ø.770″-1.03″) (Ø19.6-26.2 mm)

Receptacles – use solid or stranded building wire or flexible cord only as outlined below:

All Straight Blade	18 AWG to 10 AWG
15A Locking	18 AWG to 10 AWG
20A and 30A Locking	18 AWG to 8 AWG

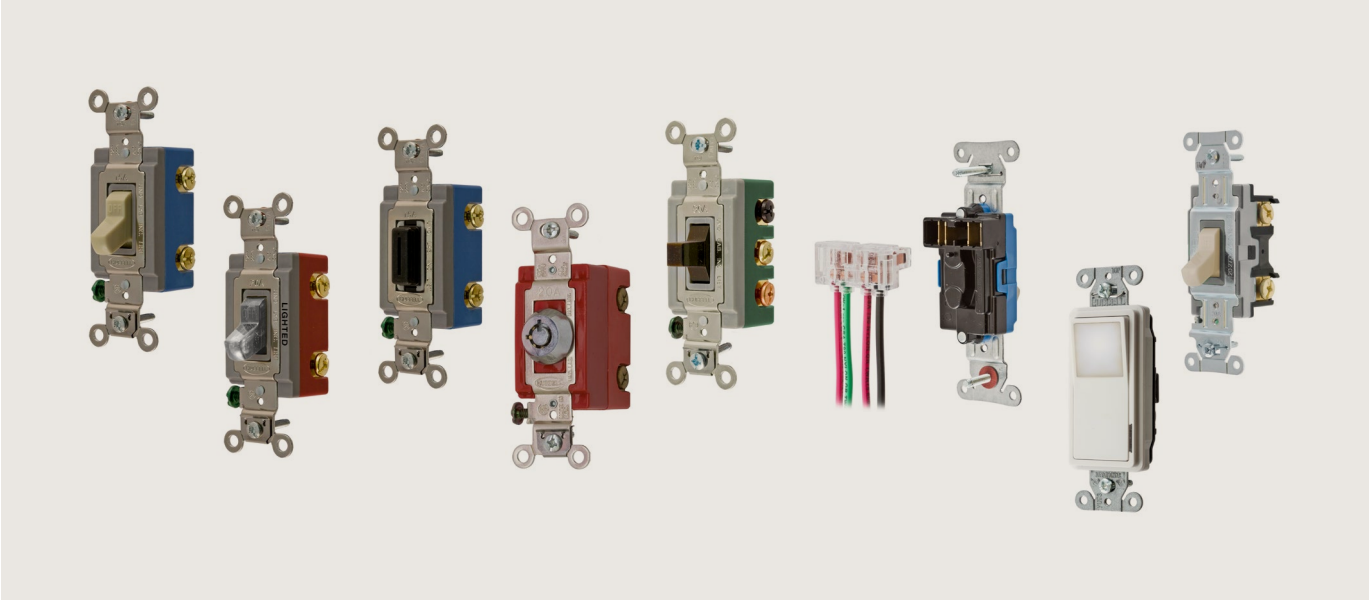
Portable Outlet Boxes

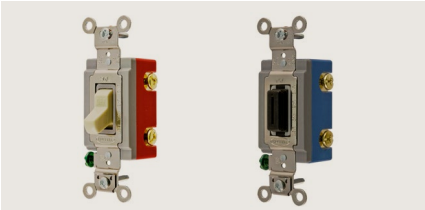
Cord Range	.38″ to .68″ (HBL3099, HBL3090F, HBL3000) and .38″ to 1.00″ with user-specified cord connector
Wiring Volume	19.0 in^3

Environmental

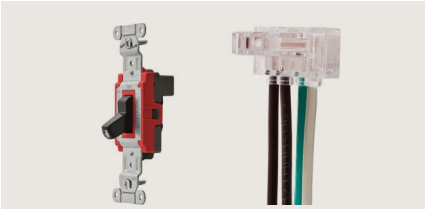
Moisture Resistance	UL Listed to 3R, 3RX, 4, 4X, 6, 6P, 12 (plugs and connectors); 3R, 3RX, 4, 4X (receptacles); Wet and Damp Locations (portable outlet boxes); Covers (POB) UL Type 3R and Wet Locations cover closed
Flammability	UL94V0 (boxes, covers, and plates); UL94V2 (plugs, connectors, and interiors); UL94HB (caps, bushings, and cone seals)
Operating Temperatures	-40°C (without impact) to +60°C continuous
UV Resistance	All exposed materials are UV stabilized

Dimensions in Inches (mm)

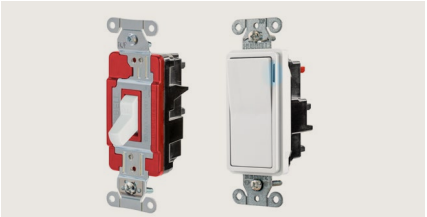




HBL® Extra Heavy Duty Industrial Grade Switches



SNAPConnect® Toggle and Decorator Switches



EdgeConnect Commercial Switches

HBL Extra Heavy Duty Industrial Grade Series. E-2
- Toggle and Locking Type. E-3
- Toggle Type Illuminated and Pilot Light E-4
- 3-Position, 2-Circuit Center OFF E-4
- Toggle 347V and PresSwitch®. E-5
- Hubbell-PRO Heavy Duty Industrial Series. E-6

SNAPConnect Heavy Duty Series E-7
- SNAPConnect Toggle E-8
- SNAPConnect Decorator E-9
- SNAPConnect Illuminated and Pilot Light E-9

EdgeConnect™
- HBL Extra Heavy Duty Industrial Series E-11
- Toggle Specification Grade Commercial Series. E-11
- Style Line® Decorator Specification Grade Commercial Series E-12

Specification Grade Commercial Series. E-13
- Toggle and Framed Toggle E-14
- Style Line Decorator E-15

Dimmers and Weatherproof Series. E-16

Maintained and Momentary Contact E-17

Switch Accessories
- Pilot Light, SWITCHOUT® Lockout Device and Weatherproof Switch Covers for Toggle Switches E-18
- Nylon, Snap-On and Metal Wallplates. E-19

Certification Chart E-20

Heavy Duty Panel Mount and Bat Handle Switches E-21

Technical Information E-23

ScrubSwitch™ Proximity Tap Sealed Switches E-24

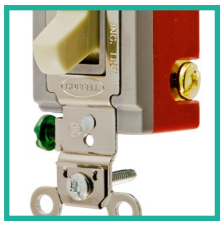
HBL® Extra Heavy Duty Industrial Grade

Features and Benefits

The HBL Switch provides the safest and most reliable design for heavy-duty Industrial environments.

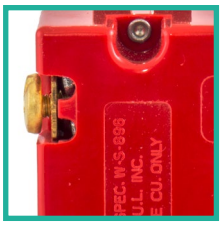
- 15, 20 and 30 Amp 120/277V AC
- Single Pole, Double Pole, 3-Way and 4-Way
- Illuminated and Pilot with LED
- Locking Both Standard and Rotary
- 3 Position Momentary and Maintained
- Abuse Resistant Nylon Toggle





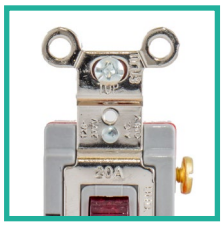
Housing Design

- One-piece design engineered thermoset base for superior heat dissipation
- One-piece design high impact-resistant thermoplastic front for heavy duty industrial environments
- Stainless steel automatic grounding clip assures grounding continuity between mounting strap and metal wall box



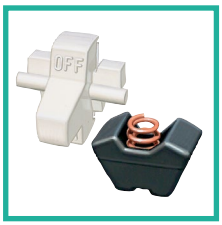
Wiring Design

- Back wire entrance points for terminations accept two wires for feed through capability avoiding pigtailing
- Large brass binding head screws with deep slots secure wire connections
- Strip gauge for accurate wiring



Bridge Design

- One-piece bridge with integral grounding terminal with #8 brass screw allows compliance to NEC®
- Steel nickel plated mounting strap provides a superior corrosion resistant finish
- Thread cleaning captive mounting screw



Toggle

- Heavy duty nylon toggle resists abuse and chemical attack making it suitable for use in the toughest environments
- Elastomer rocker assures quiet operation and precise timing
- Permanently lubricated assembly provides long life and trouble free operation



Identification

- Color coded base identifies amperage when terminating connections; 15A (Blue), 20A (Red) and 30A (Green)
- Prominent amperage marking allows easy identification of rating



Contacts

- One-piece rivetless copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise
- Large silver alloy contacts reduce contact erosion and prevent welding, providing long life

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

HBL Extra Heavy Duty Industrial Series
15A, 120/277V AC

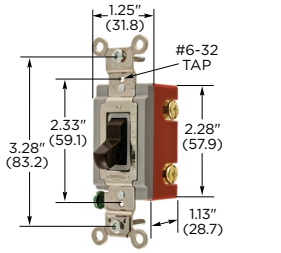
Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	HBL1201BK	—	HBL1203BK	HBL1204BK
	Brown	HBL1201	HBL1202	HBL1203	HBL1204
	Gray	HBL1201GY	—	HBL1203GY	HBL1204GY
	Ivory	HBL1201I	HBL1202I	HBL1203I	HBL1204I
	Light Almond	HBL1201LA	—	—	—
	Red	HBL1201R	—	—	—
	White	HBL1201W	—	HBL1203W	HBL1204W

20A, 120/277V AC

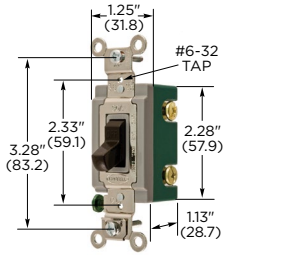
Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	HBL1221BK	HBL1222BK	HBL1223BK	HBL1224BK
	Brown	HBL1221	HBL1222	HBL1223	HBL1224
	Gray	HBL1221GY	HBL1222GY	HBL1223GY	HBL1224GY
	Ivory	HBL1221I	HBL1222I	HBL1223I	HBL1224I
	Light Almond	HBL1221LA	HBL1222LA	HBL1223LA	HBL1224LA
	Red	HBL1221R	HBL1222R	HBL1223R	HBL1224R
	White	HBL1221W	HBL1222W	HBL1223W	HBL1224W

30A, 120/277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle.	Brown	HBL3031	HBL3032	HBL3033	—
	Ivory	HBL3031I	HBL3032I	HBL3033I	—
	White	—	HBL3032W	—	—



HBL1221



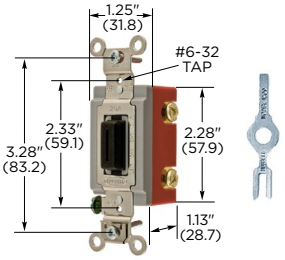
HBL3031

HBL Extra Heavy Duty Industrial Locking Series
15A, 120/277V AC

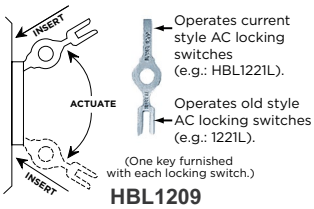
Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Key Guide, back and side wired.	Black	HBL1201L	HBL1202L	HBL1203L	HBL1204L
	Gray	HBL1201LG	HBL1202LG	HBL1203LG	HBL1204LG
	Ivory	HBL1201LI	HBL1202LI	HBL1203LI	HBL1204LI
	White	HBL1201LW	HBL1202LW	HBL1203LW	HBL1204LW
Key for locking switch.		HBL1209			

20A, 120/277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Key Guide, back and side wired.	Black	HBL1221L	HBL1222L	HBL1223L	HBL1224L
	Gray	HBL1221LG	HBL1222LG	HBL1223LG	HBL1224LG
	Ivory	HBL1221LI	HBL1222LI	HBL1223LI	HBL1224LI
	White	HBL1221LW	HBL1222LW	HBL1223LW	HBL1224LW
Key for locking switch.		HBL1209			



HBL1221L and Key

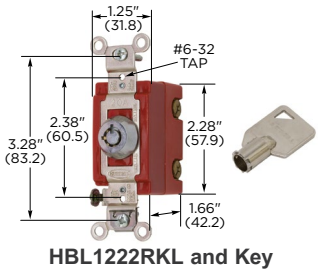


HBL1209

HBL Extra Heavy Duty Industrial AC Barrel Key Locking Switch†
20A, 120/277V AC

Description	Key Guide Color	Single Pole	Double Pole	Three Way	Four Way
Chrome operator, back and side wired.	Chrome	HBL1221RKL*	HBL1222RKL*	HBL1223RKL*	HBL1224RKL*
Replacement Barrel Key.		HBL1209RKL			

Note: Keys are supplied with each locking switch. For extra keys order HBL1209 or HBL1209RKL as needed.
**Not Fed. Spec.*
†See Wallplate section, page P-17 for locking switch wallplates.
See page E-18 for accessories and page E-19 for wallplates.
See page E-23 for technical information.



HBL1222RKL and Key

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

Dimensions in Inches (mm)

Illuminated Toggle Switches, Light ON with Load OFF

Description	Toggle Color	Rating	Single Pole	Double Pole	Three Way
Nylon toggle, back and side wired.	Ivory	15A 120/277V AC	HBL1201IL	—	HBL1203IL
	Ivory Clear Red	20A 120/277V AC	HBL1221IL HBL1221ILC HBL1221ILR	— — —	HBL1223IL HBL1223ILC —

Pilot Light Switches, Light ON with Load ON

Description	Toggle Color	Rating	Single Pole	Double Pole	Three Way
Nylon toggle, back and side wired.	Red	15A 120/277V AC	HBL1201PL	—	HBL1203PL
	Red Clear Green	20A 120/277V AC	HBL1221PL HBL1221PLC HBL1221PLG	HBL1222PL — —	HBL1223PL HBL1223PLC —
	Red	30A 120/277V AC	HBL3031PL	HBL3032PL	—

Momentary Contact, Specification Grade, Three Position, Two Circuit, Center OFF

Description	Toggle Color	15A, 120/277V AC	20A, 120/277V AC
Nylon toggle, back and side wired.	Brown Gray Ivory Light Almond Red White	HBL1556 HBL1556GY HBL1556I HBL1556LA HBL1556R HBL1556W	HBL1557 HBL1557GY HBL1557I HBL1557LA — HBL1557W
Key guide, back and side wired.	Black Gray Ivory White	HBL1556L HBL1556LG HBL1556LI HBL1556LW	HBL1557L HBL1557LG HBL1557LI HBL1557LW
Key for locking switch.		HBL1209	

Maintained Contact, Specification Grade, Three Position, Two Circuit, Center OFF, Single Pole, Double Throw

Description	Toggle Color	15A 120/277V AC	20A 120/277V AC	30A 120/277V AC
Nylon toggle, back and side wired.	Brown Ivory White	HBL1381 HBL1381I —	HBL1385 HBL1385I HBL1385W	— — —

Three Position, Two Circuit, Center OFF, Double Pole, Double Throw

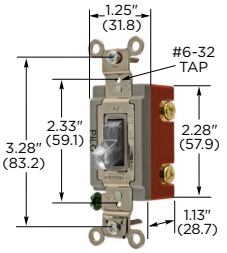
Description	Toggle Color	15A 120/277V AC	20A 120/277V AC	30A 120/277V AC
Nylon toggle, back and side wired.	Brown Ivory	HBL1382 HBL1382I	HBL1386 HBL1386I	HBL1388 HBL1388I
Locking.		—	HBL1386L	—
Key for locking switch.		—	HBL1209	—

Note: Keys are supplied with each locking switch. For extra keys order HBL1209.
See page E-18 for accessories and page E-19 for wallplates. See page E-23 for technical information.

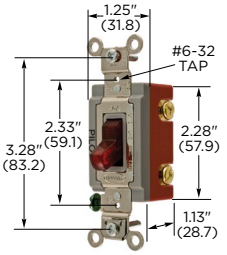
HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

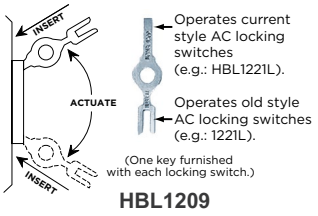
Dimensions in Inches (mm)



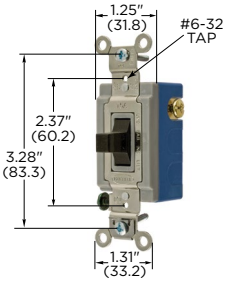
HBL1221ILC



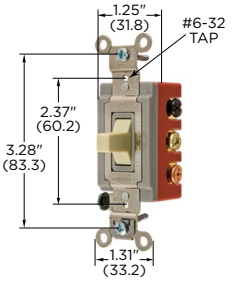
HBL1221PL



HBL1209



HBL1381



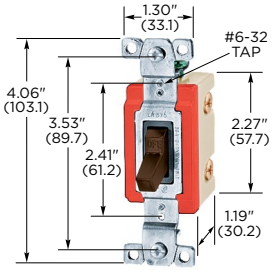
HBL1386I

HBL Extra Heavy Duty Industrial Series
15A, 347V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown Ivory White	HBL18201CN HBL18201ICN HBL18201WCN	— — —	HBL18203CN HBL18203ICN HBL18203WCN	— HBL18204ICN —
Locking.		HBL18201LCN	—	HBL18203LCN	—
Key for locking switch.		HBL1209*	—	HBL1209*	—

20A, 347V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown Ivory White	HBL18221CN HBL18221ICN HBL18221WCN	— — —	HBL18223CN HBL18223ICN HBL18223WCN	— — —



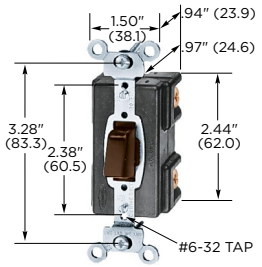
HBL18221CN

PresSwitch® Specification Grade Push Button, Standard Type
20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon actuator, side wired only.	Brown Ivory	HBL1281 HBL1281I	HBL1282 HBL1282I	HBL1283* HBL1283I*	HBL1284* HBL1284I*

PresSwitch Momentary Type**
20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Circuit normally closed, side wired only.	Brown	HBL1281MC*	—	—	—
Circuit normally open, side wired only.	Brown	HBL1281MO*	—	—	—



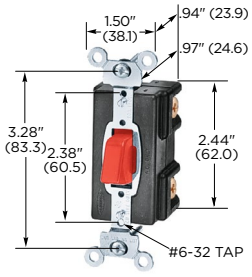
HBL1281

PresSwitch Illuminated and Pilot Light PresSwitch®
120V AC Lighted Actuator, Light ON with Load OFF**

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
15A, nylon actuator.	Ivory	—	—	—	HBL1259I*
20A, nylon actuator.	Ivory	HBL1287I	—	HBL1288I*	—

PresSwitch Pilot Light Actuator, Light ON with Load ON
20A, 120V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon actuator.	Red	HBL1297	—	HBL1298*	—



HBL1297

Note: Keys are supplied with each locking switch. For extra keys order HBL1209.
**Not UL Listed, CSA Certified.*
***Not HP rated.*
See page E-18 for accessories and page E-19 for wallplates.
See page E-23 for technical information.

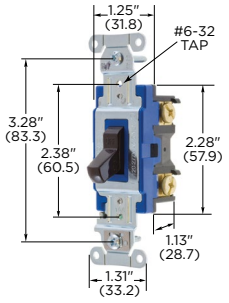
HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP
30A	2HP	2HP	2HP	2HP

Dimensions in Inches (mm)

Hubbell-PRO Heavy Duty Industrial Series
15A, 120/277V AC

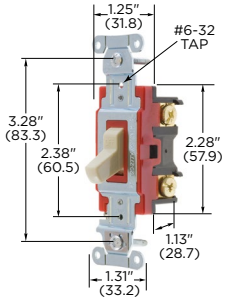
Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	1201BK	—	1203BK	—
	Brown	1201B	—	1203B	—
	Gray	1201GY	—	1203GY	—
	Ivory	1201I	—	1203I	—
	Light Almond	1201LA	—	1203LA	—
	White	1201W	—	1203W	—



1201BK

20A, 120/277V AC

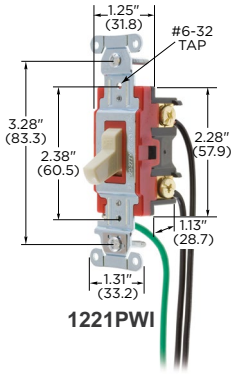
Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	1221BK	1222BK	1223BK	1224BK
	Brown	1221B	1222B	1223B	1224B
	Gray	1221GY	1222GY	1223GY	1224GY
	Ivory	1221I	1222I	1223I	1224I
	Light Almond	1221LA	1222LA	1223LA	1224LA
	Red	1221R	1222R	1223R	1224R
	White	1221W	1222W	1223W	1224W



1221I

Hubbell-PRO Pre-Wired/Leaded Heavy Duty Industrial Series
20A, 120/277V AC - 8 Inch #12 AWG THHN

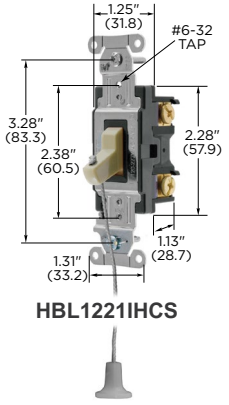
Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, pre-wired leads.	Black	1221PWBK	1222PWBK	1223PWBK	1224PWBK
	Brown	1221PWB	1222PWB	1223PWB	1224PWB
	Gray	1221PWGY	1222PWGY	1223PWGY	1224PWGY
	Ivory	1221PWI	1222PWI	1223PWI	1224PWI
	Light Almond	1221PWLA	1222PWLA	1223PWLA	1224PWLA
	Red	1221PWR	1222PWR	1223PWR	1224PWR
	White	1221PWW	1222PWW	1223PWW	1224PWW



1221PWI

Hubbell-PRO Hospital Call Switch with Lanyard
20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Gray	HBL1221GHCS	—	—	—
	Ivory	HBL1221IHCS	—	—	—
	White	HBL1221WHCS	—	—	—



HBL1221IHCS

Note: See page E-18 for accessories and page E-19 for wallplates.
See page E-23 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

Features and Benefits

SNAPConnect Devices offer superior installation efficiency for new construction and renovations, while delivering safe, reliable connections. Instead of conventional wiring methods, SNAPConnect's modular connector is installed during rough-in in lieu of pigtails. Once the walls are up, the protective covering is removed and the terminal is simply snapped into the SNAPConnect device for a consistent connection every time. Once installed, SNAPConnect's modular design enables simple device change-out by maintenance personnel.

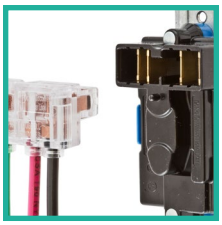
- SNAPConnect Eliminates Exposed Live Terminals on the Device
- Complete Trim-Out in Less Than One Minute
- Abuse Resistant Nylon Toggle for Heavy Use Applications
- Stainless Steel Autoground
- Large Silver Alloy Contacts Reduce Contact Erosion Providing Long Life





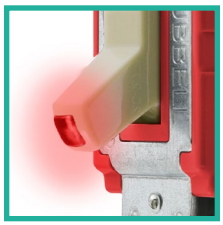
Housing Design

- Thermoplastic top and base material
- Steel, zinc plated bridge is corrosion resistant
- Thread cleaning captive mounting screw



Assembly

- SNAPConnect® eliminates exposed live terminals on the device
- Termination method uses a SNAP-In Connector
- Wiring the connector into the wall box can be done prior to trim out; changing or replacing switches is also a "SNAP"



LED Technology

- Pilot and Illuminated versions use LEDs for longer life



Pigtailed Connectors

- Clear right angle terminal, 6 inch leads, solid or stranded wire
  - 3 wire connector for single pole and single pole illuminated
  - 4 wire connector for single pole pilot light switch
  - 4 wire connector for three way and three way illuminated

SNAPConnect Specification Grade Toggle Series
15A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
SNAPConnect Toggle.	Black	SNAP1201BK	SNAP1203BK
	Brown	SNAP1201BR	SNAP1203BR
	Gray	SNAP1201GY	SNAP1203GY
	Ivory	SNAP1201I	SNAP1203I
	Lt. Almond	SNAP1201LA	SNAP1203LA
	Red	SNAP1201R	SNAP1203R
	White	SNAP1201W	SNAP1203W

20A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
SNAPConnect Toggle.	Black	SNAP1221BK	SNAP1223BK
	Brown	SNAP1221BR	SNAP1223BR
	Gray	SNAP1221GY	SNAP1223GY
	Ivory	SNAP1221I	SNAP1223I
	Lt. Almond	SNAP1221LA	SNAP1223LA
	Red	SNAP1221R	SNAP1223R
	White	SNAP1221W	SNAP1223W

Illuminated, Light ON with Load OFF
15A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Illuminated, light ON with load OFF, toggle, blue LED.	Black	SNAP1201ILBK	SNAP1203ILBK
	Ivory	SNAP1201ILI	SNAP1203ILI
	Red	SNAP1201ILR	SNAP1203ILR
	White	SNAP1201ILW	SNAP1203ILW

20A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Illuminated, light ON with load OFF, toggle, blue LED.	Black	SNAP1221ILBK	SNAP1223ILBK
	Ivory	SNAP1221ILI	SNAP1223ILI
	Red	SNAP1221ILR	SNAP1223ILR
	White	SNAP1221ILW	SNAP1223ILW

Pilot, Light ON with Load ON
15A, 120/277V AC

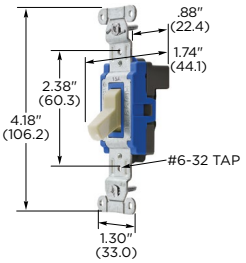
Description	Toggle Color	Single Pole	Three Way
Pilot, light ON with load ON, toggle, red LED.	Black	SNAP1201PLBK	—
	Ivory	SNAP1201PLI	—
	Red	SNAP1201PLR	—
	White	SNAP1201PLW	—

20A, 120/277V AC

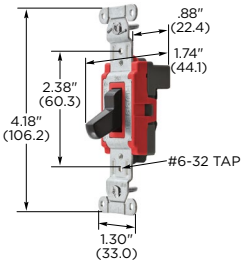
Description	Toggle Color	Single Pole	Three Way
Pilot, light ON with load ON, toggle, red LED.	Black	SNAP1221PLBK	—
	Ivory	SNAP1221PLI	—
	Red	SNAP1221PLR	—
	White	SNAP1221PLW	—

Jumper/Tester

Description	Catalog Number
Jumper/Tester for single pole circuits, black toggle, blue LED indicator.	SNAPSWJUMP
Jumper/Tester for three way circuits, black toggle, blue LED indicator.	SNAP3WJUMP



SNAP1201I



SNAP1221BK



SNAPSWJUMP


SNAPSP1NA


SNAPSPP1NA


SNAP3W1NA

SNAPConnect® Switch Pigtailed Connector

Description	3 Wire Connector for Single Pole and Single Pole Illuminated	4 Wire Connector for Single Pole with Pilot Light	4 Wire Connector for 3-Way and 3-Way Illuminated
Clear right angle terminal, 6 inch leads, solid wire.	SNAPSP1NA	SNAPSPP1NA	SNAP3W1NA
Clear right angle terminal, 6 inch leads, stranded wire.	SNAPSP2NA	SNAPSPP2NA	SNAP3W2NA

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Note: See page E-18 for accessories and page E-19 for wallplates.
See page E-23 for technical information.

Dimensions in Inches (mm)

Many of these products are Assembled in USA, as indicated, and many are Buy American Compliant. Please contact Hubbell with any certification requirements.

SNAPConnect Specification Grade Style Line® Decorator Series
15A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
SNAPConnect rocker.	Black	SNAP2101BK	SNAP2103BK
	Brown	SNAP2101BR	SNAP2103BR
	Gray	SNAP2101GY	SNAP2103GY
	Ivory	SNAP2101I	SNAP2103I
	Lt. Almond	SNAP2101LA	SNAP2103LA
	Red	SNAP2101R	SNAP2103R
	White	SNAP2101W	SNAP2103W

20A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
SNAPConnect rocker.	Black	SNAP2121BK	SNAP2123BK
	Brown	SNAP2121BR	SNAP2123BR
	Gray	SNAP2121GY	SNAP2123GY
	Ivory	SNAP2121I	SNAP2123I
	Lt. Almond	SNAP2121LA	SNAP2123LA
	Red	SNAP2121R	SNAP2123R
	White	SNAP2121W	SNAP2123W

Illuminated, Light ON with Load OFF
15A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Illuminated, light ON with load OFF, rocker, blue LED.	Black	SNAP2101ILBK	SNAP2103ILBK
	Ivory	SNAP2101ILI	SNAP2103ILI
	Red	SNAP2101ILR	SNAP2103ILR
	White	SNAP2101ILW	SNAP2103ILW

20A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Illuminated, light ON with load OFF, rocker, blue LED.	Black	SNAP2121ILBK	SNAP2123ILBK
	Ivory	SNAP2121ILI	SNAP2123ILI
	Red	SNAP2121ILR	SNAP2123ILR
	White	SNAP2121ILW	SNAP2123ILW

Pilot, Light ON with Load ON
15A, 120/277V AC

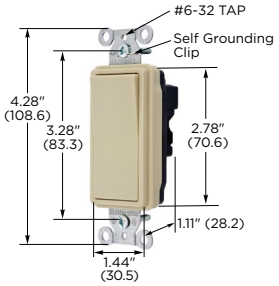
Description	Toggle Color	Single Pole	Three Way
Pilot, light ON with load ON, rocker, red LED.	Black	SNAP2101PLBK	—
	Ivory	SNAP2101PLI	—
	Red	SNAP2101PLR	—
	White	SNAP210¯1PLW	—

20A, 120/277V AC

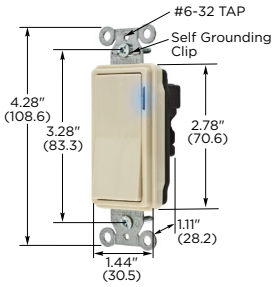
Description	Toggle Color	Single Pole	Three Way
Pilot, light ON with load ON, rocker, red LED.	Black	SNAP2121PLBK	—
	Ivory	SNAP2121PLI	—
	Red	SNAP2121PLR	—
	White	SNAP2121PLW	—

Jumper/Tester

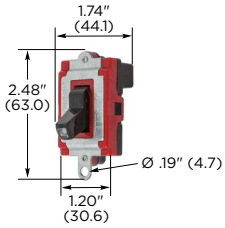
Description	Catalog Number
Jumper/Tester for single pole circuits, black toggle, blue LED indicator.	SNAPSWJUMP
Jumper/Tester for three way circuits, black toggle, blue LED indicator.	SNAP3WJUMP



SNAP2101I



SNAP2121ILI



SNAPSWJUMP


SNAPSP1NA


SNAPSPP1NA


SNAP3W1NA

SNAPConnect Switch Pigtailed Connector

Description	3 Wire Connector for Single Pole and Single Pole Illuminated	4 Wire Connector for Single Pole with Pilot Light	4 Wire Connector for 3-Way and 3-Way Illuminated
Clear right angle terminal, 6 inch leads, solid wire.	SNAPSP1NA	SNAPSPP1NA	SNAP3W1NA
Clear right angle terminal, 6 inch leads, stranded wire.	SNAPSP2NA	SNAPSPP2NA	SNAP3W2NA

Note: See page E-18 for accessories and page E-19 for wallplates.
See page E-23 for technical information.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

Features and Benefits

Hubbell's innovative, patented EdgeConnect devices with screwless terminations are the fastest termination devices on the market. Strong steel springs continuously apply pressure to wires, ensuring a strong connection in the most abusive environments.

Designed with easy termination access in the back of the device with laser etched terminal markings for clear identification of correct wiring.

Funneled wire entry to direct conductor strands as well as molded in leverage points for easy unwiring.



The terminations are tight from day one and stay tight, gripping hard to keep the power flowing even through high vibration environments that can steadily work wires loose and cause unscheduled downtime.

Similar performance is also demonstrated in the face of related industrial threats such as temperature cycling and strand relaxation. No matter what the environment, with EdgeConnect™ devices you won't have to go back and retighten—just install once and you're all set.

Wires secured with Hubbell's EdgeConnect™ screwless termination devices not only stay tight, they actually dig in and get tighter in the face of the relentless vibration from industrial equipment which constantly threatens the integrity of traditional connections.



IT'S ABOUT PERFORMANCE

Speed
80% faster terminations

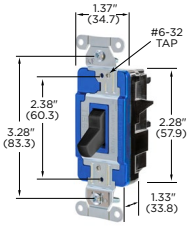
Durability
Built to withstand the industry's harshest environments

Performance
Terminations are 25-60% stronger when subjected to vibration

Patented
The only screwless termination in an industrial NEMA wiring device

HBL® Extra Heavy Duty Industrial Series
15A, 120/277V AC

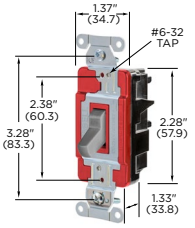
Description	Toggle Color	Single Pole	Three Way
Toggle, spring termination.	Black	HBL1201STBK	HBL1203STBK
	Brown	HBL1201ST	HBL1203ST
	Gray	HBL1201STGY	HBL1203STGY
	Ivory	HBL1201STI	HBL1203STI
	Light Almond	HBL1201STLA	HBL1203STLA
	Red	HBL1201STR	HBL1203STR
	White	HBL1201STW	HBL1203STW



HBL1201STBK

20A, 120/277V AC

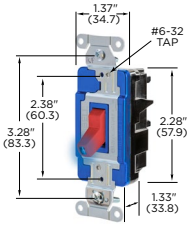
Description	Toggle Color	Single Pole	Three Way
Toggle, spring termination.	Black	HBL1221STBK	HBL1223STBK
	Brown	HBL1221ST	HBL1223ST
	Gray	HBL1221STGY	HBL1223STGY
	Ivory	HBL1221STI	HBL1223STI
	Light Almond	HBL1221STLA	HBL1223STLA
	Red	HBL1221STR	HBL1223STR
	White	HBL1221STW	HBL1223STW



HBL1223STGY

HBL Extra Heavy Duty Industrial Series
Illuminated Toggle Switches, Light ON with Load OFF
15A, 120/277V AC

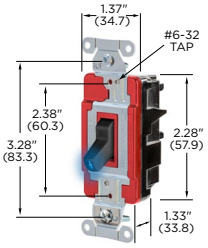
Description	Toggle Color	Single Pole	Three Way
Nylon toggle, spring termination.	Black	HBL1201STILBK	HBL1203STILBK
	Brown	HBL1201STIL	HBL1203STIL
	Gray	HBL1201STILGY	HBL1203STILGY
	Ivory	HBL1201STILI	HBL1203STILI
	Light Almond	HBL1201STILLA	HBL1203STILLA
	Red	HBL1201STILR	HBL1203STILR
	White	HBL1201STILW	HBL1203STILW
	Clear	HBL1201STILC	HBL1203STILC



HBL1201STILR

20A, 120/277V AC

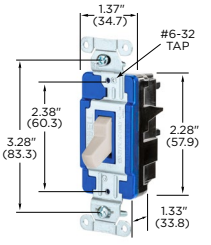
Description	Toggle Color	Single Pole	Three Way
Nylon toggle, spring termination.	Black	HBL1221STILBK	HBL1223STILBK
	Brown	HBL1221STIL	HBL1223STIL
	Gray	HBL1221STILGY	HBL1223STILGY
	Ivory	HBL1221STILI	HBL1223STILI
	Light Almond	HBL1221STILLA	HBL1223STILLA
	Red	HBL1221STILR	HBL1223STILR
	White	HBL1221STILW	HBL1223STILW
	Clear	HBL1221STILC	HBL1223STILC



HBL1223STILBK

Toggle Specification Grade Commercial Series
15A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Toggle, spring termination.	Black	CSB115STBK	CSB315STBK
	Brown	CSB115ST	CSB315ST
	Gray	CSB115STGY	CSB315STGY
	Ivory	CSB115STI	CSB315STI
	Light Almond	CSB115STLA	CSB315STLA
	Red	CSB115STR	CSB315STR
	White	CSB115STW	CSB315STW

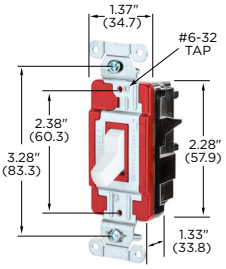


CSB115STLA

Dimensions in Inches (mm)

Toggle Specification Grade Commercial Series
20A, 120/277V AC

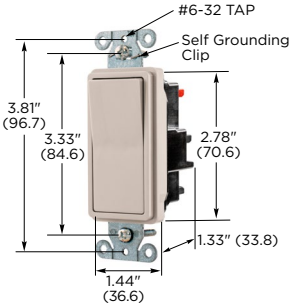
Description	Toggle Color	Single Pole	Three Way
Toggle, spring termination.	Black	CSB120STBK	CSB320STBK
	Brown	CSB120ST	CSB320ST
	Gray	CSB120STGY	CSB320STGY
	Ivory	CSB120STI	CSB320STI
	Light Almond	CSB120STLA	CSB320STLA
	Red	CSB120STR	CSB320STR
	White	CSB120STW	CSB320STW



CSB120STW

EdgeConnect Style Line® Decorator Specification Grade Commercial Series
15A, 120/277V AC

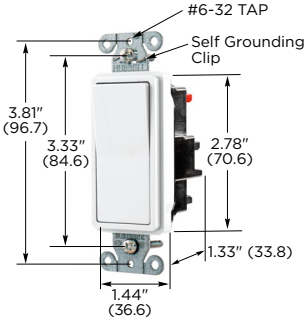
Description	Toggle Color	Single Pole	Three Way
Nylon toggle, spring termination.	Black	DS115STBK	DS315STBK
	Brown	DS115ST	DS315ST
	Gray	DS115STGY	DS315STGY
	Ivory	DS115STI	DS315STI
	Light Almond	DS115STLA	DS315STLA
	Red	DS115STR	DS315STR
	White	DS115STW	DS315STW



DS115STLA

20A, 120/277V AC

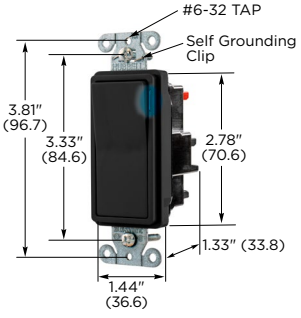
Description	Toggle Color	Single Pole	Three Way
Rocker, spring termination.	Black	DS120STBK	DS320STBK
	Brown	DS120ST	DS320ST
	Gray	DS120STGY	DS320STGY
	Ivory	DS120STI	DS320STI
	Light Almond	DS120STLA	DS320STLA
	Red	DS120STR	DS320STR
	White	DS120STW	DS320STW



DS320STW

EdgeConnect Style Line® Decorator Specification Grade Commercial Series
Illuminated, Light ON with Load OFF
20A, 120/277V AC

Description	Toggle Color	Single Pole	Three Way
Rocker, with blue LED, spring termination.	Black	DS120STILBK	DS320STILBK
	Brown	DS120STIL	DS320STIL
	Gray	DS120STILGY	DS320STILGY
	Ivory	DS120STILI	DS320STILI
	Light Almond	DS120STILLA	DS320STILLA
	Red	DS120STILR	DS320STILR
	White	DS120STILW	DS320STILW



DS320STILBK

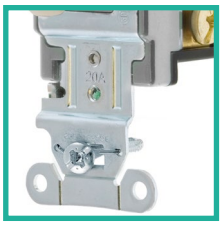
Dimensions in Inches (mm)

Features and Benefits

Toggle, rocker and specialty switches - Hubbell designs and manufactures these switches in a wide variety of styles and colors.

- 15 and 20 Amp 120/277V AC
- Single Pole, Double Pole, 3-Way and 4-Way
- Illuminated and Pilot with LED
- Nightlight
- Style Line® Decorator
- Low voltage DC offering





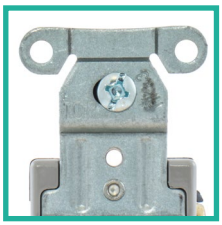
Housing Design

- Engineered thermoplastic housing is impact-resistant for heavy duty commercial environments
- Stainless steel automatic grounding staple assures grounding continuity between mounting strap and metal wall box



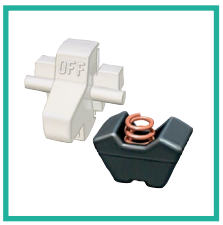
Wiring Design

- Back wire entrance points for terminations accept two wires for feed through capability avoiding pigtailing
- Large brass binding head screws with deep slots secure wire connections
- Strip gauge for accurate wiring



Bridge Design

- One-piece bridge with integral grounding terminal with #8 brass screw allows compliance to NEC®
- Steel zinc plated mounting strap provides protection against corrosion
- Thread cleaning captive mounting screw



Toggle

- Heavy duty nylon toggle resists abuseand chemical attack making it suitable for use in the toughest environments
- Elastomer rocker assures quiet operation and precise timing
- Permanently lubricated assembly provides long life and trouble free operation



Identification

- Prominent amperage marking on mounting strap allows easy identification of rating



Contacts

- Copper alloy spring contact arm and terminal plate assures proper contact alignment reducing heat rise
- Silver alloy contacts reduce contact erosion and prevent welding, providing long life

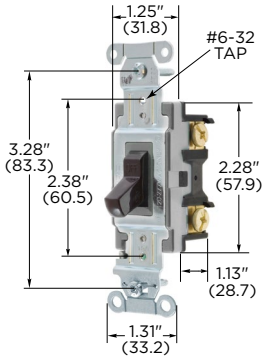
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Toggle Specification Grade Commercial Series
15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	CSB115BK	CSB215BK	CSB315BK	CSB415BK
	Brown	CSB115	CSB215	CSB315	CSB415
	Gray	CSB115GY	CSB215GY	CSB315GY	CSB415GY
	Ivory	CSB115I	CSB215I	CSB315I	CSB415I
	Light Almond	CSB115LA	CSB215LA	CSB315LA	CSB415LA
	White	CSB115W	CSB215W	CSB315W	CSB415W

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, back and side wired.	Black	CSB120BK	CSB220BK	CSB320BK	CSB420BK
	Brown	CSB120	CSB220	CSB320	CSB420
	Gray	CSB120GY	CSB220GY	CSB320GY	CSB420GY
	Ivory	CSB120I	CSB220I	CSB320I	CSB420I
	Light Almond	CSB120LA	CSB220LA	CSB320LA	CSB420LA
	Red	CSB120R	CSB220R	CSB320R	CSB420R
	White	CSB120W	CSB220W	CSB320W	CSB420W



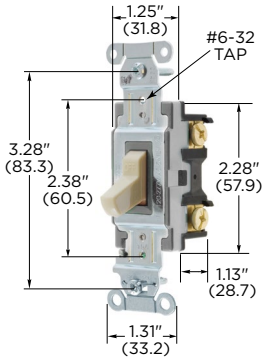
CSB120

Toggle Specification Grade Commercial Series
15A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, side wired only.	Black	CS115BK	—	CS315BK	—
	Brown	CS115	—	CS315	—
	Gray	CS115GY	—	CS315GY	—
	Ivory	CS115I	—	CS315I	—
	Light Almond	CS115LA	—	CS315LA	—
	White	CS115W	—	CS315W	—

20A, 120/277V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Toggle, side wired only.	Black	CS120BK	—	CS320BK	—
	Brown	CS120	—	CS320	—
	Gray	CS120GY	—	CS320GY	—
	Ivory	CS120I	—	CS320I	—
	Light Almond	CS120LA	—	CS320LA	—
	White	CS120W	—	CS320W	—

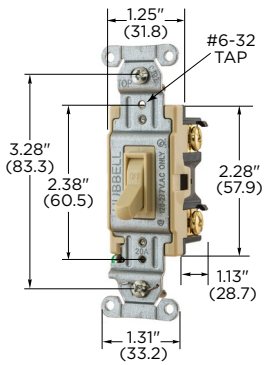


CS115I

Framed Toggle Specification Grade Commercial Series
20A, 120V AC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Ivory	CSB120IF	—	CSB320IF	—
	Light Almond	CSB120LAF	—	CSB320LAF	—
	White	CSB120WF	—	CSB320WF	—

Note: See page E-18 for accessories and page E-19 for wallplates.
See page E-23 for technical information.



CSB120IF

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

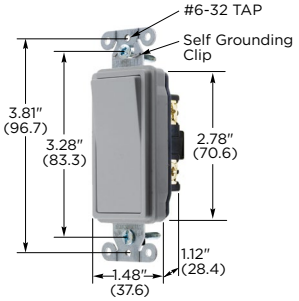
Dimensions in Inches (mm)

Style Line® Decorator Specification Grade Commercial Series
15A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, back and side wired.	Black	DS115BK	—	DS315BK	—
	Brown	DS115	—	DS315	—
	Gray	DS115GY	—	DS315GY	—
	Ivory	DS115I	—	DS315I	—
	Light Almond	DS115LA	—	DS315LA	—
	White	DS115W	—	DS315W	—

20A, 120/277V AC

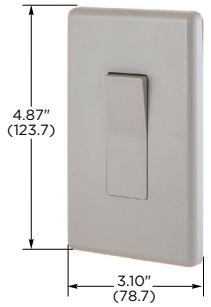
Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, back and side wired.	Black	DS120BK	DS220BK	DS320BK	DS420BK
	Brown	DS120	DS220B	DS320	DS420
	Gray	DS120GY	DS220GY	DS320GY	DS420GY
	Ivory	DS120I	DS220I	DS320I	DS420I
	Light Almond	DS120LA	DS220LA	DS320LA	DS420LA
	Red	DS120R	DS220R	DS320R	DS420R
	White	DS120W	DS220W	DS320W	DS420W



DS115GY

Style Line Decorator Specification Grade Commercial Series
Illuminated, Light ON with Load OFF
20A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, with blue LED, back and side wired.	Black	DS120ILBK	—	DS320ILBK	—
	Ivory	DS120IL	—	DS320IL	—
	Light Almond	DS120ILLA	—	—	—
	Red	DS120ILR	—	—	—
	White	DS120ILW	—	DS320ILW	—

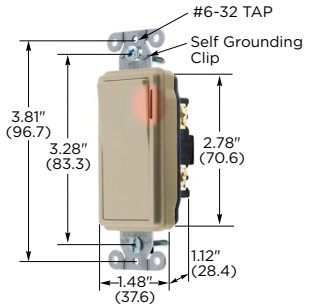


RSD120WPGY

Style Line Decorator Specification Grade Commercial Series
Pilot, Light ON with Load ON
20A, 120/277V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, with red LED, back and side wired.	Black	DS120PLBK	—	—	—
	Ivory	DS120PLI	—	—	—
	White	DS120PLW	—	—	—

Note: See page E-18 for accessories and page E-19 for wallplates.
See page E-23 for technical information.



DS120PLI

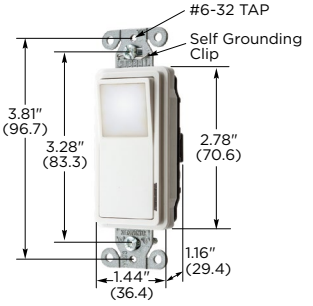
Style Line Decorator Spec. Grade Commercial Series with Nightlight
20A, 120V AC

Description	Rocker Color	Single Pole	Double Pole	Three Way	Four Way
Rocker, with Nightlight, self-grounding, push, back and side wired.	Black	DS120NLBK	—	—	—
	Brown	DS120NLBR	—	—	—
	Gray	DS120NLGY	—	—	—
	Ivory	DS120NLIV	—	—	—
	Light Almond	DS120NLLA	—	—	—
	White	DS120NLWH	—	—	—

Note: Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP



DS120NLWH

Dimensions in Inches (mm)

Features

Standard rocker, toggle, and slide styles for any interior design.

- Optimum CFL and LED Control
- Low End Adjustment for Fine Tuning
- For single-pole and 3-way applications
- Decorator and Traditional Toggle Styling Available
- Ivory, Light Almond, and White available for all SKUs
- No Neutral Required
- 0-10V Low Voltage loads supported with Decorator and Rocker styles



LCD300DW



LCD150SW

LED/CFL Dimmers

Description	Color	Rocker Dimmer	Slide Dimmer	Toggle Dimmer
LED/CFL 200W, Incandescent/Halogen 600W, 120V AC, 60Hz, single pole/three way.	Ivory Light Almond White	**LCD150DI** **LCD150DLA** **LCD150DW**	**LCD150SI** **LCD150SLA** **LCD150SW**	— — —
LED/CFL 150W, Incandescent/Halogen 600W, 120V AC, 60Hz, single pole/three way.	Ivory Light Almond White	— — —	— — —	**LCD150TI** **LCD150TLA** **LCD150TW**
LED/CFL 300W, Incandescent/Halogen 600W, 120V AC, 60Hz, single pole/three way, with indicator light.	Ivory Light Almond White	**LCD300DI** **LCD300DLA** **LCD300DW**	— — —	— — —



LCD150TW

Low Voltage Dimmers

Description	Color	Rocker Dimmer	Slide Dimmer
01-10V Low Voltage Loads, 10 A @120V AC, 5 A @277V AC, 60Hz, single pole/three way.	Ivory Light Almond White	**LCD0108DI** **LCD0108DLA** **LCD0108DW**	**LCD0108SI** **LCD0108SLA** **LCD0108SW**



LCD0108SW

Note: See page BB-19 for fan speed controls.

Rocker Weatherproof Series

Hubbell designs and manufactures these weatherproof switches for wet and damp applications.

- Single Pole / 3-Way Capable
- NEMA TYPE 3R



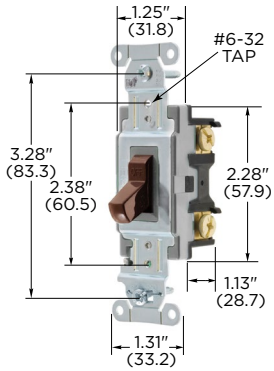
Style Line® Decorator Weatherproof Series, 20A, 120/277V AC

Description	Color	Single Pole / Three Way
Rocker, weatherproof, self-grounding, back and side wired.	Gray Light Almond White	**RSD120WPGY** **RSD120WPLA** **RSD120WPW**

Dimensions in Inches (mm)

Maintained Contact Toggle, Specification Grade
5A, 24V DC

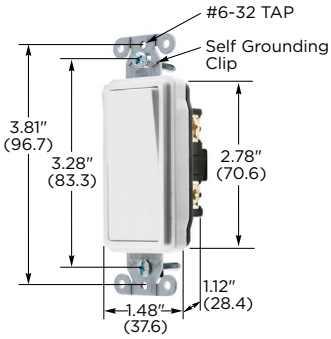
Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Black	CSB120BKLV	—	CSB320BKLV	—
	Brown	CSB120BRLV	—	CSB320BRLV	—
	Gray	CSB120GYLV	—	CSB320GYLV	—
	Ivory	CSB120ILV	—	CSB320ILV	—
	Light Almond	CSB120LALV	—	CSB320LALV	—
	Red	CSB120RLV	—	CSB320RLV	—
	White	CSB120WHLV	—	CSB320WHLV	—



CSB120BRLV

Maintained Contact Decorator, Specification Grade
5A, 24V DC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon decorator, back and side wired.	Black	DS120BKLV	—	DS320BKLV	—
	Brown	DS120LV	—	DS320LV	—
	Gray	DS120GYLV	—	DS320GYLV	—
	Ivory	DS120ILV	—	DS320ILV	—
	Light Almond	DS120LALV	—	DS320LALV	—
	Red	DS120RLV	—	DS320RLV	—
	White	DS120WLV	—	DS320WLV	—

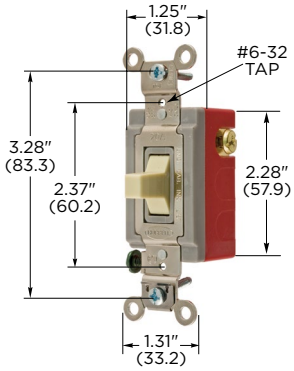


DS120WLV

Momentary Contact, Specification Grade
Single Pole, Double Throw, Center OFF
5A, 24V DC

Description	Toggle Color	Single Pole	Double Pole	Three Way	Four Way
Nylon toggle, back and side wired.	Brown	HBL1557LV	—	—	—
	Gray	HBL1557GYLV	—	—	—
	Ivory	HBL1557ILV	—	—	—
	Red	HBL1557RLV	—	—	—
	White	HBL1557WLV	—	—	—

Note: See page E-18 for accessories and page E-19 for wallplates.
See page E-23 for technical information.



HBL1557ILV

HP Conversion Chart

	120V	208V	240V	277V AC
15A	.5HP	1.5HP	2HP	2HP
20A	1HP	2HP	2HP	2HP

Dimensions in Inches (mm)

Pilot Light, 120/277V AC

Description	Catalog Number
Red neon pilot light, back and side wired, fits standard switch wallplate.	HBL1220RJ



HBL1220RJ

Brass Locking Cover Attachment for Switches Available in Master Keying and Straight Keying Systems

Description	Catalog Number
Straight keying (all locks alike). Appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key. All locks are keyed alike.	HBL96061*
Same as above except in dull chrome finish to match stainless steel plates.	HBL96061DCH*
Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed.	HBL96062*



HBL96061
Shown with cover and switch (sold separately)

SWITCHOUT® Lockout Device

Description	Catalog Number
Yellow, nylon toggle switch lockout device (Two devices per package).	HSLDPK2*
Yellow lockout kit, one each of HLDMP, HLD, HLD2, and HSLDPK2	HLDKIT

Weatherproof Wallplates

Description	Catalog Number
Clear bubble wallplate, silicone rubber for use with all general purpose AC toggle and PresSwitch® switches. Fits both FS/FD and standard boxes.	HBL1795
Cast aluminum lift cover with fiber shield. For standard toggle and PresSwitch® switches. Fits only FS/FD boxes.	HBL7420

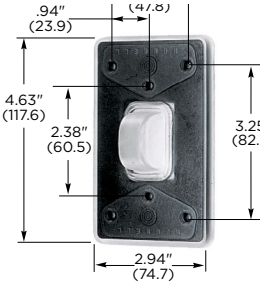


HSLDPK2

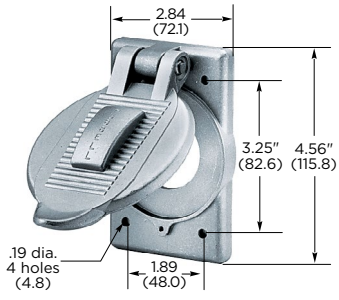
Weatherproof Wallplates for PresSwitch® Switches

Description	Catalog Number
Gray neoprene PresSwitch® wallplate. Fits FS/FD and standard boxes.	HBL1750
Same as above except yellow.	HBL17CM50
Gray neoprene PresSwitch® wallplate with 125V red pilot light. Fits only FS/FD boxes.	HBL1785
Same as above except yellow.	HBL17CM85

*Note: *Not UL Listed or CSA Certified.*
Each locking wallplate is supplied with two keys.
See section L for additional information on safety lockout devices.
See section P for additional wallplates.



HBL1795



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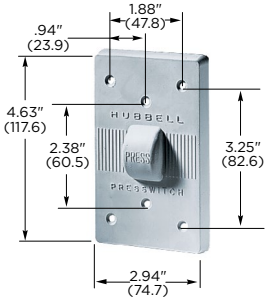
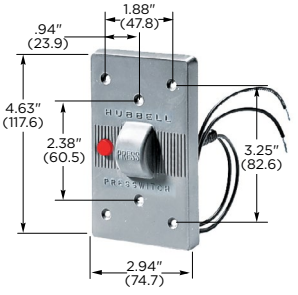


HBL1750



HBL1785

Dimensions in Inches (mm)



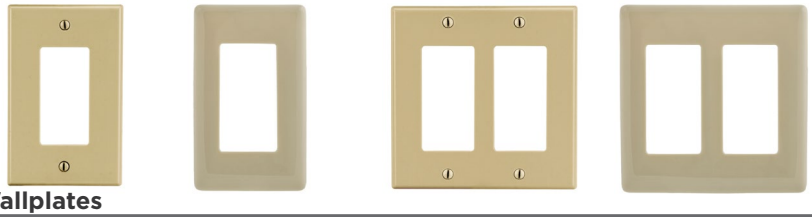
Toggle Switch Non-Metallic Wallplates

Description	Color	1-Gang			2-Gang	
		Standard	Snap-On		Standard	Snap-On
Thermoplastic, standard size, smooth satin finish.	Gray Ivory Light Almond White	**P1GY** **P1I** **P1LA** **P1W**	— **NPS1I** **NPS1LA** **NPS1W**		**P2GY** **P2I** **P2LA** **P2W**	— **NPS2I** **NPS2LA** **NPS2W**



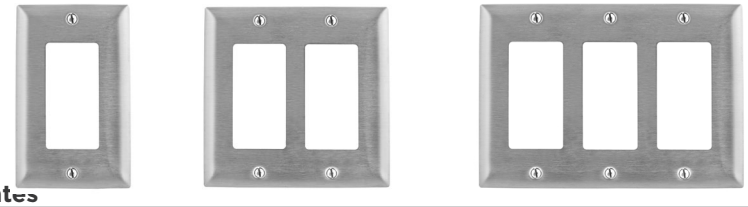
Toggle Switch Metal Wallplates

Description	Color	1-Gang	2-Gang		3-Gang
Metal, standard size, smooth lacquer finish.	Aluminum Brass Stainless Steel, 302/304 Stainless Steel, 430	**SA1** **SB1** **SS1** **SS1L**	**SA2** **SB2** **SS2** **SS2L**		① **SBP3*** **SS3** **SS3L**



Style Line® Decorator Switch Non-Metallic Wallplates

Description	Color	1-Gang			2-Gang	
		Standard	Snap-On		Standard	Snap-On
Thermoplastic, standard size, smooth satin finish.	Gray Ivory Light Almond White	**P26GY** **P26I** **P26LA** **P26W**	— **NPS26I** **NPS26LA** **NPS26W**		**P262GY** **P262I** **P262LA** **P262W**	— **NPS262I** **NPS262LA** **NPS262W**



Style Line® Decorator Switch Metal Wallplates

Description	Color	1-Gang	2-Gang		3-Gang
Metal, standard size, smooth lacquer finish.	Aluminum Brass Stainless Steel, 302/304 Stainless Steel, 430	① **SB26** **SS26** **SS26L**	① **SB262** **SS262** **SS262L**		① ① **SS263** —

Note: See section P for additional wallplates.
**Brass plated.*
①Available as a custom metal wallplate. See wallplate section for additional information.

Dimensions in Inches (mm)

Certification Chart

UL, CSA, and Fed. Spec. Listing Data

Catalog Number	WS896 Listed	UL Listed UL20	CSA Certified
1201	Yes	Yes	Yes
1203	Yes	Yes	Yes
1221	Yes	Yes	Yes
1222	Yes	Yes	Yes
1223	Yes	Yes	Yes
1224	Yes	Yes	Yes
1221PW	Yes	Yes	Yes
1222PW	Yes	Yes	Yes
1223PW	Yes	Yes	Yes
1224PW	Yes	Yes	Yes
CS115	Yes	Yes	Yes
CS315	Yes	Yes	Yes
CS120	Yes	Yes	Yes
CS320	Yes	Yes	Yes
CSB115	Yes	Yes	Yes
CSB215	Yes	Yes	Yes
CSB315	Yes	Yes	Yes
CSB415	Yes	Yes	Yes
CSB120	Yes	Yes	Yes
CSB220	Yes	Yes	Yes
CSB320	Yes	Yes	Yes
CSB420	Yes	Yes	Yes
CSL115	Yes	Yes	Yes
CSL215	Yes	Yes	Yes
CSL315	Yes	Yes	Yes
CSL415	Yes	Yes	Yes
CSL120	Yes	Yes	Yes
CSL220	Yes	Yes	Yes
CSL320	Yes	Yes	Yes
CSL420	Yes	Yes	Yes
DS115	No	Yes	Yes
DS315	No	Yes	Yes
DS120	No	Yes	Yes
DS220	No	Yes	Yes
DS320	No	Yes	Yes
DS420	No	Yes	Yes
DS120IL	No	Yes	Yes
DS320IL	No	Yes	Yes
DS120PL	No	Yes	Yes
DSL115	No	Yes	Yes
DSL215	No	Yes	Yes
DSL315	No	Yes	Yes
DSL415	No	Yes	Yes
DSL120	No	Yes	Yes
DSL220	No	Yes	Yes
DSL320	No	Yes	Yes
DSL420	No	Yes	Yes
HBL1201	Yes	Yes	Yes
HBL1202	Yes	Yes	Yes

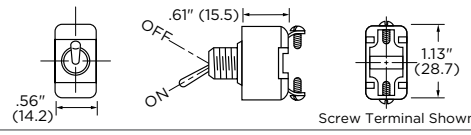
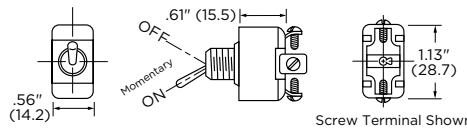
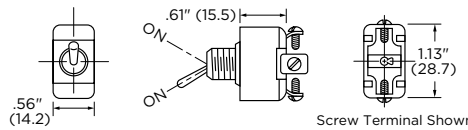
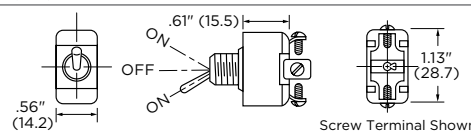
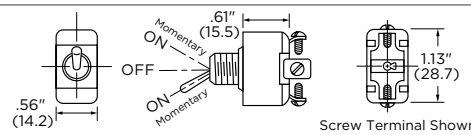
Catalog Number	WS896 Listed	UL Listed UL20	CSA Certified
HBL1203	Yes	Yes	Yes
HBL1204	Yes	Yes	Yes
HBL1201IL	Yes	Yes	Yes
HBL1203IL	Yes	Yes	Yes
HBL1201PL	Yes	Yes	Yes
HBL1203PL	Yes	Yes	Yes
HBL1201L	Yes	Yes	Yes
HBL1202L	Yes	Yes	Yes
HBL1203L	Yes	Yes	Yes
HBL1204L	Yes	Yes	Yes
HBL1221	Yes	Yes	Yes
HBL1222	Yes	Yes	Yes
HBL1223	Yes	Yes	Yes
HBL1224	Yes	Yes	Yes
HBL1221L	Yes	Yes	Yes
HBL1222L	Yes	Yes	Yes
HBL1223L	Yes	Yes	Yes
HBL1224L	Yes	Yes	Yes
HBL1221IL	Yes	Yes	Yes
HBL1223IL	Yes	Yes	Yes
HBL1221PL	Yes	Yes	Yes
HBL1222PL	Yes	Yes	Yes
HBL1223PL	Yes	Yes	Yes
HBL1221RKL	No	Yes	Yes
HBL1222RKL	No	Yes	Yes
HBL1223RKL	No	Yes	Yes
HBL1224RKL	No	Yes	Yes
HBL1259I	No	No	No
HBL1281	No	Yes	Yes
HBL1282	No	Yes	Yes
HBL1283	No	No	No
HBL1284	No	No	No
HBL1287I	No	Yes	Yes
HBL1288I	No	No	No
HBL1281MO	No	No	No
HBL1281MC	No	No	No
HBL1297	No	Yes	Yes
HBL1298	No	No	No
HBL1381	No	Yes	Yes
HBL1382	No	Yes	Yes
HBL1385	No	Yes	Yes
HBL1386	No	Yes	Yes
HBL1386L	No	Yes	Yes
HBL1388	No	Yes	Yes
HBL1556	No	Yes	Yes
HBL1557	No	Yes	Yes
HBL1556L	No	Yes	Yes
HBL1557L	No	Yes	Yes
HBL3031	Yes	Yes	Yes

Catalog Number	WS896 Listed	UL Listed UL20	CSA Certified
HBL3032	Yes	Yes	Yes
HBL3033	Yes	Yes	Yes
HBL3031PL	Yes	Yes	Yes
HBL3031PL	Yes	Yes	Yes
HBL3032PL	Yes	Yes	Yes
SNAP1201	No	Yes	Yes
SNAP1201IL	No	Yes	Yes
SNAP1201PL	No	Yes	Yes
SNAP1203	No	Yes	Yes
SNAP1203IL	No	Yes	Yes
SNAP1221	No	Yes	Yes
SNAP1221IL	No	Yes	Yes
SNAP1221PL	No	Yes	Yes
SNAP1223	No	Yes	Yes
SNAP1223IL	No	Yes	Yes
SNAP2101	No	Yes	Yes
SNAP2101IL	No	Yes	Yes
SNAP2101PL	No	Yes	Yes
SNAP2103	No	Yes	Yes
SNAP2103IL	No	Yes	Yes
SNAP2121	No	Yes	Yes
SNAP2121IL	No	Yes	Yes
SNAP2121PL	No	Yes	Yes
SNAP2123	No	Yes	Yes
SNAP2123IL	No	Yes	Yes
HBL1201ST	Yes	Yes	Yes
HBL1203ST	Yes	Yes	Yes
HBL1221ST	Yes	Yes	Yes
HBL1223ST	Yes	Yes	Yes
HBL1201STIL	Yes	Yes	Yes
HBL1203ST	Yes	Yes	Yes
HBL1221STIL	Yes	Yes	Yes
HBL1223STIL	Yes	Yes	Yes
CSB115ST	No	Yes	Yes
CSB315ST	No	Yes	Yes
CSB120ST	No	Yes	Yes
CSB320ST	No	Yes	Yes
DS115ST	No	Yes	Yes
DS315ST	No	Yes	Yes
DS120ST	No	Yes	Yes
DS320ST	No	Yes	Yes
DS120STIL	No	Yes	Yes
DS320STIL	No	Yes	Yes

Note: Catalog numbers above represent all colors and variations

Dimensions in Inches (mm)

10A 250V AC 20A 125V AC Horsepower Rated 3/4 HP, 125-250V AC

Description		Terminal	Catalog Number
Single pole/ single throw.		Screw Spade	HBL11 HBL11SP
Single pole/ single throw momentary.		Screw Spade	HBL11M HBL11SPM
Single pole/ double throw.		Screw Spade	HBL12 HBL12SP
Single pole/ double throw 3-position center OFF.		Screw Spade	HBL123 HBL123SP
Single pole/ double throw 3-position center OFF momentary.		Screw Spade	HBL123MM HBL123SPMM



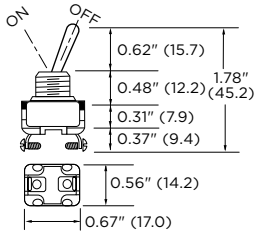
HBL11



HBL123SP

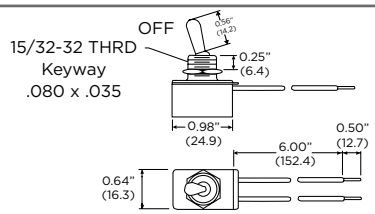
Note: All threaded stems 15/32 in.–32 thread.

10A 240V AC 15A 120V AC

Description		Terminal	Catalog Number
Single pole/ single throw.		Screw	HBL118

Note: 15/32 in.–32 thread.

4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

Description		Terminal	Catalog Number
Single pole/ single throw.		#18 Std. AWG Copper Wire Leads 105° C Black.	HBL11WL

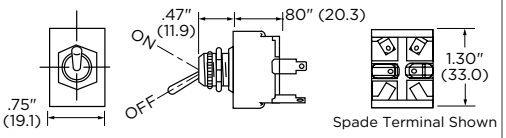
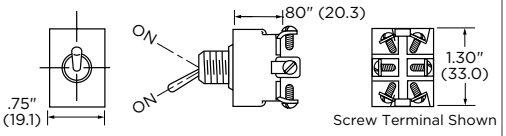
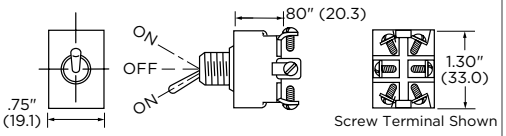
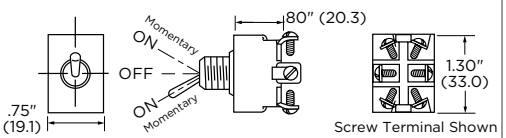
Note: 15/32 in.–32 thread, keyway .080 x .035.

Specifications

Impact Resistant Thermoplastic Body.
Fine Silver Contacts.
Knurled Nut, Hex Nut And Strap All Nickel Plated.
Keyed Brass Bushing Nickel Plated.
Brass Toggle Nickel Plated.
Choice of Terminal Design: .250 in. (6.3) Male Tab Spade Type or 6/32 Screw Type.
UL Recognized.

Dimensions in Inches (mm)

10A 250V AC 20A 125V AC Horsepower Rated 1½ HP, 125-250V AC

Description		Terminal	Catalog Number
Double pole/ single throw.		Screw Spade	**HBL21 HBL21SP**
Double pole/ single throw.		Screw Spade	**HBL22 HBL22SP**
Double pole/ double throw 3-position center OFF.		Screw Spade	**HBL223 HBL223SP**
Double pole/ double throw 3-position center OFF momentary.		Screw Spade	**HBL223MM HBL223SPMM**
Silicone rubber boot.		Screw or Spade	**SSB1**



HBL21



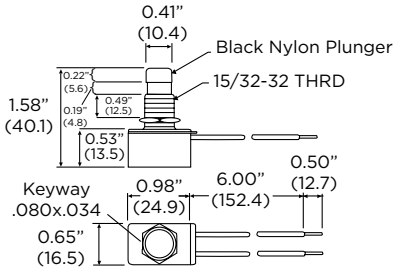
HBL223



SSB1

Note: All threaded stems 15/32 in.–32 thread.
See page CC-35 for additional information on 12V DC tapered handle switches.

4A 250V 8A 125V 10A 120V AC 1/3 HP 120V AC

Description		Terminal	Catalog Number
Single pole/ single throw.		#18 Std. AWG Copper Wire Leads 105° C Black.	**HBL11PBWL**

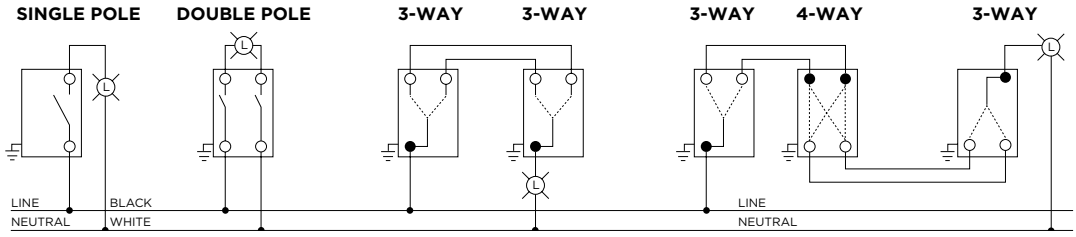


HBL11PBWL

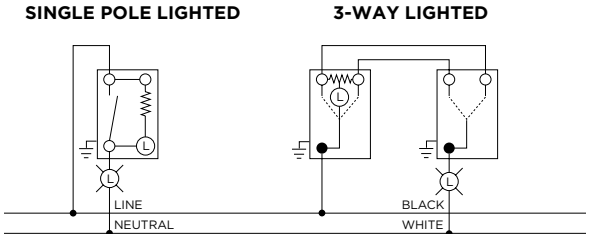
Note: 15/32 in.–32 thread, keyway .080 x .035.

Dimensions in Inches (mm)

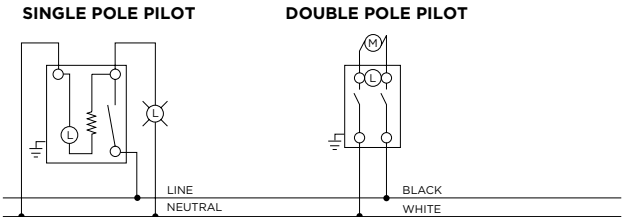
Standard Toggle Type Switches



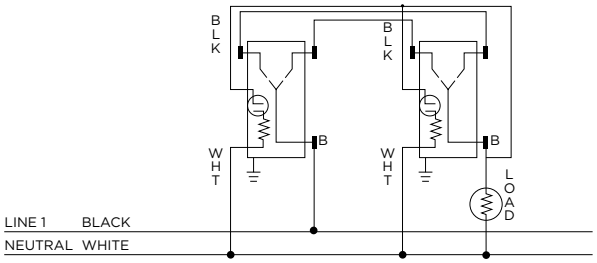
Illuminated Switches (light ON with load OFF)



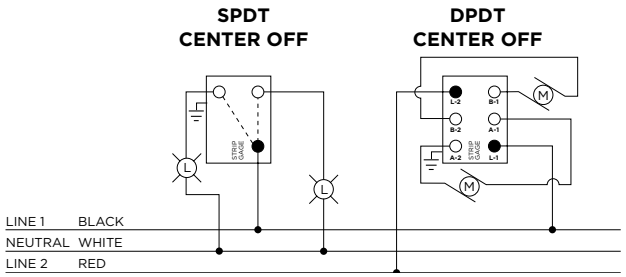
Pilot Light Switches (light ON with load ON)



Three Way Pilot Switches



Three Position Switches, Momentary and Maintained



Specifications - HBL® Extra Heavy Duty Industrial Grade Switches (SP, DP, 3-Way, 4-Way)

Listings	Component	Material
UL Listed CSA Certified Verified to Fed. Spec. W-S-896, SP, DP, 3-way and 4-way	Base Top Nylon Brass Terminal Screws Mounting Bridge Contacts Silver Moveable Contact Arm Rocker Ground Terminal Ground Screw Automatic Grounding Clip	Thermoset, Color Coded by Amperage Thermoset, Gray Nylon Brass Brass Nickel Plated Steel Silver Alloy Brass Elastomer Nickel-Plated Steel Brass Stainless Steel

Performance Data

Electrical	
Dielectric Voltage Max. Working Voltage Overload Temperature Rise Max. Continuous Current Endurance	Withstands 1500V AC minimum for 1 minute 277V AC Minimum 4.8 times rated current for 100 cycles 30°C maximum at rated current 15A, 20A, 30A 50,000 cycles min., tungsten filament lamp load Fed. Spec. #WS896, SP, DP, 3-way and 4-way
Mechanical	
Terminal Accommodations	#14 AWG min. - #10 AWG max. solid and stranded copper wire only
Environmental	
Flammability Operating Temperature	UL 94V-2 Max. continuous: 75°C; Min. continuous: -40°C without impact

Dimensions in Inches (mm)

ScrubSwitch™ Proximity Tap Sealed Switches

Features and Benefits

Satisfy environmental health cleaning requirements with a better switch. ScrubSwitch devices are the first switches designed to withstand the rigors of medical cleaning solutions and stricter protocols. The switch module is 100% sealed against liquids and installs in a standard electrical box. Unlike toggle switches, the totally smooth plate surface offers bacteria nowhere to hide.

- One and two-gang ScrubSwitch models offer single pole and multi-way operation (single gang only)
- Patented proximity tap sensing technology
- 10A/120V, 8A/277V, 1/2HP motor
- For LED, fluorescent, or incandescent lighting loads
- NEMA 3R rated
- Available in a smooth, antimicrobial ABS plate or a stainless steel plate
- Mounts to a standard box
- Complies with UL60730 (Automatic electrical controls) and CAN/CSA-E60730-1 (category CLSB/7)
- Rated 50,000 cycles per Fed Spec



1-Gang and 2-Gang ScrubSwitch™ Proximity Tap Sealed Switches

Description		Catalog Number
Proximity tap switch, single gang.	With stainless steel plate With ABS antimicrobial plastic plate, white Base module only, plate sold separately	**WSS1277SS** **WSS1277PW** **WSS1277**
Proximity tap switch, 2-gang.	With ABS antimicrobial plastic plate, white	**WSS2277PW**

1-Gang and 2-Gang ScrubSwitch™ Covers

Description		Catalog Number
Cover plate, single gang.	Stainless steel plate ABS antimicrobial plastic plate, white	**WSS1SS** **WSS1PW**
Cover plate, 2-gang.	ABS antimicrobial plastic plate, white	**WSS2PW**

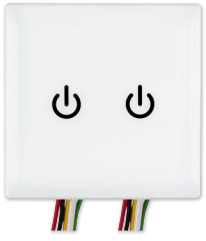
Note: Cover plates available in red; consult factory.



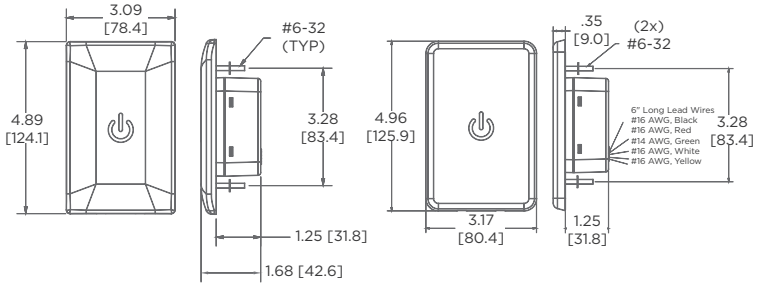
WSS1277PW



WSS1277SS

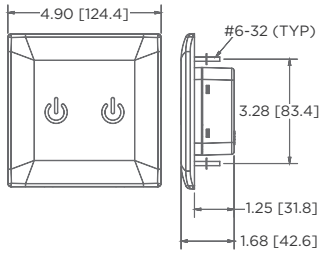


WSS2277PW



WSS1277PW—White ABS plastic plate

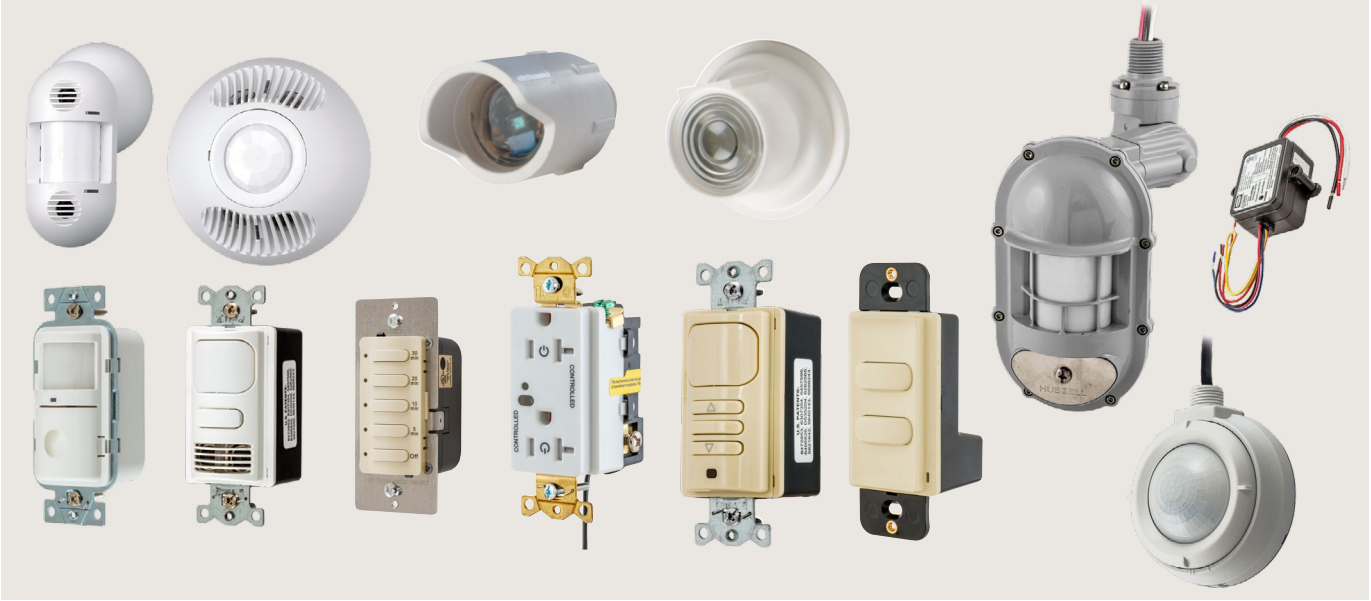
WSS1277SS—Stainless steel plate



WSS2277PW—White ABS plastic plate

Note: All units can be used as SP, 3 & 4-way, additional ScrubSwitch devices need to be used. Do not use a mechanical switch.

Dimensions in Inches (mm)





Wall Switch Sensors



MAXX™ Harsh Environment Occupancy Sensors



Automatic Receptacle Control Solutions

Hubbell Energy Efficiency Solutions

- Energy Consumption and Standards Compliance F-2
- The Right Technology for the Right Application. F-3

Space Control - Wall Switch Sensors

- Adaptive Technology F-5
- Passive Infrared and Digital Timers F-6

Ceiling, Wall and End Mount High/Low Bay Sensors

- Low Voltage and Line Voltage Ceiling Sensors. F-8
- Low Voltage Switches and Control Units F-8
- Control Units and Dimming Controlss. F-9

Extreme Temperatures Sensors and OPTIMYZER® Watertight End Mount PIR Sensor

- Extreme Temperature PIR Ceiling Sensor. F-10
- OPTIMYZER Watertight End Mount PIR Sensor F-10

Automatic Receptacle Control Solutions

- Wired and Wireless Methodologies. F-12
- Energy Codes and Standards F-12
- Wired Switched Receptacles and Control Units F-13
- Wireless Switched Receptacles and Control Units. F-13

Specifications, Coverage Patterns and Wiring Schematics F-14

Energy Consumption and Standards Compliance

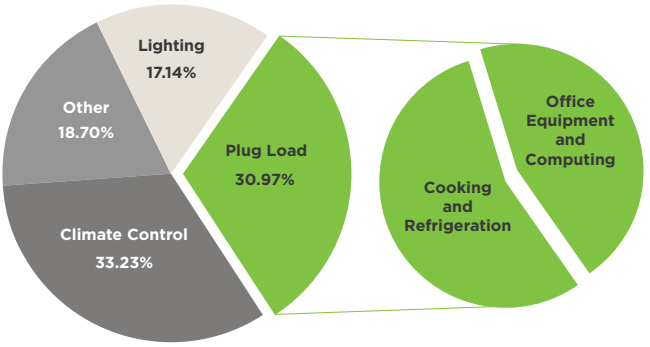
Electricity consumption in commercial buildings has changed dramatically over the past decade. Energy efficient lighting sources like LEDs have reduced their contribution on a commercial building's total electricity consumption from 40% to approximately 17%. Today plug and process loads consume up to 30% of a typical commercial building's energy costs. Energy Efficiency Codes & Standards are becoming more stringent in an effort to reduce energy consumption in all areas of commercial buildings.

Hubbell Load:Logic® series of control devices offers a broad range of space, centralized and distributed controls that meet the latest codes and standards and qualify for LEED certification points. Hubbell devices feature ease of installation, setup, operation and commissioning process. The result is an "install-and-forget" experience.

Additional features include:

- Occupancy or time-based controls
- Manual ON mode requires user operation to turn lights ON but automatically turns lights OFF when a space is unoccupied after a specified period of time
- Daylight harvesting sensors for dimming or to keep the lights OFF when natural light is sensed
- Automatic receptacle control

Commercial Buildings Electricity Consumption



Electrical bill impact for a typical office building

Adaptive Technology Provides Better Control

Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjusting the sensitivity and timer based on environmental history.

- Lower energy costs and utility bills
- No need to manually adjust for occupancy changes



Backed by Hubbell Service and Support

Hubbell Energy Efficiency Solutions focus on environmental stewardship, innovative products and efficient building operations. Hubbell also offers superior service and support with:

- Detailed online e-learning courses
- Product selection guide to assist in choosing the right technology
- Online specification assistance
- Highly knowledgeable network of trained professionals and staff
- BIM models and 3D coverage patterns

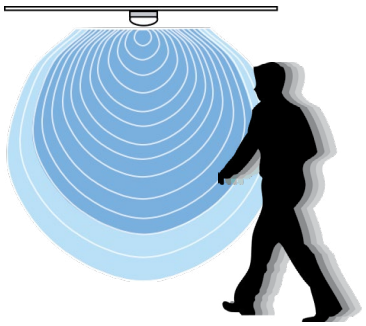


Passive Infrared (PIR)



Requires a clear, unobstructed line of sight for detection, because it senses occupancy as movement of heat emitted from the body against the background space. A segmented Fresnel lens divides the coverage area into zones. Movement across zones is interpreted as occupancy.

Ultrasonic (US)

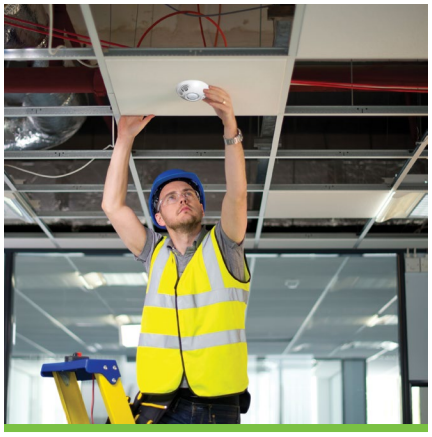


Senses occupancy by emitting an ultrasonic high-frequency sound wave (32 kHz to 45 kHz), sensing the frequency of the reflected signal, and then determining occupancy based on a change in frequency. While this has a limited range, it detects small motions and does not require a clear line of sight.

Dual Technology



Combines PIR and US technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.





Features and Benefits

Adaptive Dual (Ultrasonic and Passive Infrared)

Combines PIR and US technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Adaptive technology provides better control. Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

The optimum choice when performance is paramount.



Standard Passive Infrared

Requires a clear, unobstructed line of sight for detection, because it senses occupancy as movement of heat emitted from the body against the background space. A segmented Fresnel lens divides a coverage area into zones. Movement across zones is interpreted as occupancy.

Excellent for small room control.

Adaptive Series



Housing Design

- Steel mounting strap
- High impact molded plastics
- Color matching tamper-resistant lens



Coverage and Electrical Ratings

- Dual technology - 1,000 sq. ft.
- 120/277V AC 50/60 Hz; no neutral required; 24V DC, 33mA
- Zero-arc point switching
- Compatible with CFL/LED and motor loads



Operation

- Selectable Auto or Manual ON operating modes
- Vacancy only version
- Dual relay version for bi-level switching or lighting/fan control applications
- Photocell for extra energy savings

WS Series



Housing Design

- Steel mounting strap
- High impact molded plastics
- Color matching tamper resistant lens



Coverage and Electrical Ratings

- High density PIR - 1,200 sq. ft.
- WS1000 series - 120V AC 60Hz
  WS2000 series - 120/277V AC 60Hz; true three way capable
- No neutral required
- Compatible with CFL/LED and motor loads



Operation

- WS2000 series - Selectable Auto or Manual ON operating modes
- Vacancy only version
- Dual relay version for bi-level switching or lighting/fan control applications
- Photocell for extra energy savings

800W Incandescent/Electronic Ballast, 5A LED, 1/6 HP at 120V AC, 1800W Electronic Ballast, 5A LED, 1/6 HP at 277V AC

Dual (Ultrasonic and Passive Infrared)

Description	Color	Single Circuit		Dual Circuit	
		1 button	Auto control with no button	2 buttons	Auto control with no button
Selectable Manual/ Auto ON.	Ivory White	**AD2000I1** **AD2000W1**	**AD2000I1N** **AD2000W1N**	**AD2000I22** **AD2000W22**	**AD2000I22** **AD2000W22**
Manual ON (Vacancy).	Ivory White	**AD2001I1** **AD2001W1**	— —	**AD2001I22** **AD2001W22**	— —
Selectable Manual/Auto ON with neutral wire.	Ivory White	**ADN2000I1** **ADN2000W1**	— —	**ADN2000I2** **ADN2000W2**	— —

Note: Wallplate sold separately. See page F-14 for technical specifications, coverage patterns and wiring schematics.



AD2000W1 **AD2000W1N**
AD2001W1 **AD2000W22N**

Dual (Ultrasonic and Passive Infrared) 24V DC, 33mA. Requires a CU300xx series control unit.

Description	Color	Single Circuit	Dual Circuit
		1 button	2 buttons
Selectable Manual/ Auto ON.	White	**AD2240W1**	**AD2240W2**
Manual ON (Vacancy).	White	**AD2241W1**	—

Note: Wallplate sold separately. See page F-14 for technical specifications, coverage patterns and wiring schematics.



AD2240W1
AD2241W1

Passive Infrared

Description	Color	Single Circuit	Dual Circuit
		1 button	2 buttons
Selectable Manual/ Auto ON.	Ivory Light Almond White	**AP2000I1** **AP2000LA1** **AP2000W1**	**AP2000I22** **AP2000LA22** —
Selectable Manual/ Auto ON with neutral wire.	Ivory White	**APN2000I1** **APN2000W1**	— —
Manual ON (Vacancy).	Ivory White	**AP2001I1** **AP2001W1**	**AP2001I22** —

Note: Wallplate sold separately. See page F-14 for technical specifications, coverage patterns and wiring schematics.



AP2000W1 **AP2000W22**
AP2001W1 **AP2001W22**

Dimensions in Inches (mm)

Wall Switch Sensors and Timers

Passive Infrared Manual time delay adjustment.

Description	Color	Standard	With Nightlight	With Neutral	With Nightlight and Neutral
Manual adjusting; selectable manual/auto ON operation; dual-voltage 120/277V AC; multi-way capable.	Gray Ivory Light Almond White	**WS2000GY** **WS2000I** **WS2000LA** **WS2000W**	**WS2000NGY** **WS2000NI** **WS2000NLA** **WS2000NW**	— **WS2004I** — **WS2004W**	— **WS2004NI** — **WS2004NW**
Manual adjusting; selectable manual/auto ON operation; 120V AC only.	Ivory Light Almond White	**WS1000I** **WS1000LA** **WS1000W**	**WS1000NI** **WS1000NLA** **WS1000NW**	— — —	— — —
Manual adjusting; manual ON operation; 120V AC only.	Ivory Light Almond White	**WS1001I** **WS1001LA** **WS1001W**	**WS1001NI** **WS1001NLA** **WS1001NW**	— — —	— — —
Manual adjusting; auto ON operation; dual circuit; 120V AC only.	Gray Ivory Light Almond White	**WS1020GY** **WS1020I** **WS1020LA** **WS1020W**	**WS1020NGY** **WS1020NI** **WS1020NLA** **WS1020NW**	— **WS1024I** **WS1024LA** **WS1024W**	— **WS1024NI** **WS1024NLA** **WS1024NW**
Manual adjusting; manual ON operation; dual circuit; 120V AC only.	Gray Ivory Light Almond White	**WS1021GY** **WS1021I** **WS1021LA** **WS1021W**	**WS1021NGY** **WS1021NI** **WS1021NLA** **WS1021NW**	— **WS1025I** **WS1025LA** **WS1025W**	— **WS1025NI** **WS1025NLA** **WS1025NW**

Note: See page F-15 for technical specifications, coverage patterns and wiring schematics.



WS2000W
WS1000W



WS1020NW
WS1021NW

Digital Timer 24V DC, 33mA. Requires a CU300xx series control unit.

Description	Color	Catalog Number
DIP switch enable preset intervals for 2 and 4 hours. User adjustable up to 24 hours. 3-way capable, 960W @ 120V AC and 1200W @ 277V AC.	White	**DT2000W**



DT2000W

Programmable Timer

Description	Color	Catalog Number
Wall Switch Programmable Timer with Astronomical Clock, Features 3 Interchangeable cover colors: Gray, Light Almond and White. Compatible in SP and 3-Way configurations, 120V AC, neutral wire required.	White	**WSTA120**



WSTA120

Count Down Timers

Description	Color	30 Minutes: OFF, 5, 10, 20, 30	60 Minutes: OFF, 15, 30, 45, 60	12 Hours: OFF, 2, 4, 8, 12
1000W @ 120V AC and 1400W @ 277V AC.	Ivory Light Almond White	**DT5030I** **DT5030LA** **DT5030W**	**DT5060I** **DT5060LA** **DT5060W**	**DT5012I** **DT5012LA** **DT5012W**



DT5030W

Dimensions in Inches (mm)

Features and Benefits

Dual (Ultrasonic and Passive Infrared)

Combines PIR and Ultrasonic technology, minimizing the risk of lights turning ON when the space is unoccupied. Once occupancy is detected by both technologies within the space lights are turned ON, only one technology is necessary to keep the lights ON.

Adaptive technology provides better control. Hubbell's patented breakthrough in advanced control feature smart microprocessors constantly monitoring the controlled area and adjust the sensitivity and timer based on environmental history.

The absolute choice for advanced control and precise performance.

Passive Infrared

Passive infrared sensors are specifically designed for long-range major motion activity sensitivity, making them ideal for large open areas.

Various models are suitable for indoor and outdoor applications where NEMA 4X rating is required. Other units are suitable for extreme temperature areas providing unsurpassed flexibility for almost every application.



Ceiling Mount



Housing Design

- High-impact, plastic (UL94, 5VA)
- 12-element segmented Fresnel lens; 32kHz ultrasonic transmitter and receiver
- Mounting base provided



Coverage and Electrical Ratings

- Up to 2,000 sq. ft. between 8ft. and 12ft. mounting height; 24V DC active high-logic control signal
- Option of a N/O + N/C contacts; SPDT; 500 mA rated @ 24V DC; three-wire isolated relay for HVAC or energy management systems integration



Operation

- Self adjusting sensitivity thresholds and timers; automatic false ON/ false OFF corrections, strong airflow compensation mode
- Compatible with Hubbell's distributed and centralized control systems

Wall Mount



Housing Design

- High-impact, plastic (UL94, 5VA)
- 12-element segmented Fresnel lens; 32kHz ultrasonic transmitter and receiver
- Mounting base provided



Coverage and Electrical Ratings

- Up to 1,600 sq. ft. between 8ft. and 12ft. mounting height (30ft. for high bay, aisle model); 24V DC active high-logic control signal
- Option of a N/O + N/C contacts; SPDT; 500 mA rated @ 24V DC; three-wire isolated relay for HVAC or energy management systems integration



Operation

- Self adjusting sensitivity thresholds and timers; automatic false ON/ false OFF corrections, airflow compensation mode
- Compatible with Hubbell's distributed and centralized control systems

Ceiling and Wall Mount Sensors

Dual (Ultrasonic and Passive Infrared) Ceiling Sensors

Combines the excellent minor motion detection of ultrasonic with the outstanding passive infrared (PIR) long-range major motion detection.

Description	Voltage	Coverage Area	
		2000 sq. ft. (360°)	1000 sq. ft. (180°)
Low voltage sensor with photocell and isolated relay.	24V DC	ATD2000CRP	ATD1000CRP
Low voltage sensor.	24V DC	ATD2000C	—
Line voltage sensor.	120-277V AC	ATD2000CL	ATD1000CL



ATD2000C

Passive Infrared Ceiling Sensors

Outstanding long range major motion detection.

Description	Voltage	Coverage Area
		1500 sq. ft. (360°)
Low voltage sensor with photocell and isolated relay.	24V DC	ATP1500CRP
Low voltage sensor.	24V DC	ATP1500C
Line voltage sensor.	120-277V AC	ATP1500CL

Note: All Low voltage ceiling sensors must use a CU series control unit. See page F-9 for details. Line voltage ceiling sensors suitable for occupancy (auto-ON) applications only. Use low voltage ceiling sensors and low voltage switches with CU series control units (F-9) for vacancy (manual ON) applications. See pages F-16 to F-19 for technical specifications, coverage patterns and wiring schematics. For Assembled in USA units Add suffix "U".



ATD1000CRP



ATP1500C

Dual (Ultrasonic and Passive Infrared) Wall Mount Sensors

Description	Color	Coverage	Catalog Number
Low voltage sensor 32kHz with photocell and isolated relay.	Office White	1600 sq. ft.	ATD1600WRP



ATD1600WRP

Passive Infrared Wall Mount Sensors

Description	Color	Coverage	Catalog Number
Low voltage sensor with photocell and isolated relay.	Office White	1600 sq. ft.	ATP1600WRP
Low voltage sensor for aisle and high bay applications, with photocell and isolated relay.	Office White	120 linear feet	ATP120HBRP

Note: All wall mount sensors must use a CU series control units. See page F-9 for details. See pages F-16 to F-19 for technical specifications, coverage patterns and wiring schematics. For Assembled in USA units Add suffix "U".



ATP1600WRP

Low Voltage Switches

Single gang design, momentary or latching operation. Compatible with all Hubbell low voltage sensors and Load:Logic® Centralized and Distributed Control Systems. 100mA @ 30V DC max.

Description	Color	Catalog Number
Low voltage switch, latching, 1 button.	Ivory Light Almond White	DSL30I1 DSL30LA1 DSL30W1
Low voltage switch, momentary, 1 button.	Ivory Light Almond White	DSM30I1 DSM30LA1 DSM30W1
Low voltage switch, momentary, 2 buttons.	Ivory Light Almond White	DSM30I2 DSM30LA2 DSM30W2

Note: Wallplate sold separately.

Dimensions in Inches (mm)



DSL30W1
DSM30W1

Emergency Lighting Controls

20 Amps, 120/277V AC, NC isolated contacts UL924 listed for emergency circuits. 0-10V dimming override.

Description	Catalog Number
Emergency lighting control unit.	CU300ELC
Remote test switch with engraved wallplate.	RTPB10W

Note: See page F-23 for technical specifications.



CU300ELC



RTPB10W

Control Units

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Auto ON operation, 100-277V AC, 50/60Hz for use with 1 to 4 ATD, ATU, ATP and AD2240 series sensors.	CU300A
Manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 4 ATD, ATU, ATP and AD2240 series sensors.	CU300M
Auto or manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 6 ATD, ATU, ATP, AHP and AD2240 series sensors, heavy duty latching relay for reactive loads and automatic receptacle control.	CU300HD

Note: See page F-17 for technical specifications.
For Assembled in USA units Add suffix "U".



CU300A

Add-A-Relay

Hubbell AAR Add-A-Relay contains an internal relay for control of an external load. The AAR requires a 24V DC power supply from the Hubbell CU series control unit. AAR units are typically used when multiple zone control is desired or the load exceed the maximum load rating of a single control unit.

Description	Catalog Number
Auto ON operation, 120-277V AC, 50/60Hz. Requires a CU300 series control unit; suitable for lighting loads.	AAR
Auto or manual ON operation, 100-277V AC 50/60Hz. Requires a CU300 series, heavy duty latching relay; suitable for automatic receptacle control applications.	AAR20P

Note: See page F-17 for technical specifications.



CU300HD



AAR



AAR20P

0-10V Adaptive Technology Wall Switch Sensor

Description	Color	PIR	Dual (PIR & US)
Dimming selectable auto ON/auto OFF manual ON/auto OFF, current sinking capacity, 30mA.	Ivory Light Almond White	APD2000I1 APD2000LA1 APD2000W1	ADD2000I1 — ADD2000W1
Dimming manual ON/auto OFF (Vacancy) only, current sinking capacity, 30mA.	Ivory Light Almond White	APD2001I1 APD2001LA1 —	— — ADD2001W1



APD2000W1
APD2001W1

ADD2000W1
ADD2001W1

Low Voltage Switches with 0-10V Dimming

Single gang design, momentary, latching or a combination operation. Compatible with Hubbell CU300 series control units and IEC60929 Annex F.2 compliant dimming ballasts/LED drivers. Ideal for single zone dimming applications.

Description	Color	Voltage	Momentary, 3 button	Latching, 3 button	1 Latching, 1 Momentary, 4 button
Low voltage switch, 0-10V dimmer, current sinking capacity, 30mA.	Gray Ivory Light Almond White	24V DC	DSM010GY DSM010I DSM010LA DSM010W	— DSL010I DSL010LA DSL010W	DSC010GY DSC010I DSC010LA DSC010W

Note: See page F-23 for technical specifications.



DSM010I

Dimensions in Inches (mm)

MAXX™ Harsh Environment Sensing Devices

MAXX products are designed to withstand harsh environments manufactured with cold and heat resistant components. These sensors tolerate extremes of weather and applications. MAXX products provide users with methods to reduce energy usage in harsh environments where other commercial grade products can't.

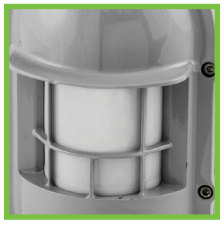


Ceiling Mount



Housing Design

- IP66, TYPE 4X, outdoor rated
- Housing manufactured from chemical resistant thermoplastic
- Multiple mounting kits for existing work boxes and hubs; pendant or wall mounting flexibility



Protection

- Integrated lens guard protects against accidental damage
- Photocell makes sure lights stay OFF when there is sufficient daylight
- Isolated relay provides signalling to HVAC and ventilation systems



Access Cover

- Stainless steel hardware and settings access cover

Wall Mount



Housing Design

- IP65, NEMA 3R watertight, and outdoor rated
- Fixture or work box mounting with 1/2" threaded nipple



Coverage and Electrical Ratings

- Digital passive infrared (PIR) sensor
- Two (upward/downward) photocells options for daylight harvesting
- Supplied with 360° lens; aisle, end-of-aisle and 180° lenses available separately
- -40°F to 149°F (-40°C to 65°C) operating temperature range; compatible with CFL/LED and motor loads

TYPE 4X Outdoor, Passive Infrared Wall Mount Sensor

Description	Voltage	Catalog Number
PIR sensor, with isolated relay and photocell, gray.	24V DC	**AHP1600WRP**

Note: For use with CU300HD (100-277V AC, 50/60Hz) control unit. See page F-16 for technical specifications and coverage patterns.



AHP1600WRP

Extreme Temperatures Passive Infrared Ceiling Mounted Sensor

Use ACIPE to make NEMA 4X watertight.

Description	Voltage	Catalog Number
Sensor with isolated relay and photocell.	24V DC	**AHP1500CRP**

Note: For use with CU300HD (100-277V AC, 50/60Hz) control unit. See page F-16 for technical specifications and coverage patterns.



AHP1500CRP with ACIPE

Heavy Duty Control Unit

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Auto or manual ON operation, 100-277V AC, 50/60Hz, heavy duty latching relay.	**CU300HD**
Auto or manual ON operation, 100-277V AC, 50/60Hz. Requires a CU300 series, heavy duty latching relay.	**AAR20P**

Note: See page F-17 for technical specifications. For Assembled in USA units Add suffix "U".



CU300HD

OPTIMYZER® Watertight High Bay and Low Bay PIR Sensors with Photocells

IP65, NEMA 3R, outdoor rated, -40°F to 149°F (-40°C to 65°C) operating temperature range.

Description	Voltage	Standard	0-10V Dimming
Single relay end mount.	120-347V AC	**HBSXT13**	**HBSXT14D**
2 relays end mount.	120-347V AC	—	—
1 double pole relay end mount.	208, 240V AC	**HBSXT28**	—
1 double pole relay end mount.	480V AC	**HBSXT48**	—
Low voltage end mount.	24V DC	**HBSXT24***	**HBSXT24D***
Single relay surface mount.	120-480V	—	**HBSXT14DSM**
Low voltage surface mount.	24V DC	—	**HBSXT24DSM***

Note: 360° high bay lens included. Low bay lens options sold separately, see below for details.
**For use with CU300HD (120/277V AC, 50/60Hz) control unit. See pages F-20 and F-21 for technical specifications and coverage patterns.*



HBSXT24D

Replacement Lenses

Description	High Bay	Low Bay
180° lens.	**HBRLXT180**	**LBRLXT180**
360° lens.	**HBRLXT360**	**LBRLXT360**
Aisle lens.	**HBRLXTA**	**LBRLXTA**
End of aisle lens.	**HBRLXTEA**	**LBRLXTEA**

Note: 360° high bay lens included. Low bay lens options sold separately, see below for details.
**For use with CU300HD (120/277V AC, 50/60Hz) control unit. See pages F-20 and F-21 for technical specifications and coverage patterns.*



HBRLXT180 **HBRLXT360**



HBRLXTA **HBRLXTEA**

Dimensions in Inches (mm)

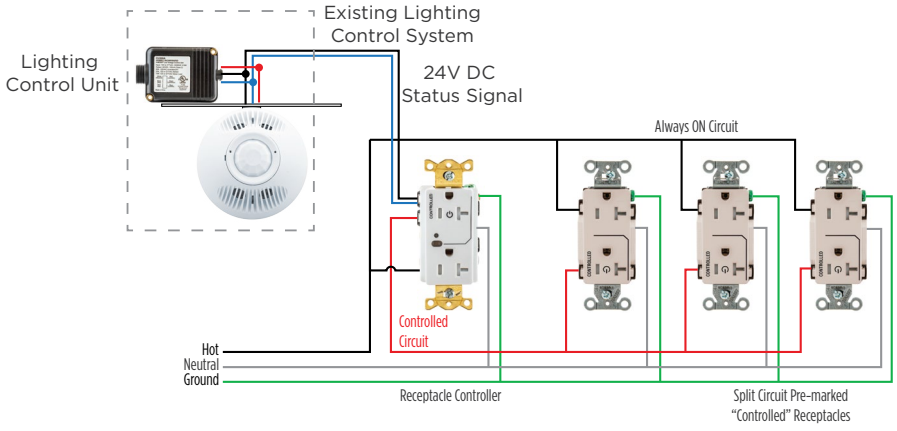
Automatic Receptacle Control

New Codes and Standards mandate that 50% of all receptacles in private offices, open offices and computer classrooms must be automatically controlled by occupancy or time based schedules. This also includes outlets in modular furniture. Hubbell provides solutions for compliance that are cost effective and installer friendly. Find out more design resources at www.hubbell-wiring.com/energy.aspx



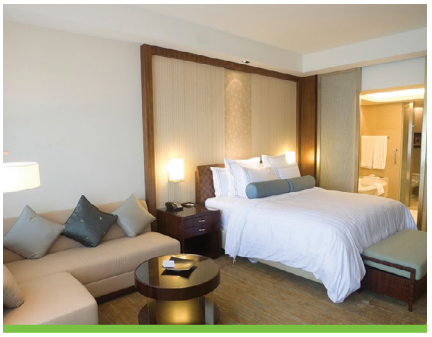
Wired

Utilizing low voltage wiring provides installers with a familiar method of wiring and installation. Specify Hubbell's new load control receptacle to meet this requirement. Utilize alternating outlet or split receptacle wiring as required to control at least 50% of the outlets in the space.





Codes and Standards



ASHRAE Standard 90.1 2019

Standard 90.1 requires that at least 50 percent of all 125V, 15A and 20A receptacles in private offices, open offices and classrooms be controlled by an automatic control device. Controlled receptacles need to be marked to differentiate them from non-controlled receptacles.



California Title 24 Building Energy Efficiency Standards 2019

Section 130.5(d) of California Energy Commission Title 24, Part 6 - 2019 code requires receptacles to have automatic shutoff controls in certain spaces in all buildings.

2020 National Electrical Code®

NEC Section 406.3(E) requires that all nonlocking, 125 V, 15A and 20A receptacles controlled by an automatic control device or by an automatic energy management system must be marked with the symbol and the word "CONTROLLED".

Wired

Switched Receptacles for Automatic Receptacle Control

Description	Color	15A		20A	
		Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Auto ON/Auto OFF control. Capable of controlling additional receptacles downstream.	Black Brown Gray Green Ivory Lt. Almond White	**HBL5262LC1BK** **HBL5262LC1** **HBL5262LC1GY** **HBL5262LC1GN** **HBL5262LC1I** **HBL5262LC1LA** **HBL5262LC1W**	**HBL5262LC2BK** **HBL5262LC2** **HBL5262LC2GY** **HBL5262LC2GN** **HBL5262LC2I** **HBL5262LC2LA** **HBL5262LC2W**	**HBL5362LC1BK** **HBL5362LC1** **HBL5362LC1GY** **HBL5362LC1GN** **HBL5362LC1I** **HBL5362LC1LA** **HBL5362LC1W**	**HBL5362LC2BK** **HBL5362LC2** **HBL5362LC2GY** **HBL5362LC2GN** **HBL5362LC2I** **HBL5362LC2LA** **HBL5362LC2W**

Note: See page F-22 for technical information. Special order for hospital grade devices.



HBL5362LC2W

Heavy Duty Control Unit

The CU300 series provides 24V DC power supply for sensors or sensor/Add-A-Relay combinations. The control units contain an internal relay for the control of an external load. Control units are plenum rated cULus Listed.

Description	Catalog Number
Auto or manual ON operation, 100-277V AC, 50/60Hz for use with 1 to 6 ATD, ATU, ATP, AHP and AD2240 series sensors, heavy duty latching relay for reactive loads and automatic receptacle control.	**CU300HD**
Auto or Manual ON operation, 100-277V, AC 50/60Hz. Requires a CU300 series, heavy duty latching relay; suitable for automatic receptacle control applications.	**AAR20P**

Note: See page F-17 for technical specifications and wiring schematics.



CU300HD

Wireless

Switched Receptacles for Automatic Receptacle Control

Description	Color	15A		20A	
		Split Circuit	Fully Controlled	Split Circuit	Fully Controlled
Wireless receiver Auto ON/Auto OFF. Capable of controlling additional receptacles downstream.	Black Brown Gray Green Ivory Lt. Almond White	**HBL5262RFC1BK** **HBL5262RFC1** **HBL5262RFC1GY** **HBL5262RFC1GN** **HBL5262RFC1I** **HBL5262RFC1LA** **HBL5262RFC1W**	**HBL5262RFC2BK** **HBL5262RFC2** **HBL5262RFC2GY** **HBL5262RFC2GN** **HBL5262RFC2I** **HBL5262RFC2LA** **HBL5262RFC2W**	**HBL5362RFC1BK** **HBL5362RFC1** **HBL5362RFC1GY** **HBL5362RFC1GN** **HBL5362RFC1I** **HBL5362RFC1LA** **HBL5362RFC1W**	**HBL5362RFC2BK** **HBL5362RFC2** **HBL5362RFC2GY** **HBL5362RFC2GN** **HBL5362RFC2I** **HBL5362RFC2LA** **HBL5362RFC2W**

Note: See page F-22 for technical information. Special order for hospital grade devices.



HBL5262RFC1W

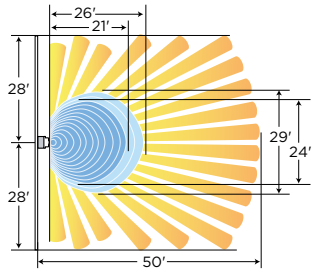
Dimensions in Inches (mm)

Adaptive Technology Wall Switch Sensors

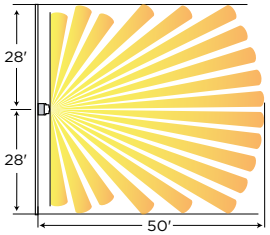
Electrical	AD2000, APD2000, AP2000 Series
Power Supply	120/277V AC, 50/60Hz
Load Capacity	800W Incandescent, 1000W Electronic Ballast, 5A LED
120V AC	1800W Electronic Ballast, 5A LED
277V AC	1/6HP
Motor Load	24V DC nominal, 33mA from Hubbell CU series control unit (AD2240 Series)
Power Requirements	UL and cUL Listed
Agency Approvals	
Physical	
Housing	High impact plastic (UL 94-5V)
Lens	Dual element pyrometer and 12 element cylindrical hard lens (AP2000 only)
Dimensions	Face 2.57"H x 1.71"W, 0.53"D (from wall out)
Mounting Height	42 to 54 inches above floor
Environmental	
Operating	32° F to 104°F (0°C to 40°C); 0% to 95% non-condensing relative humidity
Controls	
Time Delay	Digital, adaptive 4 to 30 minutes, 20 minutes default
Ambient Light	Adjustable ambient light override, 10 to 500 foot candles
Front Press Switch	Auto/OFF
Sensitivity	Adaptive 0% to 100%
Service Switch	Air gap OFF
Dimming	0-10V, Sink up to 30mA (APD2000 series only)
Sensing Indicator	
Passive Infrared	Red LED (AD & AP series only)
Ultrasonic	Green LED (AD & AU series only)

Wall Switches Coverage Patterns

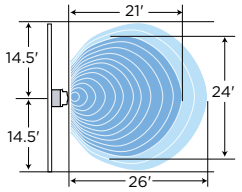
Minor Motion: Ultrasonic PIR
Major Motion: Ultrasonic PIR



AD2000 Series



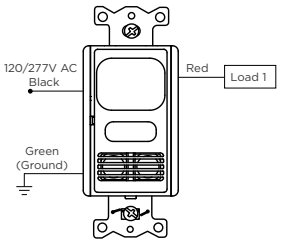
AP2000 Series



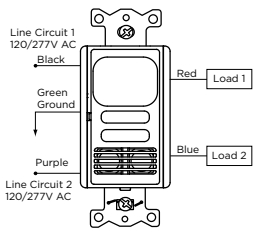
AU2000 Series

Wiring Schematic AD, AU, AP, 2000 Series Wall Switch Sensors

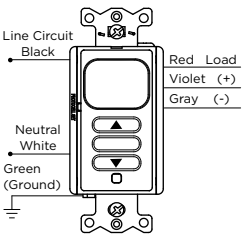
Single Circuit Wiring



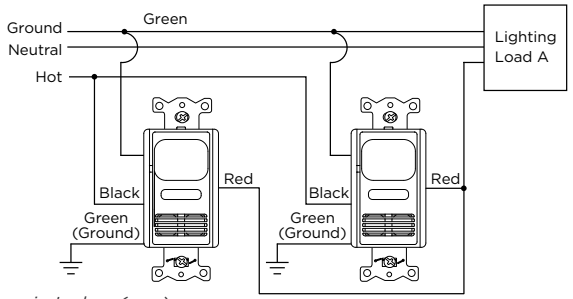
Two Circuit Sensor, Wired for Two Loads



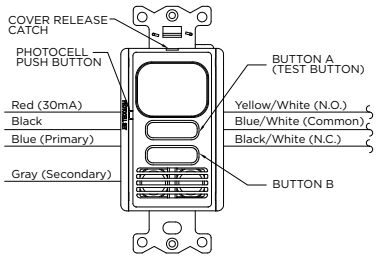
Wall Switch Sensors with Neutral Wires



Single Circuit Sensors, Wired as 3-Way Sensors*



Low Voltage Wall Switch Sensors*



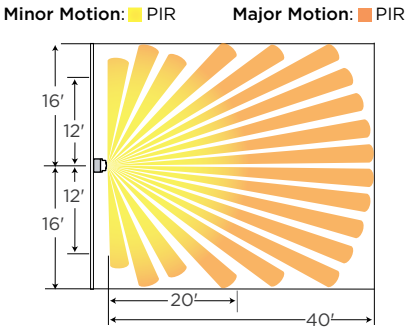
Dimensions in Inches (mm)

Adaptive Technology PIR Wall Switches

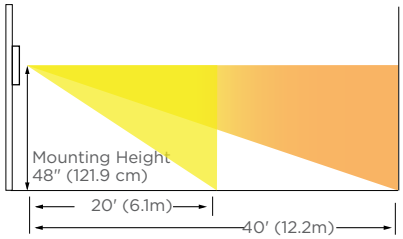
WS2000, WS1000 and WS1020 Series

Electrical	WS2000 Series	WS1000/WS1020 Series
Power Supply	120/277V AC, 60Hz	120V AC, 60Hz
Load Capacity		
Incandescent	1000 watts	5A/600 watts
120V Ballast, CFL, LED	1000 watts, 1/6HP	5A/600 watts, 1/6HP
277V Ballast, CFL, LED	1800 watts	N/A
Agency Approvals	cULus Listed	cULus Listed
Warranty	5 years	5 years
Physical		
Housing	Flame retardant UL 94 V-0 ABS	
Lens	Polyethylene	
Dimensions	Face 2.59"H x 1.30"W, 0.61"D (from wall out)	
Mounting Height	42 to 54 inches above floor	
Environmental		
Operating	32°F to 122°F (0°C to 50°C) with rate of change not exceeding 20°F (11°C) per hour; 20% to 90% non-condensing relative humidity	
Storage	-40°F to 150°F (-40°C to 65°C); 20% to 90% non-condensing relative humidity	
Controls		
Time Delay	Manual 6 seconds to 20 minutes	
Ambient Light	Digital, pushbutton, 10 to 500 foot candles	N/A
Front Press Switch	ON/OFF	ON/OFF
Service Switch	OFF (service) Vac (manual ON) Occ (auto ON)	OFF (service) ON (service)
Sensing Indicator		
Passive Infrared	Red LED	

Wall Switches Coverage Patterns



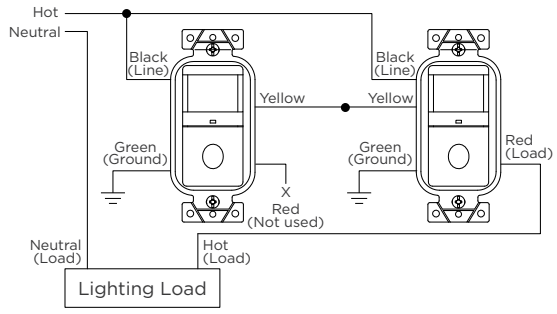
WS2000, WS1000 and WS1020 Series

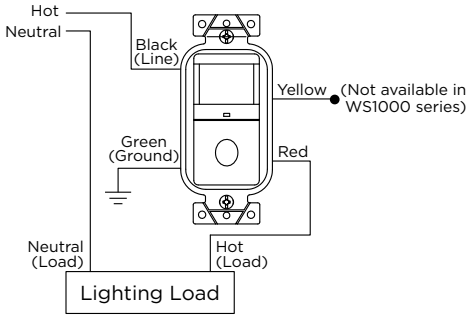


Vertical Coverage WS2000, WS1000 and WS1020 Series

Wiring Schematic WS2000, WS1000 and WS1020 Series Wall Switches

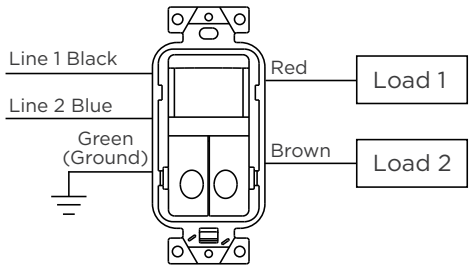
WS2000 Series Wall Switch Sensors





WS1020 Series Wall Switch Sensors

Dual Circuit Sensor, Wired for Dual Circuits



Dimensions in Inches (mm)

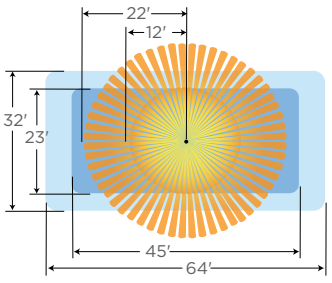
Adaptive Dual Technology, Ultrasonic and Passive Infrared Ceiling and Wall Mount Sensors

ATD, AHP and ATP Series

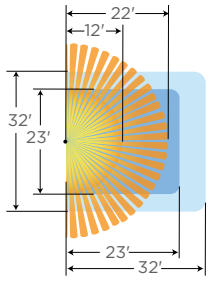
Electrical		
Power Requirements Isolated Relay (sensors with RP suffix) Agency Approvals	24V DC nominal, 33mA from Hubbell CU series control unit Relay: N/O + N/C contacts; 500mA rated @ 24V DC; 3-wire isolated relay UL and cUL Listed	
Physical	**Ceiling Sensors**	**Wall Mount Sensors**
Housing Protection Lens Dimensions Color Mounting Height	Flame retardant UL 94 V-0 ABS NEMA 4X, when used with ACIPE Polyethylene 1.5"H x 4.5"Diameter Office white 8 to 12 feet	Flame retardant UL 94 V-0 ABS NEMA 4X, IP66, outdoor use rated (AHP only) Polyethylene 6"H x 2"W x 1.5"D Office white; Gray (AHP series) 8 to 12 feet, 8 to 30 feet (ATP120HB series)
Environmental		
Operating	32°F to 104°F (0°C to 40°C) with rate of change not exceeding 20°F (11°C) per hour; 0% to 95% non-condensing relative humidity	
	-40°F to 149°F (-40°C to 65°C) with rate of change not exceeding 20°F (11°C) per hour; 0% to 95% non-condensing relative humidity (AHP series)	
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 95% non-condensing relative humidity	
Controls		
Time Delay Ambient Light Sensitivity	Test (8 seconds), adaptive 8 to 40 minutes 1 to 1000 foot candles Adaptive 0 to 100%	
Sensing Indicator		
Ultrasonic (ATD and ATU Series)	Green LED	
Passive Infrared (ATD, AHP and ATP Series)	Red LED	

Ceiling Sensors Coverage Patterns

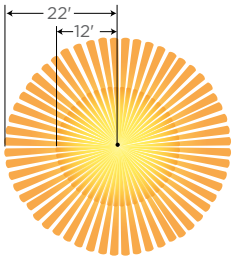
Minor Motion: Ultrasonic PIR **Major Motion:** Ultrasonic PIR



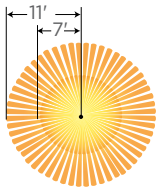
ATD2000C Series



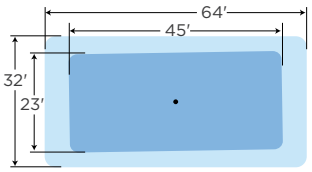
ATD1000C Series



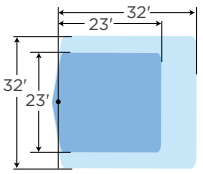
ATP1500C Series
AHP1500CRP Series



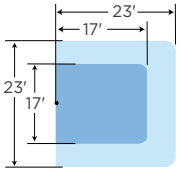
ATP600C Series



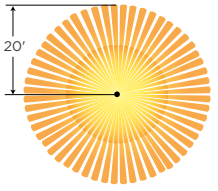
ATU2000C Series



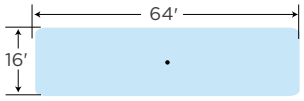
ATU1000C Series



ATU500C Series



LVPR1500R(P)

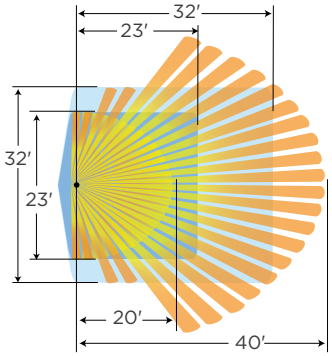


ATU2000C Series
Hallway Application

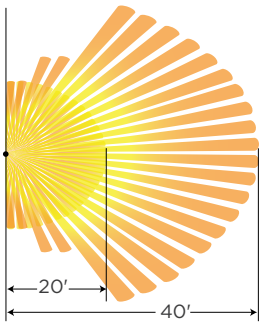
Dimensions in Inches (mm)

Wall Mount Sensors Coverage Patterns

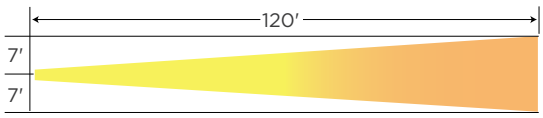
Minor Motion: Ultrasonic PIR **Major Motion:** Ultrasonic PIR



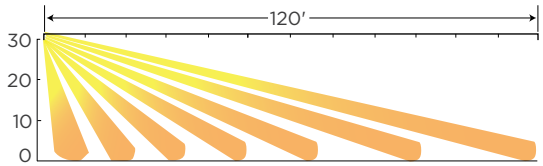
ATD1600W Series



ATP1600W Series
AHP1600WRP Series



ATP120HB Series
Top View



Side View

Control Units - CU300A or CU300M and CU300HD Series

Electrical	CU300A or CU300M	CU300ELC	CU300HD
Power Supply	100-277V AC, 50/60Hz	100-277V AC	100-277V AC, 50/60Hz
Power Output	24V DC, 150mA	N/A	24V DC, 250mA
Load Capacity	16A, 8A LED	16A	20A
Motor Loads	1HP	1HP	1HP @ 120V 2HP @ 240/277V
AT Sensor/AAR Capacity	1 to 4 combined		1 to 6 combined
Agency Approvals	UL and cUL Listed	cULus Listed	cULus Listed
Physical			
Housing Lens Dimensions	Flame retardant UL94-5VA thermoplastic 3.69″L x 2.33″W x 1.36″H Black	Flame retardant UL94-5VA thermoplastic 4.00″L x 3.4″W x 1.73″H Black	
Environmental			
Operating	32°F to 104°F (0°C to 40°C); 0% to 90% non-condensing relative humidity	-40°F to 149°F (-40°C to 65°C). Below 32°F (0°C) must use suitably rated non-metallic enclosure. 0% to 90% humidity, noncondensing	
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 90% non-condensing relative humidity		

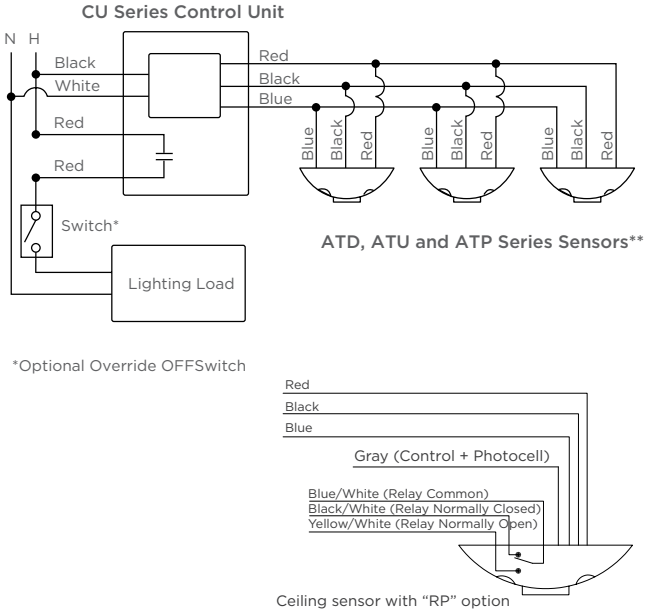
Adaptive Technology Wall Switch Sensors

Electrical	AAR	AAR20P
Power Input	24V DC nominal, 33mA from Hubbell CU series control unit	24V DC nominal, 50mA from Hubbell CU300HD series control unit
Load Capacity	16A, 120/277V AC, 8A LED	20A, 100-277V AC
Motor Loads		Motor Loads
1HP @ 120V	1800 watts	1HP @ 120V
2HP @ 240/277V	2400 watts	2HP @ 240/277V
Operation Mode	2400 watts	Selectable Auto ON/Auto OFF or Manual ON/Auto OFF
Agency Approvals	Auto ON/Auto OFF UL and cUL Listed	cULus Listed
Physical		
Housing Dimensions Color	Flame retardant UL94-5V thermoplastic 3.69″L x 2.33″W x 1.36″H Black	Flame retardant UL94-5VA thermoplastic 4.00″L x 3.4″W x 1.73″H Black
Environmental		
Operating	32°F to 104°F (0°C to 40°C); 0% to 90% non-condensing relative humidity	-40°F to 149°F (-40°C to 65°C). Below 32°F (0°C) must use suitably rated non-metallic enclosure. 0% to 90% humidity, non-condensing
Storage	-20°F to 150°F (-29°C to 65°C); 0% to 90% non-condensing relative humidity	

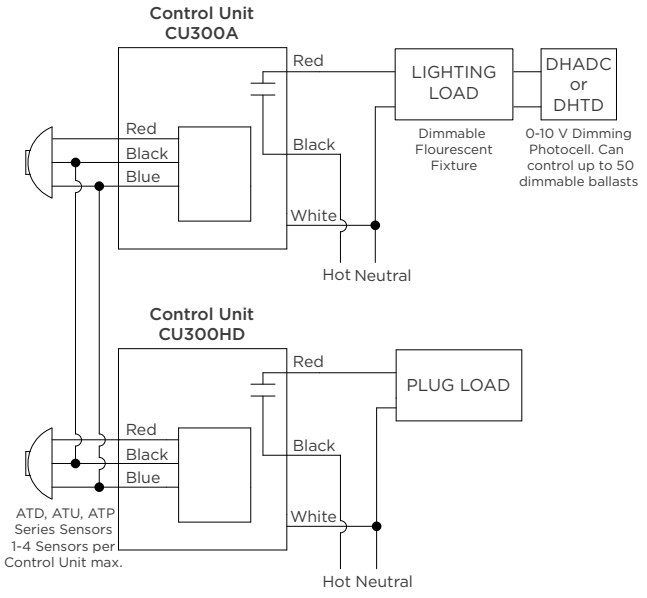
Dimensions in Inches (mm)

Ceiling and Wall Mount Sensors ATD, ATP Series

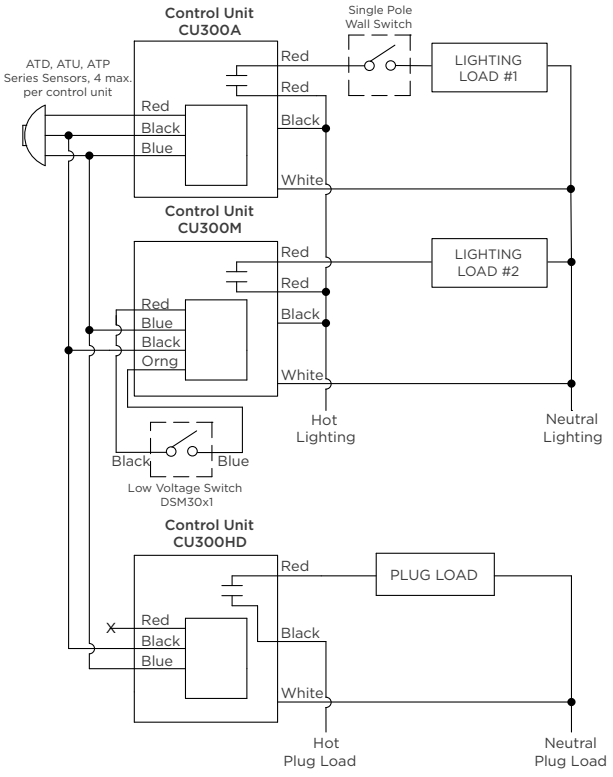
Single lighting circuit 1 to 4 sensors wired to control unit with optional override OFF switch application.



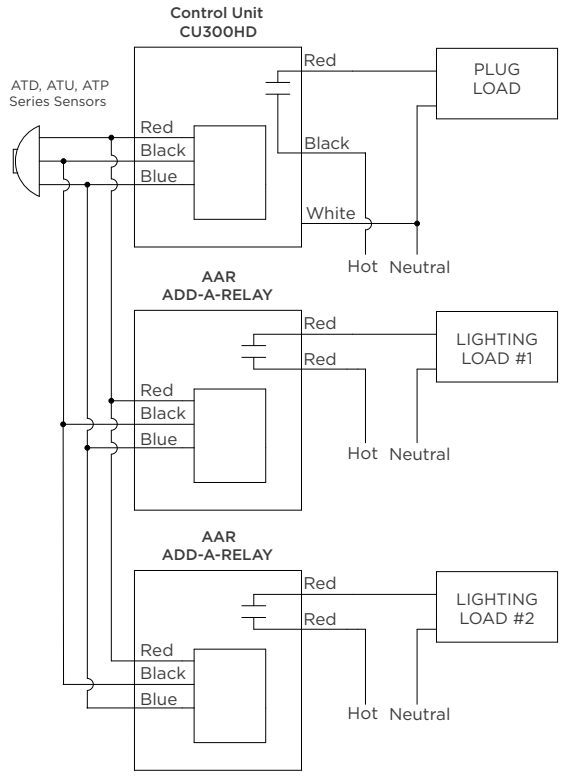
Single lighting circuit with 0-10V dimming and automatic receptacle control application.



Bi-level lighting circuit and automatic receptacle control application.



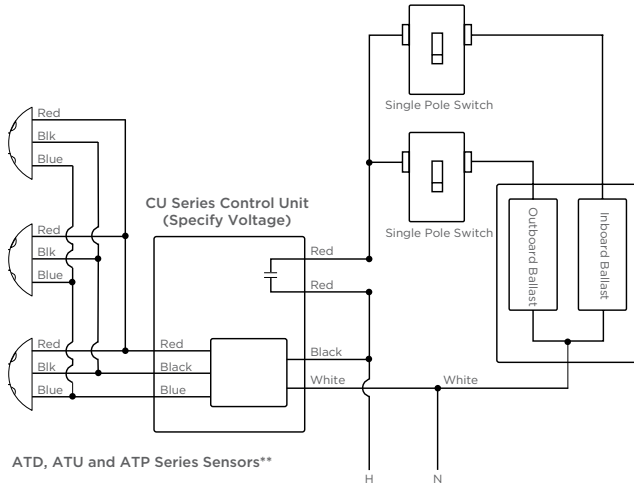
Two lighting circuits and automatic receptacle control application.



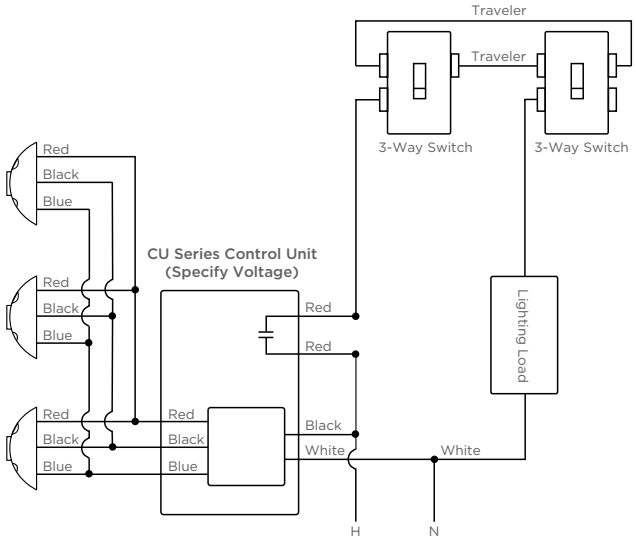
Dimensions in Inches (mm)

Adaptive Technology Dual, Ultrasonic, and Passive Infrared Ceiling and Wall Mount Sensors ATD, ATU and ATP Series

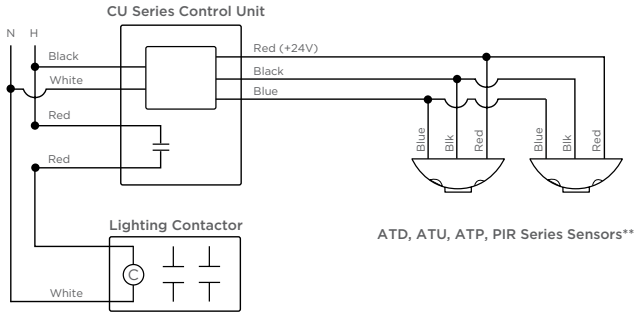
Single Circuit, Dual Level Switching Application.
1 to 4 sensors wired to control unit with optional override off switches.



Single Circuit, 3-Way Switching Application.
1 to 4 sensors wired to control unit with optional override off switches.

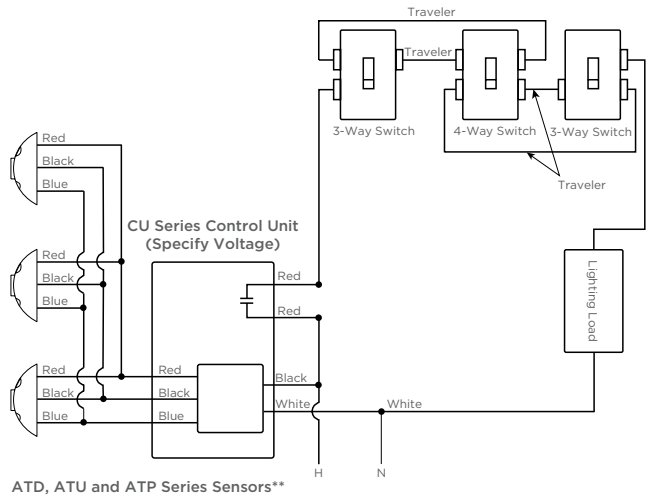


Multi-Circuit Application.
1 to 4 sensors wired to control unit that is wired to a multi-pole lighting contactor.



Multipole, Normally Open Lighting contactor to be supplied by Contractor

Single Circuit, 4-Way Switching Application.
1 to 4 sensors wired to control unit with optional override off switches.



*Note: **For wiring sensors with isolated relay and photocell option (models with "RP" suffix): Photocell Option: Cap off Blue sensor wire. Connect Gray sensor wire to Blue control unit wire. Isolated Relay Option: Common-Blue/White wire, Normally Closed-Black/White wire, Normally Open-Yellow/White wire.*

Dimensions in Inches (mm)

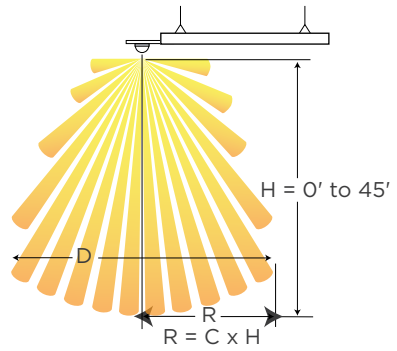
OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors

User Interface	(1) twelve pin DIP switch	
Timer time-outs	Primary: 8-second test mode, 4, 8, 16 and 30 minute time-outs Secondary: (Can be disabled) 30, 60 and 90 minute time-outs	
Passive infrared	Dual element pyrometer and spherical Fresnel lens	
Daylight sensor	Dual element pyrometer and spherical Fresnel lens designed for robust detection of a walking person*	
Coverage	360° lens provided, 180° aisle and end-of-aisle lenses also available	
Load ratings (Line voltage units)	120V AC: 800W ballast or tungsten, 5 LED 277V AC: 1200W ballast, 5 LED 347V AC: 1500W ballast	208/240V AC: 1200W ballast 480V AC: 2400W ballast 1/4" HP motor load @ 120V AC, 1/6" HP @ 347V AC
Low voltage sensors (Output)	24V DC nominal, 33mA from Hubbell CU series control unit Relay: N/O + N/C contacts; 500mA rated @ 24V DC; 3-wire isolated relay	
0-10V Dimming	Capable of sinking up to 30mA (Dimming series)	
Dimming presets unoccupied	70%, 60%, 50%, 20% (Dimming series)	
Full OFF timer delay enabled Full OFF timer delay disabled	After 60 minutes in the Unoccupied low level state, sensor will turn lighting OFF Sensor will maintain low level setting when there is no occupancy (Dimming series)	
Operating environment	Indoor use only models Operating temperature: (standard version) 32°F to 149°F (0°C to 65°C);	
	Relative humidity (non-condensing): 0% to 95%	
Construction	Casing: High-impact injection-molded thermoplastic	
Size and weight	Size: 4.0" Diameter x 1.5" Height; Weight: 7 oz.	
Color	White	
Mounting	Mounts directly to end of a fixture through an extended ½ inch chase nipple for deeper body fixtures, an optional Extender Adapter (HMHBSA available separately) positions the sensor flush or below the bottom of the reflector for a full field of view	
Certifications	cULus Listed, indoor models	
	Conforms to UL STD 508, UL STD 244A, and IP65 (Watertight) models HBSXT series	
Warranty	5 year limited	

*Note: *When used with program start ballast, a 1-2 second delay from occupancy detection to lamp turn-on may be experienced.*

HMHB Series

Minor Motion: PIR **Major Motion:** PIR



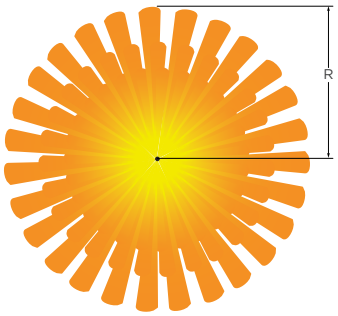
Lens Coverage
C = 1.4 @ 00–30 and 1.1 @ 30–45 (FT)

Height (H)	Radius (R)	Diameter (D)
18	25.2	50.4
20	28	56
24	33.6	67.2
28	39.2	78.4
30	42	84
32	35.2	70.4
36	39.6	79.2
40	44	88
42	46.2	92.4
45	49.5	99

OPTIMYZER Low Mount Lens Modification Coverage Patterns

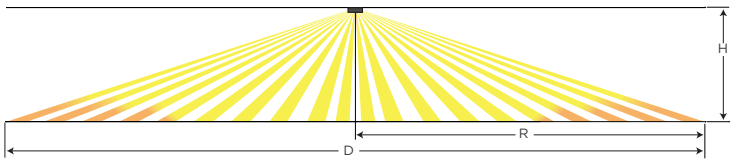
Minor Motion: PIR **Major Motion:** PIR

Top View



LBRLXT360

Side View

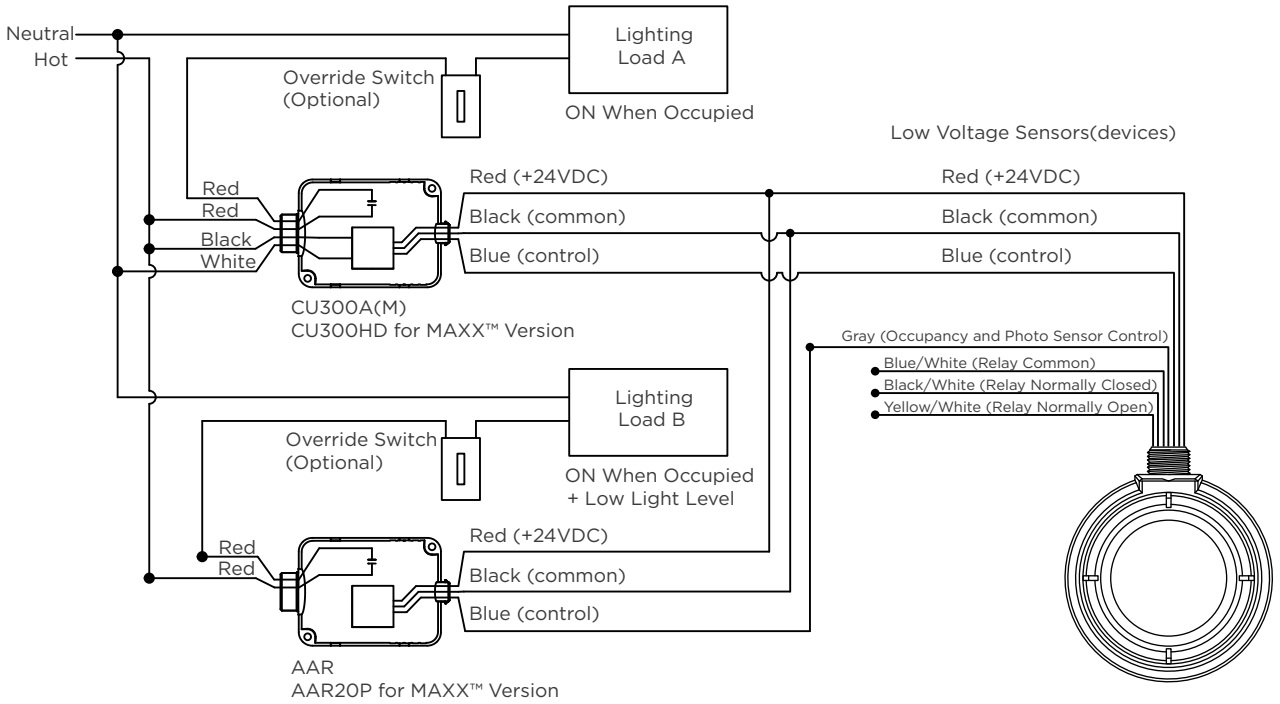


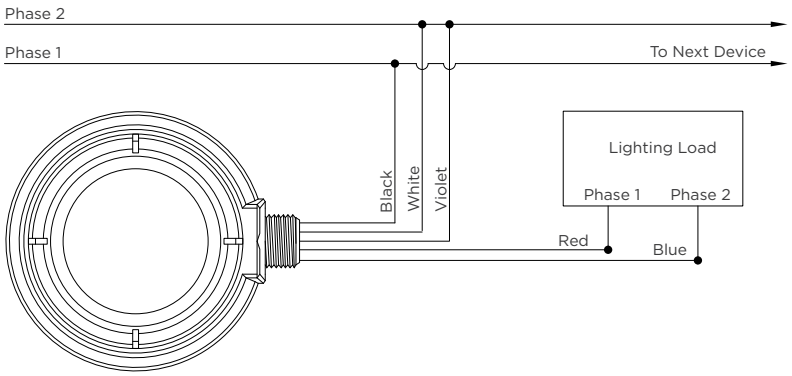
Lens Coverage 3:1 Ratio (FT)

Height (H)	Radius (R)	Diameter (D)
8	24	48
10	30	60
12	36	72
14	42	84
16	48	96

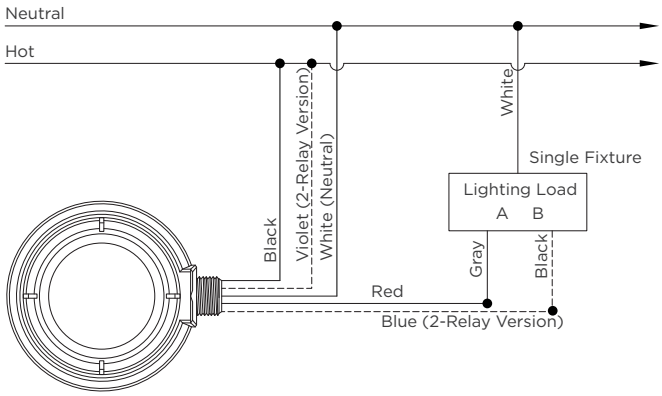
Dimensions in Inches (mm)

OPTIMYZER® High Bay and Low Bay End Mount PIR Sensors, Low Voltage Sensor with Control Unit.

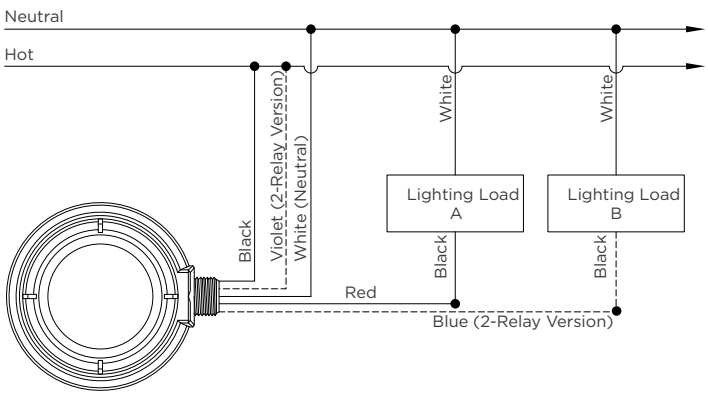




OPTIMYZER High Bay and Low Bay End Mount PIR Sensors, Dual Relay, Single Fixture.



OPTIMYZER High Bay and Low Bay End Mount PIR Sensors, Dual Relay, Two Fixtures.



Dimensions in Inches (mm)

HBL® Heavy Duty Style Line Specification Grade and Hospital Grade Straight Blade Switched Duplex Receptacles



HBL5362LC2W



HBL2172LC2W

Specifications

Receptacle	Part	Description
Typical Specification - Catalog No. **HBL5262LC1**, **HBL2172LC1** Manufacturer's Identification - Hubbell **HBL5262LC1** Receptacle Description - Straight Blade Switched Duplex Receptacle Type - 2 Pole, 3 Wire Grounding Rating - Uncontrolled (Always Hot) 15A, 125V - Controlled (Switched) Tungsten 8.3A, CFL & LED: 3.75A Motor Load: 1/2HP Certification - cULus 498B SA: UL File No. E481574 Fed. Spec. WC596G	Receptacle Top Base Power Contacts Wire Clamp Mounting Strap Line Terminal Screws Ground Screw Center Assembly Staple Automatic Self-Grounding Staple Mounting Screws	15A (Always Hot), 8.3A (Switched) Nylon Nylon 0.031 in. (0.8) Brass 0.062 in. (1.6) Steel-Nickel Finish 0.047 in. (1.2) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive 0.040 in. (1) Steel (Galvanized) Stainless Steel Zinc Plated Steel

Specifications

Receptacle	Part	Description
Typical Specification - Catalog No. **HBL5362LC1**, **HBL2182LC1** Manufacturer's Identification - Hubbell **HBL5362LC1** Receptacle Description - Straight Blade Switched Duplex Receptacle Type - 2 Pole, 3 Wire Grounding Rating - Uncontrolled (Always Hot) 20A, 125V - Controlled (Switched) Tungsten 12.5A, CFL & LED: 5A Motor Load: 1HP Certification - cULus 498B SA: UL File No. E481574 Fed. Spec. WC596G	Receptacle Top Base Power Contacts Wire Clamp Mounting Strap Line Terminal Screws Ground Screw Automatic Self-Grounding Staple Mounting Screws	20A (Always Hot), 12.5A (Switched) Nylon Nylon 0.031 in. (0.8) Brass 0.062 in. (1.6) Steel-Nickel Finish 0.047 in. (1.2) Brass #8-32 Brass, Multiple Drive #8-32 Brass, Multiple Drive Stainless Steel Zinc Plated Steel

Performance

Electrical (Always Hot Receptacle)	
Dielectric Voltage Max. Working Voltage Current Interrupting Temperature Rise	Withstands 2,000V minimum. 125V AC Certified for current interrupting at full current. Max 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at power factor of 75%.
Mechanical	
Terminal Identification Terminal Accomodation Product Identification	Terminals identified in accordance with UL498 and CSA (Brass, White, Green). #14-10 AWG stranded or solid copper conductor only. Ratings are a permanent part of the device.
Environmental	
Flammabilty Operating Temperature	UL94V-2 32°F (0°C) to 104°F (40°C)

Dimensions in Inches (mm)

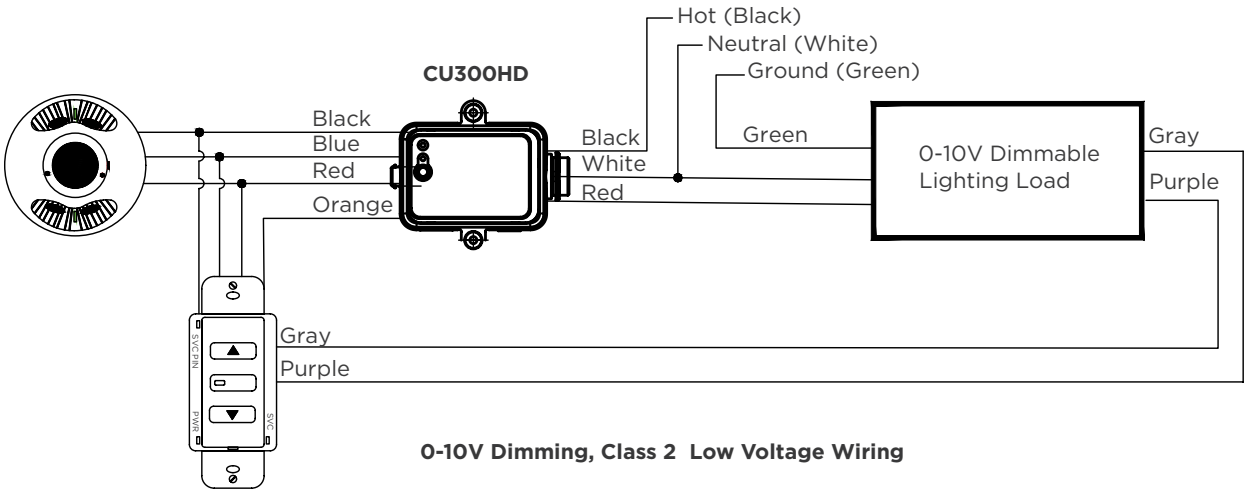
Low Voltage Switches with 0-10V Dimming

Specifications

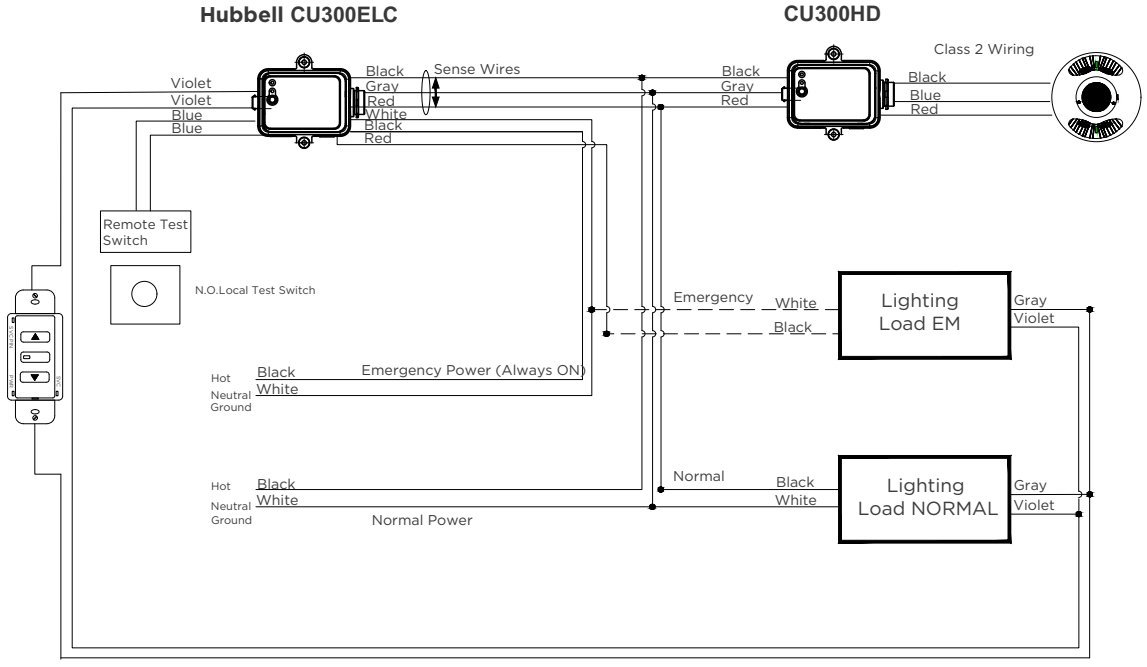
Base Catalogs: DSM30xx, DSL30xx, DSC010xx, DSM010xx, DSL010xx
Compatible with Hubbell Wiring Device-Kellems CU300HD, CU300M control units, AAR20P relay packs.
0-10V Dimming Series compatible with IEC60929 Annex E.2 compliant LED Drivers
Accepts Hubbell Wiring Device-Kellems NPS26 and NP26 series decorator style wall plates (not included)
Two-year warranty

Electrical Ratings

100mA @ 30VDC
0-10V Dimming Series: Current Sinking Capacity: 100mA
Available in Latching, Momentary, and Combination (DSC010series) of both configurations



0-10V Dimming, Class 2 Low Voltage Wiring



Class 2 Wiring 0-10V Dimming

Dimensions in Inches (mm)

Notes

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Products at a Glance

UL508/UL60947 Circuit-Lock® Motor Disconnects







- Non-metallic and stainless steel options
- Available in 30, 60 and 100 Amp versions
- IP69K and Type 4X, 12K water ingress protection
- Permanent labelless markings
- Available with six highly visible LED Indicators
- Certified by NSF for hygiene in food processing applications
- Highly visible red handle which meets OSHA LO/TO capabilities
- Accepts up to 2 auxiliary contacts
- Cover cannot be removed with switch in the “ON” position

Enhanced Features:

- **inSIGHT™** - LED indicators provide visual confirmation of power by phase
- **MotorQuick®** - Plug and play functionality to reduce Total Cost of Ownership
- **VFDs** - Factory installed auxiliary contact for safe disconnecting in VFD applications
- **JOG** - Factory installed Jog switch for point of use communication to PLC/VFD
- **Stainless Steel Sloped Top** - 15° rounded top aids run-off by minimizing horizontal surfaces

UL98 Circuit-Lock Motor Disconnects



200A Circuit-Lock Disconnect Switches

- Non-metallic & stainless steel
- Type 4X, 12
- Accepts up to 2 auxiliary contacts
- OSHA Compliant Lockout/ Tagout handle
- Unable to open the cover when “ON”; cover locked when energized



Circuit-Lock 30 and 60 Amp Fused Disconnect Switches

- Non-metallic enclosure meets UL 50E Type 4X (watertight) 12 (dust-tight) and IP66 suitability requirements
- Removable door for ease of wiring and installation
- Switch accepts Class “J” fuses and up to 2 auxiliary contacts

UL98 and UL508 Disconnect Switches



Hazardous Locations

- Compact NEMA 4X enclosure and footfrint allows easy installation in tight locations
- Top and bottom drilled and tapped conduit entrances
- For use as motor disconnects

UL508 Switches



Disconnect Switches

- Redesigned slim body provides 34% more wiring room to accommodate #10AWG in FD box applications
- Withstands high temperatures
- Provides long-life reliability

30A Disconnects with LED Indicators

Hubbell's new 30A Circuit-Lock Disconnect with integral phase indication LEDs redefines the benchmark for safety by providing insight into the enclosure while in use. Six highly visible LEDs (3 line side/3 load side) communicate the electrical status of the switch by phase. This voltage detection feature significantly improves existing safety and maintenance procedures by visually providing personnel critical information prior to removing the enclosure cover;
e.g. a welded contact or dropped phase.

Installation of inSIGHT™ has never been easier. The improved design only requires termination of a single ground wire. No additional effort is required for the next level of safety.



inSIGHT™

Insight (n): the power or act of seeing into a situation

- Six highly visible integral phase identification LEDs provide secondary means of visual confirmation of make/break on all phases
- High visibility red handle can be locked in the OFF position to comply with OSHA Lockout/Tag out requirements
- Secondary confirmation of opening of load side contacts
- Suitable with 3ph (use symbol) and 3 ph (use symbol) delta configurations



inTOUCH

Self Terminating Diagnostic LEDs

- The backside of the cover includes self terminating diagnostic LEDs; no more wire harness or tabs to terminate; only a single ground wire
- Modernized circuit board is completely conformal coated withstanding moisture





Non-Metallic Sloped Top Circuit-Lock®

Features and Benefits

Switched Disconnect Enclosures

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. Hubbell's Circuit-Lock Unfused Disconnect Switches are UL Listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements.

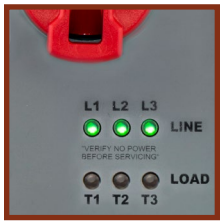


Continued Hubbell Excellence:

- Constructed from corrosion and impact resistant UV stabilized non-metallic material
- IP69K and Type 4X, 12K water ingress protection
- Certified by NSF for hygiene in food processing applications
- Highly visible red handle which meets OSHA Lockout/Tagout capabilities
- Adjustable mounting feet are now 40% stronger to help prevent nuisance breakage
- Product ratings are permanently laser-marked and will not wash off.
- Truly captive screws prevent lost screws

Rounded Sloped Top Enhanced Features:

- Rounded slope top aids run-off by minimizing horizontal surfaces
- Top feed version available
- Installation free inSIGHT™
- Improved conformal coated inSIGHT LED Circuit Board
- Improved gasketing... longer lasting
- Closed loop lockout/tagout
- Flat surface for side feed
- Accepts up to 3 auxiliary contacts
- 4th pole solutions



LED Indicators

- Six highly visible integral phase identification LEDs
- External LEDs provide secondary means of visual confirmation of make/break on all phases



Variable Frequency Drive (VFD)

- Integrates a verified break before break auxiliary contact factory installed in our HBLDS series
- Prevents downtime from out of sequence equipment shutdowns



Jog Switch

- Cost savings by utilizing existing space in the motor disconnect enclosure reducing parts and labor costs
- Convenience by having point of use control circuit to PLC within line of sight of the motor
- Added safety by allowing maintenance personnel the functionality to "Try Out" after Lockout/Tagout



MotorQuick® Version

- Significantly reduces the time it takes to replace motors by combining the plug-and-play technology of the LINKOSITY® power system
- Motor rotation can be pre-checked in a maintenance shop to further speed the installation

Non-Metallic Sloped Switched Disconnect Enclosures

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS30	HBLDS60	HBLDS100
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS30AC	HBLDS60AC	HBLDS100AC
Disconnect switch for use with variable frequency drives.	HBLDS30VFD	HBLDS60VFD	HBLDS100VFD
Disconnect switch without conduit knockout or conduit fitting.	HBLDS30NK	—	—



HBLDS30

Non-Metallic Sloped Switched Disconnects with Jog Switch

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS30J	HBLDS60J	HBLDS100J
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS30ACJ	—	–
Disconnect switch for use with variable frequency drives.	HBLDS30VFDJ	–	–
Disconnect switch with Jog switch and LEDs.	HBLDS30PJ	HBLDS60PJ	HBLDS100PJ

Non-Metallic Sloped Switched Disconnect Switches with LEDs

Description	30 Amp	60 Amp	100 Amp
Non-Metallic disconnect switch with LEDs.	HBLDS30P	HBLDS60P	HBLDS100P
Non-Metallic disconnect switch with HBLAC1 auxiliary contact.	HBLDS30PAC	HBLDS60PAC	HBLDS100PAC



HBLDS30VFD

Top Feed Non-Metallic Sloped Switched Disconnect Enclosures*

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS30T	HBLDS60T	HBLDS100T
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS30TAC	HBLDS60TAC	HBLDS100TAC
Disconnect switch for use with variable frequency drives.	HBLDS30TVFD	HBLDS60TVFD	HBLDS100TVFD
Disconnect switch without conduit knockout or conduit fitting.	HBLDS30TNK	–	–

Top Feed Non-Metallic Sloped Switched Disconnects with Jog Switch*

Description	30 Amp	60 Amp	100 Amp
Disconnect switch.	HBLDS30TJ	HBLDS60TJ	HBLDS100TJ
Disconnect switch with HBLAC1 auxiliary contact.	HBLDS30TACJ	–	–
Disconnect switch for use with variable frequency drives.	HBLDS30TVFDJ	–	–
Disconnect switch with Jog switch and LEDs.	HBLDS30TPJ	HBLDS60TPJ	HBLDS100TPJ

Top Feed Non-Metallic Sloped Switched Disconnect Switches with LEDs*

Description	30 Amp	60 Amp	100 Amp
Non-Metallic disconnect switch with LEDs.	HBLDS30TP	HBLDS60TP	HBLDS100TP
Non-Metallic disconnect switch with HBLAC1 auxiliary contact.	HBLDS30TPAC	HBLDS60TPAC	HBLDS100TPAC


HBLDS3RS

*Note: *Top feed versions include an additional top flat and drill point for top feed applications.*

Auxiliary Contacts for 30, 60 and 100 Amp Switch, NEMA A600 Pilot Duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1*
"Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives.	HBLAC2*
"Break After Main Break", 2 sets of n/o contacts, 2 sets of n/c contacts.	HBLAC11


HBLRFT1

*Note: *Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK.*

Accessories

3/4" NEMA Type 3,3R, 4X and 12 zinc conduit hub (Included with 30A non-metallic enclosures).	HUB75
1-1/4" NEMA Type 3,3R, 4X and 12 zinc conduit hub (Included with 60A and 100A non-metallic enclosures).	HUB125A
3/4" Grounding Plate for side feed applications.	HBLDS34GP*
Additional Pole for up to 30A applications.	HBL4P

*Note: *May require an additional ground block.*


HBLAC1

Dimensions in Inches (mm)

Stainless Steel Circuit-Lock®

Features and Benefits

Unfused Switched Disconnect Enclosures

NEC section 430.102(B) requires each motor controller to have a disconnect within line of sight from the motor and driven equipment. Hubbell's Circuit-Lock Unfused Disconnect Switches are UL Listed as a manual motor controller and also "suitable as a motor disconnect" and meet these code requirements.

- Formed in nonporous 304 stainless steel
- IP69K and Type 4X, 12K water ingress protection
- Certified by NSF for hygiene in food processing applications
- Fixed offset 1/4 inch mounting feet meet NEC airspace requirements for metal enclosures
- Labelless markings on the cover
- Highly visible red handle which meets OSHA Lockout/Tagout capabilities
- Cover cannot be removed with switch in the "ON" position
- Accepts up to 2 auxiliary contacts

More than ever food and beverage processing facilities see the value of investing in intelligent design and following best practices in hygiene.

The sloped top enclosure is consistent with these best practices. Horizontal surfaces have been minimized to assist with getting it clean and keeping it clean.





LED Indicators

- Six highly visible integral phase identification LEDs
- External LEDs provide secondary means of visual confirmation of make/break on all phases
- Suitable with 3ph (use symbol) and 3 ph (use symbol) delta configurations



Housing Design

- Sloped top design sheds water and debris
- Fully shrouded handle prevents damage to the handle
- Captive screws prevent lost screws



Jog Switch

- Cost savings by utilizing existing space in the motor disconnect enclosure reducing parts and labor costs
- Convenience by having point of use control circuit to PLC within line of sight of the motor
- Added safety by allowing maintenance personnel the functionality to "Try Out" after Lockout/Tagout



Labor Savings

- 15° Sloped Top version available pre-drilled with 3/4 inch stainless steel hubs for bottom feed applications
- Ample gutter space for hassle free installation

Stainless Steel Circuit-Lock Unfused Switched Disconnect Enclosures

Description	30 Amp	60 Amp	100 Amp
Square Top disconnect switch.	HBLDS3SS	HBLDS6SS	HBLDS10SS
Square Top disconnect switch with HBLAC1 auxiliary contact.	HBLDS3SSAC	HBLDS6SSAC	HBLDS10SSAC
Square Top disconnect switch for use with variable frequency drives.	HBLDS3SSVFD	HBLDS6SSVFD	HBLDS10SSVFD
Sloped Top disconnect switch.	HBLDS3SSR	HBLDS6SSR	HBLDS10SSR
Sloped Top disconnect switch with HBLAC1 auxiliary contact.	HBLDS3SSRAC	HBLDS6SSRAC	HBLDS10SSRAC
Sloped Top disconnect switch for use with variable frequency drives.	HBLDS3SSRVFD	HBLDS6SSRVFD	HBLDS10SSRVFD
Sloped Top disconnect, pre-drilled 4X with (2) 3/4 inch stainless steel hubs.	HBLDS3SSR2K	–	–
Sloped Top enclosure, blank.	HBLDSSRNK3	HBLDSSRNK6	–



HBLDS3SS

Stainless Steel Disconnects with Jog Switch

Description	30 Amp	60 Amp	100 Amp
Square Top disconnect.	HBLDS3SSJ	HBLDS6SSJ	HBLDS10SSJ
Square Top disconnect with jog switch and LEDs.	–	HBLDS6SSPJ	HBLDS10SSPJ
Sloped Top disconnect.	HBLDS3SSRJ	HBLDS6SSRJ	HBLDS10SSRJ
Sloped Top disconnect with jog switch and LEDs.	HBLDS3SSRPJ	HBLDS6SSRPJ	HBLDS10SSRPJ



HBLDS3SSJ

Unfused Disconnect Switches with LEDs

Description	30 Amp	60 Amp	100 Amp
Stainless Steel square top disconnect switch with LEDs.	HBLDS3SSP	HBLDS6SSP	HBLDS10SSP
Stainless Steel square top disconnect switch with HBLAC1 auxiliary contact.	–	HBLDS6SSPAC	–
Stainless Steel sloped top disconnect switch with LEDs.	HBLDS3SSRP	HBLDS6SSRP	HBLDS10SSRP
Stainless Steel sloped top disconnect switch with HBLAC1 auxiliary contact.	–	HBLDS6SSRPAC	HBLDS10SSRPAC



HBLDS3SSR

Stainless Steel Conduit Hubs

Description	Catalog Number
3/4 inch stainless steel conduit hub.	HUB75SS
1-1/4 inch stainless steel conduit hub.	HUB125SS



HBLDS3SSRPJ

Auxiliary Contacts for 30, 60 and 100 Amp Switch, NEMA A600 Pilot Duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1*
"Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives.	HBLAC2*
"Break After Main Break", 2 sets of n/o contacts, 2 sets of n/c contacts.	HBLAC11

*Note: *Up to two auxiliary contacts per enclosure. Not for use with HBLDS33ACNK.*


HBLDSSRNK3


HUB125SS


HUB75SS


HBLAC1


HBLAC2

Dimensions in Inches (mm)

Circuit-Lock® Replacement Covers and Accessories

Non-Metallic Sloped Replacement Covers

Description		30 Amp	60 Amp	100 Amp
For Non-Metallic Sloped Top Disconnects - HBLDS30, HBLDS60 and HBLDS100 variations (Works with Fully Rounded and Round Top feed versions).	Standard.	HBLDS30RC	HBLDS60RC	HBLDS100RC
	with LEDs.	HBLDS30RCP	HBLDS60RCP	HBLDS100RCP
	with Jog switch.	HBLDS30RCJ	HBLDS60RCJ	HBLDS100RCJ
	with LEDs and Jog.	HBLDS30RCPJ	HBLDS60RCPJ	—



HBLDS30RCP

Stainless Steel Replacement Covers

Description		30 Amp	60 Amp	100 Amp
For square top disconnect switches.	Standard.	HBLDS3SSRC	HBLDS6SSRC	HBLDS10SSRC
	with LEDs.	HBLDS3SSRCP	HBLDS6SSRCP	HBLDS10SSRCP
	with Jog switch.	HBLDS3SSRCJ	HBLDS6SSRCJ	HBLDS10SSRCJ
	with LEDs and Jog.	—	HBLDS6SSRCPJ	HBLDS10SSRCPJ
For sloped top disconnect switches.	Standard.	HBLDS3SSRRC	HBLDS6SSRRC	HBLDS10SSRRC
	with LEDs.	HBLDS3SSRRCP	HBLDS6SSRRCP	HBLDS10SSRRCP
	with Jog switch.	HBLDS3SSRRCJ	HBLDS6SSRRCJ	HBLDS10SSRRCJ
	with LEDs and Jog.	—	HBLDS6SSRRCPJ	HBLDS10SSRRCPJ



HBLDS30RC

Non-Metallic Square Replacement Covers

Description		30 Amp	60 Amp	100 Amp
Legacy gray non-metallic square disconnects.	Standard.	HBLDS3RC	HBLDS6RC	HBLDS10RC



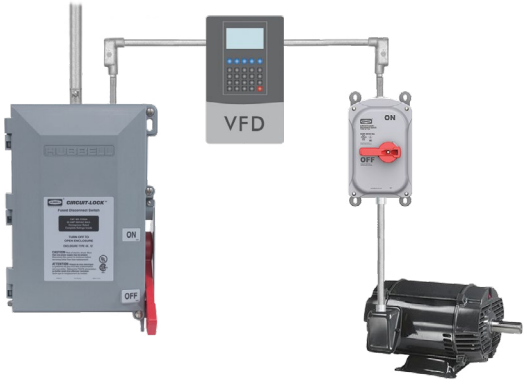
HBLDS3SSRC

Replacement Accessories

	Switch	Mounting Feet	Ground Block	Neutral Block
For 30A switches.	HBLDS3RS	HBLRFT1	HBL30RGB	HBL30RNB
For 60A switches.	HBLDS60100RS	HBLRFT2	HBL60100RGB	HBL60RNB
For 100A switches.	HBLDS60100RS	HBLRFT2	HBL60100RGB	HBL100RNB
For HBLDS33ACNK.	HBLDS33ACRS	HBLRFT1	HBL30RGB	HBL30RNB

Variable Frequency Drive Diagram

When installing a disconnect in series with a VFD it is critical to include the correct auxiliary contact. Through extensive testing, Hubbell has determinted the timing of our early break auxiliary contact HBLAC2 safely disconnects the power by signaling the VFD that the motor disconnect is being turned OFF. The VFD then executes a coast-to-stop preventing any damage to the disconnect switch and the VFD output device.





HBLDS3SSRRC



HBLDS3SSRRCP

Dimensions in Inches (mm)

Dimensions

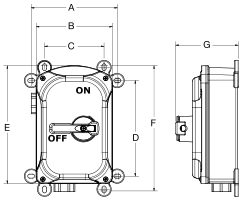
Key	Non-Metallic, Sloped Top				Stainless Steel, Square Top				Stainless Steel, Sloped Top			
	30A		60A/100A		30A		60A/100A		30A		60A/100A	
	inch	(mm)	inch	(mm)	inch	(mm)	inch	(mm)	inch	(mm)	inch	(mm)
A	6	(152)	7.75	(197)	—		—		—		—	
B	5.3	(135)	7.30	(185)	4.87	(124)	7.30	(185)	5.41	(137)	7.66	(195)
C	4.12	(105)	4.75	(121)	3.30	(84)	5.50	(140)	4.50	(114)	6.45	(164)
D	6.62	(168)	8.00	(203)	—		—		—		—	
E	8.17	(208)	10.85	(276)	7.05	(179)	10.30	(262)	8.60	(218)	11.41	(290)
F	8.5	(216)	11.00	(279)	8.38	(213)	11.63	(296)	8.22	(209)	11.17	(284)
G	4.12	(105)	6.05	(154)	5.39	(137)	5.93	(151)	4.92	(125)	6.10	(155)

IP66 SUITABILITY

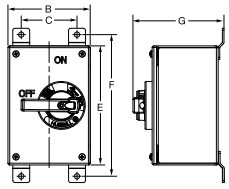
Horsepower Ratings

Voltage	30A	30A*	60A	100A
1Ø 120V AC	1	1	7.5	7.5
1Ø 200–240V AC	3	2.5	15	15
1Ø 480V AC	5	5	30	30
3Ø 200–240V AC	7.5	5	30	30
3Ø 480V AC	15	10	50	50
3Ø 600V AC	15	10	50	50

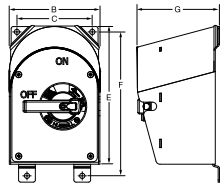
*Note: *HBLDS33ACNK.*



Non-Metallic Sloped Top



Stainless Steel, Square Top



Stainless Steel, Sloped Top

Circuit-Lock Unfused Disconnect Switches

Specifications

Moisture Resistance	Indoor and Outdoor – Type 4X (Wash down, Corrosion resistant) IP69K; Indoor – 30, 60A and 100A Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).
Flammability	UL94-5VA and V0 Classification.
Operating Temperature	Maximum Continuous 75°C; Minimum Continuous -40°C without impact.
UV Resistance	All materials are UV stabilized.
Dielectric Voltage	Withstands 3000V AC minimum.
Max. Working Voltage	600V AC RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Current Ratings (SCCR): (Motor Disconnect)	• 30/60/100A: Suitable for use on a circuit capable of delivering not more than 10kA RMS symmetrical, 600V AC max. • 30A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 30A max. • 60/100A: Suitable for use on a circuit capable of delivering not more than 65kA RMS symmetrical, 600V AC max. when protected by Class J fuses rated 100A max.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label.
Mounting	Non-Metallic - External fully adjustable feet. Stainless Steel - Feet are fixed.
Impact Resistance	In accordance with UL 746C.

Dimensions in Inches (mm)

Plug and Play Technology

MotorQuick significantly reduces the time it takes to replace motors by combining the plug-and-play technology of the LINKOSITY® power system with the versatility of Circuit-Lock® motor disconnect switches. Quick disconnect terminations will reduce motor change-out time by aproximately 65%. Keeping spare motors already pre-wired with a LINKOSITY inlet enables wiring to be done off-line when it is convenient, not critical. Motor rotation can be pre-checked in a maintenance shop to further speed the installation. The net result is that equipment is up and running in a fraction of the time, helping improve the bottom line.







MotorQuick Cost of Ownership Analysis

Traditional Motor Changeout

Catalog Number	Total Material Cost	Labor Cost/ Hr	Downtime	Total Labor Cost	Downtime Cost/hr	Total Downtime Cost	Total Cost
HBLDS3	$185.00	$53.00	1 hour	$53.00	$750.00	$750.00	$988.00

MotorQuick Motor Changeout

Catalog Number	Total Material Cost	Labor Cost/ Hr	Downtime	Total Labor Cost	Downtime Cost/hr	Total Downtime Cost	Total Cost	Total Savings
HBLDS30MQ	$411.00	$53.00	20 minutes	$17.67	$750.00	$250.00	$678.67	$309.33

*Note: *MotorQuick catalog numbers are based on the average cost of the various designs.*

Dimensions in Inches (mm)

c UL us LISTED

Housing Design

MotorQuick switches significantly reduce the time it takes to replace motors by combining the plug-and-play technology of the LINKOSITY® power system with the versatility of Circuit-Lock® motor disconnect switches.

- NEMA 1 and Type 4X versions
- Plug and play design allows for faster installations
- Reduces motor change-out time by more than 65%, providing productivity and bottom-line savings
- Crush and impact resistant MC cables
- Features high visibility lockable handles to meet OSHA Lockout/Tagout regulations



HBLDS30MQ5

MotorQuick Disconnect Switches

Type 4X Non-Metallic Labelless Enclosure 30A 3 Pole 600V AC	Sloped Top	Square Top
HBLDS30 with one pre-wired LINKOSITY® female receptacle (load side).	HBLDS30MQR	—
HBLDS30 with 5 foot pre-wired LINKOSITY female cable (load side).	HBLDS30MQ5	—
HBLDS30 with one pre-wired LINKOSITY male receptacle (line side) and one pre-wired LINKOSITY female receptacle (load side).	HBLDS30MQR2	—
Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC	**Sloped Top**	**Square Top**
HBLDS3SS with one pre-wired LINKOSITY female receptacle (load side).	HBLDS3SSRMQR	HBLDS3SSMQR
HBLDS3SS with 5 foot pre-wired LINKOSITY female cable (load side).	HBLDS3SSRMQ5	HBLDS3SSMQ5
HBLDS3SS with one pre-wired LINKOSITY male receptacle (line side) and one pre-wired LINKOSITY female receptacle (load side).	HBLDS3SSRMQR2	HBLDS3SSMQR2



HBLDS30MQR

Accessories

Description	Catalog Number
3P 4W LINKOSITY male receptacle for installation on motor.	RM3004PA001
3P 4W LINKOSITY female receptacle for installation in switch.	RF3004PA001
3P 4W LINKOSITY double ended (male/female) 5-50 foot cable.	PH3004PAxxx*
3P 4W LINKOSITY single ended (female) 5-50 foot cable.	PF3004PAxxx*
Cord connector, 3/4 in. NPT .63–.75 in. (16.0–19.1) diameter.	SHC1037CR
Lock-on cover for LINKOSITY connections.	PH2030C

*Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the xxx with the required length in feet (Examples: PH3004PA005 = 5 foot cable, PH3004PA050 = 50 foot cable).*



HBLDS3SSRMQR



HBLDS3SSMQR



PH2030C

Sample Set Up

(1) **HBLDS30MQR** + (1) **PH3004PAxxx** + (1) **RM3004PA001** = **Total Set Up****



*Note: **Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.*

Dimensions in Inches (mm)

Hubbell-PRO 30, 60 and 100A Motor Disconnects

Features and Benefits

Hubbell-PRO motor disconnects are value engineered for commercial and light duty applications. They are available in 30A and 60A versions with optional early break auxiliary contacts for use with VFDs and other auxiliary equipment.



Key Features:

- UL 508 / UL 60947-4-1
- HP Rated
- IP67
- Accepts up to 2 auxiliary contacts
- OSHA Compliant lockout/tagout handle
- Compact, installation friendly enclosure

Ordering Information

Catalog Number	Amps	Ingress Protection	NO&NCAux Contacts	NO Aux Contacts**	Ground	Neutral*	Conduit Hub*
HPD30	30A	IP67	HBLAC1	**HBLAC2**	**HBL30RGB**	**HBL30RNB***	**HUB75***
HPD60	60A	IP67	HBLAC1	**HBLAC2**	**HBL60RNB**	**HBL30RNB***	**HUB125A***
HPD100	100A	IP67	HBLAC1	**HBLAC2**	**HBL100RNB**	**HBL30RNB***	**HUB125A***

*Note: *Not included with enclosure.*
***Break before main break and not included with enclosure.*

30 Amp Accessories

Amperage	Replacement Feet	Replacement Cover
30A	**HPDRF1**	**HPDS30RC**
60A	**HPDRF2**	**HPD60RC**
100A	**HPDRF2**	**HPD100RC**

Dimensions in Inches (mm)

Features and Benefits

Hubbell's 200A Disconnect Switches are the latest addition to the Circuit-Lock family of switched enclosures. The enclosures are designed to withstand harsh environments with exposure to water, chemicals, oils and frequent washdowns. Available in non-metallic or stainless steel, the enclosures are UL Listed Type 4X and 12.

Enhanced Features:

- UL 98 Rated switch
- Non-metallic and stainless steel
- Type 4X, 12
- Accepts up to 2 Auxiliary contacts
- Highly visible red rotary handle
- OSHA compliant lockout/ tagout handle
- Unable to open the cover when ON; cover locked when energized
- 200kA SCCR Rating when protected by a Class "J" fuse

Designed to Withstand Harsh Environments



HBLDS20 HBLDS20SS

Circuit-Lock 200A Disconnect Switches

Description	Catalog Number
200A non-metallic disconnect.	HBLDS20
200A stainless steel disconnect.	HBLDS20SS
N/O auxiliary contact - "Break Before Main".	HBLAC200
200A replacement switch.	HBLDS20RS
200A replacement handle.	HBL200HDL

Materials - 200A Disconnect Switches

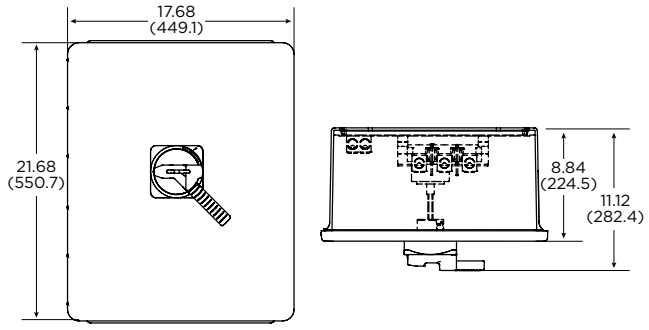
Description	Non-Metallic		Stainless Steel	
	Material	Finish	Material	Finish
Enclosure	FR Polyester	—	14 Ga. 304 SST	Smooth Grain
Handle	Plastic	Red/Yellow	Plastic	Red/Yellow
Switch	Plastic	—	Plastic	—
Backplate	12 Ga. Aluminum	None	14 Ga. 304 SST	304 Ann 2B
Terminals	Aluminum	Tin Plated	Aluminum	Tin Plated
Fasteners	Steel	Zinc Plated	Steel	Zinc Plated
Mounting Feet	—	—	304 SST	—

HP Ratings

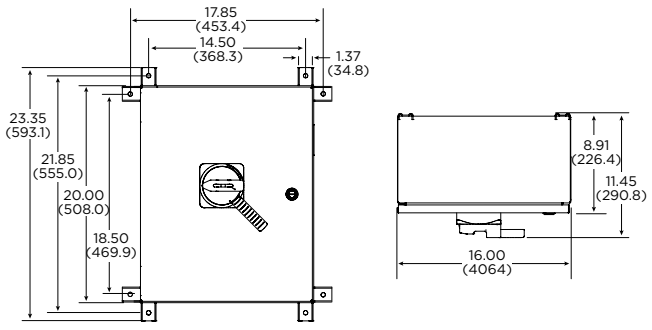
Voltage	Std HP	Max HP*
120 VAC 1Ø	1.5	10
208-240 VAC 1Ø	3.0	10
240 VAC 3Ø	7.5	75
480 VAC 3Ø	15.0	150
600 VAC 3Ø	15.0	200
120/ 208 VAC 3ØY	7.5	15
277/480 VAC 3ØY	15.0	30
347/ 600 VAC 3ØY	15.0	40

*Note: *When used with time delay fuses.*

Dimensions



Non-Metallic



Stainless Steel

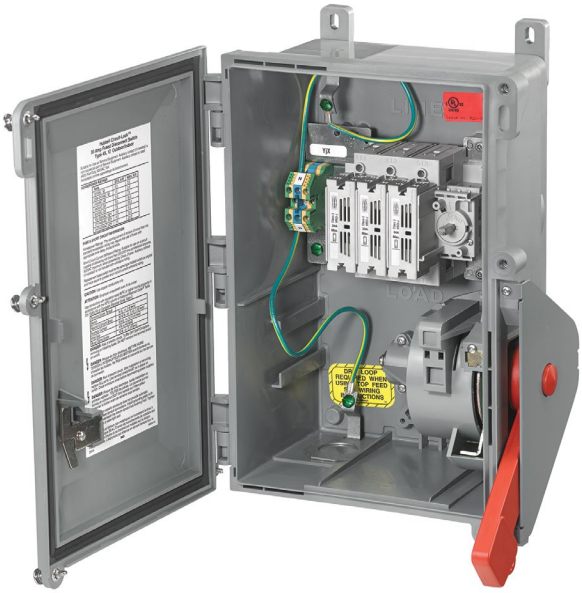
Dimensions in Inches (mm)

Circuit-Lock® Fused Disconnects

Features and Benefits

30 and 60 Ampere Fused Disconnect Switches

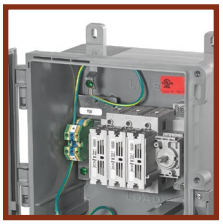
The Circuit-Lock Fused Disconnect Switch provides fused switched control of a directly wired load. The switch cannot be turned ON unless the enclosure cover is closed. The fuses cannot be accessed until the switch is turned OFF. The fuse holder accepts Class "J" fuses. This enclosure is non-metallic and is listed for Outdoor/Indoor (Type 4X Wash down, Corrosion resistant). The handle can be locked in the OFF position to comply with OSHA Lockout/Tagout regulations.





Housing Design

- Non-metallic enclosure meets UL 50E Type 4X (watertight) 12 (dust-tight) and IP66 suitability requirements
- Enclosure is molded of rugged PBT to resist abuse, corrosion and enhance safety
- Stainless steel 1/4 inch turn door fasteners for quick, easy access to fuses.



Internal Design

- Fused disconnect switches accept Class "J" fuses
- Internal frame automatically bonds all grounds
- Captured neoprene gasket provides a watertight seal between cover and base



Safety

- Enclosure door can be locked to prevent unauthorized access; additionally, if the switch is ON, the door cannot be opened
- Lockable highly visible red handle to meet OSHA lockout/tagout
- Safety interlocked fuse access door



Interior

- Removable door for ease of wiring and installation
- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure. Conduit hub provided: 30A 1 in. NPT, 60A 1-1/4 in. NPT



Installation

- Conduit hub and adjustable mounting feet are supplied with each Circuit-Lock fused disconnect switch
- Adjustable mounting feet (4) can be mounted in any of three positions for ease of installation



Switch

- Compact Fused Disconnect Switch accepts Class "J" fuses. Fuse holders are top mounted for easy access. The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers.

UL TYPE 4, 4X and 12 Enclosure Rating

30 and 60 Amp Fused Disconnect Switches

Description	Catalog Number
30A Circuit-Lock fused disconnect switch.	FDS30*
60A Circuit-Lock fused disconnect switch.	FDS60*

*Note: *Class "J" fuses not included.*



FDS30

Gray Style Switch

Auxiliary Contacts

Description	Gray Style Switch Catalog Number
Auxiliary contact, normally open, A600 pilot duty, break before break.	HBLACFSNO
Auxiliary contact, normally closed, A600 pilot duty, break before break.	HBLACFSNC

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble.



HBLACFSNO

Replacement Switches

Description	Gray Style Switch Catalog Number
For 30A fused switches.	HBL30MIFRS
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	HBL60MIFRS



HBL30MIFRS

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK30
For 60 and 100A Circuit-Lock unfused and fused Pin and Sleeve mechanical interlocks.	MICPK60



MICPK30

Replacement Mounting Feet

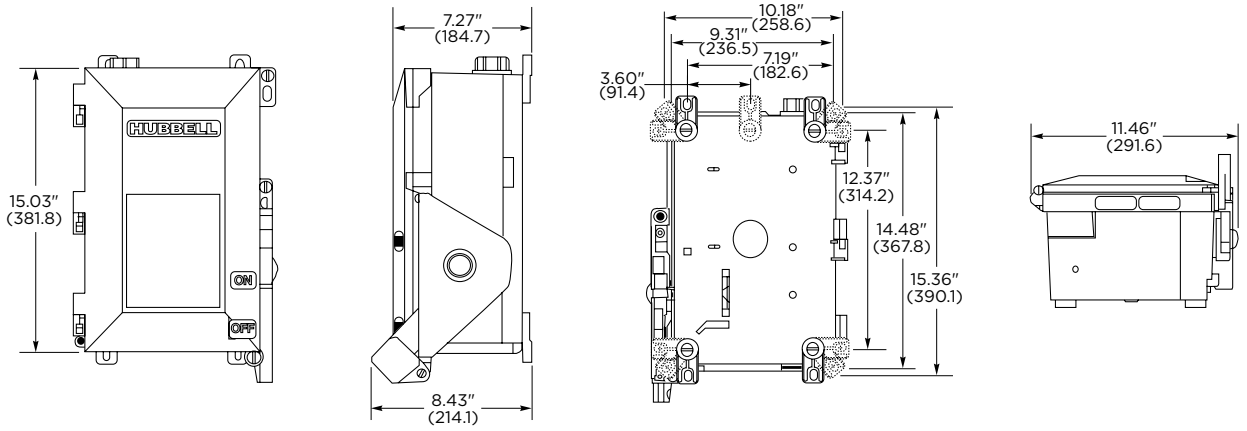
Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	HBLRFT2△

Note: 30A Units supplied with two 1 in. NPT raintight conduit fittings.
60A Units supplied with two 1-1/4 in. NPT raintight conduit fittings.
△ Package of 10 feet and 10 screws.



HBLRFT2

Dimensions



Dimensions in Inches (mm)

Fused Disconnects Specifications

Horsepower Ratings

Ratings	Volts	Standard HP	Maximum HP*	Catalog Number
30A	120V AC	0.5	2	FDS30
600V AC	208-240V AC	1.5	3	
Max.	3Ø 240V AC	3	7.5	
	3Ø 480V AC	5	15	
	3Ø 600V AC	7.5	20	
	3Ø Y 120/208V AC	3	5	
	3Ø Y 277/480V AC	5	15	
	3Ø Y 347/600V AC	7.5	20	
60A	120V AC	1.5	3	FDS60
600V AC	208-240V AC	3	7.5	
Max.	3Ø 240V AC	7.5	15	
	3Ø 480V AC	15	30	
	3Ø 600V AC	15	50	
	3Ø Y 120/208V AC	7.5	15	
	3Ø Y 277/480V AC	15	30	
	3Ø Y 347/600V AC	15	40	

*Note: *Requires time delay fuses.*

Fuse and Short Circuit Information

Horsepower Ratings	The starting current of motors of more than the standard horsepower rating may require the use of fuses with appropriate time-delay characteristics.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle when protected by Class "J" fuses.

Note: Replacement fused switch must be the same type Hubbell switch as original and have equal or greater short circuit current withstand rating.

Circuit-Lock® Fused Disconnect Switch

Specifications	
Moisture Resistance	Indoor and Outdoor – Type 4X (Wash down, Corrosion resistant); Indoor – Type 12 (Dust-tight, Falling Dirt, Noncorrosive Liquids).
Flammability	UL94-5VA and V0 Classification.
Operating Temperature	Maximum Continuous 75°C; Minimum Continuous -40°C without impact.
UV Resistance	All materials are UV stabilized.
Dielectric Voltage	Withstands 3000V AC minimum.
Max. Working Voltage	600V AC RMS.
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of external label.
Mounting	External fully adjustable feet.
Fuse Types	UL Listed, Class "J"; CSA Certified, HRCI-J.

Materials

Part	Material
Base	PBT
Door	PBT
Handle	PBT
Conduit Hub	Zinc, 30A Fused – 1 in., 60A Fused – 1-1/4 in.
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene
Frame	Galvanized Steel
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series

Dimensions in Inches (mm)

Circuit-Lock® Switched Enclosures

Amp	Description	Phase	Poles	HP				Catalog Number
				120	240	480	600	
30	NEMA 1 Aluminum	1	2	2	5	10	15	HBL1372
	NEMA 1 Aluminum	3	3	3	7.5	15	20	HBL1379
	NEMA 1 Non-Metallic	1	2	2	5	10	15	HBL1392
	NEMA 1 Non-Metallic	3	3	3	7.5	15	20	HBL1389
	NEMA 3/3R Non-Metallic	1	2	2	5	10	15	HBL13R22
	NEMA 3/3R Non-Metallic	3	3	3	7.5	15	20	HBL13R23
	NEMA 3R Aluminum	1	2	2	5	10	15	HBL13R92
	NEMA 3R Aluminum	3	3	3	7.5	15	20	HBL13R89
	IP69K UL TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS30
	IP69K UL TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS30AC
	IP69K UL TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS30NK
	IP69K UL TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS30ACNK
	IP69K UL TYPE 4X Labelless Non-Metallic	3	3	1	5	10	10	HBLDS303ACNK
	UL TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS30MQR
	UL TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS30MQ5
	UL TYPE 4X Labelless Non-Metallic	3	3	1	7.5	15	15	HBLDS30MQR2
	IP69K UL TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SS
	IP69K UL TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SSAC
	IP69K UL TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SSVFD
	UL TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SSMQR
	UL TYPE 4X Stainless Steel	3	3	1	7.5	15	15	HBLDS3SSMQ5
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSR
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSR2K
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSRVFD
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSRAC
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSrMQR
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSrMQ5
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	1	7.5	15	15	HBLDS3SSrMQR2
	UL TYPE 4X Non-Metallic Fused Disconnect	3	3	1	7.5	15	20	FDS30
60	NEMA 3R Aluminum	1	2	—	10	15	20	HBL16R92D
	NEMA 3R Aluminum	3	3	—	10	25	30	HBL16R93D
	IP69K UL TYPE 4X Non-Metallic	3	3	7.5	30	50	50	HBLDS60
	IP69K UL TYPE 4X Non-Metallic	3	3	7.5	30	50	50	HBLDS60AC
	IP69K UL TYPE 4X Stainless Steel	3	3	7.5	30	50	50	HBLDS6SS
	IP69K UL TYPE 4X Stainless Steel	3	3	7.5	30	50	50	HBLDS6SSAC
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	7.5	30	50	50	HBLDS6SSR
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	7.5	30	50	50	HBLDS6SSRVFD
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	7.5	30	50	50	HBLDS6SSRAC
	UL TYPE 4X Non-Metallic Fused Disconnect	3	3	3	15	30	40	FDS60
100	IP69K UL TYPE 4X Non-Metallic	3	3	7.5	30	50	50	HBLDS100
	IP69K UL TYPE 4X Non-Metallic	3	3	7.5	30	50	50	HBLDS100AC
	IP69K UL TYPE 4X Stainless Steel	3	3	7.5	30	50	50	HBLDS10SS
	IP69K UL TYPE 4X Stainless Steel	3	3	7.5	30	50	50	HBLDS10SSAC
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	7.5	30	50	50	HBLDS10SSR
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	7.5	30	50	50	HBLDS10SSRVFD
	IP69K UL TYPE 4X, 12 and IP69K Sloped, SS	3	3	7.5	30	50	50	HBLDS10SSRAC
200	UL TYPE 4X, 12 Non-Metallic	—	—	10	75	150	200	HBLDS20
	UL TYPE 4X, 12 Stainless Steel	—	—	10	75	150	200	HBLDS20SS

Note: HP ratings apply to Jog and LED versions.


HBL1379


HBL13R89


HBLDS3


FDS30


HBLDS3P


HBLDS3J


HBLDS3MQR


HBLDS3MQ5


HBLDS3SS


HBLDS3SSR


HBLDS20


HBLDS20SS

Dimensions in Inches (mm)

Hazardous Location Non-Fused Disconnect Switches

Features and Benefits

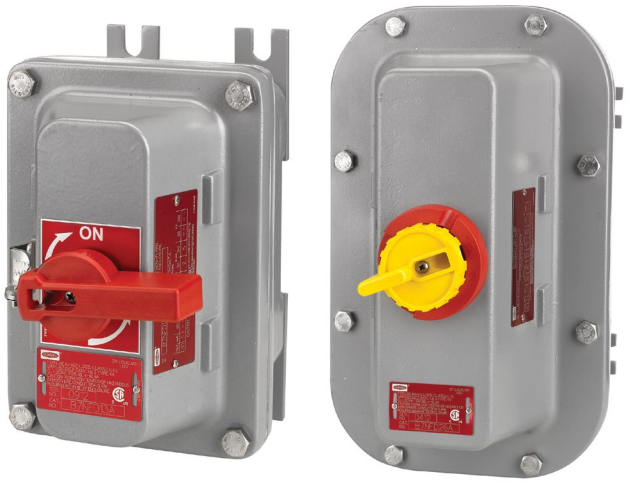
Hubbell's hazardous location line of non-fused disconnect switches are typically used for applications with the presence of flammable gasses or vapors, ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash downs, heavy rain, or water spray routinely occurs. These switches are compact in size to reduce cost and make it easier to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The highly visible handles can be locked out to comply with OSHA Lockout/Tagout regulations.

Class I, Div. 1 & 2, Groups B,C,D

Class I, Zones 1 & 2, Groups IIB+ H2, IIA

Class II, Div. 1 & 2, Groups E,F,G

Class III, NEMA 3, 4, 4X, 7(B,C,D), 9(E,F,G)



Applications

- Grain manufacturing and storage
- Industrial chemical and gas manufacturing
- Petroleum refining
- Fertilizer manufacturing
- Vehicle repair/paint shops
- Coal mining
- Cotton and fabric mills



Housing Design

- Copper-free aluminum construction with electrostatically applied polyester/epoxy finish to prevent corrosion
- Compact NEMA 4X enclosure and footprint allows easy installation in tight locations
- Top and bottom drilled and tapped conduit entrances



Internal Design

- Gasketed flange with O-ring located inside bolt circle to seal out moisture
- Bodies have top and bottom drilled and tapped conduit entrances for power connection



Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- For use as motor disconnects



Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- Large visible rotary handle with "ON-OFF" indicator allows a quick means of disconnecting power
- For use as motor disconnects



Installation

- Fewer cover bolts reduces installation and maintenance time
- Removable ductile mounting lugs adjust to irregular mounting surfaces
- 316 stainless steel bolts



Switch

- Disconnects contain UL98 certified switch
- MI include UL508/UL60947 disconnect switch
- Optional to add one (1) N/O "Break Before Main Break" auxiliary contact

Standard Materials/Finish

- Enclosures: Copper-free aluminum (less than 4/10 of 1% copper content)
- Cover Bolts: 316 stainless steel
- Finish: grey powder polyester painted exterior, electrostatically applied
- Ratings: 600V AC, 230V DC 30–100 Amp
- Optional to include up to one (1) N/O "Break Before Main Break" auxiliary contact


HBLB7NFD13A


HBLB7NFD26A

Unfused Hazardous Location Disconnect Switches

Description	30 Amp	60 Amp	Gray Style Switch Catalog Number
3 Pole disconnect switch.	HBLB7NFD13A	HBLB7NFD26A	HBLB7NFD21A
3 Pole disconnect switch with auxuliary contact.	HBLB7NFD13AA	HBLB7NFD26AA	HBLB7NFD21AA
"Break Before Main Break", 1 set of n/o contacts for use with variable frequency drives.			HBLB7AC2

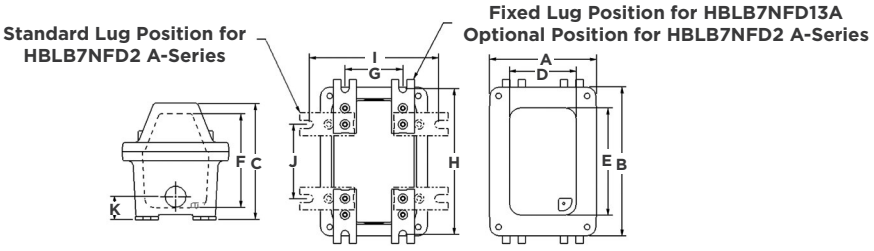
Note: 30A bodies have 1 inch top and bottom drilled and tapped conduit entrances. 60A and 100A bodies have 1-1/2 inch top and bottom drilled and tapped conduit entrances.

Disconnect Horsepower Ratings

Switch Amps/ Phase	Single Phase HP			Three Phase HP		DC HP		Terminal Wire Size	Conduit Sizes	Catalog Number
	120V AC	230V AC	208V AC	230V AC	480V AC	600V AC	230V DC			
30A / 3P	2	5	10	10	20	30	1	#14-10	1 NPT	HBLB7NFD13A
60A / 3P	3	7.5	20	20	40	40	10	#14-4	1-1/2 NPT	HBLB7NFD26A
100A / 3P	5	15	25	30	50	50	20	#8-1	1-1/2 NPT	HBLB7NFD21A

Dimensions

Switch Amps/Phase	Outside Box			Inside Box			Mounting Dimensions				
	A	B	C	D	E	F	G	H	I	J	K
30 Amp	5-3/4	8-1/16	6-5/16	3-5/8	5	5	3	8	—	—	1
60 & 100 Amp	8	13	7	4	9	6	2	11	6	7	1



Non-Fused UL1686 Hazardous Location Mechanical Interlocks and Plugs

Amp	Circuit	Mechanical Interlock	Metallic Plug	Insulgrip Plug
30 Amp 600V AC	2W 3P	HBLVSQ3023	HBLVP3385	HBL330PS2W
	3W 4P	HBLVSQ3034	HBLVP3485	HBL430PS2W
60 AMP 600V AC	2W 3P	HBLVSQ6023	HBLVP6385	HBL360PS2W
	3W 4P	HBLVSQ6034	HBLVP6485	HBL460PS2W

Note: Early break contact comes standard with mechanical interlocks.
HBLVSQ 30 Amp models come standard with 1 inch drilled and tapped conduit openings top and bottom plus two 1 inch x 3/4 inch reducers and one 3/4 inch close-up plug for maximum flexibility. 60 amp models come with one 1-1/2 inch opening on top and bottom and one 1-1/2 inch close-up plug. See page G-44 for Dimensions on Mechanical Interlocks and Plugs.

Horsepower Ratings (VAC)*

Amp	Circuit	120	240	480	600	Catalog Number
30 Amp	1Ø	2	5	10	15	HBLVSQ3023
	3Ø	3	7.5	15	20	HBLVSQ3034
60 Amp	1Ø	—	10	15	20	HBLVSQ6023
	3Ø	—	10	25	30	HBLVSQ6034

*Note: *Internal switch only.*


HBLVSQ3034


HBLVP3485


HBL430PS2W

Dimensions in Inches (mm)

30A AC Manual Toggle Controllers/Disconnects

Features and Benefits

The most complete offering of Circuit-Lock® controllers rated "Suitable as Motor Disconnect" with top horsepower and high amperage ratings in compact device.





Ample wiring room for installation with # 10AWG In a Standard FD Box



Housing Design

- Withstands high temperatures
- Excellent dimensional stability
- Superior dielectric strength



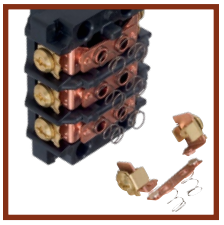
Internal Design

- Strong ON/OFF action with quick-make, slow break operation
- Provides long-life reliability
- 10,000 Amp high fault short circuit withstand rating



Installation Efficiencies

- Slim body is 34% smaller than legacy design
- Easily fits in to FD box with #10AWG



Contacts

- Four large silver alloy contacts per pole has excellent conductivity with maximum longevity
- 100% Copper contact arm has high heat management and reliability



Installation

- #10 Brass terminal screw with clamping plate for secure back or side wiring (30A only)
- Front and back wiring steel screws and copper terminals



Switch

- Lubrication-free controller with continued ON/OFF cycling even in harsh, dust and high heat environments

600V AC Manual Toggle Controllers/Disconnects

For use in almost any industrial environment. Ideal component switch for motor control and as a disconnect. Toggle controllers can be built into equipment and enclosures for either box or panel-mount installation.

Amp	Poles	Toggle Type	Wire	HP Rating 120V AC 1Ø	HP Rating 240V AC 3Ø	HP Rating 480V AC 3Ø	HP Rating 600V AC 3Ø	Catalog Number
30	2	Standard	Back/Side	2	5	10	15	**HBL7832**
	2	Short	Back/Side	2	5	10	15	**HBL7832S**
	3	Standard	Back/Side	3	7.5	15	20	**HBL7810**
	3	Short	Back/Side	3	7.5	15	20	**HBL7810S**
40	2	Standard	Side	2	5	10	15	**HBL7842D**
	3	Standard	Side	3	7.5	15	20	**HBL7843D**
50	2	Standard	Side	2	5	10	15	**HBL7852D**
	3	Standard	Side	3	7.5	15	25	**HBL7853D**
60	2	Standard	Back	—	10	15	20	**HBL7862D**
	3	Standard	Back	—	10	25	30	**HBL7863D**
	2	Standard	Front	—	10	15	20	**HBL7862FWD**
	3	Standard	Front	—	10	25	30	**HBL7863FWD**



HBL7810



HBL7843



HBL7853D



HBL7863D

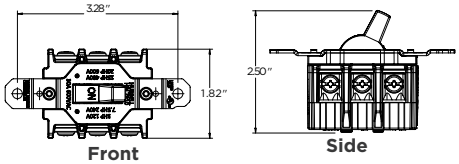
Specifications

Electrical Performance		
Dielectric Voltage	Min. 2,200V AC minimum for 1 minute	
Electrical Life	Min. 6,000 Cycles at rated switch load	
Max. Working Voltage	600V AC RMS	
	Switches	10,000 RMS
Short Circuit Withstand Rating as Motor Disconnect	30A & 40A	60A max. when protected by J fuses
	50A	50A max. when protected by J fuses
	60A & 85A	80A max. when protected by J fuses
Short Circuit Withstand Rating as Motor Controller	30A	60A max when protected by RK5 fuses
	40A – 85A	125A max. RK5 fuses
Mechanical		
Mechanical Life	Min. 10,000 minimum cycles	
	Switch Rating	AWG Max.
Terminal Accommodations	30A	#10
	40A & 50A	#8*
	60A & 85A	#4
Wire Type	Solid and stranded copper wire only.	
Terminal Torque Switch Rating	30A – 50A	20 inch pounds
	60A – 85A	25 inch pounds
Environmental		
Flammability	UL94HB/VO	
Operating Temp.	Max. 75°C	
	Min. -40°C continuous without impact	
Listings		
	Industrial Control File	
UL 508	#E70402	
CSA-C22.2 No.14	LR-46186	

*Note: *Use listed certified ring terminal.*

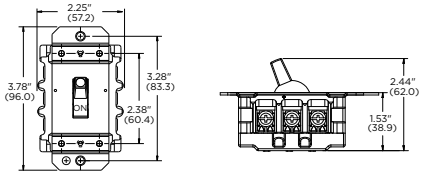
Dimensions

30 Amp Standard Toggles



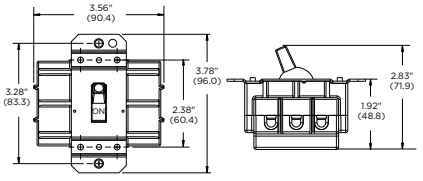
Front **Side**

40 and 50 Amp Standard Toggles



Front **Side**

60 Amp Standard Toggles



Front **Side**

Dimensions in Inches (mm)

NEMA 1 Disconnect Switches



Housing Design

- Thermoplastic cover on a plated steel base
- Durable, non-conductive cover
- Wiring conduit knockouts
- 1/2" and 3/4" NPT
- Top, bottom or back wire entry points
- Surface mount control
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout



Housing Design

- All aluminum cover and base
- Base is pre-drilled for rear surface mounting
- Wiring conduit knockouts
- 1/2" and 3/4" NPT
- Top, bottom or back wire entry points
- Surface mount control
- Switch can be locked in the OFF position as a method of compliance with OSHA lockout/tagout

Circuit-Lock® NEMA 1 Enclosures with Switch

Ideal for use in industrial environments, i.e. conveyer systems, industrial fans, etc.

Amp	Poles	Enclosure Material	HP Rating				Catalog Number
			120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	
30	2	Thermoplastic	2	5	10	15	**HBL1392**
30	3	Thermoplastic	3	7.5	15	20	**HBL1389**
30	2	Aluminum	2	5	10	15	**HBL1372**
30	3	Aluminum	—	7.5	15	20	**HBL1379**

Note: See page G-21 for technical information.



HBL1389D



HBL1379D

Circuit-Lock NEMA 1 Enclosures without Switch

For use with switches shown on page G-21.

Description	Cover Material	Base Material	No. Equipment Grounds	Catalog Number
For use with 30A switch.	Thermoplastic	Steel	1	**HBL1390**
For use with 30A switch.	Aluminum	Aluminum	2	**HBL1370**



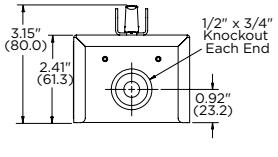
HBL1390



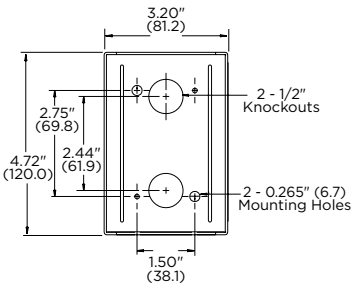
HBL1370

Dimensions

HBL1370, HBL1372 and HBL1379

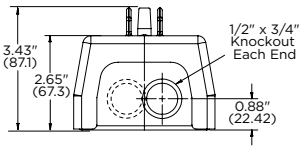


Bottom



Back

HBL1390, HBL1389 and HBL1392



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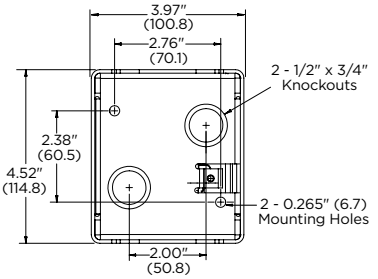


Back

Dimensions in Inches (mm)

Circuit-Lock® NEMA 3 and 3R Enclosures with Switch

Ideal for use on outdoor equipment.

Amp	Poles	Enclosure Material	Water Ingress	HP Rating				Catalog Number
				120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	
30	2	Thermoplastic	3	2	5	10	15	**HBL13R22**
30	3	Thermoplastic	3	3	7.5	15	20	**HBL13R23**

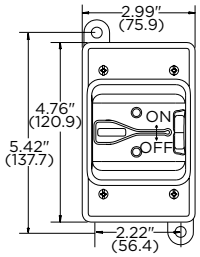
Note: See page G-21 for technical information.
Drill weephole to alter from NEMA 3 to NEMA 3R.



HBL13R23

Dimensions

HBL13R22 and HBL13R23



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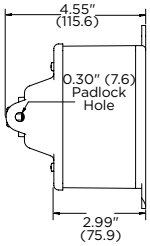


Side

Circuit-Lock NEMA 3R Enclosures with Switch

Ideal for use in outdoor environments.

Amp	Poles	Enclosure Material	HP Rating				Catalog Number
			120V AC 1Ø	240V AC 3Ø	480V AC 3Ø	600V AC 3Ø	
30	2	Aluminum	2	5	10	15	**HBL13R92**
30	3	Aluminum	3	7.5	15	20	**HBL13R89**
60	2	Aluminum	—	10	15	20	**HBL16R92D**
60	3	Aluminum	—	10	25	30	**HBL16R93D**

Note: For switch specifications refer to page G-21.



HBL13R89



HBL16R93D

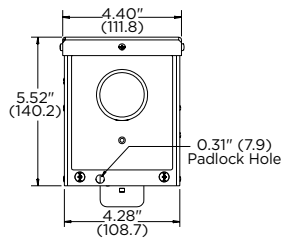
Circuit-Lock NEMA 3R Enclosures without Switch

For use with switches shown on page G-21.

Description	Enclosure Material	Catalog Number
For use with 30A switch.	Aluminum	**HBL13R90**
For use with 60A switch.	Aluminum	**HBL16R90**

Dimensions

HBL13R90, HBL13R89 and HBL13R92



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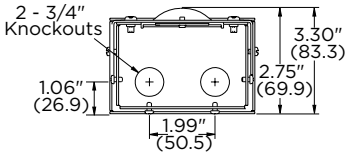
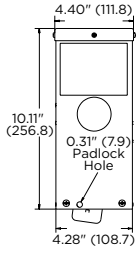


Bottom

HBL16R90, HBL16R92D and HBL16R93D



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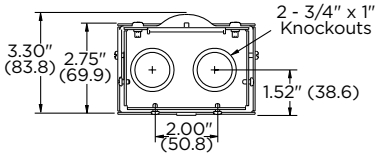


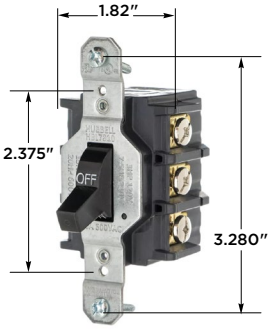
Bottom

Dimensions in Inches (mm)

30A 600V AC Manual Motor Controllers, Double Pole

Description	Catalog Number
30A, double pole, single throw, AC manual motor controller, black nylon handle, side and back wired.	HBL7832
30A, double pole, single throw, AC manual motor controller, black nylon handle, short toggle.	HBL7832S
HBL7832D in HBL1390 Type 1 enclosure with non-metallic cover, 1/2 in. and 3/4 in. knockouts on top, bottom and back of steel frame.	HBL1392
HBL7832D in HBL1370 metal Type 1 enclosure.	HBL1372
HBL7832D in NEMA 3R non-metallic enclosure.	HBL13R22
HBL7832D in HBL13R90 metal Type 3R enclosure.	HBL13R92

Note: See page G-21 for technical information.

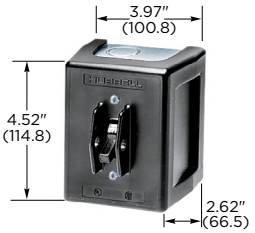


HBL7810

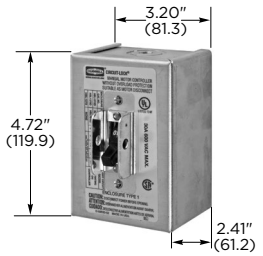
30A 600V AC Manual Motor Controllers, Three Pole

Description	Catalog Number
30A, three pole, single throw, AC manual motor controller, black nylon handle, side and back wired.	HBL7810
30A, three pole, single throw, AC manual motor controller, black nylon handle, short toggle.	HBL7810S
HBL7810D in HBL1390 Type 1 enclosure with non-metallic cover, 1/2 in. and 3/4 in. knockouts on top, bottom and back of steel frame.	HBL1389
HBL7810D in HBL1370 metal Type 1 enclosure.	HBL1379
HBL7810D in NEMA 3R non-metallic enclosure.	HBL13R23
HBL7810D in HBL13R90 metal Type 3R enclosure.	HBL13R89

Note: See page G-21 for technical information.



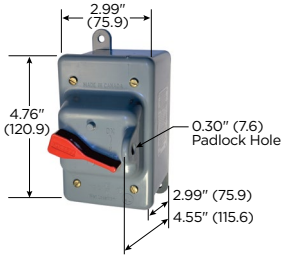
HBL1389



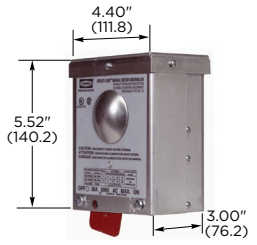
HBL1379

Motor Rating

Product	120V AC	240V AC	480V AC	600V AC	Phase
30A Double Pole	2HP	5HP	10HP	15HP	1
30A Three Pole	3HP	7-1/2HP	15HP	20HP	3
40A Double Pole	2HP	5HP	10HP	15HP	1
40A Three Pole	3HP	7-1/2HP	15HP	20HP	3
50A Double Pole	2HP	5HP	10HP	15HP	1
50A Three Pole	3HP	7-1/2HP	15HP	25HP	3
60A Double Pole	—	10HP	15HP	20HP	1
60A Three Pole	—	10HP	25HP	30HP	3



HBL13R23



HBL13R89

Dimensions in Inches (mm)

40A 600V AC Manual Motor Controllers

Description	Catalog Number
40A, double pole, single throw, AC manual motor controller, black nylon handle, side wired.	HBL7842D
40A, three pole, single throw, AC manual motor controller, black nylon handle, side wired.	HBL7843D

Note: See page G-21 for technical information.

50A 600V AC Manual Motor Controllers

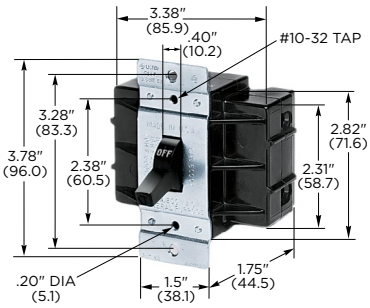
Description	Catalog Number
50A, double pole, single throw, AC manual motor controller, black nylon handle, side wired.	HBL7852D
50A, three pole, single throw, AC manual motor controller, black nylon handle, side wired.	HBL7853D

Note: See page G-21 for technical information.

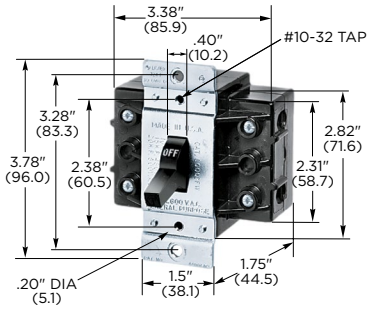
60A 600V AC Manual Motor Controllers

Description	Catalog Number
60A, double pole, single throw, AC manual motor controller, black nylon handle, back wired.	HBL7862D
Same as HBL7862D except front wired.	HBL7862FWD
HBL7862FWD in Type 3R enclosure.	HBL16R92D
60A, three pole, single throw, AC manual motor controller, black nylon handle, back wired.	HBL7863D
Same as HBL7863D except front wired.	HBL7863FWD
HBL7863FWD in a Type 3R enclosure.	HBL16R93D

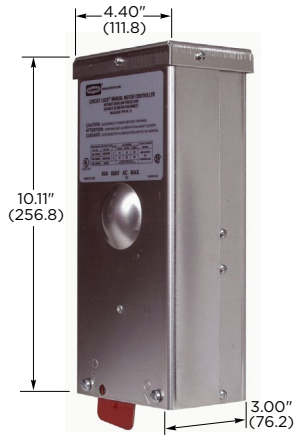
Note: See page G-21 for technical information.



HBL7862D



HBL7862FWD



HBL16R93D

Dimensions in Inches (mm)

CPB Series Compact Pendant Stations, Two Button, NEMA 4X

IP55 SUITABILITY

Description	Catalog Number
Single-speed normally open-normally closed without mechanical interlock.	CPB20
Single-speed with mechanical interlock between pushbuttons.	CPB21
Single-speed with mechanical interlock between pushbuttons, black housing.	CPB21BK
Two-speed with mechanical interlock between pushbuttons.	CPB22

Note: Included with product: nylon cord grip and sealing washer (must be installed to achieve NEMA 4X rating).
Indication label pack. Cord dia. range .375–.625 in. (9.5–15.9)
Ambient temperatures: 25°F to 140°F (32°C to 60°C).
Typical applications: Package electric motor hoists. Remote control of machinery.

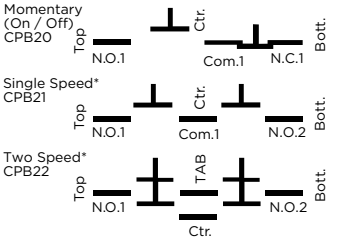
Contact Ratings, CPB Series

Single-Speed	Voltage	Current
AC	120V	6A
35% PF	240V	3A
DC	125V	1.1A
IND	250V	.55A
Two-Speed	Voltage	Current
AC	120V	3A
35% PF	240V	1.5A



CPB21

Wiring Diagram CPB2 Series



*Mechanical "floating ball" interlock prevents activating both Pushbuttons

Dimensions in Inches (mm)

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Products at a Glance



Advantage™ Series Pin and Sleeve Switch-Rated Devices

- Advantage™ series devices are approved as disconnecting means for both motor circuitry and branch circuits
- Robust and durable housing, UV-stabilized, impact and corrosion-resistant PBT housing is designed to withstand harsh industrial environments



IEC Watertight Devices

- Provide safe and dependable performance in the most demanding environments
- Heavy duty non-conductive nylon construction provides impact and corrosion protection
- Thermoplastic polymer contact carriers withstand high temperatures and provide resistance to electrical tracking



Corrosion Resistant Devices

- This superior grade of IEC and Insulgrip devices are ideal for the most demanding environments
- Nickel-plated brass on the IEC and nickel-plated Tellurium copper on the Insulgrip contacts prevent corrosion and heat rise



Hubbell-PRO Commercial Pin and Sleeve

- Value engineered to balance price and performance
- Complete offering of IP44 and IP67 devices
- Multiple installation efficiencies include EdgeConnect™ screwless terminations



Insulgrip® NEMA 4X UL 1686 C1 Devices

- Metallic where you want it and non-metallic where you need it
- This tough product line is NEMA 4X rated for use in the harshest environments
- Devices are fully interchangeable with other manufacturers of UL1686 C1 devices



Circuit-Lock® Mechanical Interlocks

- IEC pin and sleeve devices are color coded by voltage for easy identification
- Available in either fused or non-fused versions
- IEC reverse service units available for safely connecting generators



Back Boxes and Accessories

- A complete line of metallic and non-metallic back boxes, angle adapters, closure caps and liquidtight adapters are available
- Accessories aid with installation efficiencies and support the various applications in which the products are used



Hazardous Location Devices

- Copper-free aluminum construction with electrostatically applied polyester/epoxy finish to prevent corrosion
- Large visible rotary handle with ON/OFF indicator allows a quick means of disconnecting power

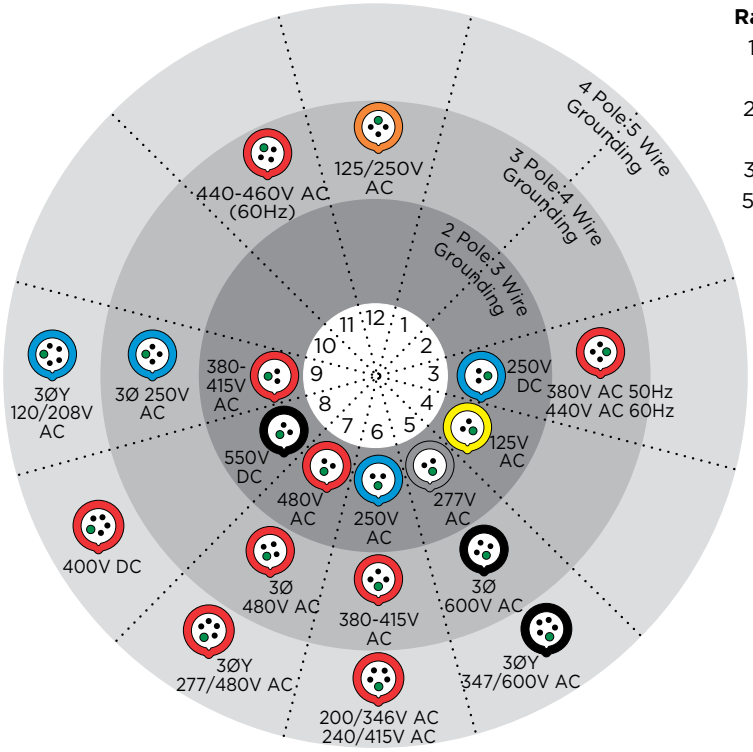
Features and Benefits

Singly Rated Configurations

Hubbell Pin and Sleeve products are designed and manufactured to meet the International Standard IEC 60309-1 and IEC 60309-2. This device standard calls out a singly rated, non-interchangeable configuration for every voltage and type of service throughout the world. Pin and sleeve device housings are color coded by voltage rating.

Voltage

The voltage is determined by the location of the female ground contact relative to the housing keyway. Simply by manufacturing the device with a ground contact in a certain "clock" position, the device will be rated for a particular voltage system. The diagram shows the keying position and the color coding that is associated with each voltage.



Rated Voltage	Color
100V - 130V	
125V/250V	
200V - 250V	
277V	
380V - 480V	
500V - 600V	

Typical IEC Pin and Sleeve Catalog Number

HBL4100C12W

HBL	4	100	C	12	W

- HBL — Hubbell Catalog Number
- 4 — 4 Wire
- 100 — 100 Amp
- C — "C" Connector
- 12 — Female Ground Sleeve at "12" O'Clock (125/250V)
- W — Watertight

Explanation

(HBL) Designates Hubbell Catalog Number

First Digit
3-3 wire
4-4 wire
5-5 wire

Next Series Of Digits
Preceding a letter
20-20 Amp
30-30 Amp
60-60 Amp
100-100 Amp

Letter
P-Plug
R-Receptacle
C-Connector
B-Inlet
MI-Mechanical Interlock
MIF-Mechanical Interlock Fused

Last Digit(s)
After the letter. This denotes the position of the ground sleeve and the assigned voltage in the receptacle as it relates to the hours of the clock. This is done to eliminate interchangeability between devices with different voltages.

Letter: W
Watertight

Advantage™ Series Pin and Sleeve Switch-Rated

Features and Benefits

IP69K and Type 4X, 12

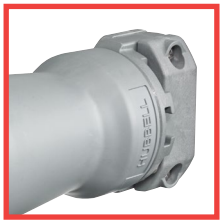
Hubbell Wiring Device-Kellems Advantage Series Pin and Sleeve Switch-Rated Devices are IEC 60309-2 compatible devices that are approved as a disconnecting means for motor and branch circuits. Compact design, this device is similar in size to standard IEC 60309 devices. Robust and durable housing, UV-stabilized, impact and corrosion-resistant PBT housing is designed to withstand harsh industrial environments. Stainless steel hardware provides superior corrosion resistance in wet and harsh environments. Receptacles mount to standard Hubbell IEC Pin and Sleeve back boxes.





Housing Design

- Rugged one-piece housing, thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants
- IEC pin and sleeve devices are color coded by voltage for easy identification



Heavy Duty External Cord Grips

- Provides maximum cord retention to maintain unstressed terminations
- Pocketed recess for screws deters slippage of the screwdriver and are conveniently located on the same side for easy installation



Ease of Use

- Ergonomic design puts the Advantage™ into the palm of your hands with the easy-to-use leverage grip design from Hubbell



Spring-Loaded Cover

- Spring-loaded to the open position, reminding users that the cover must be secured to ensure maximum ingress protection
- Impact resistant cover arm; compact and durable internal swing arm is fully shrouded protecting it from damage



Spring-Loaded Disconnect Button

- Oversized for easy actuation with gloved hands



Full Line of Accessories

- Advantage series receptacles have same mounting pattern as Hubbell's standard receptacles, for non-metallic and metallic back boxes (see page H-14)
- Full offering of liquidtight adapters (see page H-15)

Features and Benefits

The Advantage™ Series has a UL witnessed IP69K and Type 4X,12 environmental rating, two power-indicating LEDs, continuous ground engagement, labelless laser markings and a compact and ergonomic design.

Hubbell's Pin and Sleeve connections have always been safe – that hasn't changed. The Advantage™ series simply has more... Advantages.

IP69K and Type 4X, 12





Sleek and Modern Design

- The ergonomic device is easy to keep clean making it ideal for hygienic food processing facilities



Permanent Labelless Markings

- Product ratings are laser-marked into the device and will not wash off for easy permanent identification



Continuous Ground Engagement

- Unswitched feed-through ground pin is first-to-make and last-to-break followed by switched neutral and phase contact(s)



Superior Water Ingress Protection

- UL witnessed IP69K and UL Type 4X and 12. Device is built to withstand wet and harsh environments



IEC 60309 Singularly Rated Device

- Mates with existing installed base of IEC 60309 pin and sleeve devices; color coded by voltage for easy identification of mating devices



Power Indicating LED Lights

- Highly visible and long lasting green LED lights on both sides of the device provide visual verification of power when connected

Advantage™ Series IEC Pin and Sleeve Switch Rated

IP69K and Type 4X, 12

Rating					Pin and Sleeve Devices					Accessories	
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	Connector	Receptacle	HP	Mating Plug	IP67 Inlet	Back Boxes	Closure Caps
30	2P 3W			125V	HBLS330C4W	HBLS330R4W	2	HBL330P4W	HBL330B4W	BB2030N	PC3430
32	2P 3W			100-130V	HBLS332C4W	HBLS332R4W	2	HBL332P4W	HBL332B4W	BB2030N	PC3430
30	2P 3W			250V	HBLS330C6W*	HBLS330R6W*	5	HBL330P6W*	HBL330B6W*	BB2030N	PC3430
32	2P 3W			220-240V							
30	2P 3W			480V	HBLS330C7W	HBLS330R7W	10	HBL330P7W	HBL330B7W	BB2030N	PC3430
30	3P 4W			125/250V	HBLS430C12W	HBLS430R12W	2	HBL430P12W	HBL430B12W	BB2030N	PC3430
30/32	3P 4W			3Ø 250V	HBLS430C9W*	HBLS430R9W*	10	HBL430P9W*	HBL430B9W*	BB2030N	PC3430
30	3P 4W			3Ø 480V	HBLS430C7W	HBLS430R7W	20	HBL430P7W	HBL430B7W	BB2030N	PC3430
30	3P 4W			3Ø 600V	HBLS430C5W	HBLS430R5W	30	HBL430P5W	HBL430B5W	BB2030N	PC3430
30/32	3P 4W			380-415V	HBLS430C6W*	HBLS430R6W*	7.5	HBL430P6W*	HBL430B6W*	BB2030N	PC3430
32	3P 4W			380-440V	HBLS432C3W	HBLS432R3W	10	HBL432P3W	HBL432B3W	BB2030N	PC3430
30	4P 5W			3ØY 347/600V	HBLS530C5W	HBLS530R5W	30	HBL530P5W	HBL530B5W	BB2030N	PC530
30	4P 5W			200/346-240/415V	HBLS530C6W*	HBLS530R6W*	7.5	HBL530P6W*	HBL530B6W*	BB2030N	PC530
32	4P 5W			220/380V 240/415V							
30	4P 5W			3ØY 277/480V	HBLS530C7W	HBLS530R7W	20	HBL530P7W	HBL530B7W	BB2030N	PC530
30/32	4P 5W			3ØY 120/208V	HBLS530C9W*	HBLS530R9W*	10	HBL530P9W*	HBL530B9W*	BB2030N	PC530
60	2P 3W			125V	HBLS360C4W	HBLS360R4W	3	HBL360P4W	HBL360B4W	BB60N	PC60
60	2P 3W			250V	HBLS360C6W*	HBLS360R6W*	7.5	HBL360P6W*	HBL360B6W*	BB60N	PC60
63	2P 3W			220-240V							
60	2P 3W			480V	HBLS360C7W	HBLS360R7W	15	HBL360P7W	HBL360B7W	BB60N	PC60
60	3P 4W			125/250V	HBLS460C12W	HBLS460R12W	3	HBL460P12W	HBL460B12W	BB60N	PC60
60/63	3P 4W			3Ø 250V	HBLS460C9W*	HBLS460R9W*	10	HBL460P9W*	HBL460B9W*	BB60N	PC60
60	3P 4W			3Ø 480V	HBLS460C7W	HBLS460R7W	30	HBL460P7W	HBL460B7W	BB60N	PC60
60	3P 4W			3Ø 600V	HBLS460C5W	HBLS460R5W	40	HBL460P5W	HBL460B5W	BB60N	PC60
60/63	3P 4W			380-415V	HBLS460C6W*	HBLS460R6W*	10	HBL460P6W*	HBL460B6W*	BB60N	PC60
60	4P 5W			3ØY 347/600V	HBLS560C5W	HBLS560R5W	40	HBL560P5W	HBL560B5W	BB60N	PC60
60/63	4P 5W			200/346-240/415V	HBLS560C6W*	HBLS560R6W*	10	HBL560P6W*	HBL560B6W*	BB60N	PC60
60	4P 5W			3ØY 277/480V	HBLS560C7W	HBLS560R7W	30	HBL560P7W	HBL560B7W	BB60N	PC60
60/63	4P 5W			3ØY 120/208V	HBLS560C9W*	HBLS560R9W*	10	HBL560P9W*	HBL560B9W*	BB60N	PC60

*Note: *Certain IEC configurations allow for a single product to be certified as both a North American (Series 2) and International amperage (Series 1). These products are marked accordingly with both the UL Listing and UL Classified markings. ADVANTAGE™ series receptacles have the same mounting pattern as standard Hubbell IEC pin and sleeve. See page H-14 for back boxes and H-15 for accessories.*

Advantage™ Series IEC Pin and Sleeve Switch Rated

IP69K and Type 4X, 12

Rating					Pin and Sleeve Devices					Accessories	
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	Connector	Receptacle	HP	Mating Plug**	Inlet**	Back Boxes	Closure Caps
100	3P 4W			3Ø 600V	HBLS4100C5W	HBLS4100R5W	50	HBL4100P5W	HBL4100B5W	BB100N	PC100
100	3P 4W			380-415V	HBLS4100C6W*	HBLS4100R6W*	15	HBL4100P6W	HBL4100B6W	BB100N	PC100
100	3P 4W			3Ø 480V	HBLS4100C7W	HBLS4100R7W	40	HBL4100P7W	HBL4100B7W	BB100N	PC100
100	3P 4W			3Ø 250V	HBLS4100C9W*	HBLS4100R9W*	15	HBL4100P9W	HBL4100B9W	BB100N	PC100
100	3P 4W			125/250V	HBLS4100C12W	HBLS4100R12W	10; 3	HBL4100P12W	HBL4100B12W	BB100N	PC100
100	4P 5W			3ØY 347/600V	HBLS5100C5W	HBLS5100R5W	50	HBL5100P5W	HBL5100B5W	BB100N	PC100
100	4P 5W			200/346-240/415V	HBLS5100C6W*	HBLS5100R6W*	15	HBL5100P6W	HBL5100B6W	BB100N	PC100
100	4P 5W			3ØY 277/480V	HBLS5100C7W	HBLS5100R7W	40	HBL5100P7W	HBL5100B7W	BB100N	PC100
100	4P 5W			3ØY 120/208V	HBLS5100C9W*	HBLS5100R9W*	15	HBL5100P9W	HBL5100B9W	BB100N	PC100

*Note: *Certain IEC configurations allow for a single product to be certified as both a North American (Series 2) and International amperage (Series 1). These products are marked accordingly with both the UL Listing and UL Classified markings.*

Advantage™ Series Pin and Sleeve Communication Circuit

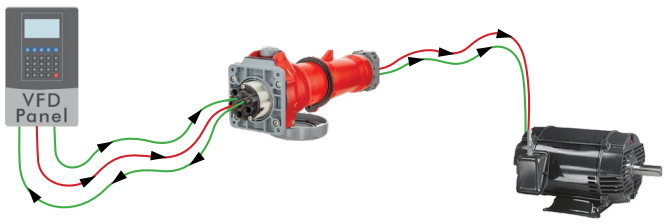
Hubbell's innovative Advantage™ Series Switch-Rated pin and sleeve are available with three optional Control Contacts. These break before main contacts can be used to communicate with auxiliary devices such as PLCs and VFDs.

Control circuit versions are available in 3 pole 4 wire configurations and have a voltage range of 125V up to 600V. To help support facility control, the oversized ground contact is clocked at either 5 or 7 o'clock to help prevent mismating of unlike voltages.



Rating						Pin and Sleeve Devices						
Amps	Poles And Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	Connector	Receptacle	HP	Mating Plug	IP67 Inlet	Back Boxes	Closure Caps
30	3P 4W			Max 600V AC	HBLS430C7WC	HBLS430R7WC	20	HBLS430P7WC	HBLS430B7WC	BB2030N	PC530
30	3P 4W			Max 600V AC	HBLS430C5WC	HBLS430R5WC	30	HBLS430P5WC	HBLS430B5WC	BB2030N	PC530
60	3P 4W			Max 600V AC	HBLS460C7WC	HBLS430R7WC	30	HBLS460P7WC	HBLS460B7WC	BB60N	PC60
60	3P 4W			Max 600V AC	HBLS460C5WC	HBLS430R5WC	40	HBLS460P5WC	HBLS460B5WC	BB60N	PC60

Wiring Schematic



Power

Communication / Low Voltage

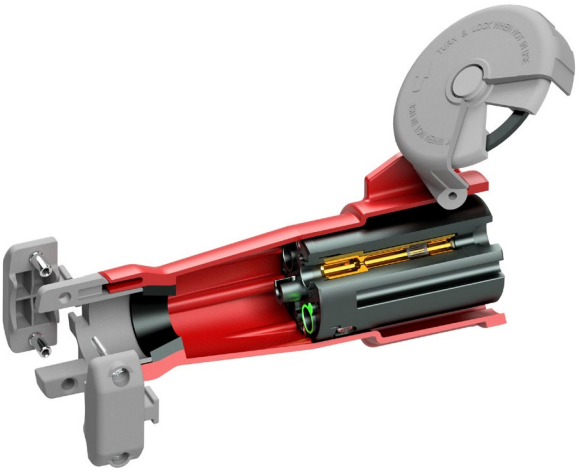
Dimensions in Inches (mm)

HBL® Heavy Duty IEC Watertight Devices

Features and Benefits

IP69K and Type 4X, 12

Hubbell's IEC 60309 Pin and Sleeve plugs, connectors, inlets and receptacles are the highest performing products available. The HBL® heavy duty series of IEC pin and sleeve were designed for the demanding North American market. Hubbell was the first and is still the only manufacturer of IEC 60309 devices in the USA and have numerous innovative features noted below.





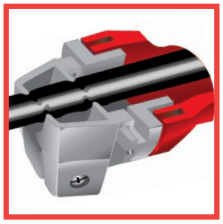
Housing Design

- Insulated non-metallic housing, super tough, non-conductive and chemical resistant for heavy duty industrial environments
- IEC pin and sleeve devices are color coded by voltage for easy identification
- Self-closing gasketed cover, detents into position to fully close automatically



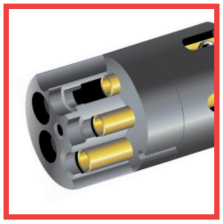
Liquidtight Conduit Adapters

- Aluminum or non-metallic adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector



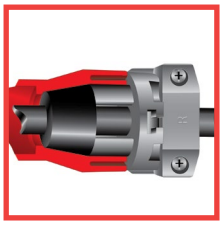
Powerful Mechanical Cord Grip

- Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations
- Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention



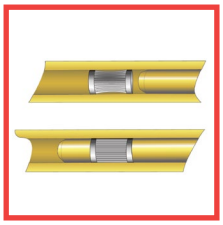
Sequential Contact Engagement

- Ground makes first and breaks last. Neutral makes second and breaks second (to prevent a momentary over-voltage on components connected phase to neutral)
- Phase contacts make last and break first



Watertight Cord Entrance

- The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord
- Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance



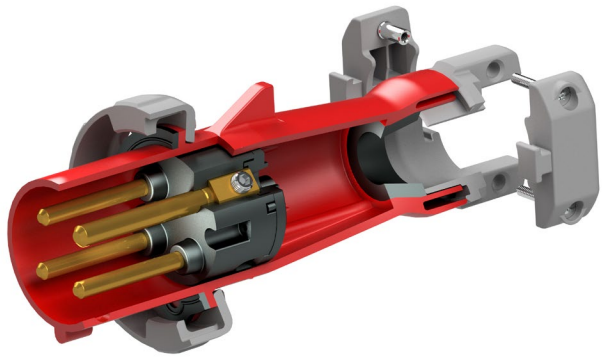
Multi-Contact Spring

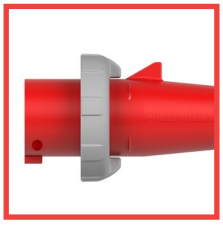
- (60/63 and 100/125 Amp) Recessed within the female sleeve, provides and maintains high unit pressure on mating pins to minimize temperature rise
- Broaches oxide film to achieve low resistance contact for cooler operation

Features and Benefits

IP69K and Type 4X, 12

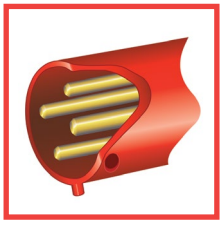
The IEC line of plugs and connectors are made with a rugged super tough, one-piece housing. The engineered thermoplastic polymer contact carrier provides a high resistance to electrical tracking. They withstand higher temperatures which may result from overload or arcing. The heavy duty, external cord grip provides superior strain relief on the conductors. Hubbell's horsepower rated plugs and receptacles meet NEC 430.109(F) requirements and recognized as an approved disconnecting/"line of sight" disconnecting means.





Housing Design

- Rugged one-piece housing, thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants
- Amperage/voltage rating and catalog number molded in housing for easy identification



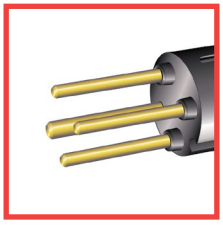
Shrouded Pins

- Super tough plug shroud protects pins from deforming from physical abuse
- Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts
- Solid one-piece pins, machined from solid brass for longer life and reliable electrical contact



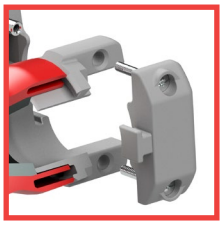
Safety

- Lockout/Tagout, tapered opening on plug shroud accommodates up to 3/8 inch (9.7mm) lock shackle diameter



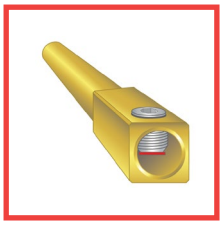
Contact Carrier

- Engineered thermoplastic polymer provides high dielectric withstand performance against tracking
- Superior impact resistance



Cord Grips

- Heavy duty external cord grips provide maximum cord retention to maintain secure terminations



Swivel Pressure Pads

- 16/20 and 30/32 Amp devices feature patented swiveling pressure pad terminal screws and prevent damage to conductor strands; 60/63 and 100/125 Amp devices feature large hex-head stainless steel screws which provide higher torque levels for secure terminations

HBL® Heavy Duty IEC Watertight Devices

IP69K and Type 4X, 12

Rating					Watertight Devices				Accessories			Replacement Interiors	
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	Receptacle	Plug	Connector	Inlet	Back Boxes Non-Metallic	Back Boxes Metallic*	Closure Caps	Recep./ Conn.	Plug/ Inlet
16	2P 3W			100-130V	HBL316R4W	HBL316P4W	HBL316C4W	HBL316B4W†	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
20	2P 3W			125V	HBL320R4W	HBL320P4W	HBL320C4W	HBL320B4W	BB2030N	BB201W BB301W	PC320	IN320AF	IN320AM
16/ 20	2P 3W			220-240V 250V	HBL320R6W	HBL320P6W	HBL320C6W	HBL320B6W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
20	2P 3W			480V	HBL320R7W	HBL320P7W	HBL320C7W	HBL320B7W	BB2030N	BB201W BB301W	PC320	IN320BF	IN320BM
20	3P 4W			125/250V	HBL420R12W	HBL420P12W	HBL420C12W	HBL420B12W	BB2030N	BB201W BB301W	PC420	IN420CF	IN420CM
16/ 20	3P 4W			380-415V	HBL420R6W	HBL420P6W	HBL420C6W	HBL420B6W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
	3P 4W			3Ø 250V	HBL420R9W	HBL420P9W	HBL420C9W	HBL420B9W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
20	3P 4W			3Ø 480V	HBL420R7W	HBL420P7W	HBL420C7W	HBL420B7W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
20	3P 4W			3Ø 600V	HBL420R5W	HBL420P5W	HBL420C5W	HBL420B5W	BB2030N	BB201W BB301W	PC420	IN420DF	IN420DM
16/ 20	4P 5W			220/380V 240/415V	HBL520R6W	HBL520P6W	HBL520C6W	HBL520B6W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
	4P 5W			3ØY 120/208V	HBL520R9W	HBL520P9W	HBL520C9W	HBL520B9W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
20	4P 5W			3ØY 277/480V	HBL520R7W	HBL520P7W	HBL520C7W	HBL520B7W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
20	4P 5W			3ØY 347/600V	HBL520R5W	HBL520P5W	HBL520C5W	HBL520B5W	BB2030N	BB201W BB301W	PC520	IN520EF†	IN520EM
30	2P 3W			125V	HBL330R4W	HBL330P4W	HBL330C4W	HBL330B4W	BB2030N	BB201W BB301W	PC3430	IN330AF	—
30/ 32	2P 3W			220-240V 250V	HBL330R6W	HBL330P6W	HBL330C6W	HBL330B6W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
30	2P 3W			480V	HBL330R7W	HBL330P7W	HBL330C7W	HBL330B7W	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
30	3P 4W			125/250V	HBL430R12W	HBL430P12W	HBL430C12W	HBL430B12W	BB2030N	BB201W BB301W	PC3430	IN430CF	IN430CM
30/ 32	3P 4W			380-415V	HBL430R6W	HBL430P6W	HBL430C6W	HBL430B6W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
	3P 4W			3Ø 250V	HBL430R9W	HBL430P9W	HBL430C9W	HBL430B9W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30	3P 4W			3Ø 480V	HBL430R7W	HBL430P7W	HBL430C7W	HBL430B7W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30	3P 4W			3Ø 600V	HBL430R5W	HBL430P5W	HBL430C5W	HBL430B5W	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM
30/ 32	4P 5W			220/380V 240/415V	HBL530R6W	HBL530P6W	HBL530C6W	HBL530B6W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
	4P 5W			3ØY 120/208V	HBL530R9W	HBL530P9W	HBL530C9W	HBL530B9W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
30	4P 5W			3ØY 277/480V	HBL530R7W	HBL530P7W	HBL530C7W	HBL530B7W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
30	4P 5W			3ØY 347/600V	HBL530R5W	HBL530P5W	HBL530C5W	HBL530B5W	BB2030N	BB201W BB301W	PC530	IN530EF	IN530EM
32	2P 3W			100-130V	HBL332R4W†	HBL332P4W†	HBL332C4W†	HBL332B4W†	BB2030N	BB201W BB301W	PC3430	IN330BF	IN330BM
32	3P 4W			380V 50Hz 440V 60Hz	HBL432R3W	HBL432P3W	HBL432C3W	HBL432B3W†	BB2030N	BB201W BB301W	PC3430	IN430DF	IN430DM

*Note: See page H-14 and H-15 for back boxes and accessories, H-18 and H-19 for product dimensions, H-16 and H-17 for product specifications and HP ratings. See page H-15 for closure caps, purchased separately. PC320, PC420, PC520, PC3430, PC530 are not UL or CSA.*These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.†Consult factory.*
See 20, 30, 60 & 100 amp offering for additional dual rated devices for use at either 16A or 20A, 30A or 32A, 60A or 63A and 100A or 125A.

HBL® Heavy Duty IEC Watertight Devices

IP69K and Type 4X, 12

Rating				Watertight Devices				Accessories			Replacement Interiors	
Amps	Poles and Wires	Configuration Recep./ Plug/ Conn. Inlet	AC Voltage	Receptacle	Plug	Connector	Inlet	Back Boxes Non-Metallic	Back Boxes Metallic*	Closure Caps	Recep./ Conn.	Plug / Inlet
60	2P 3W		125V	HBL360R4W	HBL360P4W	HBL360C4W	HBL360B4W	BB60N	BB601W BB602W	PC60	IN360AF	IN360AM
60/63	2P 3W		220-240V 250V	HBL360R6W	HBL360P6W	HBL360C6W	HBL360B6W	BB60N	BB601W BB602W	PC60	IN360BF	—
60	2P 3W		480V	HBL360R7W	HBL360P7W	HBL360C7W	HBL360B7W	BB60N	BB601W BB602W	PC60	IN360BF	—
60	3P 4W		125/250V	HBL460R12W	HBL460P12W	HBL460C12W	HBL460B12W	BB60N	BB601W BB602W	PC60	IN460CF	IN460CM
60/63	3P 4W		380-415V	HBL460R6W	HBL460P6W	HBL460C6W	HBL460B6W	BB60N	BB601W BB602W	PC60	IN460DFS	IN460DMS
	3P 4W		3Ø 250V	HBL460R9W	HBL460P9W	HBL460C9W	HBL460B9W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
60	3P 4W		3Ø 480V	HBL460R7W	HBL460P7W	HBL460C7W	HBL460B7W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
60	3P 4W		3Ø 600V	HBL460R5W	HBL460P5W	HBL460C5W	HBL460B5W	BB60N	BB601W BB602W	PC60	IN460DF	IN460DM
60/63	4P 5W		220/380V 240/415V	HBL560R6W	HBL560P6W	HBL560C6W	HBL560B6W	BB60N	BB601W BB602W	PC60	IN560EFS†	IN560EMS
	4P 5W		3ØY 120/208V	HBL560R9W	HBL560P9W	HBL560C9W	HBL560B9W	BB60N	BB601W BB602W	PC60	IN560EF	—
60	4P 5W		3ØY 277/480V	HBL560R7W	HBL560P7W	HBL560C7W	HBL560B7W	BB60N	BB601W BB602W	PC60	IN560EF	—
60	4P 5W		3ØY 347/600V	HBL560R5W	HBL560P5W	HBL560C5W	HBL560B5W	BB60N	BB601W BB602W	PC60	IN560EF	—
100	2P 3W		125V	HBL3100R4W	HBL3100P4W	HBL3100C4W	HBL3100B4W	BB100N	BB1001W BB1002W	PC100	IN3100AF	IN3100AM
100	2P 3W		250V	HBL3100R6W	HBL3100P6W	HBL3100C6W	HBL3100B6W	BB100N	BB1001W BB1002W	PC100	IN3100BF	—
100	2P 3W		480V	HBL3100R7W	HBL3100P7W	HBL3100C7W	HBL3100B7W	BB100N	BB1001W BB1002W	PC100	IN3100BF	—
100	3P 4W		125/250V	HBL4100R12W	HBL4100P12W	HBL4100C12W	HBL4100B12W	BB100N	BB1001W BB1002W	PC100	IN4100CF†	IN4100CM
100/125	3P 4W		380-415V	HBL4100R6W	HBL4100P6W	HBL4100C6W	HBL4100B6W	BB100N	BB1001W BB1002W	PC100	IN4100DFS	IN4100DMS
	3P 4W		3Ø 250V	HBL4100R9W	HBL4100P9W	HBL4100C9W	HBL4100B9W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
100	3P 4W		3Ø 480V	HBL4100R7W	HBL4100P7W	HBL4100C7W	HBL4100B7W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
100	3P 4W		3Ø 600V	HBL4100R5W	HBL4100P5W	HBL4100C5W	HBL4100B5W	BB100N	BB1001W BB1002W	PC100	IN4100DF	IN4100DM
100/125	4P 5W		220/380V 240/415V	HBL5100R6W	HBL5100P6W	HBL5100C6W	HBL5100B6W	BB100N	BB1001W BB1002W	PC100	IN5100EFS	IN5100EMS
	4P 5W		3ØY 120/208V	HBL5100R9W	HBL5100P9W**	HBL5100C9W	HBL5100B9W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
100	4P 5W		3ØY 277/480V	HBL5100R7W	HBL5100P7W	HBL5100C7W	HBL5100B7W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM
100	4P 5W		3ØY 347/600V	HBL5100R5W	HBL5100P5W	HBL5100C5W	HBL5100B5W	BB100N	BB1001W BB1002W	PC100	IN5100EF	IN5100EM

*Note: See page H-14 and H-15 for back boxes and accessories, H-18 and H-19 for product dimensions, H-16 and H-17 for product specifications and HP ratings. See page H-15 for closure caps, purchased separately. PC60 and PC100 are not UL or CSA. *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*
***Short housing plug HBL5100P9WSH. IP22 suitability.*
†Consult factory.

Dimensions in Inches (mm)

Corrosion Resistant Devices

IP69K and Type 4X, 12

Corrosion Resistant Devices that Withstand the Most Abusive Environments

Hubbell offers a superior grade of 100A IEC Pin and Sleeve designed for use in the most demanding environments. These devices feature nickel plated solid brass pins for long life and reliable electrical contact in the most corrosive environments. They have a high visibility yellow supertough nylon housing. The heavy duty external cord clamps provide maximum cord retention to maintain secure terminations. The screws and fasteners are made from stainless steel.



- Food Processing
- Factory



- Water Treatment
- Washdown
- Temporary Power



- Meat Packing
- Construction



- Agriculture
- Outdoor Entertainment

Standard Service

Rating				Watertight Devices			Accessories		
Amps	Poles And Wires	Configuration Recep./ Conn. Plug	AC Voltage	Receptacle	Plug	Connector	Back Boxes Non-Metallic	Back Boxes Metallic*	Closure Caps
100	3P 4W		125/250V	M4100R12	M4100P12	M4100C12	BB100N	BB1001W BB1002W	PC100
	4P 5W		3ØY 120/208V	M5100R9	M5100P9	M5100C9	BB100N	BB1001W BB1002W	PC100
	4P 5W		3ØY 277/480V	M5100R7	M5100P7	M5100C7	BB100N	BB1001W BB1002W	PC100

"Reverse Service"

Rating				Watertight Devices			Accessories		
Amps	Poles And Wires	Configuration Conn. Inlet	AC Voltage	Inlet	Plug	Connector	Back Boxes Non-Metallic	Back Boxes Metallic*	Closure Caps
100	3P 4W		125/250V	M4100B12R	–	M4100C12R	BB100N	BB1001W BB1002W	PC100
	4P 5W		3ØY 120/208V	M5100B9R	–	M5100C9R	BB100N	BB1001W BB1002W	PC100
	4P 5W		3ØY 277/480V	M5100B7R	–	M5100C7R	BB100N	BB1001W BB1002W	PC100

*Note: *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*
See page CC-19 for corrosion resistant cord sets.

Dimensions in Inches (mm)

Liquidtight Pin and Sleeve

IP69K and Type 4X, 12

New liquid tight models expand the Hubbell IEC pin and sleeve line. These devices were engineered for data center applications where superior performance is required for mission critical applications. Factory installed NPT conduit adapters on the back side of the housings allow direct installation of liquidtight fittings. These devices are UL Certified, conforming to IEC 60309 and UL 1682. Dual rated models are also available.



Amps	Wires	Ground Pin		Voltage	Conduit Fitting	SKU
30/32A	4P 5W			220/380V 240/415V	1/2"	HBL530C6WLT12
					3/4"	HBL530C6WLTM1
30A	4P 5W			3ØY 277/480	1/2"	HBL530C7WLT12
					3/4"	HBL530C7WLTM1
30A	3P 4W			3Ø 250V	3/4"	HBL530C9WLTM1
60/63A	3P 4W			3Ø 250V	3/4"	HBL460C9WLT
60/63A	4P 5W			220/380V 240/415V	3/4"	HBL560C6WLT34
					1"	HBL560C6WLT100
60A	4P 5W			3ØY 277/480	3/4"	HBL560C7WLT34
					1"	HBL560C7WLT100
100/125A	4P 5W			220/380V 240/415V	1-1/4"	HBL5100C6WLT125
					1-1/2"	HBL5100C6WLT150
100A	4P 5W			3ØY 277/480	1-1/4"	HBL5100C7WLT125
					1-1/2"	HBL5100C7WLT150

Dual Certified Pin and Sleeve Devices

IP69K and Type 4X, 12

Hubbell's dual certified pin and sleeve devices are ideal for the data center and high tech server industry. They are UL Listed to UL1682 for the North American market and are UL Classified Certified for the European and International market. Customers can use the same plug and connector for multiple electrical configurations. They reduce the number of SKUs end users have to use if they sell to both domestic and overseas customers. These devices are IP69K and Type 4X, 12 rated, RoHs compliant and showcase all the inherent safety benefits of their V-0 rated PBT housing and internal components.

Rating				Watertight Devices			
Amps	Poles And Wires	Configuration Recep./ Conn. Plug	AC Voltage	Receptacle	Plug	Connector	Inlet
30/32	3P 4W		380-415V	HBL430R6V02	HBL430P6V02	HBL430C6V02	HBL430B6V02
	4P 5W		200/346V 240/415V	HBL530R6V02	HBL530P6V02	HBL530C6V02	HBL530B6V02
60/63	3P 4W		380-415V	HBL460R6V02	HBL460P6V02	HBL460C6V02	HBL460B6V02
	4P 5W		200/346V 240/415V	HBL560R6V02	HBL560P6V02	HBL560C6V02	HBL560B6V02

Dimensions in Inches (mm)

Back Boxes

Hubbell manufactures an extensive line of back boxes for use with IEC Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit. Hubbell back boxes are available in non-metallic and cast metal versions.

Non-Metallic 15° Angle Back Box

Description	NPT Hub Size*	Catalog Number
Back box for 16, 20, 30 and 32A devices.	1"	BB2030N
Back box for 60 and 63A devices.	1-1/4"	BB60N
Back box for 100 and 125A devices.	1-1/2"	BB100N

*Note: *Hub is not included; order one of the following Raco® part numbers: 1 in. = 1704, 1-1/4 in. = 1705 1-1/2 in. = 1706.*
These boxes meets IP69K requirement and Type 4X requirements when installed with a watertight conduit hub.


BB60N

Metallic 15° Angle Back Box and Adapter**

Description	NPT Hub Size	Catalog Number
Back box for 16, 20, 30 and 32A devices.	3/4"	BB201W
	1"	BB301W
Back box for 60 and 63A devices.	1-1/4"	BB601W
	1-1/2"	BB602W
Back box for 100 and 125A devices.	1-1/2"	BB1001W
	2"	BB1002W
Angle adapter only for 60, 63, 100 and 125A devices.	—	AA6010015

*Note: **These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*


BB301W

Adapter Plates

Required to mount Hubbell-PRO receptacles and inlets to Hubbell back boxes.

Description	Catalog Number
For Use with 16A, 20A, 30A and 32A.	CAP2030
For Use with 60A and 63A.	CAP60
For Use with 100A and 125A.	CAP100


CAP60

Metallic 55° Angle Back Box and Adapter***

Description	NPT Hub Size	Catalog Number
Feed-thru box back box and adapter for 16, 20, 30 and 32A devices.	1"	AB203055
Angle adapter only.	—	AA203055
Back box and adapter for 60, 63, 100 and 125A devices.	1-1/2"	FW6010055
Angle adapter only.	—	AA6010055

*Note: ***These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*


FW6010055

Metallic Feed-Thru Back Box***

Description	NPT Hub Size	Catalog Number
Feed-thru box for 16, 20, 30 and 32A devices.	3/4"	FT202W
	1"	FT302W

*Note: ***These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*


FT202W

Metallic Four-Way 15° Angle Back Box***

Description	NPT Hub Size	Catalog Number
Four-way box for 60, 63, 100 and 125A devices.	1-1/2"	FW60100

*Note: ***These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*


FW60100

Straight Wall Box Adapter

Description	Catalog Number
Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve devices to 2-gang, device boxes and FD boxes.	HBL2030AP

Angle Wall Box Adapter

Description	Catalog Number
Adapts 16, 20, 30 and 32A Watertight IEC Pin and Sleeve devices to standard wall boxes.	AA2030PS

Note: Adapts 20 and 30A Watertight Pin and Sleeve receptacle to single, 2-gang standard wall box and 4 or 4-11/16 inch square for non-watertight applications.

Dimensions in Inches (mm)


AA2030PS

Closure Caps

Cap assemblies provide watertight sealing to a disconnected male IEC Pin and Sleeve plug or inlet. Manufactured of the same tough non-metallic material as the watertight IEC Pin and Sleeve devices for corrosion and abuse resistance.

Description	Catalog Number
Fits all 16 and 20A, 3 wire plugs and inlets. Fits all 16 and 20A, 4 wire plugs and inlets. Fits all 16 and 20A, 5 wire plugs and inlets.	PC320 PC420 PC520
Fits all 30 and 32A, 3 and 4 wire plugs and inlets. Fits all 30 and 32A, 5 wire plugs and inlets.	PC3430 PC530
Fits all 60 and 63A plugs and inlets.	PC60
Fits all 100 and 125A plugs and inlets.	PC100


PC3430

Cover Assemblies

Replacement cover assemblies for use with watertight connector bodies and receptacles. Exact replacement cover assemblies required to maintain proper water ingress. They are not reverse compatible. Replacement covers are not interchangeable. Kit contains cover, arm assembly and installation tool.

Description	IP67 Catalog Number	IP69K/4X Catalog Number
Fits all 16 and 20A, 3 wire watertight female devices. Fits all 16 and 20A, 4 wire watertight female devices. Fits all 16 and 20A, 5 wire watertight female devices.	CA320 CA420 CA520	HBLCA320 HBLCA420 HBLCA520
Fits all 30 and 32A, 3 and 4 wire watertight female devices. Fits all 30 and 32A, 5 wire watertight female devices.	CA3430 CA530	HBLCA3430 HBLCA530
Fits all 60 and 63A watertight female devices.	CA60	HBLCA60
Fits all 100 and 125A watertight female devices.	CA100	HBLCA100


CA60


HBLCA60

Cord Clamp and Locking Ring

Replacement cord clamp and locking ring for use with IEC plugs, connectors and inlets.

Description	Cord Clamp and Locking Ring	Locking Ring Only
Fits all 16 and 20A, 3 wire plugs, connectors and inlets. Fits all 16 and 20A, 4 wire plugs, connectors and inlets. Fits all 16 and 20A, 5 wire plugs, connectors and inlets.	CC320 CC420 CC520†	LR320* LR420* LR520*
Fits all 30 and 32A, 3 and 4 wire plugs, connectors and inlets. Fits all 30 and 32A, 5 wire plugs, connectors and inlets.	CC3430 CC530†	LR3430* LR530*
Fits all 60 and 63A plugs, connectors and inlets.	CC60	LR60*
Fits all 100 and 125A plugs, connectors and inlets.	CC100	LR100*

*Note: *Locking Ring only for plugs and inlets.*
†Consult factory.


CC3430


LR3430

Liquidtight Adapters

Machined aluminum or non-metallic adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of a Hubbell Pin and Sleeve plug or connector. To install, remove cord grip and two gland cap screws. Use screws to attach adapter. Kellems® liquidtight conduit connectors are available to control arc of bend and to prevent conduit pull-out where vibration, motion or strain is present. These grips interface directly with Hubbell's liquidtight adapters and are available in a wide variety of NPT sizes and configurations. Consult your local code grounding requirements before using liquidtight adapters.

Rating of Hubbell Pin and Sleeve Device	Liquidtight Conduit Size	Liquidtight Adapters		Optional Kellems Liquidtight Conduit Grip
		Aluminum	Non-Metallic	
16 and 20 Amp 3 and 4 Wire.	1/2" NPT	SAA12	—	074093402
	3/4" NPT	SAA34	—	074093403
16 and 20 Amp 5 Wire and 30 and 32 Amp 3 and 4 Wire.	1/2" NPT	SAB12	—	074093402
	3/4" NPT	SAB34	—	074093403
	1" NPT	SAB100	—	074093404
30 and 32 Amp 5 Wire and 60 and 63 Amp (all).	1/2" NPT	SAC12	SAC12NM	074093402
	3/4" NPT	SAC34	SAC34NM	074093403
	1" NPT	SAC100	SAC100NM	074093404
	1-1/4" NPT	SAC125	—	074093405
100 and 125 Amp (all).	1-1/4" NPT	SAD125	—	074093405
	1-1/2" NPT	SAD150	—	074093406


SAB34


074093403

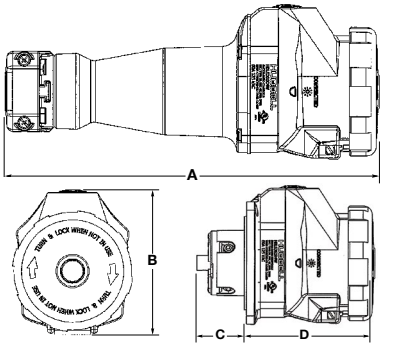
Dimensions in Inches (mm)

IEC Pin and Sleeve Specifications and Performance

Advantage Series Specifications

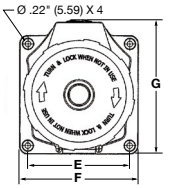
Performance

Temperature Rise	< 30°C
Dielectric Voltage	Min 2,200V AC
Electrical Life	Min 6,000 Cycles at rated switch load (p.f.= .75-.80)
Max Working Voltage	600V AC
Current Interrupting	Certified for current interrupting at full rated current and voltage
Horsepower Locked Rotor Test	50 Operations at 600% of full load motor current (p.f.= .40-.50)
Short Circuit	100kA when protected by Class J fuse. Also 125A RK1 fuse for 100A devices only
Endurance	Min 10,000 mating cycles
Flammability	V-0
Operating Temperature	Max Continuous +75°C; Min continous -40°C
Environmental	Type 4X, 12 and IP69K
UV Resistance	All materials are UV stabilized



Dimensions

Description	A	B	C	D	E	F	G
	Connector		Receptacle				
30A	9.9" (251.5)	4.5" (114.3)	1.06" (27.2)	3.83" (97.3)	3.13" (79.4)	3.75" (95.2)	4.5" (114.3)
60A	12.22" (310.4)	5.17" (131.3)	1.85" (47.0)	4.77" (121.2)	3.88" (98.6)	4.52" (114.8)	5.09" (129.3)
100A	15.89" (403.6)	5.63" (142.9)	3.08" (78.2)	5.03" (127.6)	4.87" (123.7)	5.63" (142.9)	5.88" (149.3)



Materials

Part	Material
Plug	
Housing	PBT
Locking Ring	PBT
Sealing Gasket	Solid Neoprene
Cord Clamp	PBT
Gland Cap	PBT
Gland	Solid Neoprene
Cord Clamp Screws	Stainless Steel (300 Series)
Clamp Nut	Nickel-Plated Brass
Gland Clamp Screws	Stainless Steel (300 Series)
Contact Carrier	High-Impact Thermoplastic
Retainer	High-Impact Thermoplastic
Ground, Phase Pins	Brass (M-Series - Nickel-plated brass)
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws	Stainless Steel (300 Series)
Connector Body	
Cord Clamps	PBT
Glands	PBT
Cover Arms	Solid Neoprene
Arm Springs	PBT
Covers	Stainless Steel (17-7 type)
Cover Screw	PBT
Gaskets	Nickel-plated brass
Contact Carrier	Solid Neoprene
Retainer	High-Impact Thermoplastic
Phase, Ground Sleeves	High-Impact Thermoplastic
Sleeve Spring	Brass
	20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating
Terminal Screws	Stainless Steel (300 Series)
Assembly Screws	Stainless Steel (300 Series)

Part	Material
Inlet	
Housing	PBT
Locking Ring Mounting	PBT
Flange Mounting	PBT
Screws Contact Carrier	Stainless Steel (300 Series)
Retainer	High-Impact Thermoplastic
Ground, Phase Pins	High-Impact Thermoplastic
Terminal Screws	Brass (M-Series - Nickel-plated
Assembly Screws (2)	Stainless Steel (300 Series)
Gaskets	Stainless Steel (300 Series)
	Solid Neoprene
Receptacle	
Housing	PBT
Mounting Flange	PBT
Arm Spring	Stainless Steel (17-7 type)
Cover Arm	PBT
Cover	PBT
Cover Screw	Nickel-plated brass
Gaskets	Solid Neoprene
Mounting Screws	Stainless Steel (300 Series)
Terminal Screws	Stainless Steel (300 Series)
Phase, Ground Sleeves	Brass
Sleeve Spring	20A and 30A Stainless Steel (300 Series); others are Beryllium Copper multi-contact inserts with silver plating

HBL® Heavy Duty Specifications

Typical Specifications

Manufacturer's Identification	Hubbell HBL520P9W
Description	Plug, Power Supply
Type	3 Pole + Neutral + Earth
Rating	20A, 120/208V AC, 3 Phase WYE
Configuration	UL 1686 C2, IEC 60309-2, Clock Position 9, Watertight
Certification	UL Listed, File E146032 Receptacles and Inlets, E146033 Plugs and Connectors, UL Standard UL1682 and UL 1686C2, CSA Certified File LR280C for Plugs, Connectors Inlets and LR285C for Receptacle CSA StandardC22.2 No. 182.1, UL Classified to IEC 60309-1 IEC 60309-2

Listed to standard UL1682/CSA C22.2 No. 182.1-02, Plugs, Receptacles and cable connectors of the Pin and Sleeve Type.

UL Classified to IEC Standards 60309-1 (Plugs, Socket Outlets, and Couplers for Industrial Purposes) for Series I (European) rated voltages and services.

When used with cord, these devices require no further investigation by UL for equipment Classification to IEC 435 or IEC 380.

Dimensions in Inches (mm)

Performance

Electrical	
Dielectric Withstand Voltage	3000V AC.
Max. Working Voltage	600V RMS (i.e., minimum creepage distance 10 millimeters, minimum clearance 8 millimeters, per IEC 60309-1 for devices rated over 500V).
Current Interrupting	Certified for current interrupting at full rated current (Except DC rated devices).
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Endurance	5,000 connect and disconnect cycles with load for 16A and 20A, 1,000 cycles with load and 1,000 cycles without load for 30A, 32A, 60A and 63A, and 250 cycles with load and 250 cycles without load for 100A and 125A.
Mechanical	
Impact Resistance	Per CSA C22.2 No. 182.1 / UL1682.
Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL Standard 62, CSA C22.2 No. 49 and the harmonized <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with North American and IEC conventions.
Product Identification	Identification and ratings are a permanent part of the device housing.
Environmental	
Moisture Resistance	Watertight per IEC 60309-1.
Ingress Protection	TYPE 4X, 12 and IP69K.
Flammability	V.0.
Operating Temperatures	Maximum Continuous 75°C; Minimum - 40°C without impact.
Materials	
Housings	PBT.
All Other Materials	Resistant to corrosion and chemical attack.

Note: Specification sheets for all other Pin and Sleeve catalog numbers are available upon request.

Horsepower Ratings for Hubbell IEC Pin and Sleeve Devices*

Single Phase

Amps	Wire Count	Voltage	Clock	Catalog Number	HP Rating
20	3	125V	4	HBL320x4W	1
20	3	250V	6	HBL320x6W	2
20	3	480V	7	HBL320x7W	5
20	4	125/250 (208L-L)	12	HBL420x12W	2
20	4	125/250 (250L-L)	12	HBL420x12W	2
20	4	125/250 (125L-N)	12	HBL420x12W	1
30	3	125V	4	HBL330x4W	2
30	3	250V	6	HBL330x6W	3
30	3	480V	7	HBL330x7W	7.5
30	4	125/250 (208L-L)	12	HBL430x12W	3
30	4	125/250 (250L-L)	12	HBL430x12W	3
30	4	125/250 (125L-N)	12	HBL430x12W	2
60	3	125V	4	HBL360x4W	2
60	3	250V	6	HBL360x6W	3
60	3	480V	7	HBL360x7W	7.5
60	4	125/250 (208L-L)	12	HBL460x12W	3
60	4	125/250 (250L-L)	12	HBL460x12W	3
60	4	125/250 (125L-N)	12	HBL460x12W	2
100	3	125V	4	HBL3100x4W	5
100	3	250V	6	HBL3100x6W	15
100	3	480V	7	HBL3100x7W	30
100	4	125/250 (208L-L)	12	HBL4100x12W	10
100	4	125/250 (250L-L)	12	HBL4100x12W	15
100	4	125/250 (125L-N)	12	HBL4100x12W	5

3-Phase

Amps	Wire Count	Voltage	Clock	Catalog Number	HP Rating
20	4	3Ø 250V	9	HBL420x9W	5
20	4	3Ø 480V	7	HBL420x7W	10
20	4	3Ø 600V	5	HBL420x5W	10
20	4	3Ø 380-415V	6	HBL420x6W	7.5
20	5	3ØY 120/208V	9	HBL520x9W	3
20	5	3ØY 277/480V	7	HBL520x7W	10
20	5	3ØY 347/600V	5	HBL520x5W	10
20	5	3Ø 240/415V	6	HBL520x6W	5
30	4	3Ø 250V	9	HBL430x9W	7.5
30	4	3Ø 480V	7	HBL430x7W	15
30	4	3Ø 600V	5	HBL430x5W	20
30	5	3ØY 120/208V	9	HBL530x9W	5
30	5	3ØY 277/480V	7	HBL530x7W	15
30	5	3ØY 347/600V	5	HBL530x5W	20
30	4	3Ø 380/415V	6	HBL430x6W	10
30	5	3Ø 200/346-240/415	6	HBL530x6W	10
60	4	3Ø 250V	9	HBL460x9W	7.5
60	4	3Ø 480V	7	HBL460x7W	20
60	4	3Ø 600V	5	HBL460x5W	25
60	4	3Ø 380-415VAC	6	HBL460x6W	10
60	5	3ØY 120/208V	9	HBL560x9W	7.5
60	5	3ØY 277/480V	7	HBL560x7W	20
60	5	3ØY 347/600V	5	HBL560x5W	25
60	5	3Ø 200/346-240/415	6	HBL560x6W	10
100	4	3Ø 250V	9	HBL4100x9W	15
100	4	3Ø 480V	7	HBL4100x7W	40
100	4	3Ø 600V	5	HBL4100x5W	50
100	4	3Ø 380-415V	6	HBL4100x6W	30
100	5	3ØY 200/346-240/415V	6	HBL5100x6W	30
100	5	3ØY 120/208V	9	HBL5100x9W	15
100	5	3ØY 277/480V	7	HBL5100x7W	40
100	5	3ØY 347/600V	5	HBL5100x5W	50

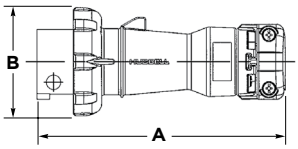
*Note: *Horsepower Ratings are NOT standardized amongst different Pin and Sleeve manufacturers.*

Dimensions in Inches (mm)

Dimensions

Plug Dimensions

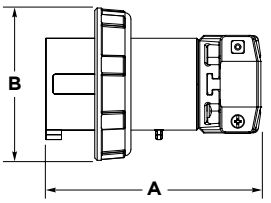
Type	A	B	Cord Grip Range
HBL320P	6.61" (167.8)	2.87" (73.0)	.330"-.830" (8.4-21.1)
HBL420P	7.00" (177.8)	3.19" (81.0)	.330"-.830" (8.4-21.1)
HBL520P	7.65" (194.3)	3.50" (89.0)	.330"-.830" (8.4-21.1)
HBL330P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL430P	8.05" (204.5)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL530P	8.54" (216.9)	4.02" (102.0)	.500"-1.450" (12.7-36.8)
HBL360P, HBL460P, HBL560P	10.15" (257.8)	4.49" (114.0)	.500"-1.450" (12.7-36.8)
HBL3100P, HBL4100P, M4100P, HBL5100P, M5100P	12.63" (320.8)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)



Plug

Short Housing Plug Dimensions

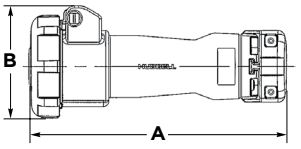
Type	A	B	Cord Grip Range
HBL5100P9WSH	8.30" (210.82)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)



Short Housing Plug

Connector Body Dimensions

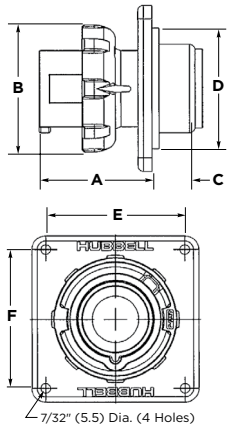
Type	A	B	Cord Grip Range
HBL320C	7.21" (183.1)	3.10" (78.9)	.330"-.830" (8.4-21.1)
HBL420C	7.57" (192.3)	3.43" (87.2)	.330"-.830" (8.4-21.1)
HBL520C	8.24" (209.2)	3.71" (94.3)	.330"-.830" (8.4-21.1)
HBL330C	8.24" (209.2)	3.71" (94.3)	.375"-1.250" (9.5-31.8)
HBL430C	8.69" (220.6)	3.74" (95.0)	.375"-1.250" (9.5-31.8)
HBL530C	9.33" (237.0)	4.02" (102.1)	.500"-1.450" (12.7-36.8)
HBL360C, HBL460C, HBL560C	10.75" (272.9)	4.39" (111.5)	.500"-1.450" (12.7-36.8)
HBL3100C, HBL4100C, M4100C, HBL5100C, M5100C	13.14" (333.8)	5.06" (128.5)	1.065"-1.940" (27.1-49.3)



Connector Body

Inlet Dimensions

Type	A	B	C	D	E	F
HBL320B	2.54" (64.5)	1.85" (47.0)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL420B	2.54" (64.5)	2.11" (53.6)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL520B	2.54" (64.5)	2.41" (61.2)	1.14" (29.0)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL330B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL430B	2.99" (76.0)	2.49" (63.2)	1.04" (26.5)	2.72" (69.0)	3.75" (95.3)	3.13" (79.5)
HBL530B	2.99" (76.0)	2.75" (69.9)	1.04" (26.5)	2.80" (71.0)	3.75" (95.3)	3.13" (79.5)
HBL360B, HBL460B, HBL560B	4.04" (102.6)	2.97" (75.5)	1.18" (30.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.5)
HBL3100B, HBL4100B, M4100B, HBL5100B, M5100B	4.53" (115)	3.44" (87.5)	1.95" (49.5)	3.94" (100.0)	5.50" (139.7)	4.88" (124.0)

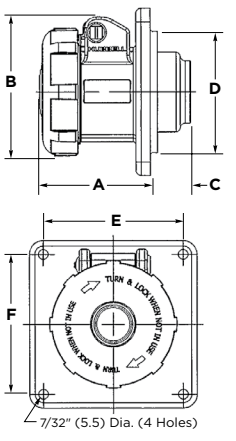


Inlet

Receptacle Dimensions

Type	A	B	C	D	E	F
HBL320R	2.47" (62.8)	3.10" (78.9)	.91" (23.0)	2.71" (68.9)	3.75" (95.3)	3.13" (79.4)
HBL420R	2.46" (62.4)	3.43" (87.2)	.91" (23.0)	2.71" (68.9)	3.75" (95.3)	3.13" (79.4)
HBL520R	2.50" (63.4)	3.71" (94.3)	.90" (22.9)	2.71" (68.9)	3.75" (95.3)	3.12" (79.3)
HBL330R	2.74" (69.7)	3.74" (95.0)	1.04" (26.5)	2.71" (68.9)	3.75" (95.3) SQ	4X 3.13" (79.4) SQ
HBL430R	2.74" (69.7)	3.74" (95.0)	1.04" (26.5)	2.71" (68.9)	3.75" (95.3) SQ	4X 3.13" (79.4) SQ
HBL530R	2.75" (69.7)	4.02" (102.1)	1.04" (26.5)	2.83" (71.9)	3.75" (95.3) SQ	3.13" (79.4) SQ
HBL360R, HBL460R, HBL560R	3.67" (93.2)	4.39" (111.5)	1.57" (40.0)	3.45" (87.7)	4.50" (114.3) SQ	3.88" (98.4) SQ
HBL3100R, HBL4100R, M4100R, HBL5100R, M5100R	3.78" (96.1)	5.07" (128.7)	2.30" (58.5)	3.93" (99.8)	4.87" (123.7) SQ	5.50" (139.7) SQ

Note: 20, 30, 60 and 100A devices are dimensionally equivalent to 16, 32, 63 and 125A devices, respectively.



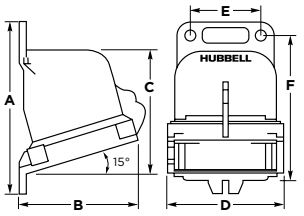
Receptacle

Dimensions in Inches (mm)

Non-Metallic 15º Angle Back Box Dimensions

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Back box for 16, 20, 30 & 32A devices.	1"	5.67" (144.0)	4.44" (112.8)	4.05" (102.9)	3.91" (99.3)	2.35" (59.7)	4.92" (125.0)	30.00"	BB2030N
Back box for 60 & 63A devices.	1-1/4"	7.76" (197.0)	5.16" (131.0)	5.87" (149.0)	4.72" (120.0)	2.99" (76.0)	6.94" (176.0)	70.00"	BB60N
Back box for 100 & 125A devices.	1-1/2"	8.21" (209.0)	6.23" (158.0)	6.31" (160.3)	5.71" (145.0)	3.99" (101.0)	7.41" (188.0)	120.00"	BB100N

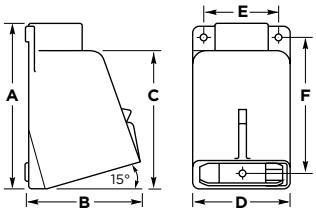
*Note: *Hub is not included; order one of the following Raco® part numbers: 1 inch = 1704, 1-1/4 inch = 1705, 1-1/2 inch = 1706. These boxes meet IP67 requirement and Type 4X requirements when installed with a watertight conduit hub.*



Non-Metallic Angle Box

Metallic 15º Angle Back Box Dimensions

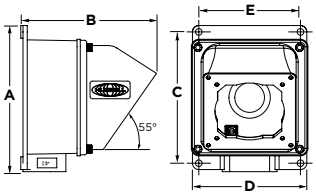
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Back box for 16, 20, 30 & 32A devices.	3/4"	5.12" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	BB201W
Back box for 16, 20, 30 & 32A devices.	1"	5.12" (130.2)	4.00" (101.6)	4.19" (106.4)	3.75" (95.3)	3.00" (76.2)	4.00" (101.6)	30.00"	BB301W
Back box for 60 & 63A devices.	1-1/4"	7.25" (184.2)	5.25" (133.4)	6.00" (152.4)	4.50" (114.3)	3.75" (95.3)	6.19" (157.2)	80.00"	BB601W
Back box for 60 & 63A devices.	1-1/2"	7.25" (184.2)	5.25" (133.4)	6.00" (152.4)	4.50" (114.3)	3.75" (95.3)	6.19" (157.2)	80.00"	BB602W
Back box for 100 &125A devices.	1-1/2"	8.12" (206.4)	6.75" (171.5)	6.88" (174.6)	5.50" (139.7)	4.75" (120.7)	6.94" (176.2)	130.00"	BB1001W
Back box for 100 & 125A devices.	2"	8.12" (206.4)	6.75" (171.5)	6.88" (174.6)	5.50" (139.7)	4.75" (120.7)	6.94" (176.2)	130.00"	BB1002W



Metallic 15º Angle Box

Metallic 55º Angle Back Box and Adapter Dimensions

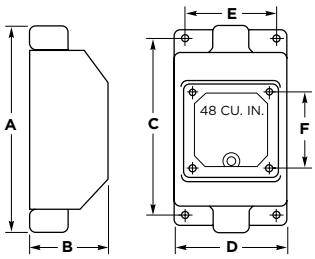
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Feed-thru box and angle adapter for 16, 20, 30 & 32A devices.	1"	6.80" (172.4)	6.60" (167.0)	5.63" (142.9)	4.50" (114.3)	3.74" (95.0)	—	42.27"	AB203055
Angle adapter for 16, 20, 30 & 32A devices.	–	4.89" (124.3)	3.33" (84.6)	4.29" (109.0)	3.75" (95.2)	2.50" (63.5)	—	25.00"	AA203055
Back box and angle adapter for 60, 63, 100 & 125A devices.	1-1/2"	8.50" (215.9)	8.00" (202.9)	7.75" (196.8)	6.90" (174.8)	6.00" (152.4)	—	100.00"	FW6010055
Angle adapter for 60, 63, 100 & 125A devices.	–	6.75" (171.4)	4.48" (113.7)	6.00" (152.4)	6.75" (171.4)	6.00" (152.4)	—	79.00"	AA6010055



Metallic 55º Angle Box

Metallic Feed-Thru Back Box Dimensions

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Feed-thru box for 16, 20, 30 & 32A devices.	3/4"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	FT202W
Feed-thru box for 16, 20, 30 & 32A devices.	1"	8.25" (209.6)	3.06" (77.8)	7.14" (181.4)	4.50" (114.3)	3.75" (95.3)	3.13" (79.5)	48.00"	FT302W

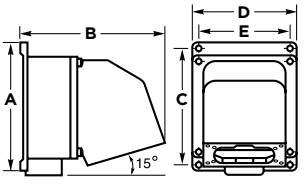


Metallic Feed-Thru Box

Metallic Four-Way 15° Angle Back Box Dimensions

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Cubic Inch Capacity	Catalog Number
Four-way box for 60, 63, 100 & 125A devices.	1-1/2"	8.75" (222.3)	9.75" (247.7)	7.75" (196.9)	6.75" (171.5)	6.00" (152.4)	—	210.00"	FW60100

Note: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint. These boxes withstand a 500-hour salt spray test as well as UL rain tight and external icing test.

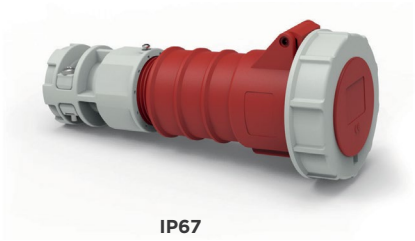


Metallic Four-Way Angle Box

Dimensions in Inches (mm)

Hubbell-PRO Commercial Pin and Sleeve Devices

Hubbell has the IEC Pin and Sleeve Solution — No Matter what Environment or Application! Hubbell-PRO pin and sleeve is value engineered for commercial and light duty applications. Devices are UL certified conforming to IEC 60309, UL 1682 and are dual-rated where applicable. North American devices are offered in 20A, 30A, 60A and 100A; European devices are available in 16A, 32A, 63A and 125A versions. A complete line of watertight and splash proof versions are available. Numerous features provide installation efficiencies including EdgeConnect™ Series spring terminations, glandless water ingress protection, bulk packs and NPT threaded versions for adapter free installations for liquid light applications.



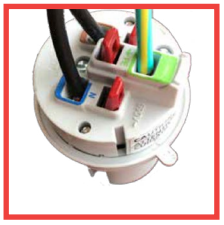
IP67



IP44



Liquid Tight



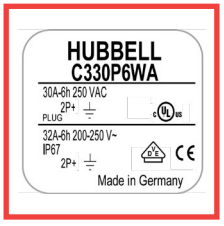
30A/32A EdgeConnect™ Series Spring Terminations

- Strong spring continuously applies pressure as strands relax
- Eliminates timely step of ferrules
- No torque screwdriver required, detents into position to fully close automatically



Glandless Water Ingress Protection –

- Integral and permanently attached to the device
- Available in either IP44 of IP67 water ingress protection



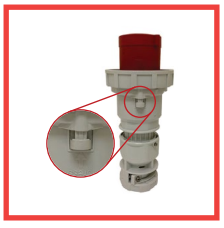
Dual Rated Devices

- Single SKU certified for use in North America and Internationally
- Accepts full range of UL and VDE approved cable



Back Boxes and accessories

- A complete line of metallic and non-metallic back boxes
- Adapter plates allow receptacles and inlets to be mounted to Hubbell IEC Back Boxes



Screwless Two Piece Housing 60A – 125A devices

- Single push tab secures housing & IP67 rating



Liquid Tight Versions:

- Integral NPT threaded back housing directly accepts liquid tight fittings

IP67 SUITABILITY

Watertight Series North American Ratings

Amps	Dual Rated:	Ratings		Watertight IP67 Suitability			
				Inlet*	Connector	Plug	Receptacle
16 & 20	Dual Rated	2P/3W, 20A 250V AC/16A 220-240V		C320B6WA	C320C6WA	C320P6WA	C320R6WA
	—	2P/3W, 20A 480V AC		C320B7WA	C320C7WA	C320P7WA	C320R7WA
	—	3P/4W, 20A 3P 600V		C420B5WA	C420C5WA	C420P5WA	C420R5WA
	Dual Rated	2P/3W, 20A 250V AC/16A 220-240V		C420B6WA	C420C6WA	C420P6WA	C420R6WA
	—	3P/4W, 20A 3P 480V		C420B7WA	C420C7WA	C420P7WA	C420R7WA
	Dual Rated	3P/4W, 16/20A 3P 250 VAC		C420B9WA	C420C9WA	C420P9WA	C420R9WA
	—	4P/5W, 20A 347/600V		C520B5WA	C520C5WA	C520P5WA	C520R5WA
	Dual Rated	4P/5W,16/20A 200-415V AC		C520B6WA	C520C6WA	C520P6WA	C520R6WA
	—	4P/5W, 20A 277/480V		C520B7WA	C520C7WA	C520P7WA	C520R7WA
	Dual Rated	4P/5W,16/20A 120/208V		C520B9WA	C520C9WA	C520P9WA	C520R9WA
30 & 32	Dual Rated	2P/3W, 30A 250V/32A 220-240V		C330B6WA	C330C6WA	C330P6WA	C330R6WA
	—	2P/3W, 30A 480V AC		C330B7WA	C330C7WA	C330P7WA	C330R7WA
	—	3P/4W, 30A 3P 600V		C430B5WA	C430C5WA	C430P5WA	C430R5WA
	Dual Rated	3P/4W, 30/32A 380-415V AC		C430B6WA	C430C6WA	C430P6WA	C430R6WA
	—	3P/4W, 30A 3P 480V		C430B7WA	C430C7WA	C430P7WA	C430R7WA
	Dual Rated	3P/4W, 30/32A 3P 250 VAC		C430B9WA	C430C9WA	C430P9WA	C430R9WA
	—	4P/5W, 30A 347/600V		C530B5WA	C530C5WA	C530P5WA	C530R5WA
	Dual Rated	4P/5W, 30/32A 200-415V AC		C530B6WA	C530C6WA	C530P6WA	C530R6WA
	—	4P/5W, 30A 277/480V		C530B7WA	C530C7WA	C530P7WA	C530R7WA
	Dual Rated	4P/5W, 30/32A 120/208V		C530B9WA	C530C9WA	C530P9WA	C530R9WA
60 & 63	Dual Rated	2P/3W, 60A 250V/63A 220-240V		C360B6WA	C360C6WA	C360P6WA	C360R6WA
	—	2P/3W, 60A 480V AC		C360B7WA	C360C7WA	C360P7WA	C360R7WA
	—	3P/4W, 60A 3P 600V		C460B5WA	C460C5WA	C460P5WA	C460R5WA
	Dual Rated	3P/4W, 60/63A 380-415V AC		C460B6WA	C460C6WA	C460P6WA	C460R6WA
	—	3P/4W, 60A 3P 480V		C460B7WA	C460C7WA	C460P7WA	C460R7WA
	Dual Rated	3P/4W, 60/63A 3P 250 VAC		C460B9WA	C460C9WA	C460P9WA	C460R9WA
	—	4P/5W, 60A 347/600V		C560B5WA	C560C5WA	C560P5WA	C560R5WA
	Dual Rated	4P/5W, 60/63A 200-415V AC		C560B6WA	C560C6WA	C560P6WA	C560R6WA
	—	4P/5W, 60A 277/480V		C560B7WA	C560C7WA	C560P7WA	C560R7WA
	Dual Rated	4P/5W, 60/63A 120/208V		C560B9WA	C560C9WA	C560P9WA	C560R9WA

Note: See page H-14 for Back Boxes and H-25 for product dimensions.
** Adapter plates required for mounting to Hubbell back boxes. 20 & 30A use AP2030, 60A use AP60 and 100A use AP100.*

Dimensions in Inches (mm)

Hubbell-PRO Commercial Pin and Sleeve Devices

IP67 SUITABILITY

Watertight Series North American Ratings (con't)

Amps	Dual Rated:	Ratings		Watertight IP67 Suitability			
				Inlet*	Connector	Plug	Receptacle*
100 & 125	Dual Rated	2P/3W, 100A 250V AC/125A 220-240V		C3100B6WA	C3100C6WA	C3100P6WA	C3100R6WA
	—	2P/3W, 100A 480V AC		C3100B7WA	C3100C7WA	C3100P7WA	C3100R7WA
	—	3P/4W, 100A 3P 600V		C4100B5WA	C4100C5WA	C4100P5WA	C4100R5WA
	Dual Rated	3P/4W, 100/125A 380-415V AC		C4100B6WA	C4100C6WA	C4100P6WA	C4100R6WA
	—	3P/4W, 100A 3P 480V		C4100B7WA	C4100C7WA	C4100P7WA	C4100R7WA
	Dual Rated	3P/4W, 100/125A 3P 250 VAC		C4100B9WA	C4100C9WA	C4100P9WA	C4100R9WA
	—	4P/5W, 100A 347/600V		C5100B5WA	C5100C5WA	C5100P5WA	C5100R5WA
	Dual Rated	4P/5W, 100/125A 200-415V AC		C5100B6WA	C5100C6WA	C5100P6WA	C5100R6WA
	—	4P/5W, 100A 277/480V		C5100B7WA	C5100C7WA	C5100P7WA	C5100R7WA
	Dual Rated	4P/5W, 100/125A 120/208V		C5100B9WA	C5100C9WA	C5100P9WA	C5100R9WA

IP67 SUITABILITY

Watertight Series International Ratings

Amps	Ratings		Watertight IP67 Suitability			
			Inlet*	Connector	Plug	Receptacle*
16A	2P/3W, 16A 220-240V		C316B6WA	C316C6WA	C316P6WA	C316R6WA
	2P/3W, 16A 380-415V		C416B6WA	C416C6WA	C416P6WA	C416R6WA
	4P/5W, 16A 200-415V		C516B6WA	C516C6WA	C516P6WA	C516R6WA
32A	2P/3W, 32A 220-240V		C332B6WA	C332C6WA	C332P6WA	C332R6WA
	3P/4W, 32A 380-480V		C432B3WA	C432C3WA	C432P3WA	C432R3WA
	3P/4W, 32A 380-415V		C432B6WA	C432C6WA	C432P6WA	C432R6WA
	4P/5W, 32A 200-415V		C532B6WA	C532C6WA	C532P6WA	C532R6WA
63A	2P/3W, 63A 220-240V		C363B6WA	C363C6WA	C363P6WA	C363R6WA
	3P/4W, 63A 380-415V		C463B6WA	C463C6WA	C463P6WA	C463R6WA
	4P/5W, 63A 200-415V		C563B6WA	C563C6WA	C563P6WA	C563R6WA
125A	2P/3W, 125A 220-240V		C3125B6WA	C3125C6WA	C3125P6WA	C3125R6WA
	3P/4W, 125A 380-415V		C4125B6WA	C4125C6WA	C4125P6WA	C4125R6WA
	4P/5W, 125A 200-415V		C5125B6WA	C5125C6WA	C5125P6WA	C5125R6WA

Note: See page H-14 for Back Boxes and H-25 for product dimensions.
** Adapter plates required for mounting to Hubbell back boxes. 20& 30A use AP2030, 60A use AP60 and 100A use AP100.*

Dimensions in Inches (mm)

IP44 SUITABILITY

Splashproof Series North American Ratings

Amps		Ratings		Splashproof IP44 Suitability			
				Inlet*	Connector	Plug	Receptacle*
16 & 20	Dual Rated	2P/3W, 20A 250V AC/16A 220-240V		C320B6SA	C320C6SA	C320P6SA	C320R6SA
	—	2P/3W, 20A 480V AC		C320B7SA	C320C7SA	C320P7SA	C320R7SA
	—	3P/4W, 20A 3Ø 600V		C420B5SA	C420C5SA	C420P5SA	C420R5SA
	Dual Rated	2P/3W, 20A 250V AC/16A 220-240V		C420B6SA	C420C6SA	C420P6SA	C420R6SA
	—	3P/4W, 20A 3Ø 480V		C420B7SA	C420C7SA	C420P7SA	C420R7SA
	Dual Rated	3P/4W, 16/20A 3P 250 VAC		C420B9SA	C420C9SA	C420P9SA	C420R9SA
	—	4P/5W, 20A 347/600V		C520B5SA	C520C5SA	C520P5SA	C520R5SA
	Dual Rated	4P/5W,16/20A 200-415V AC		C520B6SA	C520C6SA	C520P6SA	C520R6SA
	—	4P/5W, 20A 277/480V		C520B7SA	C520C7SA	C520P7SA	C520R7SA
	Dual Rated	4P/5W,16/20A 120/208V		C520B9SA	C520C9SA	C520P9SA	C520R9SA
30 & 32	Dual Rated	2P/3W, 30A 250V AC/32A 220-240V		C330B6SA	C330C6SA	C330P6SA	C330R6SA
	—	2P/3W, 30A 480V AC		C330B7SA	C330C7SA	C330P7SA	C330R7SA
	—	3P/4W, 30A 3Ø 600V		C430B5SA	C430C5SA	C430P5SA	C430R5SA
	Dual Rated	3P/4W, 30/32A 380-415V AC		C430B6SA	C430C6SA	C430P6SA	C430R6SA
	—	3P/4W, 30A 3Ø 480V		C430B7SA	C430C7SA	C430P7SA	C430R7SA
	Dual Rated	3P/4W, 30/32A 3P 250 VAC		C430B9SA	C430C9SA	C430P9SA	C430R9SA
	—	4P/5W, 30A 347/600V		C530B5SA	C530C5SA	C530P5SA	C530R5SA
	Dual Rated	4P/5W, 30/32A 200-415V AC		C530B6SA	C530C6SA	C530P6SA	C530R6SA
	—	4P/5W, 30A 277/480V		C530B7SA	C530C7SA	C530P7SA	C530R7SA
	Dual Rated	4P/5W, 30/32A 120/208V		C530B9SA	C530C9SA	C530P9SA	C530R9SA
60 & 63	Dual Rated	2P/3W, 60A 250V AC/63A 220-240V		C360B6SA	C360C6SA	C360P6SA	C360R6SA
	—	2P/3W, 60A 480V AC		C360B7SA	C360C7SA	C360P7SA	C360R7SA
	—	3P/4W, 60A 3Ø 600V		C460B5SA	C460C5SA	C460P5SA	C460R5SA
	Dual Rated	3P/4W, 60/63A 380-415V AC		C460B6SA	C460C6SA	C460P6SA	C460R6SA
	—	3P/4W, 60A 3Ø 480V		C460B7SA	C460C7SA	C460P7SA	C460R7SA
	Dual Rated	3P/4W, 60/63A 3P 250 VAC		C460B9SA	C460C9SA	C460P9SA	C460R9SA
	—	4P/5W, 60A 347/600V		C560B5SA	C560C5SA	C560P5SA	C560R5SA
	Dual Rated	4P/5W, 60/63A 200-415V AC		C560B6SA	C560C6SA	C560P6SA	C560R6SA
	—	4P/5W, 60A 277/480V		C560B7SA	C560C7SA	C560P7SA	C560R7SA
	Dual Rated	4P/5W, 60/63A 120/208V		C560B9SA	C560C9SA	C560P9SA	C560R9SA

Note: See page H-14 for Back Boxes. Dimensions are available online.
** Adapter plates required for mounting to Hubbell back boxes. 20& 30A use AP2030, 60A use AP60 and 100A use AP100.*

Dimensions in Inches (mm)

Hubbell-PRO Commercial Pin and Sleeve Devices

IP44 SUITABILITY

Splashproof Series International Ratings

Amps	Ratings		Inlet	Splashproof IP44 Suitability		
				Connector	Plug	Receptacle
16A	2P/3W, 16A 220-240V		C316B6SA	C316C6SA	C316P6SA	C316R6SA
	2P/3W, 16A 380-415V		C416B6SA	C416C6SA	C416P6SA	C416R6SA
	4P/5W, 16A 200-415V		C516B6SA	C516C6SA	C516P6SA	C516R6SA
32A	2P/3W, 32A 220-240V		C332B6SA	C332C6SA	C332P6SA	C332R6SA
	3P/4W, 32A 380-480V		C432B3SA	C432C3SA	C432P3SA	C432R3SA
	3P/4W, 32A 380-415V		C432B6SA	C432C6SA	C432P6SA	C432R6SA
	4P/5W, 32A 200-415V		C532B6SA	C532C6SA	C532P6SA	C532R6SA
63A	2P/3W, 63A 220-240V		C363B6SA	C363C6SA	C363P6SA	C363R6SA
	3P/4W, 63A 380-415V		C463B6SA	C463C6SA	C463P6SA	C463R6SA
	4P/5W, 63A 200-415V		C563B6SA	C563C6SA	C563P6SA	C563R6SA

c UL US LISTED

Liquid Tight Versions

Amps	Ratings		Liquid Tight Conduit Size	IP67 Connectors	IP44 Connectors	IP67 Plugs*	IP44 Plugs*
30A	5h 3ØY 347/600 V		1/2"	C530C5WLT12	C530C5SLT12	C530P5WA	C530P5SA
30A	5h 3ØY 347/600 V		3/4"	C530C5WLT34	C530C5SLT34	C530P5WA	C530P5SA
30A / 32A	6h 3Ø 200/346-240/415 AC		1/2"	C530C6WLT12	C530C6SLT12	C530P6WA	C530P6SA
30A / 32A	6h 3Ø 200/346-240/415 AC		3/4"	C530C6WLT34	C530C6SLT34	C530P6WA	C530P6SA
30A	7h 3ØY 277/480 V		1/2"	C530C7WLT12	C530C7SLT12	C530P7WA	C530P7SA
30A	7h 3ØY 277/480 V		3/4"	C530C7WLT34	C530C7SLT34	C530P7WA	C530P7SA
30A / 32A	9h 3ØY 120/208 V		1/2"	C530C9WLT12	C530C9SLT12	C530P9WA	C530P9SA
30A / 32A	9h 3ØY 120/208 V		3/4"	C530C9WLT34	C530C9SLT34	C530P9WA	C530P9SA
60A	4h 125 VAC		3/4"	C360C4WLT34	C360C4SLT34	C360P4WA	C360P4SA
60A / 63A	6h 250 VAC		3/4"	C360C6WLT34	C360C6SLT34	C360P6WA	C360P6SA
60A	7h 480 VAC		3/4"	C360C7WLT34	C360C7SLT34	C360P7WA	C360P7SA
60A	5h 3ØY 347/600 V		3/4"	C460C5WLT34	C460C5SLT34	C460P5WA	C460P5SA
60A / 63A	6h 3Ø 200/346-240/415 AC		3/4"	C460C6WLT34	C460C6SLT34	C460P6WA	C460P6SA
60A	7h 3Ø 480 V		3/4"	C460C7WLT34	C460C7SLT34	C460P7WA	C460P7SA
60A / 63A	9h 3ØY 120/208 V		3/4"	C460C9WLT34	C460C9SLT34	C460P9WA	C460P9SA
60A	5h 3ØY 347/600 V		3/4"	C560C5WLT34	C560C5SLT34	C560P5WA	C560P5SA
60A / 63A	6h 3Ø 200/346-240/415 AC		3/4"	C560C6WLT34	C560C6SLT34	C560P6WA	C560P6SA
60A	7h 3ØY 277/480 V		3/4"	C560C7WLT34	C560C7SLT34	C560P7WA	C560P7SA
60A / 63A	9h 3ØY 120/208 V		3/4"	C560C9WLT34	C560C9SLT34	C560P9WA	C560P9SA

Note: Dimensions available online.

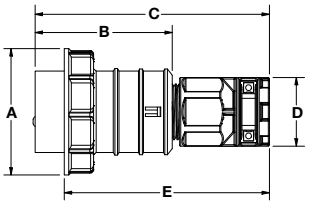
** Mating plugs are certified for installation on cable only.*

Dimensions in Inches (mm)

Watertight Series

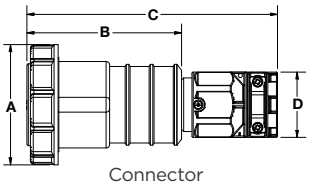
IP67 SUITABILITY

Plug	A Inches (mm)	B Inches (mm)	C Inches (mm)	D Inches (mm)	E Inches (mm)
C320P	2.78″ (70)	3.62″ (94)	5.98″ (152)	1.73″ (44)	5.20″ (132)
C420P	2.78″ (70)	3.07″ (94)	6.03″ (160)	1.73″ (44)	5.39″ (137)
C520P	3.41″ (86)	3.61″ (92)	6.34″ (161)	1.85″ (47)	5.55″ (141)
C330P, C430P	3.07″ (94)	4.49″ (114)	8.03″ (204)	2.32″ (59)	6.81″ (173)
C530P	4.00″ (101)	4.49″ (114)	8.11″ (206)	2.32″ (59)	6.73″ (171)
C360P, C460P, C560P	4.47″ (114)	6.00″ (153)	10.24″ (260)	2.83″ (72)	8.19″ (208)
C3100P, C4100P, C5100P	4.94″ (126)	6.73″ (171)	12.13″ (308)	3.58″ (91)	9.88″ (251)
C316P	2.78″ (70)	3.62″ (94)	5.21″ (132)	1.73″ (44)	4.53″ (115)
C416P	2.78″ (70)	3.62″ (94)	5.21″ (132)	1.85″ (47)	4.3″ (109)
C516P	3.41″ (86)	3.62″ (94)	5.43″ (138)	1.73″ (44)	4.26″ (108)
C332P, C432P	3.07″ (94)	4.49″ (114)	6.54″ (166)	2.32″ (59)	5.44″ (138)
C532P	4.00″ (101)	4.49″ (114)	6.54″ (166)	2.32″ (59)	5.16″ (131)
C363P, C463P, C563P	4.47″ (114)	6.00″ (153)	8.44″ (214)	2.83″ (72)	6.39″ (162)
C3125P, C4125P, C5125P	4.94″ (126)	6.73″ (171)	9.77″ (248)	3.58″ (91)	7.52″ (191)



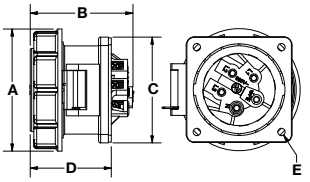
Plug

Connector					
C320C	2.78″ (70)	4.29″ (109)	6.77″ (172)	1.73″ (44)	
C420C	3.09″ (78)	4.29″ (109)	6.89″ (175)	1.85″ (47)	
C520C	3.41″ (86)	4.41″ (112)	7.02″ (183)	1.73″ (44)	
C330C, C430C	3.7″ (94)	5.35″ (136)	8.78″ (223)	2.32″ (59)	
C530C	4.00″ (101)	5.35″ (136)	8.98″ (228)	2.32″ (59)	
C360P, C460P, C560P	4.37″ (111)	6.85″ (174)	11.06″ (285)	2.83″ (72)	
C3100C, C4100C, C5100C	4.92″ (125)	7.44″ (189)	12.83″ (326)	3.58″ (91)	
C316C	2.78″ (70)	4.29″ (109)	5.88″ (149)	1.73″ (44)	
C416C	3.07″ (94)	4.29″ (109)	5.88″ (149)	1.85″ (47)	
C516C	4.00″ (101)	4.41″ (112)	6.22″ (157)	1.73″ (44)	
C332C, C432C	4.37″ (111)	5.35″ (136)	7.44″ (187)	2.32″ (59)	
C532C	4.37″ (111)	5.35″ (136)	7.04″ (187)	2.32″ (59)	
C363C, C463C, C563C	4.37″ (111)	6.85″ (174)	9.29″ (235)	2.83″ (72)	
C3125C, C4125C, C5125C	4.92″ (125)	7.44″ (189)	10.48″ (266)	3.58″ (91)	



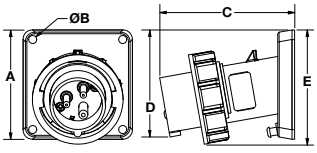
Connector

Receptacle					
C316R, C320R	2.78″ (70)	2.83″ (72)	2.95″ (75)	2.17″ (55)	0.22″ (5)
C416R, C420R	3.09″ (78)	3.23″ (82)	2.95″ (75)	2.24″ (57)	0.22″ (5)
C516R, C520R	3.39″ (86)	2.83″ (72)	2.95″ (75)	2.17″ (55)	0.22″ (5)
C330R, C430R, C332R, C432R	3.07″ (94)	4.25″ (108)	2.95″ (75)	2.68″ (68)	0.22″ (5)
C530R, C532R	3.98″ (101)	4.33″ (110)	2.95″ (75)	2.52″ (64)	0.22″ (5)
All 60A & 63A	4.37″ (111)	5.02″ (132)	3.94″ (100)	2.95″ (75)	0.26″ (6)
All 100 & 125A	4.92″ (125)	6.42″ (163)	4.72″ (120)	4.53″ (115)	0.28″ (7)



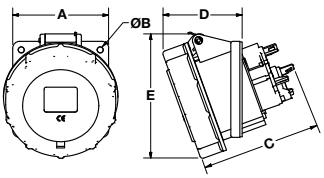
Receptacle

Inlet					
C316B, C320B	3.35″ (85)	0.25″ (6)	4.06″ (103)	3.31″ (84)	3.05″ (89)
C416B, C420B	3.35″ (85)	0.25″ (6)	4.29″ (109)	3.46″ (88)	3.07″ (94)
C516B, C520B	3.35″ (85)	0.25″ (6)	4.53″ (115)	3.66″ (93)	3.09″ (99)
C330B, C430B, C332B, C432B	3.35″ (85)	0.25″ (6)	4.72″ (120)	3.78″ (96)	4.06″ (103)
C530B, C532B	3.35″ (85)	0.25″ (6)	5.28″ (134)	4.17″ (106)	4.45″ (113)
All 60A & 63A	3.94″ (100)	0.26″ (7)	6.01″ (155)	4.65″ (118)	4.92″ (125)
All 100 & 125A	4.72″ (120)	0.26″ (7)	5.91″ (150)	5.12″ (130)	5.35″ (136)



Inlet
Front & Side View

Angled Receptacle					
C316AR, C320AR	2.44″ (62)	0.22″ (5)	3.23″ (82)	2.09″ (53)	3.19″ (81)
C416AR, C420AR	3.62″ (92)	0.22″ (5)	3.27″ (83)	2.02″ (56)	3.43″ (87)
C516AR, C520AR	3.35″ (85)	0.22″ (5)	3.46″ (88)	2.32″ (59)	3.82″ (97)
C330AR, C332AR, C430AR, C432AR	3.35″ (85)	0.22″ (5)	4.76″ (121)	2.72″ (69)	4.02″ (102)
C530AR, C532AR	3.35″ (85)	0.22″ (5)	4.61″ (117)	2.72″ (69)	4.37″ (111)
All 60AR	4.49″ (114)	0.26″ (6)	5.67″ (144)	3.15″ (80)	4.69″ (119)
All 100AR	4.49″ (114)	0.26″ (6)	6.81″ (173)	3.05″ (89)	5.28″ (134)



Angled Receptacle
Front & Side View

Dimensions in Inches (mm)

Unfused Circuit-Lock® Pin & Sleeve Mechanical Interlocks

Features and Benefits

IP67
SUITABILITY

The National Electrical Code (NEC®) requires a separate disconnect means within sight of all motor loads. The NEC requires the disconnecting means in a motor-circuit be listed as "Suitable as Motor Disconnect" if the motor is rated greater than 2 HP.

Hubbell's revolutionary Circuit-Lock interlock incorporates the disconnect switch and receptacle in one compact, non-metallic and economical unit. Removing the plug and locking it out provides a visual means of verifying equipment has been disconnected. All Circuit-Lock mechanical interlocks can be locked out as a method of compliance with the OSHA Lockout/Tagout regulation.

The switch cannot be turned ON until the plug is completely engaged, and the plug cannot be removed until the switch is turned OFF. At the same time, it eliminates the possibility of making or breaking the circuit under load or making a casual or "lazy" connection. The non-metallic enclosure can be connected to the metallic conduit and not interfere with the ground continuity.

In addition, these horsepower rated units are durable, watertight and easy to install. And they are compatible with IEC 60309-2 plugs. These Circuit-Lock units are available in 20, 30, 60 and 100A models, and in 3, 4 and 5 wire configurations that are designed to the IEC 60309-1 and 60309-2 standards.

Hubbell's Circuit-Lock Mechanical Interlocks are also available in "Reverse Service" versions. These units incorporate the disconnect switch and reverse service receptacle (inlet) in one compact, non-metallic and economical unit. These units are available in 30, 60 and 100A models, 4 wire configurations.





Housing Design

- Insulated non-metallic housing, super tough, non-conductive and chemical resistant for heavy duty industrial environments
- IEC pin and sleeve devices are color coded by voltage for easy identification
- Self-closing gasketed cover, detents into position to fully close automatically



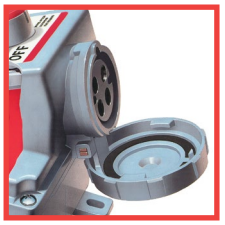
Interior Design

- Large gears enclosed in a gear box assembled on one plane to eliminate possible gear jumping
- Horsepower rated disconnect switch handles large motor loads
- DIN rail mounted switch for easy installation and replacement



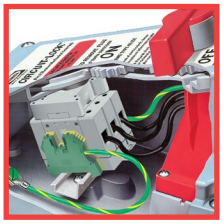
Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- Two-stage interlocking mechanism to help defeat tampering
- Watertight conduit hub and grounding plate included for use on metallic conduit (IP67 suitability)



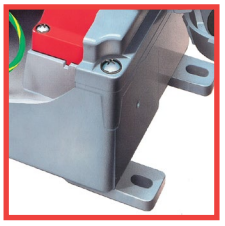
Liftcover

- Replaceable spring-loaded liftcover with gasket for a watertight seal
- Pre-wired IEC Pin and Sleeve receptacle
- Reverse service has dependable solid brass pins for longer life and reliable electrical contact



Identification

- Color coded rating pad and receptacle mount to signify voltage



Installation

- Three molded-in conduit drill points are located on top, bottom and back surface of enclosure
- Adjustable mounting feet are ductile to allow mounting on irregular surfaces

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Unfused Circuit-Lock® Pin & Sleeve Mechanical Interlocks

IP67 SUITABILITY — ENCLOSURE TYPE 4X, 12

Rating					Unfused Circuit-Lock® Devices		Reverse Service	
Amps	Poles and Wires	Configuration Recep. Plug		AC Voltage	 Mechanical Interlock	 Mating Plug	 Mechanical Interlock	 Mating Plug
20	3P 4W			120/240V	HBL420MI12W	HBL420P12W	—	—
	3P 4W			3Ø 240V	HBL420MI9W	HBL420P9W	—	—
	3P 4W			3Ø 480V	HBL420MI7W	HBL420P7W	—	—
	3P 4W			3Ø 600V	HBL420MI5W	HBL420P5W	—	—
30	2P 3W			120V	HBL330MI4W	HBL330P4W	—	—
	2P 3W			240V	HBL330MI6W	HBL330P6W	—	—
	2P 3W			480V	HBL330MI7W	HBL330P7W	—	—
	3P 4W			120/240V	HBL430MI12W	HBL430P12W	—	—
	3P 4W			3Ø 240V	HBL430MI9W	HBL430P9W	HBL430MI9WR	HBL430P9WR
	3P 4W			3Ø 480V	HBL430MI7W	HBL430P7W	HBL430MI7WR	HBL430P7WR
	3P 4W			3Ø 600V	HBL430MI5W	HBL430P5W	HBL430MI5WR	HBL430P5WR
	4P 5W			3ØY 120/208V	HBL530MI9W	HBL530P9W	—	—
	4P 5W			3ØY 277/480V	HBL530MI7W	HBL530P7W	—	—
	4P 5W			3ØY 347/600V	HBL530MI5W	HBL530P5W	—	—
32	3P 4W			380V 50HZ- 440V 60Hz	HBL432MI3W	HBL432P3W	—	—
60	2P 3W			120V	HBL360MI4W	HBL360P4W	—	—
	2P 3W			240V	HBL360MI6W	HBL360P6W	—	—
	2P 3W			480V	HBL360MI7W	HBL360P7W	—	—
	3P 4W			120/240V	HBL460MI12W	HBL460P12W	HBL460MI12WR	HBL460P12WR
	3P 4W			3Ø 240V	HBL460MI9W	HBL460P9W	HBL460MI9WR	HBL460P9WR
	3P 4W			3Ø 480V	HBL460MI7W	HBL460P7W	HBL460MI7WR	HBL460P7WR
	3P 4W			3Ø 600V	HBL460MI5W	HBL460P5W	HBL460MI5WR	HBL460P5WR
	4P 5W			3ØY 120/208V	HBL560MI9W	HBL560P9W	—	—
	4P 5W			3ØY 277/480V	HBL560MI7W	HBL560P7W	—	—
	4P 5W			3ØY 347/600V	HBL560MI5W	HBL560P5W	—	—
100	2P 3W			240V	HBL3100MI6W	HBL3100P6W	—	—
	3P 4W			120/240V	HBL4100MI12W	HBL4100P12W	HBL4100MI12WR	HBL4100P12WR
	3P 4W			3Ø 240V	HBL4100MI9W	HBL4100P9W	HBL4100MI9WR	HBL4100P9WR
	3P 4W			3Ø 480V	HBL4100MI7W	HBL4100P7W	HBL4100MI7WR	HBL4100P7WR
	3P 4W			3Ø 600V	HBL4100MI5W	HBL4100P5W	HBL4100MI5WR	HBL4100P5WR
	4P 5W			3ØY 120/208V	HBL5100MI9W	HBL5100P9W	—	—

Note: 20, 30 and 32A – 1 inch NPT hub supplied; 60 and 100A – 1-1/4 inch hub supplied.

Dimensions in Inches (mm)

Accessories and Dimensions

Auxiliary Contacts for 20, 30, 32, 60 and 100A Switch, NEMA A600 Pilot Duty

Description	Catalog Number
"Break After Main Break", 1 set of n/o contacts, 1 set of n/c contacts.	HBLAC1
"Break Before Main Break", 1 set of n/o contacts.	HBLAC2


HBLAC1


HBLAC2

Ground Block

Description	Catalog Number
For 20, 30 and 32A switches.	HBL30RGB
For 60 and 100A switches.	HBL60100RGB

Neutral Block

Description	Catalog Number
For 20, 30 and 32A switches.	HBL30RNB
For 60A switches.	HBL60RNB
For 100A switches.	HBL100RNB



HBL30RGB HBL30RNB

Watertight Closure Plug Kits

Description	Catalog Number
For 20, 30 and 32A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	MICPK30
For 60 and 100A Circuit-Lock Unfused and Fused Pin and Sleeve mechanical interlocks.	MICPK60


MICPK30

Replacement Flip Covers

Description	Catalog Number
For 20A mechanical interlocks.	CA420MI
For 30 and 32A, 3 and 4 wire mechanical interlocks.	CA3430MI
For 30A, 5 wire mechanical interlocks.	CA530MI
For 60A mechanical interlocks.	CA60MI
For 100A mechanical interlocks.	CA100MI


CA3430MI

Replacement Switches

Description	Catalog Number
For 20A mechanical interlocks.	HBLDS3RS
For 30 and 32A mechanical interlocks.	HBL30MIRS
For 60 and 100A mechanical interlocks.	HBLDS60100RS


HBL30MIRS

Replacement Mounting Feet

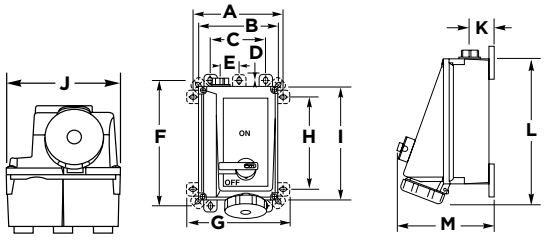
Description	Catalog Number
For 20, 30, 32, 60 and 100A mechanical interlocks.	HBLRFT2*


HBLRFT2

*Note: *Package of 10 feet and 10 screws. **30 and 32A, 3 and 4W = 11.50" (292.1); 30A, 5W = 11.59" (294.4).*

Dimensions

KEY	20A and 30A Inches (mm)		60A Inches (mm)		100A Inches (mm)	
A	7.75"	(196.9)	7.75"	(196.9)	7.75"	(196.9)
B	6.87"	(174.5)	6.87"	(174.5)	6.87"	(174.5)
C	4.75"	(120.7)	4.75"	(120.7)	4.75"	(120.7)
D	1.02"	(25.9)	1.02"	(25.9)	1.02"	(25.9)
E	1.60"	(40.6)	1.46"	(37.1)	1.46"	(37.1)
F	11.00"	(279.4)	12.75"	(323.9)	12.75"	(323.9)
G	8.75"	(222.3)	8.75"	(222.3)	8.75"	(222.3)
H	8.00"	(203.2)	9.75"	(247.7)	9.75"	(247.7)
I	10.12"	(257.0)	11.87"	(301.5)	11.87"	(301.5)
J	6.88"	(174.8)	6.88"	(174.8)	6.88"	(174.8)
K	1.93"	(49.0)	2.09"	(53.1)	2.09"	(53.1)
L	11.25"	(285.8)**	13.65"	(346.7)	13.65"	(346.7)
M	7.75"	(196.9)	8.60"	(218.4)	9.30"	(236.2)
HUB SIZE	1.00" NPT		1.25" NPT		1.25" NPT	



Dimensions in Inches (mm)

Typical Specifications

Manufacturer's Identification	Hubbell HBL430MI7W
Description	Circuit-Lock® Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	30A, 480V AC, 3 Phase
Configuration	IEC 60309-2, UL1686 C2, Clock position 7
Enclosure Type	Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids)
Ingress Protection	IP67 Suitability
Enclosure Material	Non-metallic, enclosure suitable for metallic conduit
Certification	UL Listed, CSA Certified

Note: This device provides on/off switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected while the receptacle is energized. The switch cannot be turned "ON" until the plug is inserted properly, and the plug cannot be removed until the switch is turned "OFF."

Materials

Part	Material	Part	Material
Base	PBT	Top	PBT
Handle	PBT	Conduit Hub	Zinc
Enclosure Gasket	Neoprene	Shaft	PBT
Shaft Seal	Neoprene	Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel 300 Series	Enclosure Inserts	Brass
Hinge Pins	Nickel Plated Brass	Hinge Spring	Stainless Steel 300 Series

Performance

Electrical

Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC RMS.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 10,000 RMS symmetrical amperes at the voltage rating of the receptacle. 20A and 30A models: Suitable for use on a circuit capable of delivering not more than 65,000 RMS symmetrical amperes, 600V when protected by class "J" fuses rated 30A.
Operations	Mechanical 10,000 cycles, electrical 6,000 cycles.

Mechanical

Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Identification	Identification and ratings are part of the external label and molded into the receptacle mount.
Mounting	External adjustable feet.

Environmental

Moisture Resistance	Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling Dirt and Noncorrosive Liquids).
Ingress Protection	IP69K Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperature	Max. Continuous +75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.

Horsepower Ratings

Amps	AC Voltage Rating	Horsepower	Mechanical Interlock	Mating Plug
20	120/240V AC	2	HBL420MI12W	HBL420P12W
20	3Ø 240V AC	5	HBL420MI9W	HBL420P9W
20	3Ø 480V AC	10	HBL420MI7W	HBL420P7W
20	3Ø 600V AC	10	HBL420MI5W	HBL420P5W
30	120V AC	2	HBL330MI4W	HBL330P4W
30	240V AC	3 (208-240V AC)	HBL330MI6W	HBL330P6W
30	480V AC	7.5	HBL330MI7W	HBL330P7W
30	120/240V AC	3 (208-240V AC)	HBL430MI12W	HBL430P12W
30	3Ø 600V AC	20	HBL430MI5W	HBL430P5W
30	3Ø 480V AC	15	HBL430MI7W	HBL430P7W
30	3Ø 250V AC	7.5	HBL430MI9W	HBL430P9W
30	3ØY 347/600V AC	20	HBL530MI5W	HBL530P5W
30	3ØY 277/480V AC	15	HBL530MI7W	HBL530P7W
30	3ØY 120/208V AC	5	HBL530MI9W	HBL530P9W
32	380V AC 50Hz – 440V AC 60Hz	15 (440V AC 3Ø 60Hz)	HBL432MI3W	HBL432P3W
60	120V AC	3	HBL360MI4W	HBL360P4W
60	240V AC	7.5 (208-240V AC)	HBL360MI6W	HBL360P6W
60	480V AC	20	HBL360MI7W	HBL360P7W
60	120/240V AC	7.5 (208-240V AC)	HBL460MI12W	HBL460P12W
60	3Ø 600V AC	40	HBL460MI5W	HBL460P5W
60	3Ø 480V AC	30	HBL460MI7W	HBL460P7W
60	3Ø 250V AC	15	HBL460MI9W	HBL460P9W
60	3ØY 347/600V AC	40	HBL560MI5W	HBL560P5W
60	3ØY 277/480V AC	30	HBL560MI7W	HBL560P7W
60	3ØY 120/208V AC	15	HBL560MI9W	HBL560P9W
100	240V AC	15 (10 @ 208V AC)	HBL3100MI6W	HBL3100P6W
100	120/240V AC	15	HBL4100MI12W	HBL4100P12W
100	3Ø 600V AC	50	HBL4100MI5W	HBL4100P5W
100	3Ø 480V AC	50	HBL4100MI7W	HBL4100P7W
100	3Ø 250V AC	25 (208-240V AC)	HBL4100MI9W	HBL4100P9W
100	3ØY 120/208V AC	20	HBL5100MI9W	HBL5100P9W

Dimensions in Inches (mm)

Fused Circuit-Lock® Pin & Sleeve Mechanical Interlocks

Features and Benefits

TYPE 4X

Hubbell Circuit-Lock® Pin and Sleeve Mechanical Interlocks are a revolutionary design that incorporates a disconnect switch and pin and sleeve receptacle in a compact non-metallic unit. These devices offer maximum safety by preventing users from mating or breaking a circuit under load—Hubbell's interlock mechanism detects the presence of a plug and prevents it from being removed when the switch is in the "ON" position.



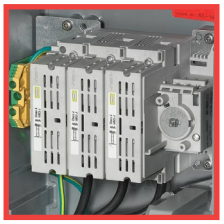
It features a high visibility red handle that can be locked in the OFF position to meet OSHA lockout/tagout regulations. The enclosure door can be locked to prevent unauthorized access. The rugged, corrosion-resistant Type 4X PBT enclosure features adjustable mounting feet for flexible installation, while the receptacle's spring-loaded cover with gasket is dust tight and provides a watertight seal when turned and locked.

The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF.



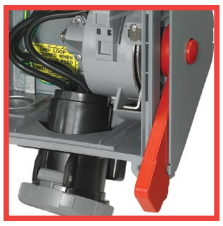
Housing Design

- Non-metallic enclosure meets UL 50E Type 4X (watertight), 12 (dust-tight) and IP66 suitability requirements; enclosure is molded of rugged thermoplastic PBT to resist abuse, corrosion and enhance safety
- Stainless steel 1/4 turn door fasteners for quick, easy access to fuses



Interior Design

- Compact Fused Disconnect Switch accepts Class "J" fuses; fuse holders are top mounted for easy access
- The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers



Safety

- High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements; accepts up to a 5/16 inch padlock shackle
- Replaceable spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked



Contact Carrier

- Thermoplastic contact carrier provides resistance to electrical tracking and withstands higher temperatures
- Thermoplastic properties provide excellent dimensional stability, low moisture absorption and superior dielectric strength



Enclosure Door

- Removable door for ease of wiring and installation
- Enclosure door can be locked to prevent unauthorized access; additionally, if the switch is ON, the door cannot be opened



Installation

- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure; conduit hub provided: 30A 1 in. NPT, 60A 1-1/4 in. NPT
- Conduit hub and adjustable mounting feet (4) are ductile to allow mounting on irregular surfaces

Fused Circuit-Lock® Pin & Sleeve Mechanical Interlocks

ENCLOSURE TYPE 4X

Rating					Fused Circuit-Lock® Devices	
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	Mechanical Interlock	Mating Plug
30	3P 4W			120/240V	HBL430MIF12W	HBL430P12W
	3P 4W			3Ø 240V	HBL430MIF9W	HBL430P9W
	3P 4W			3Ø 480V	HBL430MIF7W	HBL430P7W
	3P 4W			3Ø 600V	HBL430MIF5W	HBL430P5W
	4P 5W			3ØY 277/480V	HBL530MIF7W	HBL530P7W
60	3P 4W			120/240V	HBL460MIF12W	HBL460P12W
	3P 4W			3Ø 240V	HBL460MIF9W	HBL460P9W
	3P 4W			3Ø 480V	HBL460MIF7W	HBL460P7W
	3P 4W			3Ø 600V	HBL460MIF5W	HBL460P5W
	4P 5W			3ØY 120/208V	HBL560MIF9W	HBL560P9W

Note: 30A – 1 inch NPT hub supplied; 60A – 1-1/4 inch hub supplied.



HBL430MIF12W

Gray Style Switch


HBL30MIFRS

Replacement Auxiliary Contacts

Description	Gray Style Switch Catalog Number
Auxiliary contact, normally open, A600 pilot duty, break before break.	HBLACFSNO
Auxiliary contact, normally closed, A600 pilot duty, break before break.	HBLACFSNC


HBLACFSNO

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeble. All new installations are shipped with gray style switch.

Replacement Switches

Description	Gray Style Switch Catalog Number
For 30A fused switches.	HBL30MIFRS
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	HBL60MIFRS

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK30
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	MICPK60


MICPK30

Replacement Flip Covers

Description	Catalog Number
For 30A, 3 and 4 wire mechanical interlocks.	CA3430MI
For 30A, 5 wire mechanical interlocks.	CA530MI
For 60A mechanical interlocks.	CA60MI


CA3430MI

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	HBLRFT2Δ

Note: ΔPackage of 10 feet and 10 screws.


HBLRFT2

Dimensions in Inches (mm)

Specifications and Performance

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell HBL460MIF7W
Description	Fused Circuit-Lock Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	60A, 480V AC, 3 Phase
Configuration	IEC 60309-2, UL1686C2, Clock Position 7
Enclosure Type	Indoor and Outdoor - 4X (Watertight, Washdown) Indoor - 12 (Dust-tight, Falling dirt)
Certification	UL Listed for US and Canada

Materials

Part	Material
Base and Top	PBT
Handle	PBT
Conduit Hub	Zinc, 30A-1", 60A-1-1/4" NPT
Enclosure Gasket	Neoprene
Shaft	Brass
Shaft Seal	Neoprene
Ground Plate	Galvanized Steel
Enclosure Screws	Stainless Steel
Mounting Inserts	Brass
Hinge Pin	Nickel-Plated Brass
Hinge Spring	Stainless Steel

Note: This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the fuse door opened while the receptacle is energized. The switch cannot be turned on until the plug is inserted properly.

Performance

Electrical	
Dielectric Voltage	Withstands 3,000V AC Min.
Max. Working Voltage	600V AC.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle.
Operations	Mechanical 10,000 cycles minimum.

Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Ratings	Ratings are part of the external label and molded into the receptacle mount and color-coded.
Mounting	External adjustment feet.

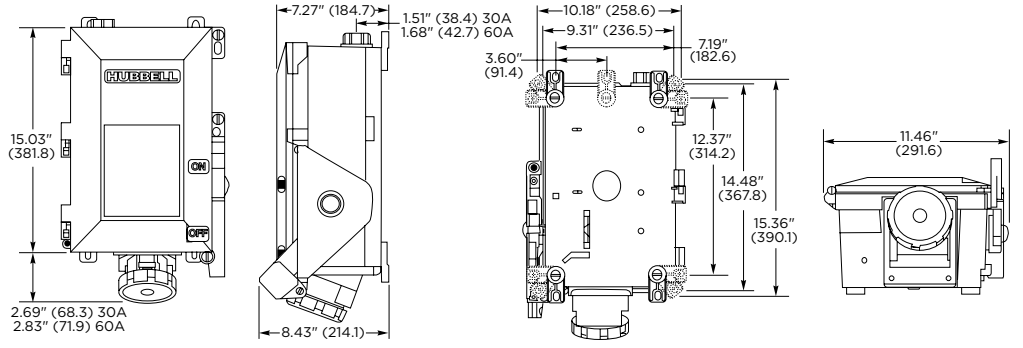
Environmental	
Moisture Resistance	Indoor and Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling dirt).
Ingress Protection	IP66 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperatures	Max. Continuous +75°C; Min. Continuous -40°C.
UV Resistance	All materials are UV stabilized.
Fuse Types	UL Listed Class "J". CSA Certified HRCI-J.

Horsepower Ratings

Amps	AC Voltage Rating	Standard	Maximum**	Mechanical Interlock	Use Pin and Sleeve Plug
30	3Ø 600V AC	7.5	20	HBL430MIF5W	HBL430P5W
30	3Ø 480V AC	5	15	HBL430MIF7W	HBL430P7W
30	3Ø 240V	3	7.5	HBL430MIF9W	HBL430P9W
30	120/240V AC	1.5*	3*	HBL430MIF12W	HBL430P12W
30	3ØY 277/480V	5	15	HBL530MIF7W	HBL530P7W
60	3Ø 600V AC	15	50	HBL460MIF5W	HBL460P5W
60	3Ø 480V AC	15	30	HBL460MIF7W	HBL460P7W
60	3Ø 240V AC	7.5	15	HBL460MIF9W	HBL460P9W
60	120/240V AC	3*	10*	HBL460MIF12W	HBL460P12W
60	3ØY 120/208V	7.5	15	HBL560MIF9W	HBL560P9W

*Note: *208-240V AC L-L.*
***Requires time delay fuses.*

Dimensions



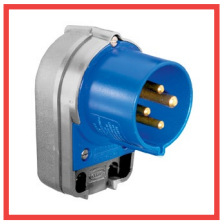
Dimensions in Inches (mm)

Features and Benefits

Hubbell's Low Profile Pin and Sleeve devices were designed to save space without sacrificing pin and sleeve strength, safety and convenience. The small compact design of these plugs is ideal for indoor applications where space is at a premium.

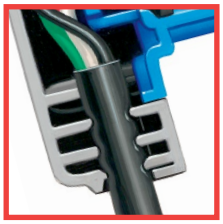
These devices are fully interchangeable with standard IEC 60309 pin and sleeve. They are a perfect fit for tight situations frequently found in hotels, restaurants, convention centers, warehouses, assembly benches and offices.





Housing Design

- Nylon construction, both interior and exterior are made of tough, durable nylon
- Shrouded, recessed pins are protected from impact and abuse



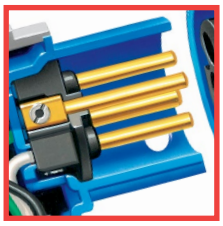
Cord Grip

- Integrated cord grip limits strain on terminals, keeps cord connected



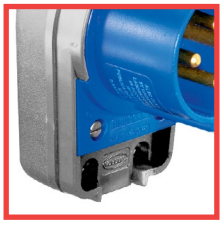
Safety

- Large markings for easy recognition results in ease of wiring on the assembly line or in the field
- Shroud protects personnel from exposure to arcing



Brass Box Terminal

- Permits high clamping pressure on conductors without damaging wire strands for best electrical conductivity
- Solid one-piece pins construction, for long life, reliable electrical contact and maximum conductivity



Identification

- Color coding for quick, easy visual identification of mating devices
- Ratings and certification are molded into the nylon housing for easy identification and reordering



Split Sleeves

- Self-adjusting stainless steel springs assure constant contact pressure (20A and 30A). On 60A ddevices; beryllium copper insert with multiple contact points assures easy insertion and a tight fit
- Stainless steel terminal screws resist rust and corrosion

Low Profile Devices

Rating					Devices		Cord Diameter
Amps	Poles and Wires	Configuration Recep./ Conn.	Plug/ Inlet	AC Voltage	Plug	Receptacle	Min. Max. Inches (mm)
30	3P 4W			125/250V	**L430P12**	**L430R12**	.390" - .775" (9.9 - 19.7)
30	3P 4W			3Ø 250V	**L430P9**	**L430R9**	.390" - .775" (9.9 - 19.7)
Amps	**Poles and Wires**	**Configuration Recep./ Conn.**	**Plug/ Inlet**	**AC Voltage**	**Plug**	**Receptacle**	**Min. Max. Inches (mm)**
60	3P 4W			3Ø 250V	**A460P9**	**A460R9** With Cover:**A460R9KIT**	.75" - 1.25" (19.1 - 31.8)
Amps	**Poles and Wires**	**Configuration Recep./ Conn.**	**Plug/ Inlet**	**AC Voltage**	**Plug**	**Receptacle**	**Min. Max. Inches (mm)**
60	4P 5W			3ØY 120/208V	**A560P9**	**HBL560R9W**	.89" - 1.42" (22.6 - 36.1)
100	4P 5W			3ØY 120/208V	**A5100P9**	**HBL5100R9W**	1.34" - 1.50" (34.0 - 38.1)

Specifications

Electrical

Dielectric Withstand Voltage	3,000V AC
Max. Working Voltage	250V RMS
Current Interrupting	Certified for current interruption at full rated current
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%
Endurance	Up to 5,000 connect and disconnect cycles at full rated current and voltage

Mechanical

Impact Resistance	Per CSA C22.2 No. 182.1 / UL1682
Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL standard 62, CSA C22.2 No. 49 and the <HAR> European Standards
Terminal Identification	Terminals identified in accordance with North American convention
Product Identification	Ratings are a permanent part of the device housing

Environmental

Flammability	HB or better per UL94 or CSA C22.2 No. 0.17
Ingress Protection	IP22 Suitability
Operating Temperatures	Maximum Continuous 75° C; Minimum -40°C without impact

Application Guide

Agriculture	Indoor location and maintenance.
Chemical Processing	Indoor location and maintenance.
Construction	Indoors for added safety and abuse resistance.
Entertainment	Indoor location and maintenance.
Food Service	Food service areas where aesthetics and space are concerns.
Light Manufacturing	Indoor locations and maintenance.
Manufacturing	Light assembly areas, stamping operations and maintenance areas.
Military	Warehouse and maintenance areas.

Materials

Plug	Material
Case	PBT
Shroud	PBT
Pin Carrier 20 & 30A Pin and Carrier 60A	PBT High-Impact Thermoset Brass
Pins	CDA#360
Assembly Screws	Stainless Steel (300 series) Stainless
Terminal Screws	Steel (300 series)

Receptacle

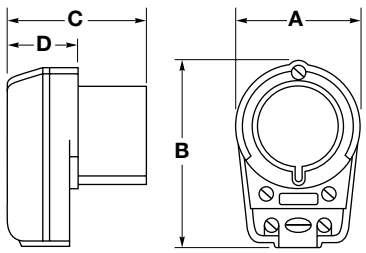
Body	PBT
Sleeve Carrier 20 & 30A	PBT
Sleeve Carrier 60A	High-Impact Thermoset
Sleeves	Brass CDA #360
Assembly Screws	Stainless Steel (300 series)
Terminal Screws	Stainless Steel (300 series)
Adapter Plate 20 & 30A	Galvanized Steel
Adapter Plate 60A	Aluminum
Wall Trim Plate	PBT
Panel Mount Trim Plate	Stainless Steel (300 series)

Dimensions in Inches (mm)

Plug Dimensions

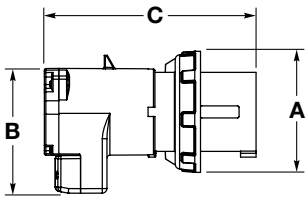
Type	A	B	C	D	Cord Range Diameter
L430P12	2.97″ (75.4)	4.18″ (106.2)	3.50″ (88.9)	1.71″ (43.4)	.390″-.775″ (9.9-19.7)
A460P9	3.38″ (85.9)	4.25″ (108.0)	7.00″ (177.8)	—	.75″-1.25″ (19.1- 31.8)
A5100P9	4.92″ (125.00)	5.07″ (128.81)	8.60″ (218.35)	—	1.34″-1.50″ (34.0- 38.1)

Plugs

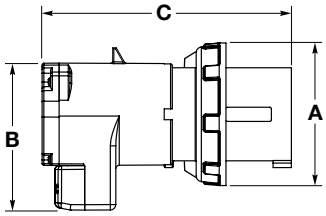


30A

Angled Plugs



60A

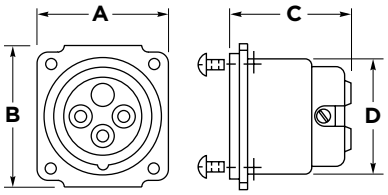


100A

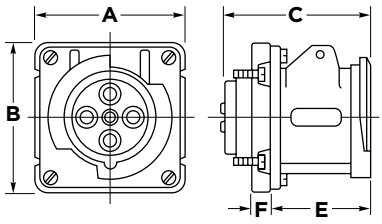
Wall Mount Receptacle Dimensions

Type	A	B	C	D	E	F
L430R12	3.12″ (79.2)	3.12″ (79.2)	2.77″ (70.4)	2.76″ (70.1)	—	—
A460R9	4.50″ (114.3)	4.50″ (114.3)	4.48″ (113.8)	—	3.62″ (91.9)	.50″ (12.7)

Wall Mount Receptacles

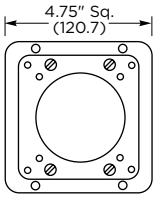


30A

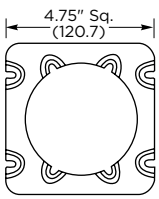


60A

Adapter Plate (Included with “L” and “A” series receptacles)

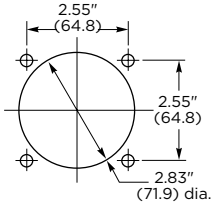


30A
Mounting
2-gang box



60A
Mounting
2-gang box
and 4-11/16″ box

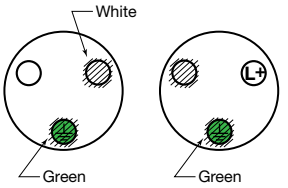
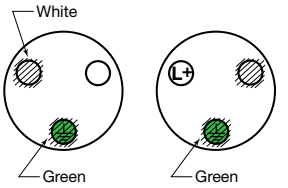
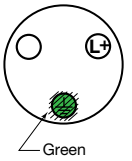
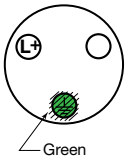
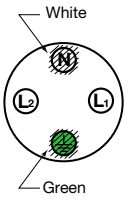
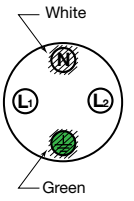
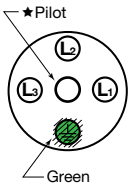
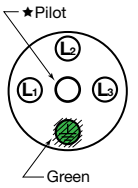
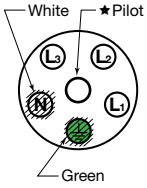
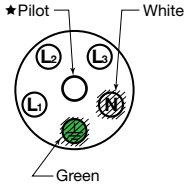
Panel Cutout



30A

Dimensions in Inches (mm)

IEC Pin and Sleeve Terminal Identification – Rear View

Description	Rating		Terminal Marking Pattern*			
			Receptacle and Connector		Plug and Inlet	
	Domestic	International	Domestic	International	Domestic	International
3 Wire	125V AC 277V AC	100-130V				
3 Wire	250V AC 480V AC 600V AC	200-250V 380-415V AC				
4 Wire	125/250V AC 1ØY 120/208V	—				
4 Wire	(3Ø Δ) 250V AC 480V AC 600V AC	380-415V AC				
5 Wire	(3ØY) 120/208V AC 277/480V AC 347/600V AC	220/380V 50Hz 250/440V 60Hz 200/346V to 240/415V 50 and 60Hz				

*Note: *Location of grounding contact position will change as clock positions assigned to specific voltages change.*
★Pilot contacts supplied on 4 and 5 wire, 63 and 125 Amp international rated devices.

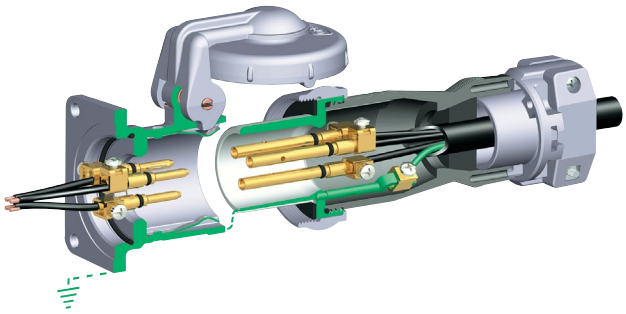
Dimensions in Inches (mm)

Ground Path

To reduce the likelihood of electrical shock, the National Electrical Code requires that non-current carrying metallic components be grounded. Insulgrip Pin and Sleeve wiring devices offer two styles of grounding.

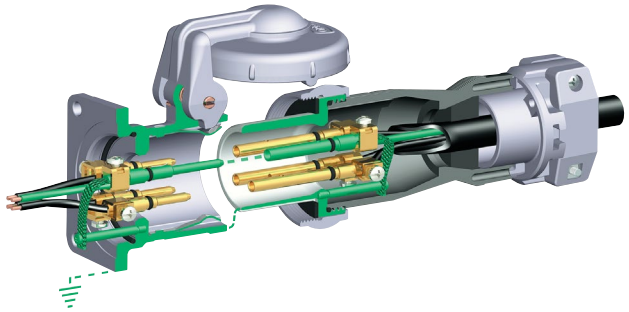
Style I

Receptacles achieve grounding by attaching the ground conductor to the ground screw inside the back box and utilizing the metallic receptacle shell as a ground source (see 3P 4W Style I illustration). Plugs and connectors establish grounding by means of connecting the flexible cable ground conductor to a ground terminal within each device, which, in turn, is grounded through the metallic plug or connector shroud. Any exposed metallic components are suitably grounded in the Style I offering.



Style II

The Style II ground path offers two means of achieving the proper ground path. In addition to utilizing the same grounding method as in the Style I product, the Style II version incorporates a separate ground pin and sleeve (see 3P 4W Style II illustration). This provides a second ground path. The ground pin on Style II devices is longer than other pins, meaning that they "make first" and "break last," assuring protection for people and equipment.



New Pole and Wire Terminology

Style I			Style II		
New	**Old**	**No. of Contacts**	**New**	**Old**	**No. of Contacts**
2P 3W 3P 4W 4P 5W	2W 2P 3W 3P 4W 4P	2 3 4	2P 3W 3P 4W	2W 3P 3W 4P	3 4

NEC® is a registered trademark of the National Fire Protection Association (NFPA)

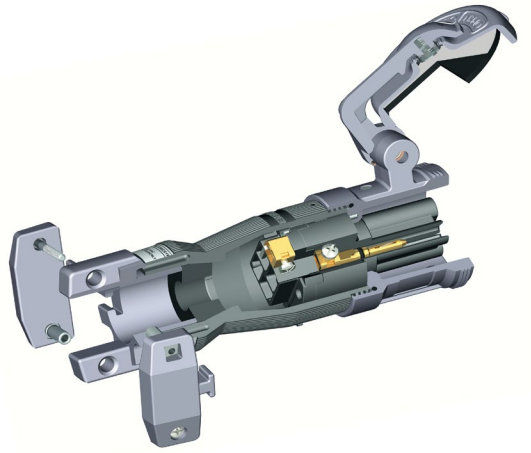
Insulgrip® Pin and Sleeve Devices

Features and Benefits

TYPE 4X

UL standard 1686-C1 configurations are uniform throughout the industry. That means Hubbell - the name that sets the standard for pin and sleeve performance, reliability, durability, innovation and ease of use - should be your standard.

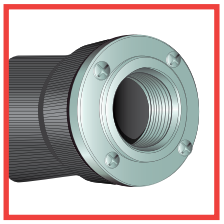
Hubbell's line of heavy duty Insulgrip® Pin and Sleeve wiring devices not only offers complete interchangeability, it delivers the goods when it comes to superior design and construction. Hubbell Insulgrip Pin and Sleeve devices are engineered and built to handle today's most demanding work environments, making Hubbell the unsurpassed heavyweight in the heavy duty market.





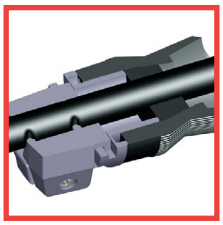
Housing Design

- Thermoplastic housing provides excellent insulating, impact, corrosion, and UV resistant properties; protects users and internal components in the roughest of environments
- Spring-loaded, gasketed cover provides a UL Type 4X watertight, dust-tight seal on connectors and receptacles



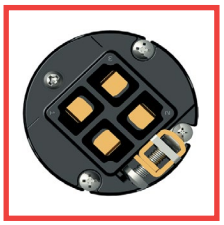
Liquidtight Conduit Adapters

- Machined aluminum adapters are available to provide a means for attaching flexible liquidtight metal conduit to rear of Hubbell Pin and Sleeve plug or connector



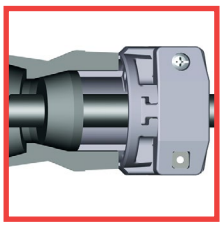
Powerful Mechanical Cord Grip

- Hubbell's design incorporates two molded-in teeth to securely grip the outer cable jacket, and internal conductors to prevent slippage and strain on terminations
- Captive barrel nuts ease assembly and allow higher tightening torque for maximum cord retention



Terminal Entrance Holes

- Large, square funneled entrance holes isolate each conductor to protect against shorts due to stray conductor strands
- Tapered hole provides a fast and easy guide into the termination chamber
- Pin chamber confines arcing within the interior chamber during make and break cycle of mating devices, minimizes arc tracking



Watertight Cord Entrance

- The tapered bore entrance creates high compression forces on sealing gland, providing a watertight seal around cord
- Individual solid neoprene glands are supplied to match a full range of cord sizes and assure watertight performance



Anti-Vibration Box Terminals

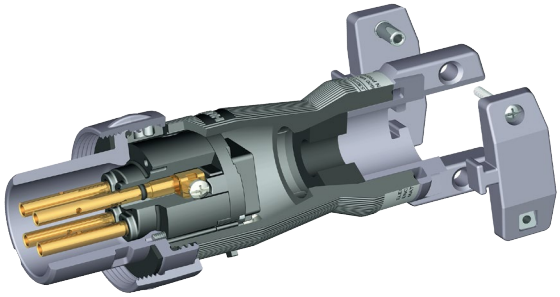
- Interlocking box terminals ensure that terminal screws remain secure and cannot loosen
- The floating box is designed to obtain high-torque values without damaging stranded conductors

Features and Benefits

TYPE 4X

Metallic where you want It, non-metallic where you need it. Different from traditional all-metallic devices, Hubbell Insulgrip Pin and Sleeve wiring devices are designed to provide metallic shrouding where you want it and a non-metallic housing where you need it.

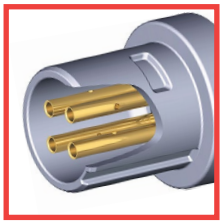
What's more, Hubbell's watertight Insulgrip Pin and Sleeve wiring devices are designed with safety first and foremost. We created the line with plant facility maintenance personnel and a safer industrial work environment in mind. To greatly reduce the likelihood of electrical shock, we developed our exclusive non-metallic watertight system, meaning that with Hubbell on the job, the mix of electricity and water isn't the threat it once was. So, whether the job calls for a welding outlet in a dry location or a motor disconnect in a wet location, step up to Hubbell Insulgrip Pin and Sleeve wiring devices.





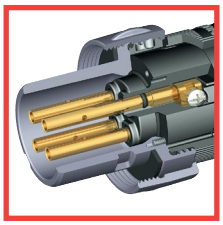
Housing Design

- Thermoplastic housing provides excellent insulating, impact, corrosion, and UV resistant properties; protects users and internal components in the roughest of environments
- Locking ring provides a UL Type 4X watertight and dust-tight seal when the male and female devices are connected



Shrouded Sleeves

- Housing seal provides a watertight and dust-tight seal when mated with receptacle or connector
- Protects the user from the possibility of touching live contacts during insertion and withdrawal of mating parts
- Shroud protects contact sleeves from deforming from physical abuse



Interior Design

- Sleeve O-ring seal provides a watertight and dust-tight seal around the sleeves. Assures that contamination will not enter wire chamber
- All-brass sleeve contacts provide reliable electrical contact with mating pins, also with minimum heat build-up over time



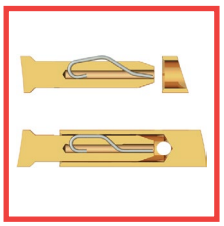
Thermoset Polyester Contact Carrier

- Molded thermoset polyester provides high resistance to electrical tracking
- Withstands higher temperatures which may result from overload or arcing
- Thermoset properties provide dimensional stability for this critical assembly and break cycle of mating devices, minimizes arc tracking



Product Marking

- Catalog number and rating visible while in use; markings are color coded differentiating Style I and Style II devices



Beryllium Copper Spring-Pin Design (Patented)

- Maintains high unit pressure on mating sleeves; ensures reliable electrical contact while minimizing heat rise due to normal pin wear over time

Insulgrip® Pin and Sleeve Devices

30, 60, 100 & 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz

TYPE 4X**

Rating				Style I Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	 Receptacle	 Plug	 Connector	 Connector & Receptacle	 Plug
30	2P 3W		600/250	HBL330RS1W	HBL330PS1W	HBL330CS1W	IN330FS1	IN330MS1
	3P 4W		600/250	HBL430RS1W	HBL430PS1W	HBL430CS1W	IN430FS1	IN430MS1
	4P 5W		600/250	HBL530RS1W	HBL530PS1W	HBL530CS1W	IN530FS1	IN530MS1
60	2P 3W		600/250	HBL360RS1W	HBL360PS1W	HBL360CS1W	IN360FS1	IN360MS1
	3P 4W		600/250	HBL460RS1W	HBL460PS1W	HBL460CS1W	IN460FS1	IN460MS1
	4P 5W		600/250	HBL560RS1W	HBL560PS1W	HBL560CS1W	IN560FS1	IN560MS1
100	2P 3W		600/250	HBL3100RS1W	HBL3100PS1W	HBL3100CS1W	IN3100FS1	IN3100MS1
	3P 4W		600/250	HBL4100RS1W	HBL4100PS1W	HBL4100CS1W	IN4100FS1	IN4100MS1
	4P 5W		600/250	HBL5100RS1W	HBL5100PS1W	HBL5100CS1W	IN5100FS1	IN5100MS1
200	3P 4W		600/250	HBL4200RS1W	HBL4200PS1W	HBL4200CS1W	IN4200FS1†	IN4200MS1†
	4P 5W		600/250	HBL5200RS1W	HBL5200PS1W	HBL5200CS1W	IN5200FS1†	IN5200MS1†

Rating				Style II Devices			Replacement Interiors	
30	2P 3W		600/250	HBL330RS2W	HBL330PS2W	HBL330CS2W	IN330FS2	IN330MS2
	3P 4W		600/250	HBL430RS2W	HBL430PS2W	HBL430CS2W	IN430FS2	IN430MS2
60	2P 3W		600/250	HBL360RS2W	HBL360PS2W	HBL360CS2W	IN360FS2	IN360MS2
	3P 4W		600/250	HBL460RS2W	HBL460PS2W	HBL460CS2W	IN460FS2	IN460MS2
100	2P 3W		600/250	HBL3100RS2W	HBL3100PS2W	HBL3100CS2W	IN3100FS2	IN3100MS2
	3P 4W		600/250	HBL4100RS2W	HBL4100PS2W	HBL4100CS2W	IN4100FS2	IN4100MS2
200	2P 3W		600/250	HBL3200RS2W	HBL3200PS2W	HBL3200CS2W	IN3200FS2†	IN3200MS2†
	3P 4W		600/250	HBL4200RS2W	HBL4200PS2W	HBL4200CS2W	IN4200FS2†	IN4200MS2†

Rating				Corrosion Resistant Devices			Accessories	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	 Receptacle	 Plug	 Connector	 Back Boxes	 Angle Adapter
200	4P 5W		600/250	M5200RS1	M5200PS1	M5200CS1	MB2003W MB2004W	AA20045

*Note: *__CAUTION:__ To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device. **While in use or with cover closed. †Consult factory.*
See page CC-19 for corrosion resistant cord sets.

Dimensions in Inches (mm)

30, 60, 100 & 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz

TYPE 4X**

Rating				"Reversed Service" Style I Devices			Replacement Interiors	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	 Receptacle	 Plug	 Connector	 Connector & Receptacle	 Plug
30	2P 3W		600/250	HBL330RS1WR	HBL330PS1WR	HBL330CS1WR	IN330MS1	IN330FS1
	3P 4W		600/250	HBL430RS1WR	HBL430PS1WR	HBL430CS1WR	IN430MS1	IN430FS1
	4P 5W		600/250	HBL530RS1WR	HBL530PS1WR	HBL530CS1WR	IN530MS1	IN530FS1
60	2P 3W		600/250	HBL360RS1WR	HBL360PS1WR	HBL360CS1WR	IN360MS1	IN360FS1
	3P 4W		600/250	HBL460RS1WR	HBL460PS1WR	HBL460CS1WR	IN460MS1	IN460FS1
	4P 5W		600/250	HBL560RS1WR	HBL560PS1WR	HBL560CS1WR	IN560MS1	IN560FS1
100	2P 3W		600/250	HBL3100RS1WR	HBL3100PS1WR	HBL3100CS1WR	IN3100MS1	IN3100FS1
	3P 4W		600/250	HBL4100RS1WR	HBL4100PS1WR	HBL4100CS1WR	IN4100MS1	IN4100FS1
	4P 5W		600/250	HBL5100RS1WR	HBL5100PS1WR	HBL5100CS1WR	IN5100MS1	IN5100FS1
200	3P 4W		600/250	HBL4200RS1WR	HBL4200PS1WR	HBL4200CS1WR	IN4200MS1†	IN4200FS1†
	4P 5W		600/250	HBL5200RS1WR	HBL5200PS1WR	HBL5200CS1WR	IN5200MS1†	IN5200FS1†

Rating				"Reversed Service" Style II Devices			Replacement Interiors	
30	2P 3W		600/250	HBL330RS2WR	HBL330PS2WR	HBL330CS2WR	IN330MS2	IN330FS2
	3P 4W		600/250	HBL430RS2WR	HBL430PS2WR	HBL430CS2WR	IN430MS2	IN430FS2
60	2P 3W		600/250	HBL360RS2WR	HBL360PS2WR	HBL360CS2WR	IN360MS2	IN360FS2
	3P 4W		600/250	HBL460RS2WR	HBL460PS2WR	HBL460CS2WR	IN460MS2	IN460FS2
100	2P 3W		600/250	HBL3100RS2WR	HBL3100PS2WR	HBL3100CS2WR	IN3100MS2	IN3100FS2
	3P 4W		600/250	HBL4100RS2WR	HBL4100PS2WR	HBL4100CS2WR	IN4100MS2	IN4100FS2
200	2P 3W		600/250	HBL3200RS2WR	HBL3200PS2WR	HBL3200CS2WR	IN3200MS2†	IN3200FS2†
	3P 4W		600/250	HBL4200RS2WR	HBL4200PS2WR	HBL4200CS2WR	IN4200MS2†	IN4200FS2†

Rating				"Reversed Service" Corrosion Resistant Devices			Accessories	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	 Receptacle	 Plug	Connector	 Back Boxes	 Angle Adapter
200	4P 5W		600/250	M5200BS1R	M5200CS1R	–	MB2003W MB2004W	AA20045

*Note: *__CAUTION:__ To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device. **While in use or with cover closed. †Consult factory.*
See page CC-19 for corrosion resistant cord sets.

Dimensions in Inches (mm)

Insulgrip® Pin and Sleeve Metallic Back Boxes

Hubbell manufactures an extensive line of back boxes for use with UL 1686 Pin and Sleeve devices. Each back box is designed to give the user the maximum amount of wiring room while achieving grounding to metallic conduit.

Metallic 30° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Back box for 30A devices.	30 30	3/4″ 1″	**MB301W** **MB302W**



MB301W

Metallic 15° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Back box for 60A devices.	60 60 60	1″ 1-1/4″ 1-1/2″	**MB601W** **MB602W** **MB603W**



MB304W

Metallic Feed-Thru Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Straight feed-thru box for 30A devices.	30 30	3/4″ 1″	**MB303W** **MB304W**
Straight feed-thru box for 60A devices.	60 60 60	1″ 1-1/4″ 1-1/2″	**MB604W** **MB605W** **MB606W**



MB601003W

Metallic Four-Way Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Four-way 15° angle box for 60 and 100A devices.	60/100 60/100 60/100	1-1/4″ 1-1/2″ 2″	**MB601002W** **MB601003W** **MB601004W**
Four-way 45° angle box for 200A devices.	200 200	2″ 2-1/2″	**MB2003W** **MB2004W**
45° angle adapter only for 200A devices.	200	—	**AA20045**



MB601006W

Metallic Four-Way Feed-Thru 15° Angle Back Box*

Description	Amps	NPT Hub Size	Catalog Number
Four-way feed-thru, 15° angle for 60 and 100A devices.	60/100 60/100 60/100	1-1/4″ 1-1/2″ 2″	**MB601006W** **MB601007W** **MB601008W**

*Note: *These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.*



MB2003W

Replacement Cord Clamp and Locking Ring

Description	Used on	Cord Clamp Catalog Number	Locking Ring Catalog Number
Fits all 30A plugs and connectors.	All 3, 4, 5 wire	**CC3430**	**ILR1****
Fits all 60A plugs and connectors.	4 wire (Style 2) and all 5 wire	**CC60**	**ILR2****
	All 3 wire and 4 wire (Style 1)	**CC60**	**ILR3****
Fits all 100A plugs and connectors.	4 wire (Style 2) and all 5 wire	**CC100**	**ILR4****
	All 3 wire and 4 wire (Style 1)	**CC100**	**ILR5****
Fits all 200A plugs and connectors.	All 3, 4, 5 wire	**CC201**	—

*Note: **Locking Ring only.*



CC3430



ILR1

Liquidtight Adapters

Rating of Hubbell Pin and Sleeve Device	Liquidtight Conduit Size	Hubbell Liquidtight Adapter	Optional Kellems® Liquidtight Conduit Grip
30 Amp	1/2″ NPT 3/4″ NPT 1″ NPT	**SAB12** **SAB34** **SAB100**	**074093402** **074093403** **074093404**
60 Amp	1″ NPT 1-1/4″ NPT	**SAC100** **SAC125**	**074093404** **074093405**
100 Amp	1-1/4″ NPT 1-1/2″ NPT	**SAD125** **SAD150**	**074093405** **074093406**



SAB34



074093403

Dimensions in Inches (mm)

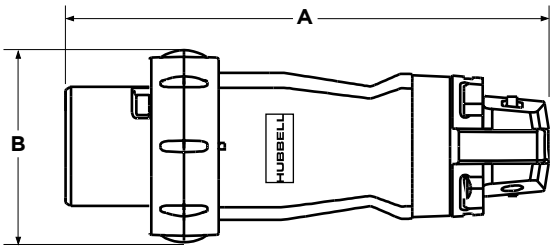
Insulgrip® Pin and Sleeve Dimensions

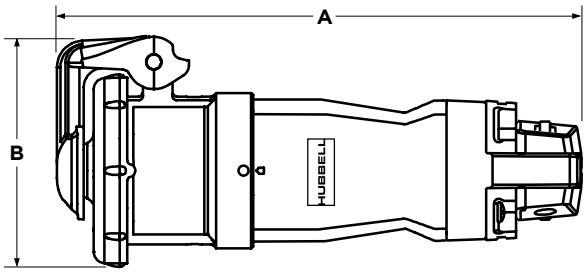
Plug Dimensions

		A		B		
Amps	Type	Style I	Style II	Style I	Style II	Cord Grip Range
30	330P	7.53" (191)	7.53" (191)	3.00" (76)	3.00" (76)	.375-1.20" (9.5-30.5)
	430P	7.53" (191)	7.53" (191)	3.00" (76)	3.00" (76)	.375-1.20" (9.5-30.5)
	530P	7.53" (191)		3.00" (76)		.375-1.20" (9.5-30.5)
60	360P	9.40" (239)	9.40" (239)	3.40" (86)	3.40" (86)	.500-1.45" (12.7-36.8)
	460P	9.40" (239)	9.40" (239)	3.40" (86)	3.70" (94)	.500-1.45" (12.7-36.8)
	560P	9.40" (239)		3.70" (94)		.500-1.45" (12.7-36.8)
100	3100P	10.70" (272)	10.70" (272)	3.70" (94)	3.70" (94)	.925-1.94" (27.0-49.3)
	4100P	10.70" (272)	10.90" (277)	3.70" (94)	4.00" (102)	.925-1.94" (27.0-49.3)
	5100P	10.90" (277)		4.00" (102)		.925-1.94" (27.0-49.3)
200	3200P		11.13" (282)		6.35" (161)	1.00-2.50" (25.4-63.5)
	4200P	11.13" (282)	11.13" (282)	6.35" (161)	6.70" (170)	1.00-2.50" (25.4-63.5)
	5200P	11.13" (282)		6.70" (170)		1.00-2.50" (25.4-63.5)

Connector Body Dimensions

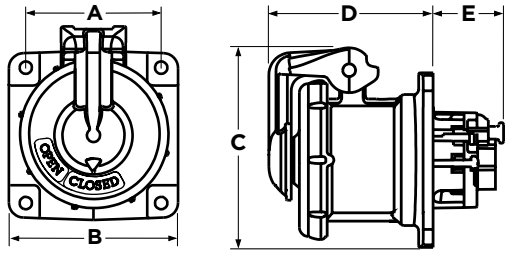
		A		B		
Amps	Type	Style I	Style II	Style I	Style II	Cord Grip Range
30	330C	8.38" (213)	8.38" (213)	3.74" (95)	3.74" (95)	.375-1.20" (9.5-30.5)
	430C	8.38" (213)	8.38" (213)	3.74" (95)	3.74" (95)	.375-1.20" (9.5-30.5)
	530C	8.38" (213)		3.74" (95)		.375-1.20" (9.5-30.5)
60	360C	9.90" (251)	9.90" (251)	3.50" (89)	3.50" (89)	.500-1.45" (12.7-36.8)
	460C	9.90" (251)	10.10" (256)	3.50" (89)	3.80" (96)	.500-1.45" (12.7-36.8)
	560C	10.10" (256)		3.80" (96)		.500-1.45" (12.7-36.8)
100	3100C	11.70" (297)	11.70" (297)	4.50" (114)	4.50" (114)	.925-1.94" (27.0-49.3)
	4100C	11.70" (297)	11.90" (302)	4.50" (114)	4.70" (119)	.925-1.94" (27.0-49.3)
	5100C	11.90" (302)		4.70" (119)		.925-1.94" (27.0-49.3)
200	3200C		13.65" (346)		7.00" (177)	1.00-2.50" (25.4-63.5)
	4200C	13.65" (346)	13.65" (346)	7.00" (177)	7.39" (187)	1.00-2.50" (25.4-63.5)
	5200C	13.65" (346)		7.39" (187)		1.00-2.50" (25.4-63.5)



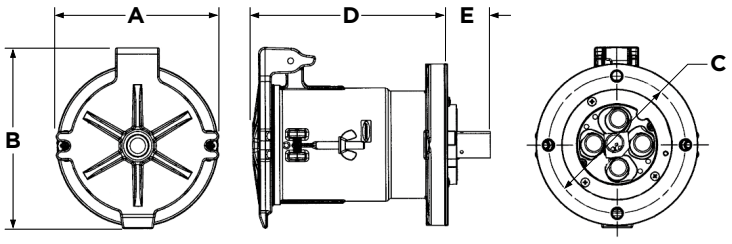


Receptacle Dimensions

		A		B		C		D		E	
Amps	Type	Style I	Style II	Style I	Style II	Style I	Style II	Style I	Style II	Style I	Style II
30	330R	2.72" (69)	2.72" (69)	3.40" (86)	3.40" (86)	3.89" (99)	3.89" (99)	3.19" (81)	3.19" (81)	1.37" (35)	1.37" (35)
	430R	2.72" (69)	2.72" (69)	3.40" (86)	3.40" (86)	3.89" (99)	3.89" (99)	3.19" (81)	3.19" (81)	1.37" (35)	1.37" (35)
	530R	2.72" (69)		3.40" (86)		3.89" (99)		3.19" (81)		1.37" (35)	
60	360R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.66" (118)	4.42" (112)	4.42" (112)	1.54" (39)	1.54" (39)
	460R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.66" (118)	4.42" (112)	4.42" (112)	1.54" (39)	1.54" (39)
	560R	3.50" (89)		4.25" (108)		4.66" (118)		4.42" (112)		1.54" (39)	
100	3100R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.70" (119)	5.30" (135)	5.30" (135)	1.54" (39)	1.54" (39)
	4100R	3.50" (89)	3.50" (89)	4.25" (108)	4.25" (108)	4.66" (118)	4.70" (119)	5.30" (135)	5.30" (135)	1.54" (39)	1.54" (39)
	5100R	3.50" (89)		4.25" (108)		4.66" (118)		5.30" (135)		1.54" (39)	
200	3200R		6.50" (165)		7.00" (177)		5.63" (143)		7.76" (197)		.99" (25)
	4200R	6.50" (165)	6.90" (170)	7.00" (177)	7.39" (187)	5.63" (143)	5.63" (143)	7.76" (197)	7.76" (197)	.99" (25)	.99" (25)
	5200R	6.90" (170)		7.39" (187)		5.63" (143)		7.76" (197)		.99" (25)	



30, 60 and 100 Amp



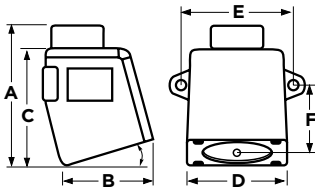
200 Amp

Dimensions in Inches (mm)

Insulgrip® Pin and Sleeve Back Box Dimensions

Metallic Angle Back Box

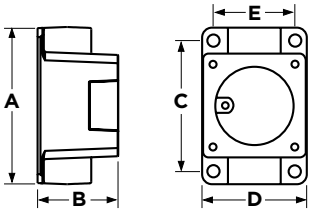
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
30° Angle back box for 30A devices.	3/4"	4.87" (124.0)	2.94" (75.0)	4.02" (102.0)	3.40" (86.0)	4.25" (108.0)	2.12" (54.0)	MB301W
	1"	4.87" (124.0)	2.94" (75.0)	4.02" (102.0)	3.40" (86.0)	4.25" (108.0)	2.12" (54.0)	MB302W
15° Angle back box for 60A devices.	1"	—	4.80" (121.9)	—	—	5.25" (133.4)	2.69" (68.3)	MB601W
	1-1/4"	—	4.80" (121.9)	—	—	5.25" (133.4)	2.69" (68.3)	MB602W
	1-1/2"	—	4.80" (121.9)	—	—	5.25" (133.4)	2.69" (68.3)	MB603W



Metallic Angle Box

Metallic Feed-Thru Back Box

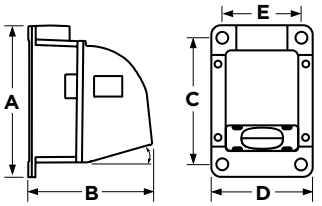
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
Back box for 30A devices.	3/4"	5.35" (136.0)	2.91" (74.0)	4.53" (115.0)	3.59" (91.0)	2.62" (67.0)	—	MB303W
	1"	5.35" (136.0)	2.91" (74.0)	4.53" (115.0)	3.59" (91.0)	2.62" (67.0)	—	MB304W
Back box for 60A devices.	1"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	—	MB604W
	1-1/4"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	—	MB605W
	1-1/2"	6.50" (165.1)	3.80" (97.0)	5.75" (146.1)	4.50" (114.3)	3.50" (88.9)	—	MB606W



Metallic Feed-Thru Box

Metallic Four-Way Angle Back Box

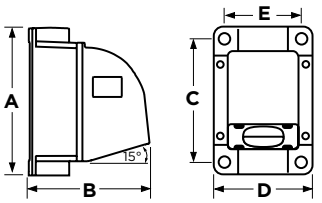
Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
15° Angle four-way box for 60 and 100A devices.	1-1/4"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	—	MB601002W
	1-1/2"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	—	MB601003W
	2"	7.92" (201.0)	8.52" (216.0)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	—	MB601004W
45° Angle four-way box for 200A devices.	2"	10.82" (274.8)	9.86" (250.4)	9.50" (241.3)	8.17" (207.5)	6.75" (171.5)	—	MB2003W
	2-1/2"	10.82" (274.8)	9.86" (250.4)	9.50" (241.3)	8.17" (207.5)	6.75" (171.5)	—	MB2004W
45° Angle adapter only for 200A devices.	-	8.00" (203.2)	6.00" (152.4)	7.00" (178.0)	8.00" (203.2)	7.00" (178.0)	—	AA20045



Metallic Four-Way Angle Box

Metallic Four-Way Feed-Thru 15º Angle Back Box

Description	NPT Hub Size	A Inch (mm)	B Inch (mm)	C Inch (mm)	D Inch (mm)	E Inch (mm)	F Inch (mm)	Catalog Number
Four-way Feed-thru box for 60 and 100A devices.	1-1/4"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	—	MB601006W
	1-1/2"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	—	MB601007W
	2"	7.98" (202.7)	8.55" (217.2)	7.00" (178.0)	6.14" (156.0)	4.88" (124.0)	—	MB601008W



Metallic Feed-Thru Angle Box

Note: These boxes are cast aluminum, suitable for IP54 requirements and are finished with enamel paint.

Dimensions in Inches (mm)

Insulgrip® Pin and Sleeve Specifications

Typical Specification

Manufacturer's ID	Hubbell HBL430PS2W
Description	Plug, Power Supply
Electrical Type	3 Pole + Earth
Max. Rating	30 Amp, 600V AC, 250V DC, 50-400Hz
	UL 1686, Watertight, C1 Configuration
Configuration	UL Listed, UL Standard 1682, UL 50, and
Certification	UL 1010 (plugs only), CSA Certified to CSA Spec. C22.2 No. 182.1, No. 94 and No. 159 (plugs only), UL Listed and CSA Certified Type 4X

Materials (30, 60, 100, and 200 Amp)

Plug	Material
Housing	PBT (200A Aluminum)
Plug Shroud	Aluminum
Cord Clamps	PBT (200A Aluminum)
Clamp Nut	Nickel Plated Brass
Gland Cap	PBT
Gland	Neoprene
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Sleeves	Brass (M-Series - Nickel-plated tellurium copper)
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Nickel Plated Spring Bronze
Locking Ring	Epoxy Painted Aluminum
Connector Body	
Housing	PBT (200 Amp Aluminum)
Connector Shroud	Epoxy Painted Aluminum
Cord Clamps	PBT
Clamp Nut	Nickel Plated Brass
Gland Cap	PBT (200A Aluminum)
Gland	Neoprene
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Pin	Brass (M-Series - Nickel-plated tellurium copper)
Pin Spring	Beryllium Copper
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Nickel Plated Spring Bronze
Cover	Epoxy Painted Aluminum
Cover Arm	Epoxy Painted Aluminum
Spring Guide	Stainless Steel (300 Series)
Springs (Arm & Wave)	Stainless Steel (300 Series)
Spring Washer	Stainless Steel (300 Series)
Hinge Bushing	Aluminum
Rivet	Aluminum
Receptacle	
Housing/Flange	Epoxy Painted Aluminum
O-Rings, Gaskets & Seals	Neoprene
Contact Carrier	Thermoset Polyester
Retainer	Thermoset Polyester
Pin	Brass (M-Series - Nickel-plated tellurium copper)
Pin Spring	Beryllium Copper
Box Terminal	Heat Treated & Zinc Plated Steel
Screws (Terminal, Assembly & Set)	Stainless Steel (300 Series)
Ground Standoff	Brass
Ground Bracket	Steel
Cover	Epoxy Painted Aluminum
Cover Arm	Epoxy Painted Aluminum
Spring Guide	Stainless Steel (300 Series)
Springs (Arm & Wave)	Stainless Steel (300 Series)
Spring Washer	Stainless Steel (300 Series)
Hinge Bushing	Aluminum
Rivet	Aluminum

Performance

Electrical

Voltage	30, 60, 100 and 200 Amp, 600/250 Volt AC/DC, 50-400 Hertz
Dielectric Voltage	Withstands 3,000V AC.
Max. Working Voltage	600V AC RMS (i.e., minimum creepage and clearance distance of 6.4 millimeters, per UL 1682).
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current.
Endurance	Up to 1,000 connect and disconnect cycles at full rated current and voltage.

Mechanical

Impact Resistance	Per CSA C22.2, No. 182.1, UL 1682.
Cord Grip Cable Retention	Per CSA C22.2, No. 182.1, UL 1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating as defined in UL. Standard 62, CSA C22.2 No. 49 and the harmonized <HAR> European Standards.
Terminal Identification	Terminals identified in accordance with UL 1686 (1, 2, 3, Green).
Product Identification	Identification and ratings are permanently fastened to the device housing.

Environmental

Hose Down & Moisture Resistance	Type 3, 4, 4X per UL 50E and CSA 22.2, No. 94.
Flammability (Enclosure)	UL 94V-0 and CSA C22.2 No. 0.17.
Operating Temperatures	Maximum Continuous 75°C; Minimum -40°C without impact -25° with impact.
Hazardous Location (30, 60 & 100A) (plug only)	Class I, Division I & II, Groups B, C & D and Class II, Division I & II, Groups F & G per UL 1010 & CSA 22.2, No. 159.

Materials

Housings	PBT 357 (200A Aluminum).
All Other Materials	Resistant to corrosion and chemical attack.

Watertight Application Guide

Industry	Watertight
Agriculture	Outdoor for fans, heaters, pumps, etc.
Chemical Processing	Where subject to water, corrosion.
Construction	Outdoors subject to severe weather conditions.
Entertainment	Outdoors subject to severe weather.
Food Processing	Where subject to water, corrosion.
Food Service	Areas subject to wash downs & heavy cleaning.
Light Manufacturing	Subjected to cleaning, solvents & chemicals.
Manufacturing	Where subject to water, corrosion.
Military	Outdoor construction or maintenance.

Dimensions in Inches (mm)

Style II Insulgrip® Mechanical Interlocks

Features and Benefits

Hubbell Circuit-Lock® Pin and Sleeve Mechanical Interlocks are a revolutionary design that incorporates a disconnect switch and pin and sleeve receptacle in a non-metallic unit. These devices offer maximum safety by preventing users from mating or breaking a circuit under load—Hubbell's interlock mechanism detects the presence of a plug and prevents it from being removed when the switch is in the "ON" position.

It features a high visibility red handle that can be locked to meet OSHA lockout/tagout regulations, and the enclosure door can be locked to prevent unauthorized access. The rugged, corrosion-resistant Type 4X PBT enclosure features adjustable mounting feet for flexible installation, while the receptacle's spring-loaded cover with gasket is dust-tight and provides a watertight seal when turned and locked.

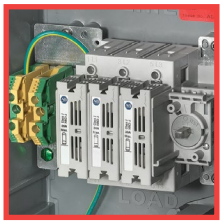
The patented Plug-Check™ mechanism detects the presence of the plug. It operates as a clutch to engage the handle with the switch and captures the plug. This action prevents the plug from being removed until the switch is turned OFF.





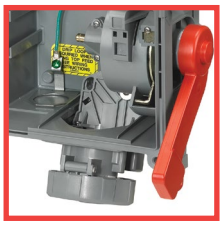
Housing Design

- Non-metallic enclosure meets UL 50E Type 4X (watertight), 12 (dust-tight) and IP66 suitability requirements; enclosure is molded of rugged thermoplastic PBT to resist abuse, corrosion and enhance safety. All external hardware is stainless steel
- Stainless steel 1/4 turn door fasteners for quick, easy access to fuses



Interior Design

- Compact Fused Disconnect Switch accepts Class "J" fuses; fuse holders are top mounted for easy access
- The switch accepts auxiliary contacts for control circuit applications including the ON/OFF control of remote pilot lights or signal for programmable controllers



Safety

- High visibility red handle can be locked in the OFF position as a method of compliance with OSHA lockout requirements; accepts up to a 5/16 inch padlock shackle
- Replaceable spring-loaded receptacle liftcover with gasket ensures dust tight rating; liftcover provides watertight seal when turned and locked



Contact Carrier

- Thermoplastic contact carrier provides resistance to electrical tracking and withstands higher temperatures
- Thermoset properties provide excellent dimensional stability, low moisture absorption and superior dielectric strength



Enclosure Door

- Removable door for ease of wiring and installation
- Enclosure door can be locked to prevent unauthorized access; additionally, if the switch is ON, the door cannot be opened



Installation

- Three molded-in conduit drill points are located on the top, bottom and back surface of enclosure; conduit hub provided: 30A 1 in. NPT, 60A 1-1/4 in. NPT
- Conduit hub and adjustable mounting feet (4) are ductile to allow mounting on irregular surfaces

TYPE 4X**

Style II - Fused

Rating				Fused Insulgrip® Mechanical Interlocks	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	 Mechanical Interlock	 Mating Plug
30	3P 4W		600/250	**HBL430MIFS2W**	**HBL430PS2W**
60	3P 4W		600/250	**HBL460MIFS2W**	**HBL460PS2W**



HBL430MIFS2W

Style II - Unfused

Rating				Unfused Insulgrip® Mechanical Interlocks	
Amps	Poles and Wires	Receptacle/ Connector Configuration*	Maximum Voltage AC/DC	 Mechanical Interlock	 Mating Plug
30	3P 4W		600/250	**HBL430MIS2W**	**HBL430PS2W**
60	3P 4W		600/250	**HBL460MIS2W**	**HBL460PS2W**


HBL30MIFRS

Note: 30A – 1 inch NPT hub supplied; 60A – 1-1/4 inch hub supplied.
**CAUTION: To avoid electrical shock, review premises carefully and DO NOT use if Pin and Sleeve configuration (design) is already in a circuit having a rating differing from the rating of this device.*
***While in use or with cover closed.*

Replacement Auxiliary Contacts

Description	Gray Style Switch
Auxiliary contact, normally open, A600 pilot duty, break before break.	**HBLACFSNO**
Auxiliary contact, normally closed, A600 pilot duty, break before break.	**HBLACFSNC**


HBLACFSNO

Note: Auxiliary contacts are specific to the style switch noted and are NOT interchangeable. All new installations are shipped with gray style switch.

Replacement Switches

Description	Gray Style Switch
For 30A fused switches.	**HBL30MIFRS**
For 60A fused switches. Gray Style switch will retro fit Black Style switch.	**HBL60MIFRS**
For 30A unfused switches.	**HBL30MISRS**
For 60A unfused switches. Gray Style switch will retro fit Black Style switch.	**HBL60MISRS**


MICPK30

Watertight Closure Plug Kits

Description	Catalog Number
For 30A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK30**
For 60 and 100A Circuit-Lock® unfused and fused Pin and Sleeve mechanical interlocks.	**MICPK60**

Replacement Mounting Feet

Description	Catalog Number
Replacement mounting feet and screws for 30 and 60A fused mechanical interlocks.	**HBLRFT2**△

Note: △Package of 10 feet and 10 screws.


HBLRFT2

Dimensions in Inches (mm)

Style II Insulgrip® Mechanical Interlocks Specifications

Specifications

Typical Specifications	
Manufacturer's Identification	Hubbell HBL460MIFS2W
Description	Fused Insulgrip® Pin and Sleeve Mechanical Interlock
Electrical Type	3 Pole + Earth
Rating	60A, 250VDC/600VAC
Configuration	Per UL 1686 C1
Enclosure Type (UL 50E)	Indoor & Outdoor - 4X (Watertight, Washdown) Indoor - 12 (Dust Tight, Falling Dirt)
Ingress Protection	IP66 Suitability
Certification	UL Listed for US and Canada

Materials

Part	Material
Base, Door and Handle	PBT
Conduit Hub	Zinc, 30A – 1 in., 60A – 1-1/4 in. NPT
Enclosure Gasket and Shaft Seal	Neoprene
Shaft and Mounting Inserts	Brass
Ground Plate	Galvanized Steel
Enclosure Screws and Hinge Spring	Stainless Steel
Hinge Pin	Nickel-Plated Brass
Contact Carrier	Thermoset Polyester

Note: This device provides fused switched control of a plug connected load and includes an interlocking feature to prevent the plug from being disconnected or the door from opening while the receptacle is energized. The switch cannot be turned on until the plug is fully inserted..

Performance

Electrical	
Dielectric Voltage	Withstands 3,000VAC Min.
Max. Working Voltage	250VDC/600VAC.
Current Interrupting	Certified for current interrupting at full rated current and voltage.
Short Circuit Withstand Rating	Suitable for use on a circuit capable of delivering not more than 200,000 RMS symmetrical amperes at the voltage rating of receptacle.
Operations	Mechanical 10,000 cycles minimum.

Mechanical	
Impact Resistance	In accordance with UL 746C.
Terminal Identification	In accordance with UL, CSA and international conventions.
Product Ratings	Ratings are part of the external label and molded into the receptacle housing.
Mounting	External adjustment feet.

Environmental	
Moisture Resistance	Indoor & Outdoor - 4X (Watertight, Washdown); Indoor - 12 (Dust-tight, Falling dirt).
Ingress Protection	IP66 Suitability.
Flammability	UL94-5VA and V-0 Classification.
Operating Temperatures	Max. Continuous +60°C; Min. Continuous -40°C w/o impact.
UV Resistance	All exposed insulating materials are UV stabilized.
Fuse Types	UL Listed Class "J". CSA Certified HRCI-J.

Horsepower Ratings

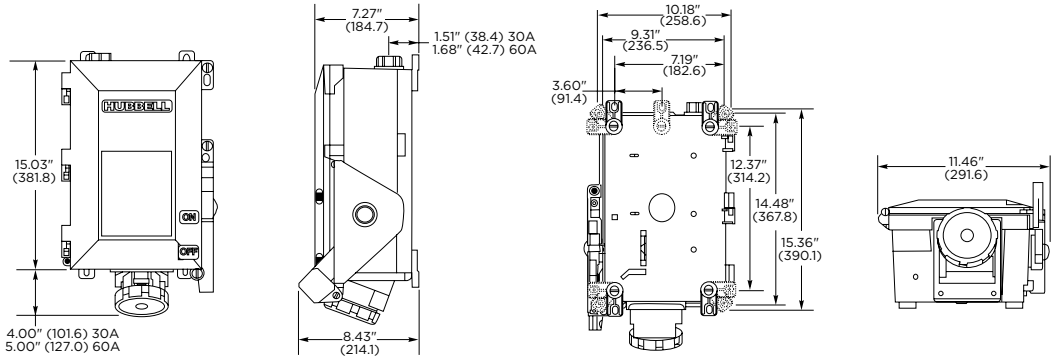
30A Horsepower Ratings

3 Phase A.C.	Standard	Maximum*
200-240V	3	7.5
480V	5	15
600V	7.5	20

60A Horsepower Ratings

3 Phase A.C.	Standard	Maximum*
200-240V	7.5	15
480V	15	30
600V	15	50

Dimensions



Dimensions in Inches (mm)

Note: 30A – 1 inch NPT hub supplied; 60A – 1-1/4 inch hub supplied.

Features and Benefits

Hazardous Location Non-Fused Mechanical Interlocks and Plugs

Hubbell's Hazardous Location Line of Non-Fused UL 1686 Mechanical Interlock Disconnect Switches are typically used for applications with the presence of flammable gasses or vapors, ignitable dusts and fibers. They are also suitable for use in outdoor or indoor damp, wet and dirty locations or in areas where frequent wash downs, heavy rain, or water spray routinely occurs.

These switches are compact in size to reduce cost and make it easier to position on the wall or piece of equipment. The enclosures are made of copper-free aluminum and have a polyester/epoxy finish to prevent corrosion. The high visibility handles can be locked out to comply with OSHA lock out/tag out regulations.



VSQ Hazardous Location Ratings
Class I, Div. 1 & 2, Groups B,C,D
Class I, Zones I & 2, Groups IIB+H2, IIA
Class II, Div. 1 & 2, Groups F & G
Class III
NEMA 3, 4, 4X, 7 (B,C,D), 9 (F,G)





Housing Design

- Copper-free aluminum construction with electrostatically applied polyester/epoxy finish to prevent corrosion
- Compact NEMA 4X enclosure and footfrint allows easy installation in tight locations
- Feed-through construction



Internal Design

- Auxiliary contact (late-make early-break) contact rated 10 amp, 1/3 HP at 125/250V AC can be used for operating pilot lights or starter coils
- Internal switch horsepower rated as "suitable as a motor disconnect"



Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- Large visible rotary handle with ON/OFF indicator allows a quick means of disconnecting power
- Handle mechanism is chemical resistant PBT thermoplastic



Plug Locking Ring

- NEMA 4X environmental rating with cover engaged or when mated with a 4X plug



Mechanism

- Plug and switch are interlocked; switch cannot be turned ON without fully inserted plug; plug cannot be removed with switch in ON position
- Plug held in place when switch is OFF for cconvenience; pull operated release mechanism



Fully Interchangeable

- Product is UL1686 and is fully interchangeable with other UL1686 configured and listed devices

Hazardous Location Mechanical Interlocks & Plugs

30 and 60 Amp Non-Fused UL1686 Mechanical Interlocks and Plugs

Amp	Circuit	Mechanical Interlock	Metallic Plug	Insulgrip Plug
30 Amp 600V AC	2W 3P	**HBLVSQ3023**	**HBLVP3385**	**HBL330PS2W**
	3W 4P	**HBLVSQ3034**	**HBLVP3485**	**HBL430PS2W**
60 AMP 600V AC	2W 3P	**HBLVSQ6023**	**HBLVP6385**	**HBL360PS2W**
	3W 4P	**HBLVSQ6034**	**HBLVP6485**	**HBL460PS2W**

Note: Early break contact comes standard with mechanical interlocks.
HBLVSQ 30 Amp models come standard with 1 inch drilled and tapped conduit openings top and bottom plus two 1 inch x 3/4 inch reducers and one 3/4 inch close-up plug for maximum flexibility. 60 amp models come with one 1-1/2 inch opening on top and bottom and one 1-1/2 inch close-up plug.



HBLVSQ3034

Horsepower Ratings (VAC)*

Amp	Circuit	120	240	480	600	Catalog Number
30 Amp	1Ø	2	5	10	15	HBLVSQ3023
	3Ø	3	7.5	15	20	HBLVSQ3034
60 Amp	1Ø	–	10	15	20	HBLVSQ6023
	3Ø	–	10	25	30	HBLVSQ6034

*Note: *Internal switch only.*



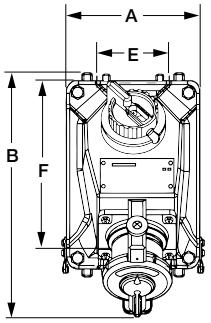
HBLVP3485

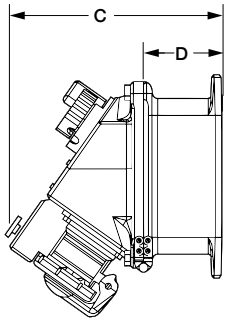


HBL430PS2W

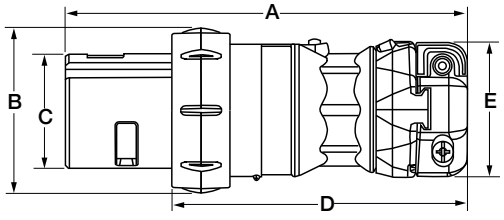
Dimensions

Mechanical Interlocks	A	B	C	D	E	F
30A	5.75″ (146)	10.50″ (267)	9.75″ (248)	3.75″ (95)	3.13″ (79)	8.13″ (206)
60A	8.13″ (206)	14.16″ (360)	11.28″ (287)	4.03″ (102)	2.50″ (64)	11.38″ (289)





Plugs	A	B	C	D	E
30A Both	6.69″ (170)	3.00″ (76)	1.88″ (48)	5.38″ (137)	2.53″ (64)
60A, 3 Pole	8.81″ (224)	3.38″ (86)	2.25″ (57)	6.50″ (165)	3.00″ (76)
60A, 4 Pole	8.81″ (224)	3.69″ (94)	2.53″ (64)	6.50″ (165)	3.00″ (76)



Wire Range	30A	60A
Reg. Stranded	#10 – #6	#6 – #4
Extra Flex	#10 – #8	#6 – #4
Grip Range	.55-1.20″ (14–30)	.65-1.50″ (16–38)

Dimensions in Inches (mm)





Single Pole Inlines and Receptacles



Spider® II Temporary Power Boxes and Temporary Lighting



Stage Pin and Convention Center Pin and Sleeve Devices

Single Pole Devices

Series 15 - 150 Amp, 600 Volts

- Features and Benefits I-2
- Inlines, Receptacles, Protective Caps and Weather Protective Covers I-3
- Tees, Gender Reversing Devices, Replacement Bodies and Accessories I-4
- Specifications and Dimensions I-5

Series 16 - 300 and 400 Amp, 600 Volts

- Features and Benefits I-2
- Inlines and Receptacles I-6
- Receptacles, Terminals, Protective Caps and Weather Protective Covers I-7
- Tees, 3-Fers, Gender Reversing Devices, and Distribution Block I-8
- Replacement Parts, Snap Back Covers and Accessories . . I-8
- Specifications and Dimensions I-9

Series 18 - 300 and 400 Amp, 600 Volts

- Features, 300 and 400 Amp Inlines I-10
- Replacement Bodies and Accessories I-10
- Specifications and Dimensions I-10

Temporary Power

Spider II Temporary Power Boxes

- Features and Benefits I-11
- 50A and 60A Spider II Boxes I-12
- Cable Sets, Receptacles and Replacement Parts I-13
- Temporary Power Boxes and Power Cables I-14
- Heavy-Duty Portable Outlet Boxes and Cover Plates . . . I-15

Temporary Lighting

- Construction Site Lighting I-16
- Maintenance Worklights, Accessories and Replacement Items I-17
- Explosion Proof/Confined Space Lighting I-17
- Pre-Wired Portable Outlet Boxes, Worklights and Accessories I-18

Stage Pin Devices

- Features and Benefits I-19
- 20, 60 & 100 Amp Devices I-20

Series 15 and 16 - 150, 300 and 400 Amp, 600 Volts

Features and Benefits

Hubbell Wiring Device–Kellems offers a full line of innovative, high quality, Series 15, Series 16, and Series 18 single pole inlines, receptacles and accessories for the most demanding environments.

Single pole devices are the right choice for supplying temporary electrical power distribution for entertainment, theme parks, carnival equipment, concerts, movie making and numerous other applications requiring temporary power.

Single pole devices have been designed with ease of assembly and disassembly in mind; no special tools are required. A high strength non-conductive retaining screw is all that is needed to securely lock the contacts to the insulated sleeve.

UL Enclosure Types 3R, 4X and 12 Rating suitable for use in almost any environment.





Housing Design

- Insulgrip® style housing for superior gripping, conforms to the user's hand making it easy to connect and disconnect, even with gloves on
- Easily identifiable cable, cut off points for secure fit allows you to easily customize and cut the housing to the required/correct cable size
- Accommodates wide range of cables



Safety

- Rounded corners reduce the possibility of catching or snagging on structures or equipment
- Non-conductive retaining screw locks contacts in place and allows for easy installation; prevents contact movement within housing
- Recessed mounting screw minimizes screwdriver slippage



Identification

- Lock symbol aids in the mating of devices and provides a clear indication that the devices are properly connected
- With lock indicator symbol making mating clear and simple; devices can lock 180° to prevent unintended disconnects



Contacts

- Provides high contact pressure and vibration resistant connection, which helps reduce operating temperatures and extends product life
- High conductivity brass contact provides improved performance by helping to reduce operating temperatures and extends life



Assembly

- Special screw thread requires fewer turns than most competitors and reduces the risk of a conductive screw being substituted
- Extra long non-conductive inner sleeve reduces force required to install housing over contacts; easier to rotate contact in body for installing retaining screw



Installation

- Engineered body design makes installation simple with no need for additional tools and the non-metallic retaining screw helps to make operation safe for all involved
- Strip gauge molded into every inline and receptacle housing; simplifies installation and saves time

Enclosure Types 3R, 4X, 12

c UL us LISTED



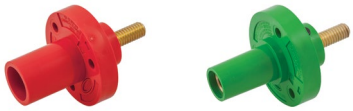
150 Amp Inlines

Description	Color	Male Inline
150 amp, thermoplastic elastomer, cable size #8 - #2 AWG.	Black	HBL15MBK
	White	HBL15MW
	Green	HBL15MGN
	Red	HBL15MR
	Blue	HBL15MBL
	Brown	HBL15MBN
	Orange	HBL15MO
	Yellow	HBL15MY
	Gray	HBL15MGY



150 Amp Inlines

Description	Color	Female Inline
150 amp, thermoplastic elastomer, cable size #8 - #2 AWG.	Black	HBL15FBK
	White	HBL15FW
	Green	HBL15FGN
	Red	HBL15FR
	Blue	HBL15FBL
	Brown	HBL15FBN
	Orange	HBL15FO
	Yellow	HBL15FY
	Gray	HBL15FGY



Receptacles, Stud Type Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
150 amp, Panel Mount, thermoplastic, cable size #8 - #2 AWG.	Black	HBL15MRSBK	HBL15FRSBK
	White	HBL15MRSW	HBL15FRSW
	Green	HBL15MRSGN	HBL15FRSGN
	Red	HBL15MRSR	HBL15FRSR
	Blue	HBL15MRSBL	HBL15FRSBL
	Brown	HBL15MRSBN	HBL15FRSBN
	Orange	HBL15MRSO	HBL15FRSO
	Yellow	HBL15MRSY	HBL15FRSY
	Gray*	—	—

*Note: *Gray is available upon request. Contact factory.*



Receptacles, Double Set Screw Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
150 amp, Panel Mount, thermoplastic, cable size #8 - #2 AWG.	Black	HBL15MRBK	HBL15FRBK
	White	HBL15MRW	HBL15FRW
	Green	HBL15MRGN	HBL15FRGN
	Red	HBL15MRR	HBL15FRR
	Blue	HBL15MRBL	HBL15FRBL
	Brown	HBL15MRBN	HBL15FRBN
	Orange	HBL15MRO	HBL15FRO
	Yellow	HBL15MRY	HBL15FRY
	Gray	HBL15MRGY	HBL15FRGY



Protective Caps

Description	Color	Fits Male Devices	Fits Female Devices
Fits 150 amp inlines and receptacles.	Black	HBL15MCAPBK	HBL15FCAPBK
	White	HBL15MCAPW	HBL15FCAPW
	Green	HBL15MCAPGN	HBL15FCAPGN
	Red	HBL15MCAPR	HBL15FCAPR
	Blue	HBL15MCAPBL	HBL15FCAPBL
	Brown	HBL15MCAPBN	HBL15FCAPBN
	Orange	HBL15MCAPO	HBL15FCAPO
	Yellow	HBL15MCAPY	HBL15FCAPY
	**	—	—

*Note: **Additional colors are available upon request. Contact factory.*



Weather Protective Covers

Description	Color	Catalog Number
Use with stud type or double set screw receptacles.	Clear	HBL15NCC
	Black	HBL15NCBK
	White	HBL15NCW
	Green	HBL15NCGN
	Red	HBL15NCR
	Blue	HBL15NCBL
	Brown	HBL15NCBN
	Orange	HBL15NCO
	Yellow	HBL15NCY

Dimensions in Inches (mm)

Series 15 - 150 Amp, 600 Volts

Enclosure Types 3R, 4X, 12






Tees

Color	Paralleling Tee (Male-Male-Female)	Tapping Tee (Female-Male-Female)
Black	**HBL15PTBK**	**HBL15TBK**
White	**HBL15PTW**	**HBL15TW**
Green	**HBL15PTGN**	**HBL15TGN**
Red	**HBL15PTR**	**HBL15TR**
Blue	**HBL15PTBL**	**HBL15TBL**

Gender Reversing Devices

Color	Double Male (Male-Male)	Double Female (Female-Female)
Black	**HBL15DMBK***	**HBL15DFBK***
White	**HBL15DMW**	**HBL15DFW**
Green	**HBL15DMGN**	**HBL15DFGN**
Red	**HBL15DMR***	**HBL15DFR***
Blue	**HBL15DMBL***	**HBL15DFBL***

*Note: *UL 1691 restricts the use of male-to-male or female-to-female devices to Grounding (Green) or Neutral (White) conductors. Consult factory for availability of other non UL Listed colors.*






Replacement Bodies (25 Pack)

Color	Male Body	Female Body
Black	**HBL15MBBK**	**HBL15FBBK**
White	**HBL15MBW**	**HBL15FBW**
Green	**HBL15MBGN**	**HBL15FBGN**
Red	**HBL15MBR**	**HBL15FBR**
Blue	**HBL15MBBL**	**HBL15FBBL**
**	—	—

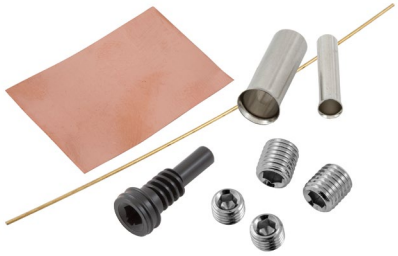
*Note: **Additional colors are available upon request. Contact factory.*

Replacement Contacts (25 Pack)

Description	Male Pin	Female Sleeve
Contact, 150 amp.	**HBL15RCM**	**HBL15RCF**

Accessories

Description	Catalog Number
Accessory Kit, retaining screw, copper foil, terminal screws and brass wire.	**HBL15PK**
Replacement retaining screw (100 pack).	**HBL15RS**
Copper foil (100 pack).	**HBL15CF**
Brass wire (100 pack).	**HBL15BW**
Terminal screw - inline (100 pack).	**HBL15TS25**
Terminal screw - panel mount (100 pack).	**HBL15TS375**
Ferrule #2 AWG (100 pack).	**HBL15F2**
Ferrule #4 AWG (100 pack).	**HBL15F4**



HBL15PK



HBL15RS



HBL15CF



HBL15BW



HBL15TS25



HBL15TS375



HBL15F2
HBL15F4

Dimensions in Inches (mm)

Specifications

Electrical

Voltage Rating	600V Maximum
Amperage Rating	150A Maximum

Mechanical

Terminal Accommodation	Inline: #8 AWG to #2 AWG Receptacle: #8 AWG to #2 AWG
Product ID	Ratings are a permanent part of device
Base Compound	Inline: Thermoplastic Elastomer (TPE) Receptacle: Polybutylene Terephthalate (PBT)
Contact Material	Brass
Retaining Screw Material	Nylon

Certification / Environmental

UL and cUL Listed
UL Enclosure Types 3R, 4X, 12
UL1691 standard for single pole locking-type separable connectors
National Electric Code (NEC®), ANSI/NFPA 70
Flammability: HB per UL94 or CSA 22.2. 0.17

Conductor Ampacity Chart (Type SC/PPC Wire)

Cable Size	Ampacity•
#8	80
#6	105
#4	140
#2	190

Note: •90°C column NEC Table 400.5(A)(2).

Dimensions

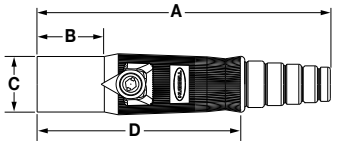
Inlines

	A	B	C	D
Male	4.54″ (115.3)	1.04″ (26.4)	.86″ (21.8)	3.22″ (81.7)
Female	4.60″ (116.8)	1.11″ (28.2)	.68″ (17.3)	3.28″ (83.2)

Weatherproof Cover

	A	B	C
Series 15	2.03″ (51.5)	1.14″ (29.0)	1.49″ (37.9)

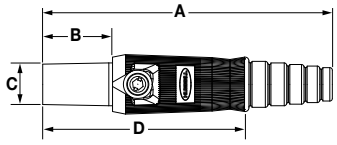
Male Inline



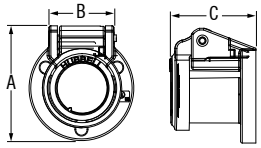
Panel Mount Receptacles

Threaded Stud	A	B	C	D	E	F	Mounting Hole	Termination
Male	1.86″ (47.2)	1.37″ (34.8)	2.82″ (71.6)	.86″ (22.0)	.80″ (20.4)	1.20″ (30.5)	Through 3x Ø .20″	5/16-18 Threaded Stud
Female	1.86″ (47.2)	1.37″ (34.8)	2.88″ (73.1)	.86″ (22.0)	.80″ (20.4)	1.26″ (32.0)	Through 3x Ø .20″	5/16-18 Threaded Stud
Double Set Screw	**A**	**B**	**C**	**D**	**E**	**F**	**Mounting Hole**	**Termination**
Male	1.86″ (47.2)	1.37″ (34.8)	2.90″ (73.6)	.86″ (22.0)	.88″ (22.2)	1.20″ (30.5)	Through 3x Ø .20″	(2) 5/32 Socket Head Set Screws
Female	1.86″ (47.2)	1.37″ (34.8)	2.95″ (74.9)	.86″ (22.0)	.87″ (22.2)	1.26″ (32.0)	Through 3x Ø .20″	(2) 5/32 Socket Head Set Screws

Female Inline



Weatherproof Cover



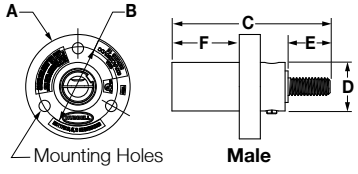
Tees

	A	B	C
Tapping Tee	2.67″ (67.9)	4.28″ (108.7)	.865″ (21.9)
Paralleling Tee	2.67″ (67.9)	4.22″ (107.2)	.865″ (21.9)

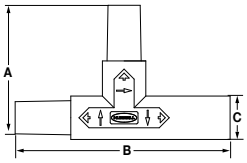
Gender Reversing Devices

	A	B	C
Double Male	4.22″ (107.2)	.86″ (21.8)	—
Double Female	4.22″ (107.2)	1.05″ (26.7)	.68″ (17.3)

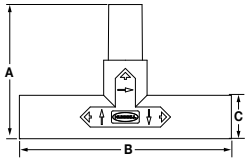
Threaded Stud (Male Shown)



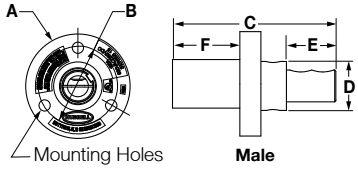
Tapping Tee



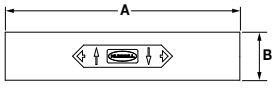
Paralleling Tee



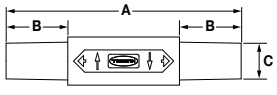
Double Set Screw (Male Shown)



Gender Reversing - Double Male



Gender Reversing - Double Female



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Series 16 - 300 and 400 Amp, 600 Volts

300 Amp Inlines




Description	Color	Male Inline	Female Inline
300 amp, thermoplastic elastomer, cable size #6 - 2/0 AWG.	Black	HBL300MBK**	HBL300FBK**
	White	HBL300MW**	HBL300FW**
	Green	HBL300MGN**	HBL300FGN**
	Red	HBL300MR**	HBL300FR**
	Blue	HBL300MBL**	HBL300FBL**
	Brown	HBL300MBN**	HBL300FBN**
	Orange	HBL300MO**	HBL300FO**
	Yellow	HBL300MY**	HBL300FY**
	Gray*	—	—

*Note: *Gray is available upon request. Contact factory.*
***Available in bulk packaging. Contact factory.*

Enclosure Types 3R, 4X, 12

c UL us LISTED

400 Amp Inlines




Description	Color	Male Inline	Female Inline
400 amp, thermoplastic elastomer, cable size 2/0 - 4/0 AWG.	Black	HBL400MBK**	HBL400FBK**
	White	HBL400MW**	HBL400FW**
	Green	HBL400MGN**	HBL400FGN**
	Red	HBL400MR**	HBL400FR**
	Blue	HBL400MBL**	HBL400FBL**
	Brown	HBL400MBN**	HBL400FBN**
	Orange	HBL400MO**	HBL400FO**
	Yellow	HBL400MY**	HBL400FY**
	Gray	HBL400MGY**	HBL400FGY**

Receptacles, Double Set Screw Through Hole Mounting




Description	Color	Male Receptacles	Female Receptacles
400 amp, Panel Mount, thermoplastic elastomer, cable size #4 - 4/0 AWG, mates with 300 and 400 amp Inlines.	Black	HBLMRBK	HBLFRBK
	White	HBLMRW	HBLFRW
	Green	HBLMRGN	HBLFRGN
	Red	HBLMRR	HBLFRR
	Blue	HBLMRBL	HBLFRBL
	Brown	HBLMRBN	HBLFRBN
	Orange	HBLMRO	HBLFRO
	Yellow	HBLMRY	HBLFRY
	Gray	HBLMRGY	HBLFRGY

Angled Receptacles, Double Set Screw Through Hole Mounting




Description	Color	Male Receptacles	Female Receptacles
400 amp, Panel Mount, thermoplastic elastomer, cable size #4 - 4/0 AWG, mates with 300 and 400 amp Inlines.	Black	HBLMRABK	HBLFRABK
	White	HBLMRAW	HBLFRAW
	Green	HBLMRAGN	HBLFRAGN
	Red	HBLMRAR	HBLFRAR
	Blue	HBLMRABL	HBLFRABL
	Brown	HBLMRABN	HBLFRABN
	Orange	HBLMRAO	HBLFRAO
	Yellow	HBLMRAY	HBLFRAY
	Gray	HBLMRAGY	HBLFRAGY

Receptacles, Stud Type Threaded Hole Mounting




Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	HBLMRSCBK	HBLFRSCBK
	White	HBLMRSCW	HBLFRSCW
	Green	HBLMRSCGN	HBLFRSCGN
	Red	HBLMRSCR	HBLFRSCR
	Blue	HBLMRSCBL	HBLFRSCBL
	Brown	HBLMRSCBN	HBLFRSCBN
	Orange	HBLMRSCO	HBLFRSCO
	Yellow	HBLMRSCY	HBLFRSCY

Receptacles, Extended Stud Type Threaded Hole Mounting




Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	HBLMRSCEBK	HBLFRSCEBK
	White	HBLMRSCEW	HBLFRSCEW
	Green	HBLMRSCEGN	HBLFRSCEGN
	Red	HBLMRSCER	HBLFRSCER
	Blue	HBLMRSCEBL	HBLFRSCEBL
	Brown	HBLMRSCEBN	HBLFRSCEBN
	Orange	HBLMRSCEO	HBLFRSCEO
	Yellow	HBLMRSCEY	HBLFRSCEY

Receptacles, Stud Type Through Hole Mounting




Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	HBLMRSBK	HBLFRSBK
	White	HBLMRSW	HBLFRSW
	Green	HBLMRSGN	HBLFRSGN
	Red	HBLMRSR	HBLFRSR
	Blue	HBLMRSBL	HBLFRSBL
	Brown	HBLMRSBN	HBLFRSBN
	Orange	HBLMRSO	HBLFRSO
	Yellow	HBLMRSY	HBLFRSY

Angled Receptacles, Stud Type Through Hole Mounting




Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	HBLMRASBK	HBLFRASBK
	White	HBLMRASW	HBLFRASW
	Green	HBLMRASGN	HBLFRASGN
	Red	HBLMRASR	HBLFRASR
	Blue	HBLMRASBL	HBLFRASBL
	Brown	HBLMRASBN	HBLFRASBN
	Orange	HBLMRASO	HBLFRASO
	Yellow	HBLMRASY	HBLFRASY

Dimensions in Inches (mm)

Enclosure Types 3R, 4X, 12

c UL us LISTED




Receptacles, Bus Bar Threaded Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	HBLMRBBK	HBLFRBBK
	White	HBLMRBW	HBLFRBW
	Green	HBLMRBGN	HBLFRBGN
	Red	HBLMRBR	HBLFRBR
	Blue	HBLMRBBL	HBLFRBBL
	Brown	HBLMRBBN	HBLFRBBN
	Orange	HBLMRBO	HBLFRBO
	Yellow	HBLMRBY	HBLFRBY




Angled Receptacles, Bus Bar Through Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	HBLMRABBK	HBLFRABBK
	White	HBLMRABW	HBLFRABW
	Green	HBLMRABGN	HBLFRABGN
	Red	HBLMRABR	HBLFRABR
	Blue	HBLMRABBL	HBLFRABBL
	Brown	HBLMRABBN	HBLFRABBN
	Orange	HBLMRABO	HBLFRABO
	Yellow	HBLMRABY	HBLFRABY

Receptacles, Bus Bar, 2 Holes Threaded Hole Mounting

Description	Color	Male Receptacles	Female Receptacles
400 amp Panel Mount, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	HBLMRB2BK	HBLFRB2BK
	White	HBLMRB2W	HBLFRB2W
	Green	HBLMRB2GN	HBLFRB2GN
	Red	HBLMRB2R	HBLFRB2R
	Blue	HBLMRB2BL	HBLFRB2BL
	Brown	HBLMRB2BN	HBLFRB2BN
	Orange	HBLMRB2O	HBLFRB2O
	Yellow	HBLMRB2Y	HBLFRB2Y






Terminals, Offset Straight Style

Description	Color	Male Receptacles	Female Receptacles
400 amp Terminal, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	HBLMOSBK	HBLFOSBK
	White	HBLMOSW	HBLFOSW
	Green	HBLMOSGN	HBLFOSGN
	Red	HBLMOSR	HBLFOSR
	Blue	HBLMOSBL	HBLFOSBL
	Brown	HBLMOSBN	HBLFOSBN
	Orange	HBLMOSO	HBLFOSO
	Yellow	HBLMOSY	HBLFOSY

Note: Terminals are UL Type 1 only.




Angled Terminals, Offset Straight Style

Description	Color	Male Receptacles	Female Receptacles
400 amp Terminal, thermoplastic elastomer, mates with 300 and 400 amp Inlines.	Black	HBLMOABK	HBLFOABK
	White	HBLMOAW	HBLFOAW
	Green	HBLMOAGN	HBLFOAGN
	Red	HBLMOAR	HBLFOAR
	Blue	HBLMOABL	HBLFOABL
	Brown	HBLMOABN	HBLFOABN
	Orange	HBLMOAO	HBLFOAO
	Yellow	HBLMOAY	HBLFOAY

Note: Angled terminals are UL Type 1 only.




Protective Caps

Color	Fits Male Devices	Fits Female Devices
Black	HBLMCAPBK	HBLFCAPBK
White	HBLMCAPW	HBLFCAPW
Green	HBLMCAPGN	HBLFCAPGN
Red	HBLMCAPR	HBLFCAPR
Blue	HBLMCAPBL	HBLFCAPBL
Brown	HBLMCAPBN	HBLFCAPBN
Orange	HBLMCAPO	HBLFCAPO
Yellow	HBLMCAPY	HBLFCAPY




Weather Protective Lift Covers

Color	Catalog Number	All One Color Caps and Bodies
Clear	HBLNCC*	—
Black	HBLNCBK	HBLNCABK
White	HBLNCW	HBLNCAW
Green	HBLNCGN	HBLNCAGN
Red	HBLNCR	HBLNCAR
Blue	HBLNCBL	HBLNCABL
Brown	HBLNCBN	HBLNCABN
Orange	HBLNCO	HBLNCAO
Yellow	HBLNCY	HBLNCAY

*Note: *Available in bulk packaging. Contact factory.*

Dimensions in Inches (mm)

Series 16 - 300 and 400 Amp, 600 Volts

Enclosure Types 3R, 4X, 12

c UL us LISTED







Tees and 3-Fers

Color	Paralleling Tee (Male-Male-Female)	Tapping Tee (Female-Male-Female)	3-Fer (Male-Female-Female-Female)	3-Fer (Female-Male-Male-Male)	Soft 3-Fer (Male-Female-Female-Female)	Soft 3-Fer (Female-Male-Male-Male)
Black	**HBLPTBK**	**HBLTBK**	**HBLM3FBK**	**HBLF3MBK**	**HBLM3FSBK**	–
White	**HBLPTW**	**HBLTW**	**HBLM3FW**	**HBLF3MW**	–	–
Green	**HBLPTGN**	**HBLTGN**	**HBLM3FGN**	**HBLF3MGN**	–	**HBLF3MSGN**
Red	**HBLPTR**	**HBLTR**	**HBLM3FR**	**HBLF3MR**	–	–
Blue	**HBLPTBL**	**HBLTBL**	**HBLM3FBL**	**HBLF3MBL**	–	–
Brown	**HBLPTBN**	**HBLTBN**	**HBLM3FBN**	**HBLF3MBN**	–	–
Orange	**HBLPTO**	**HBLTO**	**HBLM3FO**	**HBLF3MO**	–	–
Yellow	**HBLPTY**	**HBLTY**	**HBLM3FY**	**HBLF3MY**	–	–




Gender Reversing Devices

Color	Double Male (Male-Male)	Double Female (Female-Female)
Black	**HBLDMBK**	**HBLDFBK**
White	**HBLDMW**	**HBLDFW**
Green	**HBLDMGN**	**HBLDFGN**
Red	**HBLDMR**	**HBLDFR**
Blue	**HBLDMBL**	**HBLDFBL**
Brown	**HBLDMBN**	**HBLDFBN**
Orange	**HBLDMO**	**HBLDFO**
Yellow	**HBLDMY**	**HBLDFY**



Distribution Block

Description	Color	(1-Male, 6-Females)
400 amp Distribution block, single conductor, heavy duty industrial grade, pre-wired, (1) male to (6) females.	Black	**HBL7DBBK**
	White	**HBL7DBW**
	Green	**HBL7DBGN**
	Red	**HBL7DBR**
	Blue	**HBL7DBBL**
	Brown	**HBL7DBBN**
	Orange	**HBL7DBO**
	Yellow	**HBL7DBY**




Replacement Bodies (10 Pack)

Color	Male Body	Female Body
Black	**HBLMBBK**	**HBLFBBK**
White	**HBLMBW**	**HBLFBW**
Green	**HBLMBGN**	**HBLFBGN**
Red	**HBLMBR**	**HBLFBR**
Blue	**HBLMBBL**	**HBLFBBL**
Brown	**HBLMBBN**	**HBLFBBN**
Orange	**HBLMBO**	**HBLFBO**
Yellow	**HBLMBY**	**HBLFBY**




Replacement Contacts (20 Pack)

Description	Male Pin	Female Sleeve
Contact, 300 amp.	**HBL300RCM**	**HBL300RCF**
Contact, 400 amp.	**HBL400RCM**	**HBL400RCF**



Snap Back Covers (3R Only)

Color	Through Hole Mounting	Threaded Mounting Holes
Black	**HBLSCBK**	**HBLSCCBK**
White	**HBLSCW**	**HBLSCCW**
Green	**HBLSCGN**	**HBLSCCGN**
Red	**HBLSCR**	**HBLSCCR**
Blue	**HBLSCBL**	**HBLSCCBL**
Brown	**HBLSCBN**	**HBLSCCBN**
Orange	**HBLSCO**	**HBLSCCO**
Yellow	**HBLSCY**	**HBLSCCY**



Accessories

Description	Catalog Number
Accessory Kit, retaining screw, copper foil, terminal screws and brass wire.	**HBLPK**
Replacement retaining screw (500 pack).	**HBLRS**
Copper foil (500 pack).	**HBLCF**
Brass wire (500 pack).	**HBLBW**
Terminal screw - inline (500 pack).	**HBLTS**
Terminal screw - panel mount (500 pack).	**HBLTSR**

Dimensions in Inches (mm)

Specifications

Electrical	Series 16
Voltage Rating	600V Maximum
Amperage Rating	400A Maximum

Mechanical	300A	400A
Terminal Accommodation	Inline: #6 to 2/0 AWG	Inline: 2/0 to 4/0 AWG Recept.: #4 to 4/0 AWG
Product ID	Ratings are a permanent part of device	
Base Compound	Thermoplastic Elastomer (TPE)	
Contact Material	Brass	
Retaining Screw Material	Nylon	

Certification / Environmental

UL and cUL Listed
UL Enclosure Types 3R, 4X, 12
UL1691 standard for single pole locking-type separable connectors
National Electric Code (NEC), ANSI/NFPA 70
Flammability: HB per UL94 or CSA 22.2. 0.17

Conductor Ampacity Chart (Type SC/PPC Wire)

Cable Size	Ampacity•	Cable Size	Ampacity•
#6	105	2/0	300
#4	140	4/0	405
#2	190		

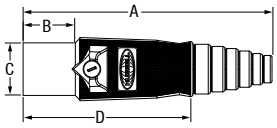
Note: •90°C column NEC Table 400.5(A)(2).

Dimensions

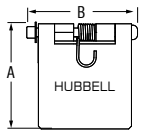
Inlines

Description	A	B	C	D
Male	7.01" (178.0)	1.38" (35.1)	1.48" (37.6)	4.78" (121.4)
Female	7.10" (180.5)	1.44" (36.6)	1.06" (27.0)	4.90" (121.3)

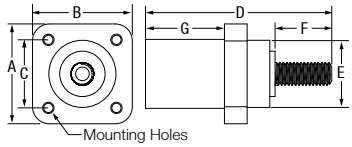
Inline (Male Shown)



Snap Back Cover



Threaded Stud (Male Shown)

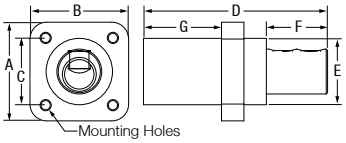


Panel Mount Receptacles

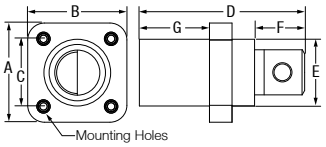
Threaded Stud	A	B	C	D	E	F	G	Mounting Hole	Termination
Male & Female with through hole mounting	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	4.10" (104.3)	1.48" (37.6)	1.25" (31.7)	1.74" (44.2)	Through 4x Ø .20"	1/2-13 UNC-2A Threaded Stud
Male & Female with threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	3.67" (93.2)	1.48" (37.6)	1.11" (28.2)	1.55" (39.4)	Threaded 4x #10-32	1/2-13 UNC-2A Threaded Stud
Double Set Screw	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**Mounting Hole**	**Termination**
Male & Female with threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	4.10" (104.3)	1.48" (37.6)	1.36 (34.5)	1.74" (44.2)	Threaded 4x #10-32	(2) 7/32 Socket Head Set Screws
Bus Bar Type	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**Mounting Hole**	**Termination**
Male & Female with threaded mounting holes	2.20" (55.9)	2.20" (55.9)	1.50" (38.1)	3.57" (90.7)	1.48" (37.6)	1.01" (25.7)	1.55" (39.4)	Threaded 4x #10-32	(1) 5/16-18 UNC-2B Threaded Hole

Offset Terminals	A	B	C	D	E	F	Mounting Hole	Termination
Male terminal straight style	Ø1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.89" (98.8)	1.75" (44.5)	2.14" (54.4)	Through .50" (12.7)	–
Female terminal straight style	Ø1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.68" (93.3)	1.75" (44.5)	1.93" (48.9)	Through .50" (12.7)	–
Male terminal angled style	Ø1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.98" (101.1)	2.06" (52.2)	2.14" (54.4)	Through .50" (12.7)	–
Female terminal angled style	Ø1.48" [37.6]	1.00" (25.4)	.38" (9.5)	3.76" (95.6)	2.06" (52.2)	1.93" (48.9)	Through .50" (12.7)	–

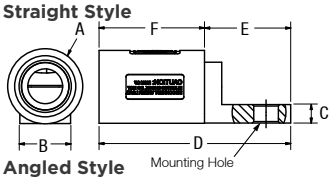
Double Set Screw (Male Shown)



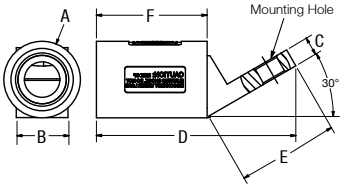
Bus Bar Type (Male Shown)



Offset Terminals (Male Shown)
Straight Style



Angled Style



Covers

Description	A	B	C
Weatherproof Cover	2.20" (55.88)	1.16" (29.44)	2.03" (51.5)
Snap Back Cover to be used with receptacles	2.26" (57.4)	2.37" (60.2)	–

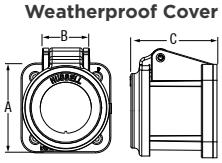
Gender Reversing Devices

Description	A	B	C
Double Male	4.65" (118.1)	1.48" (37.6)	–
Double Female	4.84" (122.9)	1.44" (36.6)	1.06" (27.0)

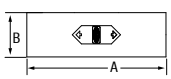
Tees and 3-Fers

Description	A	B	C
Tapping Tee	3.18" (80.8)	4.74" (120.4)	1.48" (37.6)
Paralleling Tee	3.18" (80.8)	4.65" (118.1)	1.48" (37.6)
3-Fer	5.88" (149.3)	5.78" (146.9)	1.48" (37.6)

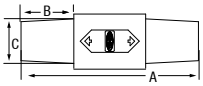
Weatherproof Cover



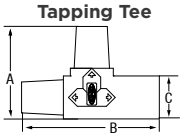
Gender Reversing - Double Male



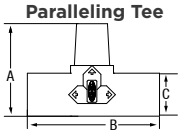
Gender Reversing - Double Female



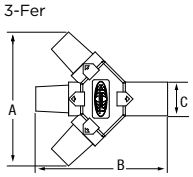
Tapping Tee



Paralleling Tee



3-Fer



Dimensions in Inches (mm)

Series 18 - 300 and 400 Amp, 600 Volts

- Enclosure Types 3R, 4X, 12
- Non-metallic safety retaining screw
- Easy to grip body design
- Accepts #6 to 4/0 AWG wire
- Replacement bodies available
- UL and cULus Listed

Enclosure Types 3R, 4X, 12

c UL us LISTED









300 Amp Inlines

Description	Color	Male Inline	Female Inline
Thermoplastic elastomer, cable size #6 - 2/0 AWG.	Black	HBL18300MBK	HBL18300FBK
	White	HBL18300MW	HBL18300FW
	Green	HBL18300MGN	HBL18300FGN
	Red	HBL18300MR	HBL18300FR
	Blue	HBL18300MBL	HBL18300FBL
	Brown	HBL18300MBN	HBL18300FBN
	Orange	HBL18300MO	HBL18300FO
	Yellow	HBL18300MY	HBL18300FY





400 Amp Inlines

Description	Color	Male Inline	Female Inline
Thermoplastic elastomer, cable size 2/0 - 4/0 AWG.	Black	HBL18400MBK	HBL18400FBK
	White	HBL18400MW	HBL18400FW
	Green	HBL18400MGN	HBL18400FGN
	Red	HBL18400MR	HBL18400FR
	Blue	HBL18400MBL	HBL18400FBL
	Brown	HBL18400MBN	HBL18400FBN
	Orange	HBL18400MO	HBL18400FO
	Yellow	HBL18400MY	HBL18400FY





Replacement Bodies (10 Pack)

Description	Color	Male Inline	Female Inline
Thermoplastic elastomer.	Black	HBL18MBBK	HBL18FBBK
	White	HBL18MBW	HBL18FBW
	Green	HBL18MBGN	HBL18FBGN
	Red	HBL18MBR	HBL18FBR
	Blue	HBL18MBBL	HBL18FBBL
	Brown	HBL18MBBN	HBL18FBBN
	Orange	HBL18MBO	HBL18FBO
	Yellow	HBL18MBY	HBL18FBY



Accessories

Description	Catalog Number
Series 18, replacement retaining screw (500 pack).	HBLRS
Copper foil (500 pack).	HBLCF
Brass wire (500 pack).	HBLBW

Specifications

Electrical	Series 18
Voltage Rating	600V Maximum
Amperage Rating	400A Maximum

Mechanical	300A	400A
Terminal Accommodation	Inline: #6 to 2/0 AWG	Inline: 2/0 to 4/0 AWG
Product ID	Ratings are a permanent part of device	
Base Compound	Thermoplastic Elastomer (TPE)	
Contact Material	Brass	
Retaining Screw Material	Nylon	

Certification / Environmental

Series 18

UL and cULus Listed
UL Enclosure Types 3R, 4X, 12
UL 1691 standard for single pole locking-type separable connectors
National Electric Code (NEC), ANSI/NFPA 70
Flammability: HB per UL94 or CSA 22.2. 0.17

Conductor Ampacity Chart (Type SC/PPC Wire)

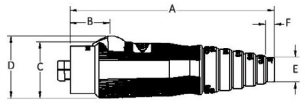
Cable Size	Ampacity•
#2	190
2/0	300
3/0	350
4/0	405

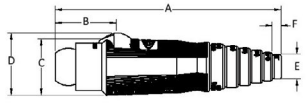
Note: •90°C column NEC Table 400.5(A)(2).

Dimensions

In Line Plugs

Description	A	B	C	D	E	F
Male	6.30" (159.9)	1.23" (31.1)	1.76" (44.6)	1.94" (49.3)	.77" (19.6)	.27" (TYP) (6.9)
Female	6.95" (176.5)	1.87" (47.6)	1.76" (44.6)	1.94" (49.3)	.77" (19.6)	.27" (TYP) (6.9)





Dimensions in Inches (mm)

Features and Benefits

Hubbell's Spider II temporary power distribution system sets the safety and performance standard for temporary power needs. Construction sites and outdoor events place more demands on electrical power than ever before. Hubbell's Spider box steps up to the challenge by offering advanced electrical and safety features. The Spider II box incorporates the most advanced ground fault module technology available in the industry today, ensuring safe and reliable distribution of electrical power for a wide variety of temporary power applications.

Breadth of line and durability, Hubbell manufactures a variety of Spider II Boxes and temporary power products for both indoor and outdoor power and lighting applications. Hubbell's Spider products incorporate the most innovative wiring devices in the Hubbell Safety-Shroud® Twist-Lock® system. The shrouded Twist-Lock design extends the life of the plug by protecting the blades from abuse and more importantly, the shroud protects the user from arcing.





Housing Design

- Individual GFCI modules
- Gasketed latching receptacle lift covers
- Replaceable legs



Receptacles

- Six 20 amp straight blade or Twist-Lock watertight receptacles, individually GFCI protected
- All Pin and Sleeve, Twist-Lock and straight blade receptacles on each Spider box are protected when not in use by a gasketed, spring loaded flip lid



Safety

- Standard stab termination circuit breakers with gasketed lift cover
- Compact electronic supervisory circuit
- Detailed wiring diagram



Inlets

- Available with flush 50 amp Twist-Lock inlet or 60 amp IEC reversed service Pin and Sleeve receptacle



Environmental Protection

- Spider II boxes have earned a Type 3R metallic enclosure rating and heavy duty, abuse resistant legs for outdoor rainproof applications
- Provides UL Type 4X rating when the receptacles are used with Watertight Safety-Shroud® Twist-Lock plugs



Certifications

- Hubbell's Spider II Boxes meet NEC® requirements for personal protection against electrical shock on job sites and are listed to the latest UL1640 standard for portable power distribution equipment

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

50A and 60A Spider® II Boxes



50A Spider II



60A Spider II



60A Class "L" Spider II

Spider II Temporary Power Boxes

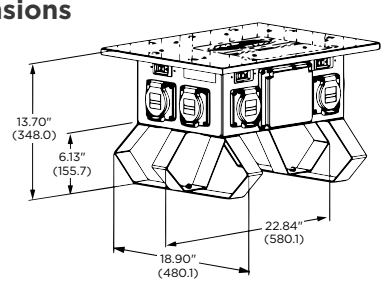
Rating	Type	Qty	Receptacle Ratings	Receptacle Components	Protection		Catalog Number
					Overload	GFI	
30A, 120/240V AC (Maximum)	Straight Blade Twist-Lock® (inlet) Twist-Lock (outlet)	7 1 1	20A, 125V 30A, 120/240V 30A, 120/240V	**HBL53R61** **HBL2715SWR** **HBL2710**	Yes No No	Yes No No	**SDSB1A**
50A, 120/240V AC (Maximum)	Straight Blade Twist-Lock (inlet) Twist-Lock (outlet)	7 1 1	20A, 125V 50A, 125/250V 50A, 125/250V	**HBL53R61** **HBL6375S** **CS6369**	Yes No No	Yes No No	**SBSB1A**
50A, 120/240V AC (Maximum)	Straight Blade Twist-Lock Twist-Lock (inlet) Twist-Lock (outlet)	6 1 1 1	20A, 125V 30A, 250V 50A, 125/250V 50A, 125/250V	**HBL53R61** **HBL2620SW** **HBL6375S** **CS6369**	Yes Yes No No	Yes Yes No No	**SBSB2**
50A, 120/240V AC (Maximum)	Twist-Lock Twist-Lock (inlet) Twist-Lock (outlet)	7 1 1	20A, 125V 50A, 125/250V 50A, 125/250V	**HBL2310SW** **HBL6375S** **CS6369**	Yes No No	Yes No No	**SBTL1A**
50A, 120/240V AC (Maximum)	Twist-Lock Twist-Lock Twist-Lock (inlet) Twist-Lock (outlet)	6 1 1 1	20A, 125V 30A, 250V 50A, 125/250V 50A, 125/250V	**HBL2310SW** **HBL2620SW** **HBL6375S** **CS6369**	Yes Yes No No	Yes Yes No No	**SBTL2**
60A, 3Ø 120/208V AC (Maximum)	Straight Blade Pin and Sleeve (inlet) Pin and Sleeve (outlet)	6 1 1	20A, 125V 60A, 3ØY 120/208V 60A, 3ØY 120/208V	**HBL53R61** **HBL560B9R** **HBL560R9W**	Yes No No	Yes No No	**SCSB0***
60A, 3Ø 120/208V AC (Maximum)	Twist-Lock Pin and Sleeve (inlet) Pin and Sleeve (outlet)	6 1 1	20A, 125V 60A, 3ØY 120/208V 60A, 3ØY 120/208V	**HBL2310SW** **HBL560B9R** **HBL560R9W**	Yes No No	Yes No No	**SCTL0***

Class "L" Spider II Temporary Power Boxes

Rating	Type	Qty	Receptacle Ratings	Receptacle Components	Protection		Catalog Number
					Overload	GFI	
60A, 3Ø 120/208V AC (Maximum)	Straight Blade Class "L" (inlet) Class "L" (outlet)	6 1 1	20A, 125V 60A, 3ØY, 120/208V 60A, 3ØY, 120/208V	**HBL53R61** — —	Yes No No	Yes** No No	**SCSB0M2**
60A, 3Ø 120/208V AC (Maximum)	Twist-Lock Class "L" (inlet) Class "L" (outlet)	6 1 1	20A, 125V 60A, 3ØY, 120/208V 60A, 3ØY, 120/208V	**HBL2310SW** — —	Yes No No	Yes** No No	**SCTL0M2**

*Note: *60A units are UL and cUL only.*
***GFCI protection on 4 devices only.*

Dimensions



Dimensions in Inches (mm)

Specifications

Spider II	
Listing/Certification	UL1640 cUL and CSA, UL943
Environment	Indoor and outdoor wet and dry locations
Enclosure Type	3R, rainproof, suitable for use in damp locations
Code Compliance	NEC®, ANSI/NFPA 70

Features and Benefits

Hubbell's SR50 is comprised of a pre-wired 50A receptacle, mounted in a fully non-metallic watertight FD wall box.

This weather resistant, UL listed, assembly provides significant labor savings for the contractor, because it's pre-wired with a 50A Twist-Lock® receptacle, installation time is significantly reduced. The 4 hole mounting pattern of the new FD box also provides added security for the device.



Cable Sets, Plugs, and Receptacles

Description	Catalog Number
50A pre-wired wall mounted receptacle, with 2 ft. wire leads.	SR50
50A cord set - 50 ft. cable (input/output).	SCB50
50A cord set - 100 ft. cable (input/output).	SCB100
60A, 3Ø 120/208V Pin and Sleeve reversed service plug (female).	HBL560P9WR
60A, 3Ø 120/208V Pin and Sleeve plug (male).	HBL560P9W
60A, 3Ø 120/208V Pin and Sleeve wall mounted receptacle.	HBL560R9W
1-1/4" hub 15 deg. non-metallic angle back box for 60A receptacle.	BB601W
1-1/2" hub 15 deg. metallic 4-way angle back box for 60A receptacle.	FW60100

Note: Consult factory for alternate cable lengths.



SR50



SCB50



HBL560R9W

Replacement Parts

Description	Catalog Number
20A, 125V straight blade receptacle.	HBL53R61
20A, 125V Safety-Shroud Twist-Lock receptacle.	HBL2310SW
30A, 250V Safety-Shroud Twist-Lock receptacle.	HBL2620SW
30A, 125/250V Reverse Service Safety-Shroud connector.	HBL2713SR
30A, 125/250V Reverse Service inlet.	HBL2715SWR
50A, 125/250V Twist-Lock receptacle.	CS6369
50A, 125/250V Twist-Lock inlet.	HBL6375S
60A, 3Ø 120/208V Pin and Sleeve reversed service receptacle (inlet).	HBL560B9R
60A, 3Ø 120/208V Pin and Sleeve receptacle (outlet).	HBL560R9W
60A, 3Ø 120/208V Pin and Sleeve reversed service plug (female).	HBL560P9WR
60A, 3Ø 120/208V Pin and Sleeve plug (male).	HBL560P9W
GFCI module.	GFMST20
50A Spider® supervisory kit.	SSK
60A Spider supervisory kit.	SSK60
Spider circuit breaker cover.	SCBC
Spider leg kit.	SLK
Spider leg kit, green.	SLKG
50A receptacle cover plate.	HBL77CM74WO



HBL2310SW



SCBC



GFMST20



SSK



HBL77CM74WO



CS6369



HBL2713SR

Dimensions in Inches (mm)

Temporary Power Distribution Boxes and Cables

Features and Benefits

- Durable hi-visibility yellow powder coated steel construction
- Hubbell 50 amp Twist-Lock® receptacle and inlet
- Six 20 amp straight blade or Twist-Lock covered receptacles
- Individual GFCI modules
- NEMA 3R enclosure
- Nesting leg design saves space in the warehouse and on the truck



TPDL – Twist-Lock
TPDS – Straight Blade



TPC50 – 50′ Cable
TPC100 – 100′ Cable

Temporary Power Distribution Boxes

Rating	Type	Qty	Receptacle Rating	Protection		Catalog Number
				Overload	GFI	
50A, 120/240V AC (Maximum)	Twist-Lock Twist-Lock Twist-Lock (Inlet) Twist-Lock (Outlet)	6 1 1 1	20A, 125V 30A, 250V 50A, 125/250V 50A, 125/250V	Yes Yes No No	Yes No No No	**TPDL**
50A, 120/240V AC (Maximum)	Straight Blade Twist-Lock Twist-Lock (Inlet) Twist-Lock (Outlet)	6 1 1 1	20A, 125V 30A, 250V 50A, 125/250V 50A, 125/250V	Yes Yes No No	Yes No No No	**TPDS**
Replacement GFCI module.						**HBLCGFM20**

Temporary Power Cables

Rating	CableType	Length	Male Device	Female Device	Weatherproof Boot	Catalog Number
50A, 125/250V	6/3, 8/1	50 ft.	**CS6365L**	**CS6364L**	No	**TPC50**
50A, 125/250V	6/3, 8/1	100 ft.	**CS6365L**	**CS6364L**	No	**TPC100**

Specifications

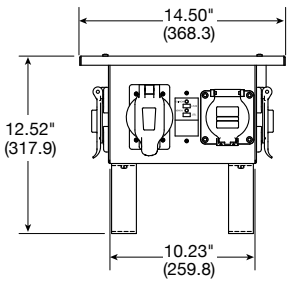
Boxes

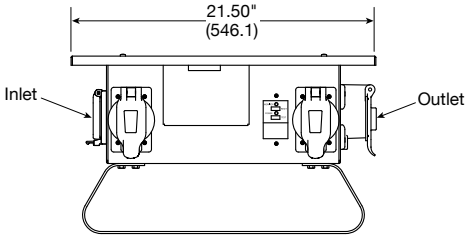
Listings/Certifications	UL1640, UL943
Operation	Indoor and outdoor wet and dry locations
Enclosure Type	3R, rainproof, suitable for use in damp locations
Code Compliance	NEC®, ANSI/NFPA 70

Cables

Listings/Certifications	Connectors: UL/CSA; Cable: MSHA
Operation	Indoor and outdoor wet and dry locations

Dimensions





Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Heavy-Duty Portable Outlet Boxes and Cover Plates

Description	Catalog Number
Box with cord strain relief, with one blank cover plate.	HBLPOB1
White box with cord strain relief, with one blank white cover plate.	HBLPOB1L
Box with cord strain relief, with one blank cover plate, black.	HBLPOB1BK
Box with cord strain relief, with two duplex (indoor) cover plates.	HBLPOB1D
White box with cord strain relief, with two white duplex (indoor) cover plates.	HBLPOB1DL
Box with cord strain relief, with two duplex (indoor), yellow cover plates.	HBLPOB1DY
Blank, non-metallic FS cover plate with foam gasket, gray.	HBLP14FS
Blank, non-metallic FS cover plate with foam gasket, white.	HBLP14FSL
Duplex, non-metallic FS cover plate, gray.	HBLP8FS
Duplex, non-metallic FS cover plate, white.	HBLP8FSL
Duplex, non-metallic FS cover plate, yellow.	HBLP8FSY
Single receptacle (1.39″), non-metallic FS cover plate, gray.	HBLP7FS
Single receptacle (1.56″), non-metallic FS cover plate, gray.	HBLP720FS
Rectangular opening, non-metallic FS cover plate, gray.	HBLP26FS
Rectangular opening, non-metallic FS cover plate, white.	HBLP26FSL



HBLPOB1

Other Cover Plates and Devices which may be used with Heavy-Duty Portable Outlet Boxes

Description	Catalog Number
Duplex cover plate, weatherproof. Single receptacle (1.39″) cover plate, weatherproof. Single receptacle (1.56″) cover plate, weatherproof. Safety-Shroud® Twist-Lock® surface receptacles.	HBL5221, HBL52CM21 HBL7423WO, HBL74CM23WO HBL7425WOA, HBL74CM25WOA HBL2310SR, HBL2320SR, HBL2330SR, HBL2610SR, HBL2620SR

Note: Standard product gray, CM yellow.



Cover Plates

Deluxe Cord Grips Straight Male Thread Nylon Fittings, Stainless Steel Mesh, Liquidtight, for Insulated Cables

Grip Diameter Range Inches	Grip Diameter Range (mm)	Thread Size NPT (inches)	Form Size	Catalog Number
.375″-.500″	(9.5-12.7)	3/4″	F3	074011335
.500″-.625″	(12.7-15.9)	3/4″	F3	074011336
.625″-.750″	(15.9-19.0)	3/4″	F3	074011337

Gray Nylon Cord Connector Straight Male Thread

Grip Diameter Range Inches	Grip Diameter Range (mm)	Thread Size NPT (inches)	Form Size	Catalog Number
.375″-.500″	(9.5-12.7)	3/4″	F3	SHC1035CR
.500″-.625″	(12.7-15.9)	3/4″	F3	SHC1036CR
.625″-.750″	(15.9-19.0)	3/4″	F3	SHC1037CR



Deluxe Cord Grips (purchased separately)

Specifications for Heavy-Duty Portable Outlet Boxes and Cover Plates

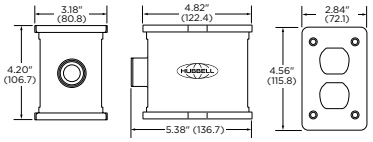
UL Listed CSA Certified	UL514C, UL467 and UL50 Enclosures Types 1, 3R. 94 Enclosures Types 1, 3R and C22.2 No. 0.4 (Impedance)
Box Specifications:	
Moisture Resistance	Wet and damp locations, enclosure Type 3R when used with weatherproof cover plates; Dry, indoors locations, enclosure Type 1 with all other cover
Flammability	UL94V-0, 94-5VA classification
Operating Temperature	80°C maximum; -35°C minimum
UV Resistance	All materials are UV stabilized
Impact and Crush Resistance	In accordance with UL514C, UL50, C22.2 No. 18 and C22.2 No. 94
Material	Valox®
Cord Connector Materials	Nylon nut; nylon Gotcha® ring; neoprene grommet
Cord Diameter Range	.38” to .75” diameter
Bonding Strap Material	Brass
Threaded Inserts	Brass
Grounding Screw Material	Brass
Indoor Cover Plate Screws Material	Zinc-plated steel
Outdoor Cover Plate Screws Material	Stainless steel
Cover Plate Gasket Material	UL recognized closed-cell foam (aging and oil resistant)



Gray Nylon Cord Connector

Dimensions

HBLPOB1



Dimensions in Inches (mm)

Construction Site Lighting

Hubbell's outdoor approved construction site lighting line includes light strings for working in rugged environments.

We have light strings for all applications in a variety of models as well as a choice of metal or plastic guards. Light sockets are spaced 10 feet apart and all sockets, plugs, and connectors are molded for added durability. In addition, the highly impact-resistant material makes for easy transportation and storage when not in use. Bulbs can be incandescent, fluorescent or LED. Consider choosing LED lighting for a durable bulb that saves energy, provides instant illumination and are rated to last 50,000 hours.



LED Stringer Lights

Description	No. of Fixtures	Rating	Cord Type	Lumen Output	Cord Length	Catalog Number
90 LEDs per fixture, light string with magnetic base included.	1	15A 125V	#18/2 SJTW	450*	20 ft.	**HBL182S20LED**
90 LEDs per fixture, light string.	5	15A 125V	#18/2 SJTW	450*	50 ft.	**HBL182S50LED**
	10	15A 125V	#18/2 SJTW	450*	100 ft.	**HBL182S100LED**
60 LEDs per fixture, light string with magnetic base included.	1	15A 125V	#18/2 SJTW	1,100*	20 ft.	**HBL182S20LEDH**
	5	15A 125V	#18/2 SJTW	1,100*	50 ft.	**HBL182S50LEDH**

*Note: *Lumens per fixture.*



HBL182S50LEDH

A Type (Edison) Twist-Lock® and Straight Blade Light Strings

Description	Max Watts**	Rating	Cord Type	Fixtures	Cord Length	Catalog Number
Twist-Lock light string; plastic guards.	150	20A 125V	#12/3 STJW	10	100 ft.	**HBL123SJ100PT**
Straight Blade light string; plastic guards.	150	15A 125V	#14/2 STJW	10	100 ft.	**HBL142SJ100PS**
	150	15A 125V	#14/3 STJW	10	100 ft.	**HBL143SJ100PS**
	150	15A 125V	#12/3 STJW	10	100 ft.	**HBL123SJ100PS**
Replacement plastic guard for temporary light strings.						**HBLSTPG**
Replacement heavy duty metal guard for temporary light strings.						**HBLSTMG**

*Note: **Max watts per fixture. HBL143SJ100PS light strings are rated for 1875 Watts total. The total wattage must be considered when daisy chaining light strings to each other.*



HBL143SJ100PS



HBLSTMC



HBLSTMG



HBLSTPG

Maintenance and Work Lights

Choose Hubbell industrial work lights for maximum user safety.
Portable work lights can be transported and re-mounted.
Long cords allow free movement in work space.



LED Maintenance Worklights

Description	Outlet Rating	Rating	Wattage	Lumen Output	Cord Type	Cord Length	Catalog Number
LED Industrial maintenance light, 1 vertical hanging hook included.	N/A	15A 125V	20	2400	#16/3 SJEOW	25 ft.	**HBLML2825L**
LED worklight with end light feature.	N/A	15A 125V	9	920/120	#18/2 SJTOW	25 ft.	**HBLWL25LED**
LED worklight with end light feature and tool tap.	12 Amp	15A 125V	9	920/120	#16/3 SJTOW	25 ft.	**HBLWL25LEDT**

Dimensions in Inches (mm)



HBLML2825L



HBLWL25LED

Features and Benefits

Drawing on over a hundred years of expertise, Hubbell Wiring Device-Kellems sets the standard for innovation, performance, durability, safety and convenience. Our philosophy is never leaving well enough alone. We believe we can always make our products better—and the record shows we have.

When it comes to stage pin products, we listened...

The result is a removable sleeve that is highly heat stable and heat resistant. It does not allow the heat generated at the connection to negatively impact the device. Like phenolic devices of the past, this modern innovation will provide for a cool running device that is simple and convenient to wire.

The super tough engineered thermoplastic enclosure makes the device:
• Lightweight • Impact resistant • Easy to handle

Our design delivers 'The Best of Both Worlds!'



Male Inline
(Open to Show Contacts)



Housing Design

- Durable thermoplastic construction is lightweight, highly durable thermoplastic body for maximum impact resistance
- Ergonomic shape for easy insertion and withdrawal from mating devices



Contacts

- High performance brass contacts provide improved performance and extended life by reducing operating temperatures
- Heat resistant sleeves patent pending, highly stable and heat resistant contact shrouds provide phenolic functionality with a modern twist



Safety

- Highly secure terminations, stainless steel double set screws with fine pitch threads maximize termination strength for cooler running connections
- Ring terminal and double set screw termination options are available for 60A and 100A panel mounts



Wiring

- Simplified wiring, with removable contacts that snap back into place for greater wiring flexibility and simplicity
- Adjustable strain relief, accommodates the widest range of cables all in one device while exceeding UL requirements

Single Cable Sets and Breakouts in One Device

Device	Cable Combination		Device	Cable Combination	
60A/125V	(3) #6 SC (6) #6 SC (2) #4 SC #8/3 #6/3 #4/3	(1) #6 SC TYPE W SOOW TYPE W	100A/125V 100A/250V	(2) #4 SC (4) #4 SC (2) #2 SC #6/3 AWG #4/3 AWG	(1) #6 SC (2) #6 SC (1) #6 SC TYPE W TYPE W



20, 60 & 100 Amp Stage Pin Devices

20 Amp Stage Pin Devices

Description	Voltage	Termination	Color	Catalog Number
Male inline male inline bulk pack male inline.	125V	Double Set Screw	Black Black Clear	**HBL20SPM** **HBL20SPMOEM** **HBL20SPMC**
Female inline female inline bulk pack female inline.	125V	Double Set Screw	Black Black Clear	**HBL20SPF** **HBL20SPFOEM** **HBL20SPFC**
Male panel mount (inlet) female panel mount.	125V	Double Set Screw	Black	**HBL20SPMR** **HBL20SPFR**



HBL20SPM



HBL20SPFR

60 Amp Stage Pin Devices

Description	Voltage	Termination	Color	Catalog Number
Male Inline female inline.	125V	Double Set Screw	Black	**HBL60SPM** **HBL60SPF**
Male panel mount.	125V	Double Set Screw Ring Terminal	Black	**HBL60SPMR** **HBL60SPMRRT**
Female panel mount.	125V	Double Set Screw Ring Terminal	Black	**HBL60SPFR** **HBL60SPFRRT**



HBL60SPF



HBL60SPMRRT

100 Amp Stage Pin Devices

Description	Voltage	Termination	Color	Catalog Number
Male inline female inline.	125V	Double Set Screw	Black	**HBL100SPM** **HBL100SPF**
Male panel mount.	125V	Double Set Screw Ring Terminal	Black	**HBL100SPMR** **HBL100SPMRRT**
Female panel mount.	125V	Double Set Screw Ring Terminal	Black	**HBL100SPFR** **HBL100SPFRRT**
Male inline female inline.	250V	Double Set Screw	Yellow	**HBL106SPM** **HBL106SPF**
Male panel mount.	250V	Double Set Screw Ring Terminal	Yellow	**HBL106SPMR** **HBL106SPMRRT**
Female panel mount.	250V	Double Set Screw Ring Terminal	Yellow	**HBL106SPFR** **HBL106SPFRRT**



HBL100SPF



HBL100SPMR



HBL106SPM



HBL106SPFR

Dimensions in Inches (mm)

Features and Benefits

Hubbell's newest offering of 60A, 4P 5W, 277/480V AC, pin and sleeve devices are specifically designed and built to meet the demanding needs of Convention Centers and provide reliable performance for power distribution.

These devices are certified to UL 1682 & UL 2305, with a light-weight, low profile, polycarbonate construction, that mate with the current installed base, and are able to accept both round and flat cable.





Housing Design

- Manufactured in a durable light-weight polycarbonate construction to withstand heavy impact
- Full Line: Plug, Connector, Receptacle, and Inlet
- 60A, 4P 5W, 277/480V AC



Contacts

- Brass pins to maximize conductivity



Safety

- First to mate and last to break ground pin
- Mates with existing installed base



Wiring

- Single device that accepts both round and flat cable

Convention Center Pin and Sleeve Devices

Convention Center Pin and Sleeve Devices

Description	Catalog Number
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Plug	**HBL5607P**
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Connector	**HBL5607C**
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Inlet	**HBL5607B**
Pin and Sleeve, 4P 5W, 60A 277/480V AC, Receptacle	**HBL5607R**



HBL5607P



HBL5607C



HBL5607B



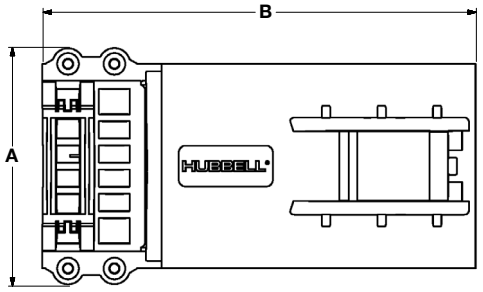
HBL5607R

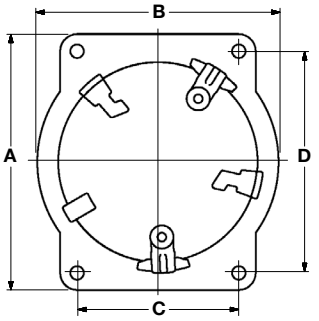
Specifications

Pole/Wire Configuration	4-pole, 5-wire grounding
Voltage Rating	60A, 277/480V AC
Material	Polycarbonate
Contacts	Brass

Product Dimensions Inches (mm)

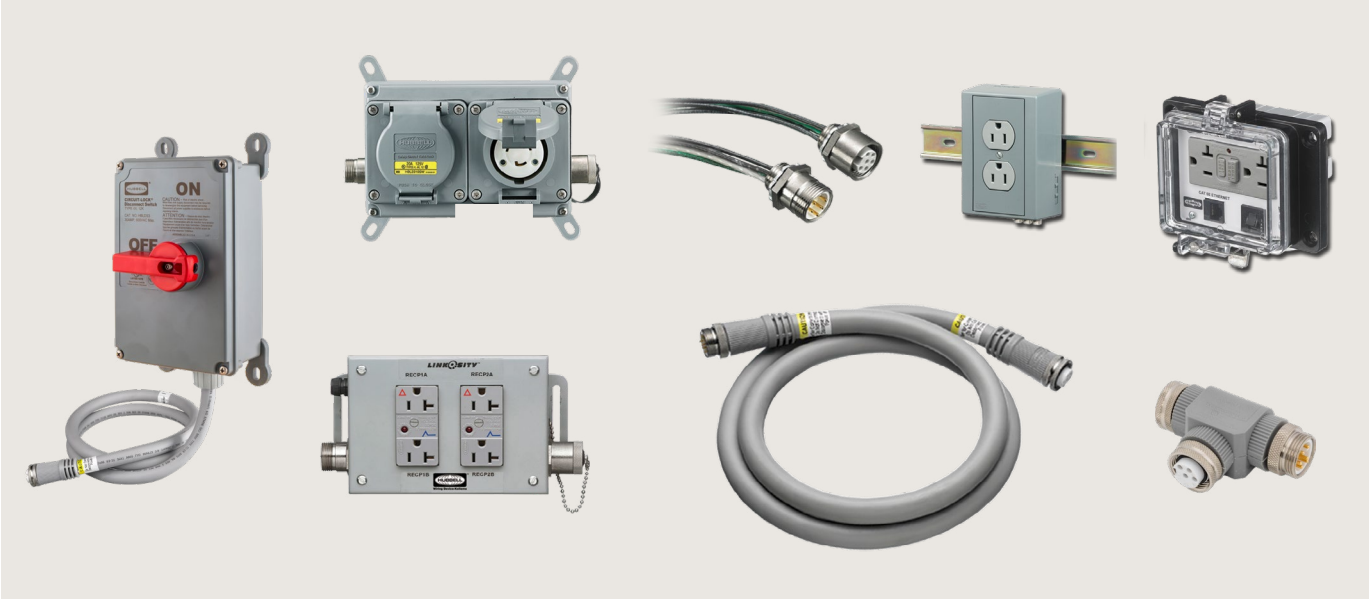
Catalog Number	A	B	C	D
HBL5607P	6.36″ (161.5)	3.46″ (87.9)	—	—
HBL5607C	6.49″ (164.8)	3.46″ (87.9)	—	—
HBL5607B	3.75″ (95.3)	3.37″ (85.5)	2.38″ (60.3)	3.25″ (82.6)
HBL5607R	3.75″ (95.3)	3.54″ (89.9)	2.38″ (60.3)	3.25″ (82.6)

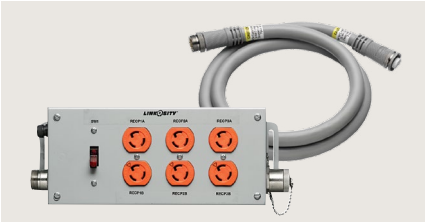




Dimensions in Inches (mm)

Table of Contents





LINKOSITY® Power Components



MotorQuick® Disconnect Switches



DRUB and PANEL-SAFE®

LINKOSITY Power Components

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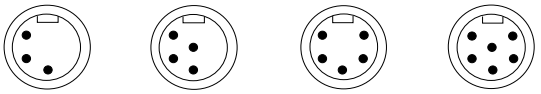
LINKOSITY® Power Components

Cables and Receptacles

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
 **PH** = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors	**20** = 20A up to 600V	**03** **04** **05**	PV = Green/Yellow Black (all others)	**001** = 1′ **005** = 5′ **010** = 10′ **015** = 15′ **020** = 20′ **025** = 25′ **030** = 30′ **035** = 35′ **040** = 40′ **045** = 45′ **050** = 50′
	23 = 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and #10 AWG super neutral conductor on 5 and 6 wire devices, PB color code only)	**03** **04** **05** **06**	PB = Green/Yellow White Black (all others)	
 **RF** = Female Receptacle with Nickle Coated Brass*  **RM** = Male Receptacle with Nickle Coated Brass*	**30** = 30A up to 600V	**04**	PV = Green/Yellow Black (all others)	
Example: **PH**	**23**	**06**	**PB**	**005**

*Note: *1/2" NPT rear thread.*
***Other color codes available upon request.*

Configurations (Male face view shown, female view is opposite)

20 AMP	
20 AMP SNIP (with super neutral and IG)	
30 AMP	

Tees

Description	Catalog Number
LINKOSITY M/F/F tee, 20A, 2P.	—
LINKOSITY M/F/F tee, 20A, 3P.	**TX2003002003T00**
LINKOSITY M/F/F tee, 20A, 4P.	**TX2004002004T00**
LINKOSITY M/F/F tee, 20A, 5P.	**TX2005002005T00**
LINKOSITY M/F/F tee, 20A SNIG, 4P.	**TX2304002304T00**
LINKOSITY M/F/F tee, 20A SNIG, 6P.	**TX2306002306T00**
LINKOSITY M/F/F tee, 20A SNIG, A phase tap.	**TX2306002304A00**
LINKOSITY M/F/F tee, 20A SNIG, B phase tap.	**TX2306002304B00**
LINKOSITY M/F/F tee, 20A SNIG, C phase tap.	**TX2306002304C00**
LINKOSITY M/F/F tee, 30A, 4P.	**TX3004003004T00**



TX2304002304T00

Closure Caps

Description	For use with Female Receptacle	Male Inlet
20A and 30A receptacle closure cap.	**CCMBC**	**CCFBC**



CCMBC

Dimensions in Inches (mm)

c UL us LISTED

Cables and Receptacles

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
 **PH** = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors  **RF** = Female Receptacle*  **RM** = Male Receptacle (Inlet)*	**10** = 10A - 3W, 4W, 5W 10A - 7W, 9W 7A - 12W up to 600V	**03** **04** **05** **07** **09** **12**	PV = Green/Yellow Black (all others)	**001** = 1′ **005** = 5′ **010** = 10′ **015** = 15′ **020** = 20′ **025** = 25′ **030** = 30′ **035** = 35′ **040** = 40′ **045** = 45′ **050** = 50′
Example: **PH**	**10**	**04**	**PV**	**005**

*Note: *1/2" NPT rear thread.*
***Other color codes available upon request.*

Configurations (Male face view shown, female view is opposite)

10 AMP					

*Note: *Reverse key.*

Splitters/Tees

Description	Catalog Number
LINKOSITY M/F/F splitter, 3A/4W.	**TX0304000304T00**
LINKOSITY M/F/F tee, 10A, 2 pole.	**TX1002001002T00**
LINKOSITY M/F/F tee, 10A, 3 pole.	**TX1003001003T00**
LINKOSITY M/F/F tee, 10A, 4 pole.	**TX1004001004T00**
LINKOSITY M/F/F tee, 10A, 5 pole.	**TX1005001005T00**
LINKOSITY M/F/F tee, 10A, 6 pole.	**TX1006001006T00**



TX1004001004T00

Closure Caps

Description	For use with Female Receptacle	Male Inlet
3A closure cap.	**CCM1C**	**CCF1C**
10A closure cap, 2, 3, 4, 4, 5 and 6 pole.	**CCMAC**	**CCFAC**
10A closure cap, 7 and 8 pole.	**CCMBC**	**CCFBC**
10A closure cap, 9, 10, 12 pole.	**CCMCC**	**CCFCC**



CCFAC

Dimensions in Inches (mm)

Power System Distribution Assemblies

- Available with up to 4 receptacles, wide variety of NEMA receptacle types
- LINKOSITY® power pass through option
- Fed with LINKOSITY power cable and receptacle
- Metal enclosure ANSI 61 gray powder coat NEMA 1
- Device identification marking
- Versatile mounting provision
- Accepts PH230X series cables



MSL3L1IGP

Straight Blade - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru	Custom Configurations*
M	**SL** = Switch Local **SM** = Switch Master **00** = No Switch	**1** **2** **3** **4**	**SG** = Spec Grade **HG** = Hospital Grade **CR** = Corrosion Resistant	**IG** = Isolated Ground **GF** = Ground Fault **00** = Standard	**P** = Pass-thru** **0** = No Pass-thru	**D** = 2 Circuit **A** = A Phase **B** = B Phase **C** = C Phase
Example: **M**	**SL**	**1**	**SG**	**00**	**P**	

Twist-Lock® - UL Type 1

Device Type	Switch Types	# Receps	Receptacle Type	Receptacle Feature	Pass-thru	Custom Configurations*
M	**SL** = Switch Local **SM** = Switch Master **00** = No Switch	**1** **2** **3** **4**	**L1** = 15A **L2** = 20A	**IG** = Isolated Ground **00** = Standard	**P** = Pass-thru **0** = No Pass-thru	6 = 250V
Example: **M**	**00**	**3**	**L1**	**IG**	**0**	

Note: Local switches control all receptacles in a box. Master switches control local and downstream receptacles.
Consult factory for alternate wiring schemes.
**Consult factory for wiring specifications and connecting cables.*
***Pass-thru on phase tap boxes are 3Ø.*

Switch Only (ON/OFF) - UL Type 1

Device Type	Switch Types	Switch Style	Poles
S	**1** = 1 Gang **2** = 2 Gang **3** = 3 Gang	**2W** = ON/OFF	**1P** = Single Pole **DP** = Two Pole
Example: **S**	**1**	**2W**	**1P**

Switch Only (3-Way) - UL Type 1

Device Type	Switch Types	Switch Style	Position
S	**1** = 1 Gang	**3W** = 3 Way	**M** = Main **R** = Remote **LM** = Line to Main **LR** = Load to Remote
Example: **S**	**1**	**3W**	**M**

Note: For use with Px2304PBxxx series cables.

Switch Only (4-Way) - UL Type 1

Device Type	Switch Types	Switch Style
S	**1** = 1 Gang	**4W** = 4 Way
Example: **S**	**1**	**4W**

Features

Receptacle Types		CR	HG	SG	L1
00	Standard	**HBL53CM62**	**HBL8300STGY**	**5362STGY**	**HBL4700ST**
IG	Isolated Ground	—	—	**CR5352IGGY**	**IG4700AST**
GF	Ground Fault	—	**GFR83GRY**	**GFRST20GY**	—
SS	—	—	—	—	—
Switch Types		**CR**	**HG**	**SG**	**L1**
SL	Local ON/OFF	—	—	**HBL1221STILR**	—
SM	Master ON/OFF	—	—	**HBL1221STILR**	—

Dimensions in Inches (mm)

c UL us LISTED

LINKOSITY® UL Type 3R and 4X Rated Assemblies

- Available with switch, ground fault, corrosion resistant or isolated ground receptacle types
- LINKOSITY power pass through option
- Fed with LINKOSITY power cable and receptacle
- UL Type 3R and 4X Rated
- Device identification marking
- Versatile mounting provision



LINKOSITY Feed - UL Type 3R Rated*

3R Rated Standard Items

Description	Catalog Number
20A 125v ground fault.	M3R002SGGF0
20a 125v switched, spec grade.	M3RSL1SG000
20a 125v switched, ground fault.	M3RSL1SGGF0
20a 125v spec grade.	M3R002SG000
20a 125v ground fault, pass-thru.	M3R002SGGFP
20a 125v switched, spec grade, pass-thru.	M3RSL1SG00P
20a 125v switched, ground fault, pass-thru.	M3RSL1SGGFP
20a 125v (2) switches.	M3R2SG000
20a 125v 1-gang ground fault.	M3R001SGGF0
20a 125v corrosion resistant.	M3R002CR000
20a 125v isolated ground.	M3R002SGIGP
20a 125v spec grade, pass-thru.	M3R002SG00P

*Note: *When cover closed.*





Device Type	Style	Type	No. of Devices	Device Type	Device Feature	Pass-Thru
M	**3R** = 3R Lids **3D** = 3R Deep Cover	**SL** = Switch Local **SM** = Switch Master **00** = None	**1** **2**	**SG** = Spec Grade **HG** = Hospital Grade **CR** = Corrosion Resistant **L1** = 15A Locking	**IG** = Isolated Ground **GF** = Ground Fault **SI** = Surge/IG **SS** = Surge **00** = Standard	**P** = Pass = Thru **0** = No **Pass** = Thru
Example: **M**	**3D**	**SM**	**2**	**CR**	**00**	**0**

Replacement Mounting Feet

Description	Catalog Number
For Power Distribution Assemblies.	HBLRFT1*

*Note: *Package of 10 mounting feet and 10 screws.*



Dimensions in Inches (mm)

Power System Distribution Assemblies

c UL us LISTED

LINKOSITY® Feed - UL Type 4X Rated**

4X Rated NEMA Standard Items

Description	Catalog Number
20A 125V Straight Blade†.	MLWF2010
20A 125V WTSSTL.	MLWF2020
20A 125V Straight Blade, Pass-Thru.	MLWF201P
20A 125V WTSSTL, Pass-Thru.	MLWF202P
20A 125/250V WTSSTL, No Pass-Thru.	MLWF2070
30A 125V WTSSTL, No Pass-Thru.	MLWF1050
30A 250V WTSSTL, No Pass-Thru.	MLWF1060
30A 125V WTSSTL, No Pass-Thru.	MLWF2050
30A 250V WTSSTL, No Pass-Thru.	MLWF2060

Note: †Straight Blade are UL Type 4X when not in use only.



Device Type	Style	Type	No. of Devices	Device Type	Pass-Thru
M	L = LINKOSITY	WF = Watertight Safety-Shroud Receptacle WM = Watertight Safety-Shroud Inlet	1 2	01 = 20A 125V Straight Blade† 02 = 20A 125V Twist-Lock 03 = 20A 250V Twist-Lock 04 = 20A 277V Twist-Lock 05 = 30A 125V Twist-Lock 06 = 30A 250V Twist-Lock 07 = 20A 125/250V Twist-Lock 08 = 20A 3Ø 250V Twist-Lock 09 = 20A 3Ø 480V Twist-Lock 10 = 30A125/250V Twist-Lock 11 = 30A 3Ø 250V Twist-Lock 12 = 30A 3Ø 480V Twist-Lock 13 = 30A 3Ø 600V Twist-Lock	P = Pass-Thru 0 = No Pass-Thru

Note: †Straight Blade are UL Type 4X when not in use only.

All LINKOSITY - UL Type 4X Rated•

4X Rated LINKOSITY Standard Items

Description	Catalog Number
20A 3W up to 600V, 4 Port.	M4L2003PB0
20A 3W up to 600V, 4 Port Pass-Thru.	M4L2003PBP

Conduit Feed - UL Type 4X Rated**

Conduit Feed Standard Items

Description	Catalog Number
20A 125V Straight Blade.	MCWF2010
20A 125V WTSSTL.	MCWF2020
20A 250V WTSSTL.	MCWF2030
20A 277V WTSSTL.	MCWF2040
30A 125V WTSSTL.	MCWF2050
30A 250V WTSSTL.	MCWF2060
20A 125/250V WTSSTL.	MCWF2070
20A 3Ø, 250V WTSSTL.	MCWF2080
20A 3Ø, 480V WTSSTL.	MCWF2090
30A 125/250V WTSSTL.	MCWF2100
30A 3Ø 250V WTSSTL.	MCWF2110
30A 3Ø 480V WTSSTL.	MCWF2120
30A 3Ø 600V WTSSTL.	MCWF2130

*Note: **Watertight Safety-Shroud® Twist-Lock® Plug required when in use.*
•Closure cap required when not in use.
Accepts PH2304 series cables.
WTSSTL is an abbreviation for Watertight Safety-Shroud® Twist-Lock®.



Device Type	Style	Type	No. of Poles	Conductor Colors	Pass - Thru
M	4L - LINKOSITY	20 - 20A 23 - 20A Super Neutral Isolated Ground 30 - 30A	02 03 04 05 06	PA - Green/Yellow Black (all others) PB - Green/Yellow White Black (all others)	P - Pass-Thru 0 - No Pass-Thru



Device Type	Style	Type	No. of Devices	NEMA Device Type	Pass-Thru
M	C - Conduit Feed	WF - Watertight Safety-Shroud Receptacles WM - Watertight Safety-Shroud Inlet	2	01 - 20A 125V Straight Blade 02 - 20A 125V Twist-Lock 03 - 20A 250V Twist-Lock 04 - 20A 277V Twist-Lock 05 - 30A 125V Twist-Lock 06 - 30A 250V Twist-Lock 07 - 20A 125/250V Twist-Lock 08 - 20A 3Ø 250V Twist-Lock 09 - 20A 3Ø 480V Twist-Lock 10 - 30A125/250V Twist-Lock 11 - 30A 3Ø 250V Twist-Lock 12 - 30A 3Ø 480V Twist-Lock 13 - 30A 3Ø 600V Twist-Lock	0 - No Pass-Thru

Replacement Mounting Feet

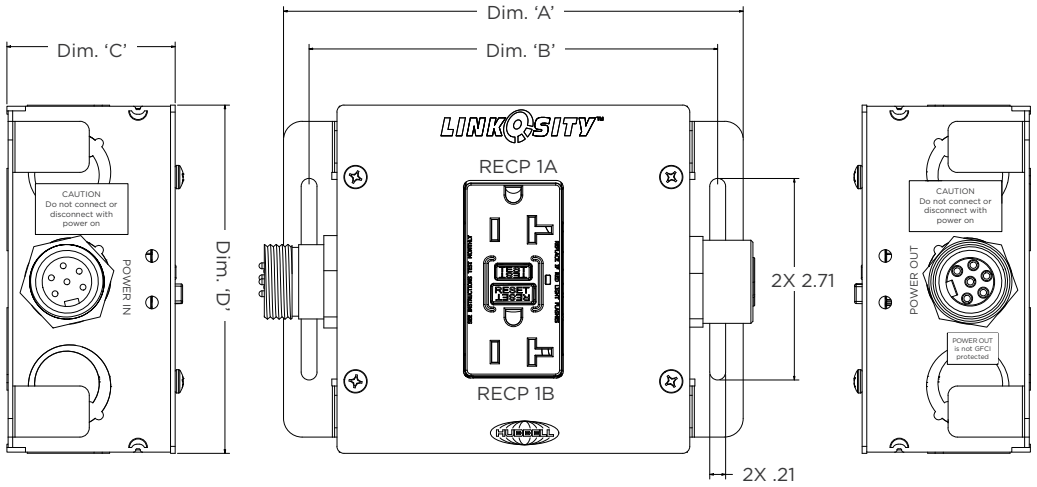
Description	Catalog Number
For power distribution assemblies.	HBLRFT1*

*Note: * Package of 10 mounting feet and 10 screws.*



Dimensions in Inches (mm)

c UL us LISTED



Catalog Number M001**P Shown**

Catalog Number	Gangs	Dimension 'A'	Dimension 'B'	Dimension 'C'	Dimension 'D'
M001****P	1	5.50" (139.7)	4.75" (120.7)	2.25" (57.2)	4.53" (115.1)
M002****P	2	7.50" (190.5)	6.75" (171.5)	2.25" (57.2)	4.53" (115.1)
M003****P	3	9.50" (241.3)	8.75" (222.3)	2.25" (57.2)	4.53" (115.1)
M004****P	4	11.50" (292.1)	10.75" (273.1)	2.25" (57.2)	4.53" (115.1)
—	5	13.50" (342.9)	12.75" (323.9)	2.25" (57.2)	4.53" (115.1)

LINKOSITY® Specifications

Certifications

System Level	ETL Classified to NEC
Component Assemblies (PSDA)	UL Listed
Connecting Components	Listed to UL2238 and UL 50
Cable (Up to #22 AWG)	UL 300V Type ITC/PLTC 105°C
Cable (#16 AWG and Up)	UL 600V Type TC-ER, MTW 90°C or STOOW 600V 105°C

Cable Diameter

Amps	Wires	O.D.
20	3	0.389
20	4	0.420
20	5	0.462
20	6	0.502
30	4	0.462

Performance

Electrical

Voltage	Up to 600V
Amperage	Up to 30A

Environmental

Connectivity System Components

Moisture Resistance	UL Type 4, 4X, 12 and 13
Ingress Protection	IP66 Suitability
Flammability	UL94HB Cables/UL94V-0 Receptacles

Power System Distribution Assemblies

Moisture Resistance	NEMA Type 1, Type 3R, Type 4X

Dimensions in Inches (mm)

MotorQuick® Disconnect Switches

IP69K SUITABILITY

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Housing Design

- Thermoplastic cover on plated steel base
- NEMA 1 enclosure
- Pre-wired with LINKOSITY® components
- Crush and impact resistance

Housing Design

- High impact Valox® enclosure
- Type 4X enclosure
- Permanent labelless marking
- Lockable handle to meet OSHA Lockout/Tagout regulations
- Cable Ratings: TC-ER, MTW, STOOW



HBLDS3MQ5

MotorQuick Disconnect Switches

Type 4X Non-Metallic Labelless Enclosure 30A 3 Pole 600V AC		
HBLDS3 with one pre-wired LINKOSITY female receptacle (load side).		HBLDS3MQR
HBLDS3 with 5 foot pre-wired LINKOSITY female cable (load side).		HBLDS3MQ5
HBLDS3 with one pre-wired LINKOSITY male receptacle (line side) and one pre-wired LINKOSITY female receptacle (load side).		HBLDS3MQR2
Type 4X Stainless Steel Enclosure 30A 3 Pole 600V AC	**Sloped Top**	**Square Top**
HBLDS3SS with one pre-wired LINKOSITY female receptacle (load side).	HBLDS3SSRMQR	HBLDS3SSMQR
HBLDS3SS with 5 foot pre-wired LINKOSITY female cable (load side).	HBLDS3SSRMQ5	HBLDS3SSMQ5
HBLDS3SS with one pre-wired LINKOSITY male receptacle (line side) and one pre-wired LINKOSITY female receptacle (load side).	HBLDS3SSRMQR2	HBLDS3SSMQR2



HBLDS3MQR



HBLDS3SSRMQR



HBLDS3SSMQR

Accessories

Description	Catalog Number
3P 4W LINKOSITY male receptacle for installation on motor.	RM3004PV001
3P 4W LINKOSITY female receptacle for installation in switch.	RF3004PV001
3P 4W LINKOSITY double ended (male/female) 5-50 foot cable.	PH3004PVxxx*
3P 4W LINKOSITY single ended (female) 5-50 foot cable.	PF3004PVxxx*
Cord connector, 3/4 in. NPT .63–.75 in. (16.0–19.1) diameter.	SHC1037CR
Lock-on cover for LINKOSITY connections.	PH2030C

*Note: *Cables available from 5-50 feet in 5 foot increments. To purchase larger cable, replace the xxx with the required length in feet. (Examples: PH3004PV 005 = 5 foot cable, PH3004PV 050 = 50 foot cable.)*

Sample Set Up

(1) HBLDS3MQR + (1) PH3004PVxx + (1) RM3004PV001 = Total Set Up**



*Note: ** Retrofit parts available for pre-existing disconnect switch installations. Please consult factory for availability.*



PH2030C

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

DIN Rail Utility Box

Hubbell's DIN Rail Utility Box offers a labor saving way to provide utility power to any control cabinet. Installing the DIN Rail Utility Box is as easy as snapping the box onto a 35mm DIN Rail and connecting the line, neutral and ground wires to the terminal block. Utility power for fans, lights, laptop computers, testers or any other power requirement. If load limiting is a concern, Hubbell's "CB" version comes with a 5 Amp circuit breaker that provides over-current protection to make sure that large loads are not drawn from the DIN Rail Utility Box. All Hubbell DIN Rail Utility Boxes may be mounted either vertically or horizontally on the DIN Rail; the "H" version comes with the terminal block mounted for easy wiring when the DIN Rail Utility Box is mounted horizontally.

Duplex Receptacles

Description	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Complete unit.	Gray	DRUB15	DRUB20
Complete unit, horizontal mount.	Gray	DRUB15H	—
Complete unit with 5A circuit breaker.	Gray	DRUB15CB5	—
Complete unit with 5A circuit breaker, horizontal.	Gray	DRUB15HCB5	—
Complete unit with aux.	Gray	—	DRUB20AC
Complete unit with aux and 5A circuit breaker.	Gray	—	DRUB20ACCB5
Complete unit with NEMA® 6-20R duplex (250V).	Gray	—	DRUB5462**

GFCI Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	DRUBGFI15	DRUBGFI20
Complete unit, horizontal.	Gray	DRUBGFI15H	—
Complete unit with 5A circuit breaker.	Gray	DRUBGFI15CB5	—
Complete unit with 5A circuit breaker, horizontal.	Gray	DRUBGFI15HCB5	—
Complete unit with aux GFCI contacts.	Gray	DRUBGFI15AC	DRUBGFI20AC
Complete unit, faceless with aux GFCI contacts.	Gray	—	DRUBGFI20BFAC

TVSS Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	DRUBTVSS15	—
Complete unit with aux contacts.	Gray	DRUBTVSS15AC	—

Isolated Ground* Duplex Receptacles

Description	Color	Catalog Number	
Complete unit.	Gray	DRUBIG15	—

Toggle Switch Unit

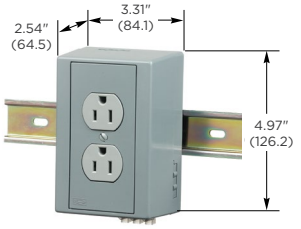
Description	Color	Catalog Number
Complete unit with HBL1221.	Gray	DRUB1221AC
Complete unit with 15A 125V SW/REC.	Gray	DRUB6404

DIN Rail Utility Box Components

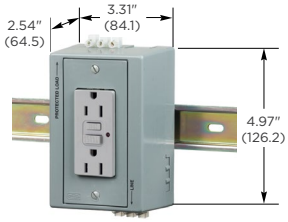
Description	Color	Catalog Number
Pre-wired kit without circuit breaker.	Gray	DRUBKIT
Pre-wired kit with circuit breaker.	Gray	DRUBKITCB5
Pre-wired kit with aux.	Gray	DRUBKITAC
Pre-wired kit with circuit breaker and aux.	Gray	DRUBKITACCB5
Communications kit (unloaded) (For use with network wiring frames in section AA).	Gray	HIDRUBCKIT
Switch plate only.	Gray	KP1GY***
Rectangular opening plate only.	Gray	KP26GY***
1.60 in. opening plate only.	Gray	KP720GY***
1.40 in. opening plate only.	Gray	KP7GY***
Duplex receptacle plate only.	Gray	KP8GY***

*Note: *See section O for additional information on isolated ground devices.*
***DRUB5462 configuration not pictured.*
****UL Listed, CSA Certified.*

NEMA® is a registered trademark of the National Electrical Manufacturers Association.



DRUB15



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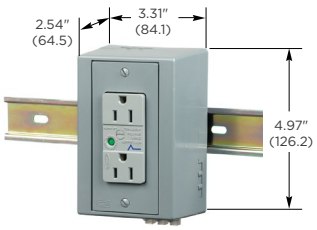

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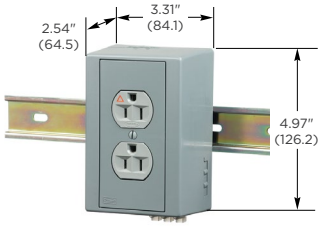

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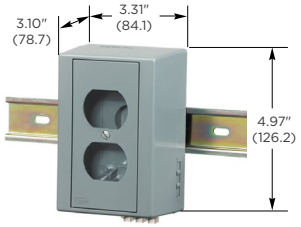


HIDRUBCKIT

Dimensions in Inches (mm)

PANEL-SAFE® Power and Data

IP66 SUITABILITY

NFPA 70E Compliant

Features and Benefits

An arc flash is a short circuit that travels through air from one live circuit to another. Problems including gaps in insulation, dust or corrosion on the surface of a conductor, or even use of substandard components can cause a serious safety hazards and equipment failures. Arc flash incidents can be extremely costly to a business and can result in serious or even fatal burns, as well as damage to eyesight. Hubbell PANEL-SAFE® provides through door access to live electrical components without having to open the enclosure.

- Available in Type 4, 12 and 4X versions with protective clear cover
- Provides overcurrent protection for both power and data access ports
- Ensures safety with finger-safe contacts and Hubbell



Available in NEMA TYPE 4, 12 and NEMA TYPE 4X Versions!



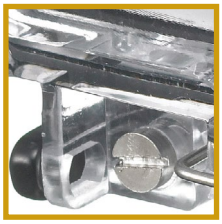
Housing Design

- Rugged, nickel-plated hardware, excellent corrosion and abuse resistance
- Protective clear cover
- Operating temperature -20°C to 110°C



Internal Design

- Hubbell GFCI with functionality indicator
- Cat. 5e Ethernet access*
- Overcurrent protection



Housing Design

- Locking hasp accepts 5/32" padlock
- Supplemental "tool" entry screw closure



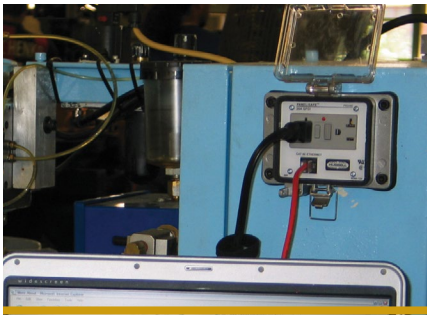
Internal Design

- Additional convenience outlet on GFCI versions
- Finger-safe contacts
- Stainless steel snap latch

Specifications

Material	GFCI - conforms to UL 943 2006 requirement. In-Cabinet Receptacle - GFCI protected. Data Jack - Cat. 5e. Circuit Breaker - 3A.
Mechanical	Cover - Clear Polycarbonate (UV Rated). Housing - Cast Aluminum. Finish - Powder Coat. Latch - Stainless steel.
Environmental Certification	Enclosure - NEMA Type 4, 12 and NEMA Type 4X. UL Recognized. CSA Certified.

Application



NFPA 70E Compliant

PANEL-SAFE Power Only

Description	NEMA TYPE 4	NEMA TYPE 4X
15A 125V GFCI with In-Cabinet Receptacle.	PR20	—

PANEL-SAFE Data Only

Description	NEMA TYPE 4	NEMA TYPE 4X
Cat. 5e Ethernet Access only.	P5E	P4X5E
DB9 Interface Connector only.	PDB9	—
PANEL-SAFE Data Port with DB9 Connector.	PDB9MF	—
DH + Combo (DB9/8M Din) and Cat. 5e Ethernet.	PDH5E	—
PANEL-SAFE Data Port, (2) USBA, 3 ft. Cable.	—	P4XUSBA2C3

PANEL-SAFE Power and Data

Description	NEMA TYPE 4	NEMA TYPE 4X
15A 125V GFCI with In-Cabinet Receptacle and Cat. 5e Ethernet Access.	PR205E	PR4X205E
15A 125V GFCI with In-Cabinet Receptacle, Cat. 5e Ethernet Access and 3A Circuit Breaker.	PR205EB	PR4X205EB
PANEL-SAFE with 15A GFCI and Cat.5e, 3A USB.	PR205EUSBA	—
PANEL-SAFE with 15A GFCI and Cat.5e, (2) 3A USB.	PR205EUSBA2	—
15A 125V GFCI Power and Cat. 5e Ethernet, DH + Combo (DB9/8M Din).	P20DH5E	—
PANEL-SAFE with 15A GFCI and Cat.5/DB9.	P205EDB9	—
15A 125V Power and Cat. 5e Ethernet Access.	P155E	P4X155E
15A 125V Power, Cat. 5e Ethernet Access and 3A Circuit Breaker.	P155EB	P4X155EB
15A 125V Power and (2) Cat. 5e Ethernet Access.	P155E2	—

Note: Additional computer interfaces, PLC connections and configurations available upon request. Consult factory for catalog number and availability.


PR20


P5E


PDB9MF


P4XUSBA2C3


PR205EUSBA2


PR205EB


P155E


P155EB

Dimensions in Inches (mm)

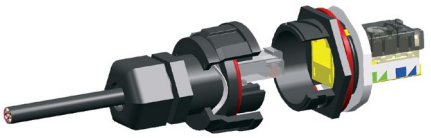
HI-IMPACT Industrial Ethernet Connectors

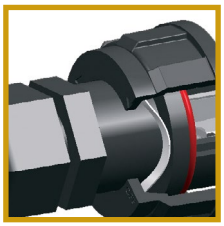
Features and Benefits

c UL us LISTED

Hubbell's Industrial Ethernet System provides leading edge Category 5e and 6 network transmission performance suitable for industrial and other harsh environments. This system incorporates the use of our standard data connectivity jacks which feature our keystone latching mechanism, in a rugged sealed housing providing IP67 rated protection.

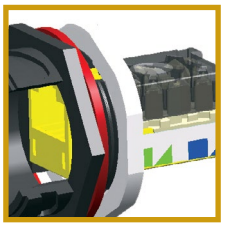
Extend your LAN to include automation equipment and manufacturing or process control equipment. Utilize the Hubbell system to provide added protection in harsh environments such as convention centers, food processing plants, outdoor billboards and display screens, medical and other environments which require added protection from moisture, corrosion, dust-debris, vibration and chemicals.





Housing Design

- Housing made from high impact polymer
- O-rings for moisture protection
- Sealed connection is IP67 rated



Internal Design

- Category 6 and 5e component connectors
- Standard Hubbell keystone latching system

Industrial Ethernet Connectors

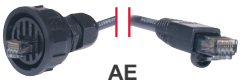
Description	Cat. 6	Cat. 6 Inline Coupler
Connector.	HI6	HI6C



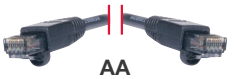
Industrial Ethernet Patch Cords and Plugs

Description	Catalog Number
HI-IMPACT RJ-45 to standard RJ-45.	HI603AE*
HI-IMPACT RJ-45 on both ends.	HI603EE*
Standard RJ-45 on both ends.	HI603AA*

*Note: *Additional lengths in feet: 05, 07, 10, 15, 20, 25, 30, 35, 40, 45, 50.*


AE


EE


AA

Coupler Housing and Connector Cap

Description	Catalog Number
HI-IMPACT coupler housing is a perfect solution for temporary and flexible work areas where single port drops are needed. Add any HI-IMPACT connector to support your application.	HICH
Connector cap.	HIC


HICH

HI-IMPACT Wallplates

Description	1-Gang 1-Port Opening	1-Gang 2-Port Openings	2-Gang 2-Port Openings	2-Gang 4-Port Openings
Stainless steel wallplate.	HISF11	HISF12	HISF22	HISF24


HIC

Environmental Specifications

Ingress Protection	NEMA TYPE 4X (connectors). IP67 and IP66 (dust/water). IP55 (plates).
Corrosion	Resistant to most common chemicals, oils and cleaning agents.
HI-Impact Housing	UV resistant.
Temperature Range	TIA/EIA-568-B.2 -25°C to 70°C.

Material

HI-Impact Housing	Valox®, UL 94V-0.
Nose Contacts:	Beryllium copper with a minimum of 50 micro-inch gold plating over nickel under plating.

Mechanical

Vibration	
Frequency Range	V10-500Hz.
Acceleration	5g (operational).
Mating Cycles	750 minimum.
UL 1863 compliant.	

Electrical

ANSI/TIA/EIA-568-B.2-1 (Cat. 6 and 5e).
Supports TIA-1005 Industrial Telecommunications Infrastructure.


HISF11

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)





inREACH® Industrial and Industrial Weatherproof Cord Reels



Commercial and Lighted Cord Reels



Tool Balancers

inREACH Motorized Cord Reels. K-2

inREACH Industrial & Industrial Weatherproof Cord Reels

- Features and Benefits. K-4
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- Heavy Duty Industrial Weatherproof Reels K-7
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Commercial Cord Reels. K-9

Static Discharge Reels. K-10

Tool Balancers K-11

Tool Balancer Accessories K-12

inREACH® Motorized Cord Reels

Features and Benefits

Hubbell's inREACH motorized cord reels provide a safer and more accessible cable management solution than ever before. With the press of a switch, users can easily access power cords from above.

- Durable, corrosion resistant cast aluminum housing and base
- UL Type 13
- Multi-Position Guide Arm can be mounted in two different positions
- Ratchet lock automatically maintains desired cord length or can be disengaged in the field for constant tension applications



Motorized Cord Reels

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight lbs (kg)	Catalog Number
White motorized reel without end effectors.	20	125	25 (7.6)	12/3 SJO	32 (14.5)	**HBLM25123**
Black motorized reel without end effectors.	20	125	25 (7.6)	12/3 SJO	32 (14.5)	**HBLM25123BLK**
White motorized reel with white cable and no end effectors.	20	125	25 (7.6)	12/3 SJO	32 (14.5)	**HBLMWC25123**
White motorized reel with (1) 20A Insulgrip plug.	20	125	25 (7.6)	12/3 SJO	33 (15.0)	**HBLM25123C20***
White motorized reel with (2) 20A tamper resistant duplex recpetacles.	20	125	25 (7.6)	12/3 SJO	34 (15.4)	**HBLM25123R220M1***
White motorized reel with (1) 20A tamper resistant duplex receptacle.	20	125	25 (7.6)	12/3 SJO	34 (15.4)	**HBLM25123GF20M1***
White motorized reel with GFCI module and (2) 20A duplex receptacles.	20	125	25 (7.6)	12/3 SJO	34 (15.4)	**HBLM25123GF220M1***
White reel with a white cord and (2) 20A duplex receptacles.	20	125	25 (7.6)	12/3 SJO	34 (15.4)	**HBLMWC25123R220M2***
Black motorized reel with (2) tamper resistant duplex recpetacles.	20	125	25 (7.6)	12/3 SJO	34 (15.4)	**HBLM25123BLKR220M1***
White motorized reel without end effectors.	20	125/250	25 (7.6)	12/4 SJO	33 (15.0)	**HBLM25124**
White motorized reel with (1) L14 20A Twist Lock® plug and (1) female L14 plug.	20	125/250	25 (7.6)	12/4 SJO	34 (15.4)	**HBLM25124C**
White motorized reel with (1) L14 20A Twist Lock® plug and (2) 20A duplex receptacles.	20	125/250	25 (7.6)	12/4 SJO	34 (15.4)	**HBLM25124SC**
White motorized reel without end effectors.	20	125	45 (13.7)	12/3 SJO	35 (15.9)	**HBLM45123**
Black motorized reel without end effectors.	20	125	45 (13.7)	12/3 SJO	35 (15.9)	**HBLM45123BLK**
White motorized reel with white cable and no end effectors.	20	125	45 (13.7)	12/3 SJO	35 (15.9)	**HBLMWC45123**
White motorized reel with (1) 20A Insulgrip® plug.	20	125	45 (13.7)	12/3 SJO	36 (16.3)	**HBLM45123C20**
White motorized reel with (2) 20A duplex receptacles.	20	125	45 (13.7)	12/3 SJO	37 (16.8)	**HBLM45123R220M1**
White motorized reel with (1) 20A tamper resistant duplex receptacle.	20	125	45 (13.7)	12/3 SJO	37 (16.8)	**HBLM45123GF20M1**
White motorized reel with GFCI module and (2) 20A duplex receptacles.	20	125	45 (13.7)	12/3 SJO	37 (16.8)	**HBLM45123GF220M1**
White reel with a white cord and (2) 20A duplex receptacles.	20	125	45 (13.7)	12/3 SJO	37 (16.8)	**HBLMWC45123R220M2**
Black motorized reel with (2) tamper resistant duplex recpetacles.	20	125	45 (13.7)	12/3 SJO	37 (16.8)	**HBLM45123BLKR220M1**
White motorized reel without end effectors.	20	125/250	45 (13.7)	12/4 SJO	37 (16.8)	**HBLM45124**
White motorized reel with (1) L14 20A Twist Lock® plug and (1) female L14 plug.	20	125/250	45 (13.7)	12/4 SJO	37 (16.8)	**HBLM45124C**
White motorized reel with (1) L14 20A Twist Lock® plug and (2) 20A duplex receptacles.	20	125/250	45 (13.7)	12/4 SJO	36 (16.3)	**HBLM45124SC**

*Note: Configured reels are supplied with HBL5366CST on the power supply cord. | *Options also available in 45 feet. Modify the length indication in the catalog number (ex. HBLM45123C20) | **For white cord, modify part number to HBLMWCxxxxx. Ex. HBLMWC25123. For black housing, add suffix "BLK". Ex. HBLM45123BLK.*

Dimensions in Inches (mm)

Motorized Cord Reels

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight lbs (kg)	Catalog Number
White motorized reel without end effectors.	20	125V	75 (22.9)	12/3 SJO	40 (18.1)	**HBLM75123**
White motorized reel without end effectors.	20	125/250	75 (22.9)	12/4 SJO	43 (19.5)	**HBLM75124**
White motorized reel with (1) L14 20A Twist Lock® plug and (1) female L14 plug.	20	125/250	75 (22.9)	12/4 SJO	37 (16.8)	**HBLM75124C**
White motorized reel with (1) L14 20A Twist Lock® plug and (2) 20A duplex receptacles.	30	125/250	25 (7.6)	10/4 SJO	36 (16.3)	**HBLM25104SC**
White motorized reel without end effectors.	30	125	45 (13.7)	10/3 SJO	40 (18.1)	**HBLM45103**
White motorized reel without end effectors.	30	125/250	45 (13.7)	10/4 SJO	45 (20.4)	**HBLM45104**
White motorized reel with (1) L14 20A Twist Lock® plug and (1) female L14 plug.	30	125/250	45 (13.7)	10/4 SJO	36 (16.3)	**HBLM45104C**
White motorized reel with (1) L14 20A Twist Lock® plug and (2) 20A duplex receptacles.	30	125/250	45 (13.7)	10/4 SJO	36 (16.3)	**HBLM45104SC**
White motorized reel without end effectors.	30	125	60 (18.3)	10/3 SJO	44 (22.0)	**HBLM60103**

*Note: Configured reels are supplied with HBL5366CST on the power supply cord. | *Options also available in 45 feet. Modify the length indication in the catalog number (ex. HBLM45123C20) | **For white cord, modify part number to HBLMWCxxxxx. Ex. HBLMWC25123. For black housing, add suffix "BLK". Ex. HBLM45123BLK.*

Motorized Cord Reels

Description	Catalog Number
Low voltage, decorator push-button switch, single pole, momentary contact, 100mA 30V DC, two button, white.	**DSM30W2**
Low voltage, specification grade, toggle switch, momentary, single pole double throw, 5A 24V DC, white.	**HBL1557WLV**
Industrial grade, toggle switch, momentary single pole, double throw center off, 15A 120/277V AC.	**HBL1556LW**
Locking key for HBL1556LW.	**HBL1209**
Industrial grade, toggle switch, momentary single pole, double throw center off, 15A 120/277V AC.	**HBL1556W**
Mounting bracket.	**HBLIMB**
Mounting bracket with junction box mount.	**HBLIMBJ**
Plenum rated enclosure.	**HBLIPRBOX**



HBLM25123



HBLM25123BLK



HBLMWC25123



HBLM25123C20



HBLM25123R220M1

Dimensions in Inches (mm)

inREACH® Industrial Weatherproof Cord Reels

Hubbell's newly redesigned inREACH Industrial and Industrial Weatherproof Cord Reels improve existing user safety and maximize efficiency by managing cord and power in a safe and organized manner, while also meeting the most demanding industrial environment needs for years with little to no maintenance.

inREACH Industrial and Industrial Weatherproof Cord Reels are listed to UL 355 and CSA, C22.2 No. 308 with a durable, lightweight low profile cast aluminum construction. inREACH Reels also feature a newly designed mounting plate that allows for a quick easy installation on any surface.



inREACH

No matter what your need, Hubbell will always be inREACH!



inREACH Industrial Cord Reels

- Durable, corrosion resistant cast aluminum construction
- Multi-position guide arm can be mounted in two positions
- Ratchet lock can be disengaged in field for constant tension applications

inREACH Industrial Cord Reels

Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight lbs. (kg)	Black Reel	White Reel	Yellow Reel
10	250	45 (13.7)	16/3 SJO 16/4 SJO	22.9 (10.4) 23.6 (10.7)	— —	**HBLI45163** **HBLI45164**	**HBLI45163Y** **HBLI45164Y**
15	250	45 (13.7)	14/3 SJO 14/4 SJO	24.0 (10.9) 25.4 (11.5)	— —	**HBLI45143** **HBLI45144**	**HBLI45143Y** **HBLI45144Y**
20	250	45 (13.7)	12/3 SJO 12/3 SJO 12/4 SJO	26.5 (12.0) 26.5 (12.0) 29.8 (13.5)	**HBLI45123BLK** — —	**HBLI45123** **HBLIWC45123**** **HBLI45124**	**HBLI45123Y** — **HBLI45124Y**
		25 (7.6)	12/3 SJO 12/4 SJO	23.4 (10.6) 24.5 (11.1)	— —	**HBLI25123** **HBLI25124**	**HBLI25123Y** —
18	250	70 (21.3)	12/3 SJO	79.6 (36.1)	—	**HBLI70123***	—
18	250	90 (27.4)	12/3 SJO	86.5 (39.2)	—	**HBLI90123***	—
16	250	80 (24.4)	12/4 SJO	85.1 (38.6)	—	**HBLI80124***	—
30	250	45 (13.7)	10/3 SJO	32.4 (14.7)	—	**HBLI45103**	**HBLI45103Y**
		40 (12.2)	10/4 SJO	33.7 (15.3)	—	**HBLI40104**	**HBLI40104Y**
		25 (7.6)	10/3 SJO	26.0 (11.8)	—	**HBLI25103**	**HBLI25103Y**
25 25	250 250	80 (24.4) 80 (24.4)	10/3 SJO 10/4 SJO	104.3 (47.3) 113.3 (51.4)	— —	**HBLI80103*** **HBLI80104***	— —

*Note: *See page K-5 for compatible mounting brackets. | **Supplied with White cable.*



HBLI45123



HBLI45123BLK



HBLI45103Y

Dimensions in Inches (mm)

Features and Benefits

- Durable, corrosion resistant cast aluminum construction
- Multi-position guide arm can be mounted in two positions
- Ratchet lock can be disengaged in field for constant tension applications

Labor Savings are inREACH!







HBLI45123C20

inREACH Industrial Cord Reels Connector Ends

Description		Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight lbs. (kg)	Catalog Number
White Industrial Reel.	with HBL5269CST	15	125	45 (13.7)	14/3 SJO	24.0 (10.9)	HBLI45143C15
	with HBL5369CST with HBL2313	20	125	45 (13.7)	12/3 SJO	26.5 (12.0) 26.5 (12.0)	HBLI45123C20 HBLI45123TL20
White Industrial Reel with Yellow Portable Outlet Box.	(1) 15A Duplex Receptacle (2) 15A Duplex Receptacles	15	125	45 (13.7)	14/3 SJO	26.5 (12.0) 26.5 (12.0)	HBLI45143R15 HBLI45143R215
	GFCI Module and (1) 15A Duplex Receptacle GFCI Module and (2) 15A Duplex Receptacles	15	125	45 (13.7)	14/3 SJO	26.5 (12.0) 26.5 (12.0)	HBLI45143GF15 HBLI45143GF215
White Industrial Reel with Black Portable Outlet Box.	(1) 15A Duplex Receptacle (2) 15A Duplex Receptacles	15	125	45 (13.7)	14/3 SJO	26.5 (12.0) 26.5 (12.0)	HBLI45143R15M1 HBLI45143R215M1
	GFCI Module and (2) 15A Duplex Receptacles	15	125	45 (13.7)	14/3 SJO	26.5 (12.0)	HBLI45143GF215M1
White Industrial Reel with Yellow Portable Outlet Box .	(1) 20A Duplex Receptacle (2) 20A Duplex Receptacles	20	125	45 (13.7)	12/3 SJO	26.5 (12.0) 26.5 (12.0)	HBLI45123R20 HBLI45123R220*
	GFCI Module and (1) 20A Duplex Receptacle GFCI Module and (2) 20A Duplex Receptacles	20	125	45 (13.7)	12/3 SJO	26.5 (12.0) 26.5 (12.0)	HBLI45123GF20 HBLI45123GF220*
White Industrial Reel with Black Portable Outlet Box.	(1) 20A Duplex Receptacle (2) 20A Duplex Receptacles	20	125	45 (13.7)	12/3 SJO	26.5 (12.0) 26.5 (12.0)	HBLI45123R20M1 HBLI45123R220M1*
	GFCI Module and (2) 20A Duplex Receptacles	20	125	45 (13.7)	12/3 SJO	26.5 (12.0)	HBLI45123GF220M1*
White Industrial Reel with Triple Tap .	GFCI Module and Triple Tap Outlet	15	125	45 (13.7)	12/3 SJO	26.5 (12.0)	HBLI45123GFTT


HBLI45143C15


HBLI45123TL20


HBLI45123R20


HBLI45123GF20

Note: 15A reels are supplied with HBL5266CST on the power supply cord. 20A reels are supplied with HBL5366CST on the power supply cord.
For shorter cable lengths, modify length indication in catalog number (i.e. HBLIXX); 25ft lengths are available.
For yellow reel, add 'Y' suffix to catalog number.
** For Kellems strain relief grip, add "K" suffix to catalog number.*

inREACH Accessories

Description	Weight lbs. (kg)	Catalog Number
Mounting bracket. Mounting bracket with junction box mount.	2.5 (1.1) 3.0 (1.4)	HBLIMB HBLIMBJ
Mounting bracket. Mounting bracket with junction box mount.	3.5 (1.6) 4.0 (1.8)	HBLIACCMB* HBLIACCMBJ*
340° pivot base.	3.5 (1.1)	HBLI340PB
Replacement stop.	0.2 (.09)	HBLI16BS HBLI14BS HBLI12BS HBLI10BS


HBLIMB


HBLIMBJ


HBLI340PB


HBLI16BS


HBLI45123GF220M1


HBLI45123GFTT

*Note: *Compatible with cord reel models from page K-4 marked with a single asterisk (*).*

Plenum Rated Enclosure for inREACH Cord Reels

Description	Weight lbs. (kg)	Catalog Number
Plenum rated enclosure.	30 lbs. (13.6)	HBLIPRBOX

Note: Check with manufacturer for compatible cord reel models.


HBLIPRBOX

Dimensions in Inches (mm)

inREACH® Industrial Weatherproof Cord Reels

Features and Benefits

- UL Type 4 environmental listing
- 600V AC, SOW Type Cable
- Durable, corrosion resistant cast aluminum construction
- Multi-position guide arm can be mounted in two positions
- Ratchet lock can be disengaged in field for constant tension applications



HBLW45143

inREACH Industrial Weatherproof Cord Reels

Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight lbs. (kg)	Yellow Reel	White Reel
10	600	45 (13.7)	16/3 SOW 16/4 SOW	23.6 (10.7) 25.6 (11.6)	**HBLW45163** **HBLW45164**	**HBLW45163W** **HBLW45164W**
15	600	45 (13.7)	14/3 SOW 14/4 SOW	28.2 (12.8) 30.0 (13.6)	**HBLW45143** **HBLW45144**	**HBLW45143W** **HBLW45144W**
18 16	600	80 (24.4) 75 (22.9)	12/3 SOW 12/4 SOW	97.5 (44.2) 107.4 (48.7)	— —	**HBLW80123W*** **HBLW75124W***
20	600	45 (13.7)	12/3 SOW	31.3 (14.2)	**HBLW45123**	**HBLW45123W**
		40 (12.2)	12/4 SOW	32.2 (14.6)	**HBLW40124**	**HBLW40124W**
		25 (7.6)	12/3 SOW	24.9 (11.3)	**HBLW25123**	**HBLW25123W**
25 20	600	75 (22.9) 75 (22.9)	10/3 SOW 10/4 SOW	103.8 (47.1) 116.2 (52.7)	— —	**HBLW75103W*** **HBLW75104W***
30	600	40 (12.2)	10/3 SOW	33.3 (15.1)	**HBLW40103**	**HBLW40103W**
		35 (10.7)	10/4 SOW	34.2 (15.5)	**HBLW35104**	**HBLW35104W**
		25 (7.6)	10/4 SOW	30.2 (13.7)	**HBLW25104**	**HBLW25104W**
40 30 35	600	45 (13.7) 60 (18.3) 45 (13.7)	8/3 SOW 8/3 SOW 8/4 SOW	106.5 (48.3) 123.2 (55.9) 122.8 (55.7)	— — —	**HBLW4583W*** **HBLW6083W*** **HBLW4584W***
55 55	600	45 (13.7) 45 (13.7)	6/3 SOW 6/4 SOW	123.0 (55.8) 126.7 (57.5)	— —	**HBLW4563W*** **HBLW4564W***
14 6	600	45 (13.7) 45 (13.7)	12/8 SOW 14/12 SOW	107.4 (48.7) 113.5 (51.5)	— —	**HBLW45128W*** **HBLW451412W***



HBLW45123W



HBLW45143



HBLW40103

inREACH Accessories

Description	Weight lbs. (kg)	Catalog Number
Mounting bracket. Mounting bracket with junction box mount.	2.5 (1.1) 3.0 (1.4)	**HBLIMB** **HBLIMBJ**
Mounting bracket. Mounting bracket with junction box mount.	3.5 (1.6) 4.0 (1.8)	**HBLIACCMB*** **HBLIACCMBJ***
340° pivot base.	3.5 (1.6)	**HBLI340PB**
Replacement stop.	0.2 (.09)	**HBLI16BS** **HBLI14BS** **HBLI12BS** **HBLI10BS**



HBLIMB



HBLIMBJ



HBLI340PB



HBLI10BS

*Note: *Compatible with cord reel models marked with a single asterisk (*).*

Dimensions in Inches (mm)

Features and Benefits

- Powder coated, solid U.S. steel construction
- Multi-position roller guide can be mounted in four different positions
- Ratchet lock can be disengaged in the field for constant tension applications
- UL Type 4X enclosure protects spring motor, junction box, slip ring assembly and cable entrance from hosedown or corrosion
- Optional pivot base allows 340° rotation of the reel and increases the range of cable to nearly any direction



HBL501242w
with **HBL16PB**

Heavy Duty Industrial Weatherproof Reels*

Description		Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight lbs. (kg)	Catalog Number
14" yellow weatherproof reel.		15	600	50 (15.2)	14/3 SOW-A	55 (24.9)	**HBL501431W**
16" weatherproof reel.	yellow housing white housing.	20	600	50 (15.2)	12/3 SOW-A	80 (36.3)	**HBL501232W HBL501232WM1**
16" yellow weatherproof reel.		16	600	50 (15.2)	12/4 SOW-A	86 (39.0)	**HBL501242W**
16" weatherproof reel.	yellow housing white housing.	25	600	50 (15.2)	10/3 SOW-A	86 (39.0)	**HBL501032W HBL501032WM1**
16" yellow weatherproof reel.		20	600	50 (15.2)	10/4 SOW-A	92 (41.7)	**HBL501042W**

*Note: *All heavy duty industrial cord reels are supplied with wire leads and 3/4" NPT hub feed. Power supply cable not supplied.*



HBL501232WM1



HBL501242w
with **HBL16PB**

Accessories

Description	Weight lbs. (kg)	Catalog Number
16" pivot base.	13 (5.9)	**HBL16PB**
Replacement stop.	0.2 (.09)	**HBLWPBS**



HBL16PB



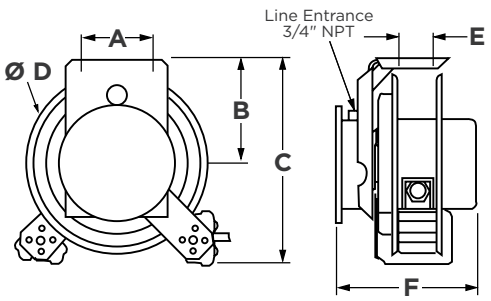
HBLWPBS

Specifications

Listing/Certification	UL 355 and CSA, C22.2 No. 308
Environment	Type 4X enclosure, CAN/CSA - C22.2 No. 308 Dry, indoor and wet and damp outdoor non-hazardous location

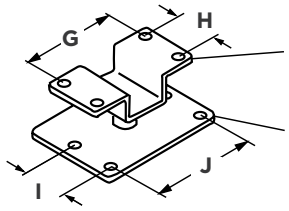
Dimensions

Inch (mm)	A	B	C	D	E	F	G	H	I	J
14" Reel	6.50" (165)	8.12" (206)	16.25" (413)	13.75" (349)	3.00" (76)	12.19" (310)	3.00" (76)	3.00" (76)	3.00" (76)	6.50" (165)
16" Reel	6.50" (165)	9.12" (232)	18.25" (464)	15.75" (400)	3.00" (76)	14.19" (360)	6.00" (152)	6.00" (152)	4.94" (125)	6.50" (165)



Pivot Base

340° Pivot Base (Optional)



Mounting Surface 4 Holes
14" 0.44 (11) diameter
16" 0.53 (13) diameter

Reel Base 4 Holes
14" 0.47 (12) diameter
16" 0.53 (13) diameter

Note: Pivot base for use only with Weatherproof Cable Reel.

Dimensions in Inches (mm)

inREACH Medical Cord Reels

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Weight lbs. (kg)	Catalog Number
White reel, white portable outlet box, GFCI module, and (2) 20A hospital grade receptacles.	20A	125	45 (13.7)	12/3 SJO	34.9 (15.8)	**HBLIWC45123GF220HG**
White reel, white portable outlet box, and (2) 20A hospital grade receptacles.	20A	125	45 (13.7)	12/3 SJO	34.4 (15.6)	**HBLIWC45123R220HG**
White reel and hospital grade connector HBL8319C.	20A	125	45 (13.7)	12/3 SJO	33.6 (15.2)	**HBLIWC45123C20HG**



HBLIWC45123 GF220HG

Industrial Lighted Cord Reels, 45 Ft. (13.7m) - 16/3 AWG SJEO Cable

Cord End	Amps	Volts AC	Watts (Max)	Weight lbs. (kg)	Catalog Number
LED hand lamp, with end light, white reel.	0.07	125	9	22.9 (10.4)	**HBLI45163LED**
Incandescent hand lamp, white reel.	0.8	125	100	22.9 (10.4)	**HBLI45163IN**

Note: Supplied with 5 ft. power supply cord with HBL5266C, 15A straight blade plug. For shorter cable lengths, modify length indication in catalog number (i.e. HBLIXX); 35ft & 25ft lengths are available. For yellow reel, add 'Y' suffix to catalog number.



HBLI45163LED

InREACH Category 6 Data Reels

Description	Cable Length Feet (m)	Cable Type	Weight lbs. (kg)	Catalog Number
Black data reels with RJ45 plugs.	50 (15.2)	Cat 6	22.9 (10.4)	**HBLI50CAT6**
White data reels with RJ45 plugs.	50 (15.2)	Cat 6	22.9 (10.4)	**HBLI50CAT6W**



HBLI50CAT6

Accessories

Description	Amps	Volts AC	Watts (Max)	Weight lbs. (kg)	Catalog Number
Replacement stop.	—	—	—	.2 (.09)	**HBLI16BS**
Replacement LED hand lamp.	0.07	120	9	1 (.5)	**HBL16LEDR***
Replacement incandescent hand lamp.	0.8	125	100	1 (.5)	**HBL16INR**

*Note: *cETLus Listed by INTERTEK.*



HBL16LEDR

Commercial Lighted Cord Reels

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Watts (Max)	Weight lbs. (kg)	Catalog Number
White reel with LED hand lamp, with flashlight end.	0.65	125	40 (12.2)	#18/2 SJTOW	9	8.2 (3.7)	**HBLC40182LED**

*Note: **Allows the electrical cord reel installation to conform to Article 511 of the National Electric Code concerning installation of electrical devices in commercial garages, repair facilities and storage locations by positioning the switch above the defined area where hazardous fumes may collect.*



HBLC40182LED

INTERTEK and the Intertek logo are registered trademarks of Intertek Group plc.

Dimensions in Inches (mm)

Features and Benefits

- Durable steel construction for commercial and general purpose applications
- Compact size, flexible mounting options for ceiling, wall or bench
- Automatic ratchet lock holds cord at desired length and provides easy, smooth retraction of cord
- Attached plug for power cord requires no wiring
- Durable light weight non-metallic housing
- Removable bracket allows reel to be dis-engaged from mount providing portability
- 40 ft. of #12/3 cord for greater current carrying capacity
- Triple tap outlet with supplemental over current protection



Commercial Cord Reels

Description	Amps	Volts AC	Cable Length Feet (m)	Cable Type	Watts (Max)	Weight lbs. (kg)	Catalog Number
Black reel with triple tap outlet.	15	125	40 (12.2)	#12/3 SJTW	1,875	13.8 (6.3)	**HBLC40123TT**
Black reel with wire leads.	15	125	40 (12.2)	#12/3 SJTW	1,875	13.8 (6.3)	**HBLC40123**
White reel with triple tap outlet and white cord.	10	125	30 (9.1)	#16/3 SJT	1,250	8.5 (3.9)	**HBLC30163TT**
White reel with single connector and white cord.	15	125	20 (6.1)	#14/3 SJT	1,875	8.5 (3.9)	**HBLC20143C**
Yellow reel with Hubbell HBL5969VBLK connector.	10	125	25 (7.6)	#16/3 SJT	1,250	8.5 (3.9)	**HBLC25163C**
Yellow reel with wire leads.	10	125	25 (7.6)	#16/3 SJT	1,250	8.5 (3.9)	**HBLC25163****

Note: Reels supplied with 2 ft. power supply cord and molded on straight blade 15A plug.
***UL Listed only.*


HBLC40123TT


HBLC30163TT


HBLC20143C

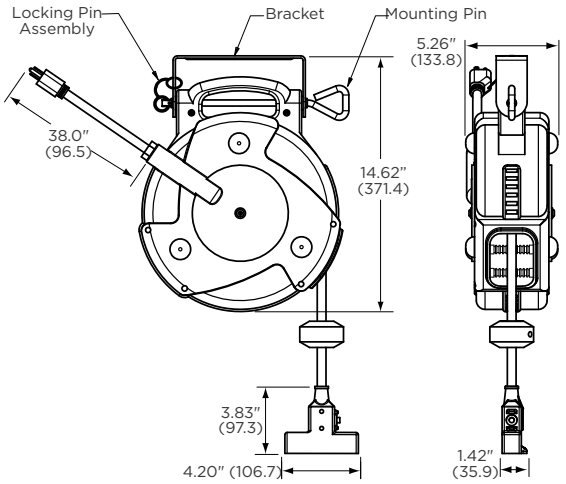

HBLC25163C

Specifications

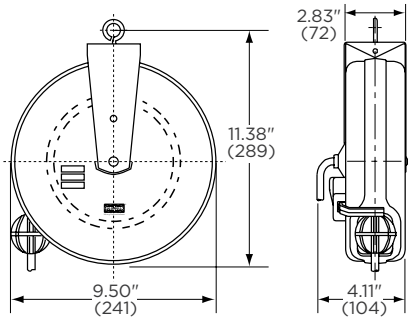
Listing/Certification	UL 355
Environment	Dry, indoor, non-hazardous locations
Incandescent Lamp	75 watt max., auto switch, no receptacle; 100 watt max. bulb, with receptacle
Fluorescent Lamp	10A/1200W max. with in-line receptacle; 13 watt without receptacle

Dimensions

Triple Tap



All Other Commercial Reels excluding Triple Tap



Dimensions in Inches (mm)

Static Discharge Reels

Features and Benefits

- Steel construction
- Compact design minimizes required installation space
- Available with steel or nylon coated steel cable
- Large grounding jaw clamp provides low resistant ground termination



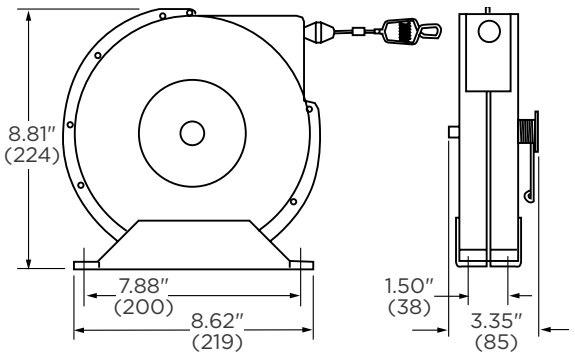
HBL50SD

Static Discharge Reels

Description	Cable Length Feet (m)	Cable Type	Weight lbs. (kg)	Catalog Number
Static discharge reel.	50 (15.2)	Single 3/32" Steel	12 (5.4)	**HBL50SD**
Static discharge reel.	50 (15.2)	Single 3/32" Steel Nylon Coated	13 (5.9)	**HBL50SDN**
Static discharge reel.	50 (15.2)*	Dual (Y) 3/32" Steel	13 (5.9)	**HBL50YSD**

*Note: *35 ft. (10.6m) + Dual 15 ft. (4.5m) for "Y".*

Static Discharge Reel



Dimensions in Inches (mm)

Features and Benefits

ERGO™ ToolAssistPro™

Ergo-1

UP TO 5lbs



- Hand-windable spring tension adjustment knob is flush with the housing
- Push-button to easily release spring tension
- Rugged steel upper swivel hook with secondary safety cable provision

Ergo-2

UP TO 27lbs



- Rugged steel construction with black polyester baked finish
- Reinforced hanging bracket with forged clevis for ceiling mounting
- Spring is permanently lubricated and adjustable

Ergo-3

UP TO 308lbs



- Rugged die cast aluminum housing
- Both top and bottom hooks have spring-loaded safety latches
- Heavy duty steel wire rope

ERGO-1 Light Duty Tool Balancers

Description	Load lbs. (kg) Min	Load lbs. (kg) Max	Cable Length* Feet (m)	Reel Weight lbs. (kg)	Catalog Number
Balancer for loads up to 5 lbs.	0.5 (0.2) 1.5 (0.5) 3.0 (1.4)	1.5 (0.7) 3.0 (1.4) 5.0 (2.3)	6 (1.8) 6 (1.8) 6 (1.8)	1.3 (0.6) 1.3 (0.6) 1.5 (0.7)	**HBLBD01** **HBLBD03** **HBLBD05**

*Note: *Cable lengths listed are for 'active' or 'working' cable. Includes cable stop and safety hook.*



ERGO-2 Medium Duty Tool Balancers

Description	Ratchet Lock	Load lbs. (kg) Min	Load lbs. (kg) Max	Cable Length* Feet (m)	Reel Weight lbs. (kg)	Catalog Number
Balancers (constant pull reels) may be adjusted to balance through 6-18 in. (152-457mm) range.	No	3 (1.4) 5 (2.3) 8 (3.6) 10 (4.5) 16 (7.2) 16 (7.2) 22 (9.9)	7 (3.2) 10 (4.5) 12 (5.4) 15 (6.8) 23 (10.4) 23 (10.4) 27 (12.2)	8 (2.4) 8 (2.4) 8 (2.4) 8 (2.4) 8 (2.4) 8 (2.4) 8 (2.4)	6 (2.7) 6 (2.7) 7 (3.2) 8 (3.6) 8 (3.6) 8 (3.6) 8 (3.6)	**HBLBG03** **HBLBG07** **HBLBG10** **HBLBG15** **HBLBG20** **HBLBG20SH**** **HBLBG25**
Retractors (ratchet lock) retract tool upward when manually released.	Yes	3 (1.4) 5 (2.3) 8 (3.6) 10 (4.5) 16 (7.2) 16 (7.2) 22 (9.9)	7 (3.2) 10 (4.5) 12 (5.4) 15 (6.8) 23 (10.4) 23 (10.4) 27 (12.2)	8 (2.4) 8 (2.4) 8 (2.4) 8 (2.4) 8 (2.4) 8 (2.4) 8 (2.4)	6 (2.7) 6 (2.7) 7 (3.2) 8 (3.6) 8 (3.6) 8 (3.6) 8 (3.6)	**HBLBG03L** **HBLBG07L** **HBLBG10L** **HBLBG15L** **HBLBG20L** **HBLBG20LSH**** **HBLBG25L**
Torque reels*** (ratchet lock and longer cable).	Yes	3 (1.4) 5 (2.3) 10 (4.5)	7 (3.2) 10 (4.5) 15 (6.8)	15 (4.5) 15 (4.5) 15 (4.5)	8 (3.6) 10 (4.5) 12 (5.4)	**HBLTQ1507** **HBLTQ1510** **HBLTQ1515**

*Note: *Cable lengths listed are for 'active' or 'working' cable. Includes cable stop and safety hook. | **Includes HBLBGSH "Shock Stop." | ***Clevis mount. For rigid mount, add "R" suffix.*



ERGO-3 Heavy Duty Tool Balancers

Description	Load lbs. (kg)** Min	Load lbs. (kg)** Max	Cable Length* Feet (m)	Reel Weight lbs. (kg)	Catalog Number
Heavy-duty balancer for loads up to 308 lbs.	1.1 (.05) 2.2 (1.0) 5.5 (2.5) 9.0 (4.1) 20 (9.1) 33 (15.0) 48 (21.8) 66 (30.0) 88 (40.0) 110 (50.0) 132 (60.0) 154 (70.0) 187 (85.0) 220 (100.0) 264 (120.0)	4.4 (2.0) 6.6 (3.0) 11 (5.0) 20 (9.1) 33 (15.0) 48 (21.8) 66 (30.0) 88 (40.0) 110 (50.0) 132 (60.0) 154 (70.0) 187 (85.0) 220 (100.0) 264 (120.0) 308 (140.0)	3.3 (1.0) 4.3 (1.3) 4.3 (1.3) 3.9 (1.2) 3.9 (1.2) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4) 4.5 (1.4)	2.2 (1.0) 2.8 (1.3) 3.3 (1.5) 13.4 (6.1) 13.4 (6.1) 22.6 (10.3) 22.6 (10.3) 27.0 (12.2) 27.0 (12.2) 31.4 (14.2) 31.4 (14.2) 58.4 (26.5) 56.0 (25.4) 60.0 (27.2) 61.0 (27.7)	**HBLBH02** **HBLBH03** **HBLBH05** **HBLBH09** **HBLBH15** **HBLBH22** **HBLBH30** **HBLBH40** **HBLBH50** **HBLBH60** **HBLBH70** **HBLBH85** **HBLBH100** **HBLBH120** **HBLBH140**

*Note: *Cable lengths listed are for 'active' or 'working' cable. Includes cable stop and safety hook. | **Load includes hose or cord and other attachements which must be supported by balancer.*



Dimensions in Inches (mm)

Features and Benefits

- Adjustable and customizable to fit virtually any bench and task
- Superior rigidity and durability
- Kits include one WS30 and one WS50 rail
- Most components which make up kits are available separately
- Can be installed easily on fixed or portable workstation kits

ToolAssistPro™

Straight Tool Rail Kits

Description	Length ft. (m)		Catalog Number
Straight rail bench top kit. Best mounted to butcher block tops. Straight rail table top kit. Table brackets predrilled to fit Equipto and Lyon steel tops.	6.0 (1.8) 6.0 (1.8)	5.0 (1.5) 5.0 (1.5)	**HBLWGB030560** **HBLWKB030560**



Power Bars

Description	Catalog Number
60 in. power bar with 60 in. mounting bar.	**HBLWPB505A**



Manifold with Brackets

Description	Width ft. (m)	# of Taps	Catalog Number
Mounts to vertical columns or top rails on workstations.	5 (1.5)	5	**HBLWMAN05C**



Balancer Trolleys

Description	Catalog Number
Balancer trolley. Single roller balancer trolley.	**HBLWS50BTL** **HBLWS50BTS**



Adjustable Cable Saddle

Description	Load lbs. (kg) Min	Load lbs. (kg) Max	Catalog Number
Hangs from balancer cable above tool to provide strain relief for electrical cable or air hose. Available in three sizes. Includes safety clip.	0.3 (7) 0.6 (15) 0.95 (24)	0.59 (14) 0.94 (23) 1.25 (31)	**HBLCSF1** **HBLCSF2** **HBLCSF3**



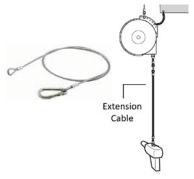
"Shock Stop" Shock Absorber

Description	Catalog Number
Minimize cable damage often caused by overtensioning tool balancers. "Shock Stop" kit is easily installed. Can be used on ERGO-2 balancer. Kit includes spring, cable stops, all hardware.	**HBLBGSH**



Extension Cable

Description	Length ft. (m)	Catalog Number
Nylon covered steel cable with safety clip. Extends the cable length of ERGO-1 and ERGO-2 Tool Balancers.	3 (0.9) 5 (1.5) 10 (3.0) 15 (4.6)	**HBLOC03** **HBLOC05** **HBLOC10** **HBLOC15**



Safety Cable/Chain

Description	For use with	Length ft. (m)	Catalog Number
Strongly recommended, secondary steel cable or steel link chain. Prevents balancer from accidental fall. Balancers have extra holes for cable or chain.	HBLBD01-05	1 (0.3)	**HBLSCBD1***
	HBLBG03-25 HBLBG03L-25L HBLTQ1057-15 HBLBH03-30	1 (0.3) 2 (0.6) 3 (0.9)	**HBLSCBG1**** **HBLSCBG2**** **HBLSCBG3****
	HBLBH40-140	3 (0.9)	**HBLSCBH3****



*Note: *Nylon covered steel cable. | **Steel link chain.*

Dimensions in Inches (mm)

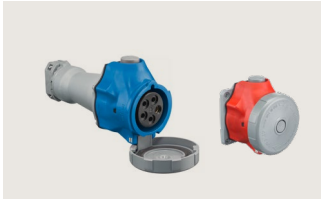




LineSafe™ Breakaway Connector



Arc-Guard™ Magnet Crane Connector



Advantage™ Series Switch-Rated Devices



Circuit-Lock® Unfused and Fused Mechanical Interlocks

- LineSafe Breakaway Connector L-2
- Arc-Guard Magnet Crane Connector. L-4
- Advantage™ Series Switch Rated Pin and Sleeve. L-6
- Circuit-Lock® Unfused and Fused Mechanical Interlocks L-7
- Circuit Guard® Ground Fault Portables L-8
- ToolAssistPro™ Tool Balancers L-9
- PLUGOUT® and SWITCHOUT® Lockout Devices L-10

LineSafe™ Breakaway Connector

Enhance user safety, prevent equipment damage, and reduce costly downtime

IP69K SUITABILITY

UL Type 4X

The LineSafe Breakaway Connectors are installed inline onto portable cords and maintain a strong connection for uninterrupted routine use. When electrical equipment moves unintentionally, the LineSafe Breakaway Connector safely disengages to protect personnel and connected equipment. The device can then be easily re-mated without any tools.



Rated up to 60A

Features

- A proprietary magnetic system ensures a secure coupling force to achieve reliable disconnections and quick reconnections
- Durable Valox® 357U housings provide superior impact, chemical, and UV resistance
- High-density Santoprene® bumpers provide extra impact protection
- Heavy duty external cord clamps provide maximum cord retention to maintain unstressed terminations
- Rated for harsh outdoor and washdown environments
- Includes auxiliary contacts that can be wired to a relay or alarm



Two auxiliary contacts enable connection to a customer supplied relay or alarm

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Santoprene® is a trademark of the Celanese Corporation.

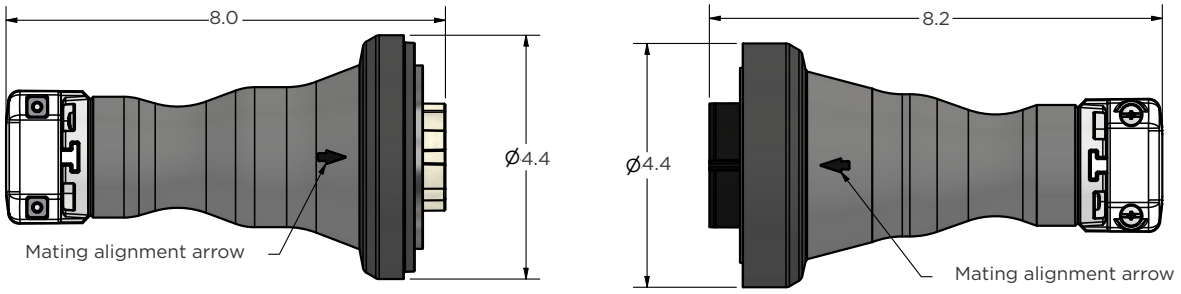
Ordering Information

Description	Line Voltage (AC)	Male Plug	Female Connector
3 wire.	208V, 250V, 480V	**HBLBA3M**	**HBLBA3F**
	125V, 277V, 347V	**HBLBA3MN**	**HBLBA3FN**
4 wire.	3Ø 250V, 380-415V, 3Ø 480V	**HBLBA4M**	**HBLBA4F**
	120/208V, 125/250V	**HBLBA4MN**	**HBLBA4FN**

Technical Information

Specifications	
Max. Working Amperage	60A
Max. Working Voltage	480V AC; 250V DC @ 30A
Environmental Ratings	UL Type 4X and IP69K
Operating Temperature	Max continuous +75°C Min continuous -40°C
Cord Gauge Range	12AWG S, SO, - 6AWG S, SO, SOW
Cord Diameter Range	0.500″ - 1.250″
Max. Coupling Force	130 lbs.
Weight	Male plug 1.8 lbs. Female connector 2.0 lbs.
Endurance	Min 6,000 mating cycles
UV Resistance	All materials are UV stabilized
Listings	UL1682 File E146033
Auxiliary Contact Rating	10A 120VAC and 3A 24VDC

Product Dimensions



Dimensions in Inches (mm)

Arc-Guard™ Magnet Connector

Arc-Guard Interlocked Connection System

Hubbell's NEW Arc-Guard Connectors are the first of its kind to enhance user safety in tough industrial environments like steel mills and metal scrap yards and maximizes efficiency by managing power in a safe manner.

Arc-Guard features an electromechanical interlocking mechanism that does not allow you to mate or un-mate devices under load. Arc-Guard connectors have a robust, durable housing that is UV-stabilized, impact and corrosion-resistant with stainless steel armored integral guarding and designed to withstand industrial environments.





Features

- 100A, 250V DC
- Durable, PBT/Polycarbonate housing with thermoplastic protective cover
- Positive locking mechanism that does not allow mating or breaking under load
- Accomodates grounded circuits

Description

Crane magnet, Plug, 100A.	**HBL100MAGF**
Crane magnet, Connector, 100A.	**HBL100MAGM**



HBL100MAGF

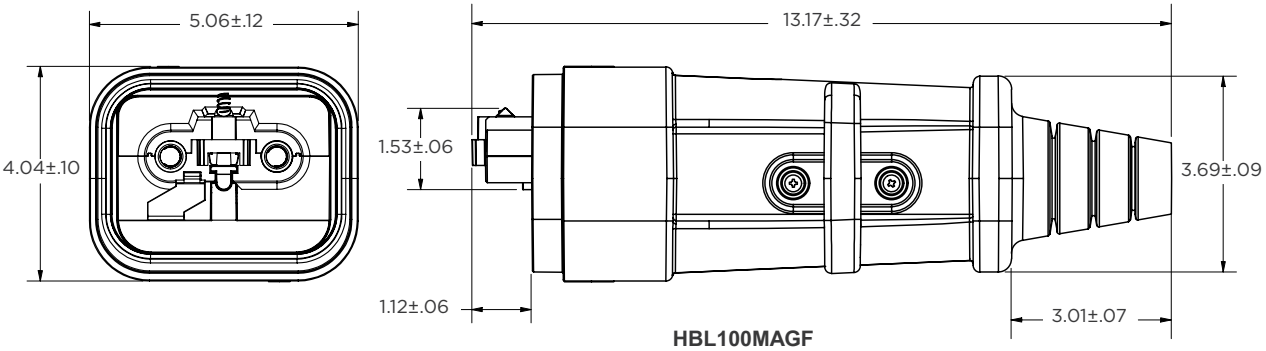
Technical Information

Specifications	
Amperage	100A
Voltage	250V DC
Protective Cover	Thermoplastic elastomer, black
Housing	PBT/Polycarbonate, black
Cord Clamps	Polycarbonate/Polybutylene Terephthalate, black
Contacts	Brass
Water and Dust Ingress Protection	3R
Operating Temperature	0-120˚F

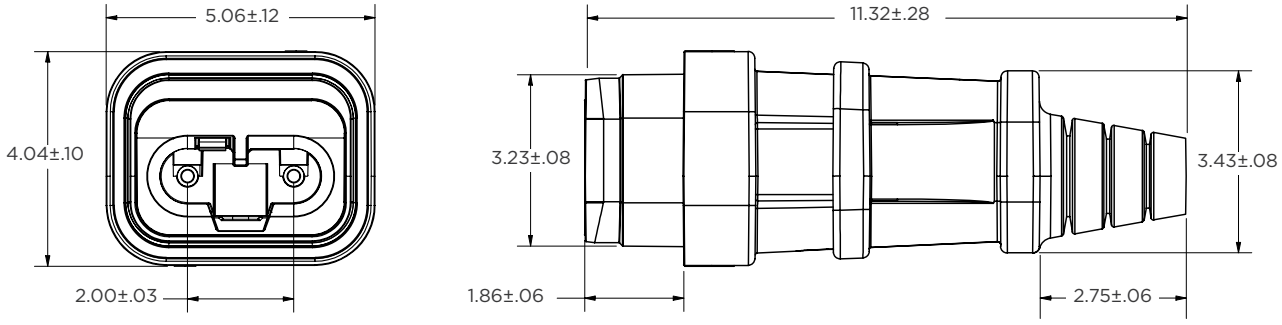


HBL100MAGM

Product Dimensions



HBL100MAGF



HBL100MAGM

Dimensions in Inches (mm)

Advantage™ Series Pin and Sleeve Switch-Rated

Features and Benefits

Hubbell Wiring Device-Kellems Advantage Series Pin and Sleeve Switch-Rated Devices are IEC 60309-2 compatible devices that are approved as a disconnecting means for motor and branch circuits. Robust and durable housing, UV-stabilized, impact and corrosion-resistant PBT housing is designed to withstand harsh industrial environments. Stainless steel hardware provides superior corrosion resistance in wet and harsh environments. Receptacles mount to standard Hubbell IEC Pin and Sleeve back boxes.

See Section H for more information.

IP69K SUITABILITY

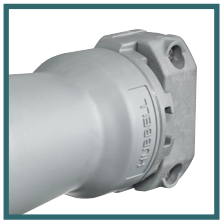
c UL us
UL Type 4X





Housing Design

- Rugged one-piece housing, thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants
- IEC pin and sleeve devices are color coded by voltage for easy identification



Heavy Duty External Cord Grips

- Provides maximum cord retention to maintain unstressed terminations
- Pocketed recess for screws deters slippage of the screwdriver and are conveniently located on the same side for easy installation



Ease of Use

- Ergonomic design puts the Advantage into the palm of your hands with the easy-to-use leverage grip design from Hubbell



Spring-Loaded Cover

- Spring-loaded to the open position, reminding users that the cover must be secured to ensure maximum ingress protection
- Impact resistant cover arm; compact and durable internal swing arm is fully shrouded protecting it from damage



Spring-Loaded Disconnect Button

- Oversized for easy actuation with gloved hands



Full Line of Accessories

- Advantage Series receptacles have same mounting pattern as our standard receptacles, for non-metallic and metallic back boxes (see page H-14)
- Full offering of liquidtight adapters (see page H-15)

Unfused Circuit-Lock® Pin & Sleeve Mechanical Interlocks

Features and Benefits

c UL us
Type 4X, 12



The National Electrical Code (NEC®) requires a separate disconnect means within sight of all motor loads. The NEC requires the disconnecting means in a motor-circuit be listed as "Suitable as Motor Disconnect" if the motor is rated greater than 2 HP.

Hubbell's Circuit-Lock interlock incorporates the disconnect switch and receptacle in one compact, non-metallic and economical unit. Removing the plug and locking it out provides a visual means of verifying equipment has been disconnected. All Circuit-Lock mechanical interlocks can be locked out as a method of compliance with the OSHA Lockout/Tagout regulation.

The switch cannot be turned ON until the plug is completely engaged, and the plug cannot be removed until the switch is turned OFF. At the same time, it eliminates the possibility of making or breaking the circuit under load or making a casual or "lazy" connection. The non-metallic enclosure can be connected to the metallic conduit and not interfere with the ground continuity.

In addition, these horsepower rated units are durable, watertight and easy to install. And they are compatible with IEC 60309-2 plugs. These Circuit-Lock units are available in 20, 30, 60 and 100A models, and in 3, 4 and 5 wire configurations that are designed to the IEC 60309-1 and 60309-2 standards.

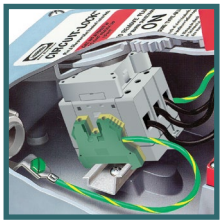
Hubbell's Circuit-Lock Mechanical Interlocks are also available in "Reverse Service" versions. These units incorporate the disconnect switch and reverse service receptacle (inlet) in one compact, non-metallic and economical unit. These units are available in 30, 60 and 100A models, 4 wire configurations.

See Section H for more information.



Housing Design

- Insulated non-metallic housing, super tough, non-conductive and chemical resistant for heavy duty industrial environments
- IEC pin and sleeve devices are color coded by voltage for easy identification
- Self-closing gasketed cover, detents into position to fully close automatically



Interior Design

- Large gears enclosed in a gear box assembled on one plane to eliminate possible gear jumping
- Horsepower rated disconnect switch handles large motor loads
- DIN rail mounted switch for easy installation and replacement



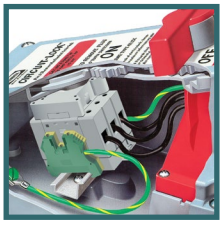
Safety

- Lockable handle to meet OSHA Lockout/Tagout regulations
- Two-stage interlocking mechanism to help defeat tampering
- Watertight conduit hub and grounding plate for use on metallic conduit (IP67 suitability)



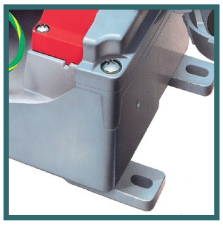
Liftcover

- Replaceable spring-loaded liftcover with gasket for a watertight seal
- Pre-wired IEC Pin and Sleeve receptacle
- Reverse service has dependable solid brass pins for longer life and reliable electrical contact



Identification

- Color coded rating pad and receptacle mount to signify voltage



Installation

- Three molded-in conduit drill points are located on top, bottom and back surface of enclosure
- Adjustable mounting feet are ductile to allow mounting on irregular surfaces

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

20A & 30A GFCI Protected Cord Drops

Protect Food Processing and Commercial Kitchen Personnel

Features

- UL943A Listed
- NEMA 4X and 6P environmental ratings
- Industrial design for harsh kitchen environments
- Dual indication lights display power and fault status
- Single, split, and 3-phase options

See Section M for more information.

National Electrical Code

NEC 210.8(B) requires Class A GFCI electrical protection to be installed in all food processing and commercial kitchen environments.



Watertight

Pin & Sleeve

Watertight Safety Shroud Twist-Lock

Portable Outlet Box

NEC is a registered trademark of the National Fire Protection Association.

ERGO-1 Tool Balancers

ERGO-1 tool balancers are the economical choice for balancing tools weighing up to 5 lbs (2.3kg). The molded ABS housing has a smooth exterior with rounded edges designed for maximum ergonomic appeal. ERGO-1 balancers are the most modern and easiest to adjust. Each balancer incorporates all of the important functions expected of a world class product.

- Hand-windable spring tension adjustment knob is flush with the housing
- Push-button to easily release spring tension
- Rugged steel upper swivel hook with secondary safety cable provision
- Over-sized cable opening with direct in-line pull to reduce cable wear
- 270 lb. (121.5kg) test 0.047" (1.2mm) dia. 7x7 strand galvanized steel aircraft cable nylon covered to 0.063" (1.6mm) OD
- Adjustable cable stop and lower safety hook

See Section K for more information.



UP TO **5 lbs**

Applications



Light Duty Manufacturing



Packaging & Shipping Station



Distribution Facilities

ERGO-2 Tool Balancers

ERGO-2 reels feature rugged steel construction with black polyester baked finish, reinforced hanging bracket with forged clevis for ceiling mounting and extra holes for safety chain attachment. Spring is permanently lubricated and adjustable for balancing tool in normal working zone (6-18 in. [152-457mm]). Cable is 920 lb. (414kg) test 0.09" (2.3mm) dia. 7x7 strand galvanized steel aircraft cable nylon covered to 0.12" (3.0mm) OD. Includes safety tool clip and adjustable cable stop.

Applications

- Manufacturing and assembly workstations
- Natural gas vehicle fueling stations
- Packaging and shipping stations

See Section K for more information.

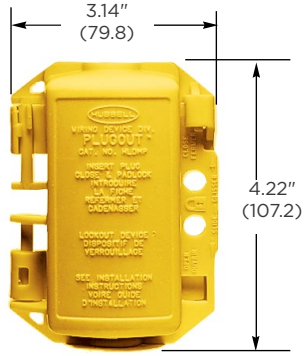


UP TO **27 lbs**

Dimensions in Inches (mm)

PLUGOUT® and SWITCHOUT® Lockout Devices

Description	Typical Devices Accommodated	Catalog Number
Small PLUGOUT yellow lockout device.	15A and 20A straight blade plugs. 15A Twist-Lock® plugs.	**HLDMP**
Medium PLUGOUT yellow lockout device.	15 and 20A, 125V straight blade plugs. 20 and 30A Twist-Lock plugs.	**HLD**
Large PLUGOUT yellow lockout device.	20, 30 and 50A metallic and non-metallic Pin and Sleeve, Hubbellock* and 50A Twist-Lock plugs.	**HLD2**
Yellow SWTICHOUT device (two devices per package).	Toggle switch.	**HSLDPK2**
Yellow lockout kit.	One each of above lockout devices.	**HLDKIT**



HLDMP



HLD



HSLDPK2

Dimensions in Inches (mm)





Extra Heavy Duty Industrial GFCIs



Heavy Duty Commercial GFCIs



Portable GFCI Products

Hubbell Self Test GFCI Patented Technology M-2

Extra Heavy Duty Industrial and Hospital Grade Tamper and Weather Resistant GFCI Receptacles M-3

Heavy Duty Commercial Grade GFCI Receptacles

- Tamper-Resistant:
  - Nightlight, Alarm, Hospital Grade, Combination Switch/GFR and 3-Pack M-4
- Standard:
  - Nightlight, Alarm, Assembled in U.S.A., Blank Face and SNAPConnect® M-5
- Hospital Grade:
  - Non-TR, Nightlight, Alarm, Assembled in U.S.A. and SNAPConnect M-6

SNAPConnect Features and Labor Savings M-7

- Tamper-Resistant and Weather Resistant:
  - TR/WR, Assembled in U.S.A., Isolated Ground, Hospital Grade and SNAPConnect M-8
- Weather Resistant Only M-9

UL 508 1.5HP Rated Ground Fault Receptacle M-10

Arc Fault AFCI Receptacles M-11

Dual Function AFCI/GFCI Receptacles M-12

GFCI Sensing Module, 50A Maximum Rating M-13

Straight Blade Portable GFCI Plugs M-14

Portable GFCI Line Cords

- Industrial Grade, Automatic and Manual Set M-16
- Commercial Grade, Automatic and Manual Set. M-17
- Multiple Outlet, Portable GFCI and Module M-18
- GFCI Tester M-18

Hard Wired 30 Amp GFCI - NEMA Type 4X M-19

- 120V AC, 240V AC with and without Alarm
- 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC

Portable 30 Amp GFCI - NEMA Type 4X. M-20

- 120V AC, 240V AC with and without Alarm
- 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC

Watertight GFCI Protected FD Box M-21

Portable GFCI Cord Drops M-22

Hubbell Self Test GFCI Patented Technology

Features and Benefits

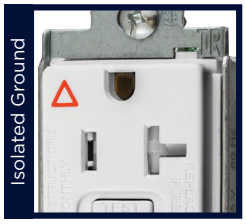
AUTOGUARD® self test technology first introduced by Hubbell over 10 years ago!

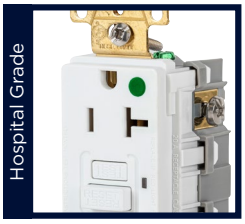
Hubbell AUTOGUARD GFCI self-test technology, updated with exclusive new Closed Loop Active Detection (CLAD). The CLAD circuitry utilizes a state-of-the-art microcontroller to identify and isolate true ground fault conditions from transient events, harmonics, and other anomalous building noise.

Hubbell Wiring Device-Kellems Commercial GFCI are offered in Tamper-Resistant (TR) and non-TR configurations. Weather-Resistant GFCIs are available for outdoor applications. Hubbell's patented TR mechanism limits improper access to energized contacts yet allows for smooth plug engagement. The TR shutters are white for visual confirmation that the device is functioning properly. Hubbell commercial receptacles are available in black, brown, gray, white, ivory, light almond and red.

The new Hubbell commercial GFCI receptacles have been redesigned for aesthetics and ease of use. They now feature a single LED indicator that displays the status of the device: green indicates power, red indicates a trip, and flashing red indicates end of life. Redesigned test and reset buttons provide a flush look and feel to the face of the receptacle.



















- **Patented AUTOGUARD Technology —** Continuously monitors Self Test functionality and disconnects power to receptacle if critical components are damaged and GFCI protection is lost
- **Federal Communications Commission Part 15 —** Compliant for radiated and conducted emissions
- **Thermoplastic Nylon Housing —** High Impact and Ultraviolet Resistant construction provides resilience in harsh environments
- **Clear Visual Indication of GFR Status —** LED Indicating Light:
  - Green LED (power to the device)
  - Red LED (trip condition/ground fault condition)
  - Flashing Red LED (end of life)
- **Internal Back Wiring Clamp and Guide Pocket —** Quick and dependable termination
- **Protection Against Line and Load Reversal —** No power to the face or downstream receptacles if device is miswired
- **Installation Ease, Lower Labor Cost —** With auto-grounding clip, captive mounting screws and single tab "breakoff" ears and full "breakoff" for use with raised covers and OEM applications
- **Night Light Option —** Light sensor controls for automatic "ON/OFF" and custom dual lens for optimum light output

Industrial and Hospital Grade, Tamper-Resistant and Weather Resistant

- Corrosion resistant construction includes nickel plated brass mounting strap, line/load terminals, face contacts, internal contacts and wiring terminal clamps; stainless steel terminal and mounting screws
- Selective double layer conformal coating of printed circuit board, critical components and connections
- Superior materials including polyester "V0" thermoplastic housing (UV Resistant); 7025 high thermal conductivity copper alloy contacts
- Dust Test (UL 943) compliant; resistance to contaminants, moisture and dust



GFSG8300GRY

AUTOGUARD® Self Test GFCI Receptacles Tamper-Resistant and Weather Resistant

Description	Rating	Color	Industrial	Industrial Hospital Grade
Extra heavy duty industrial ground fault receptacle, 15A 125V feed through, tamper and weather resistant.	 15A 125V NEMA 5-15R UL/CSA	Black	GFSG5262BLK	GFSG8200BLK
		Brown	GFSG5262	GFSG8200
		Gray	GFSG5262GRY	GFSG8200GRY
		Ivory	GFSG5262I	GFSG8200I
		Red	GFSG5262R	GFSG8200R
		White	GFSG5262W	GFSG8200W
Extra heavy duty industrial ground fault receptacle, 20A 125V feed through, tamper and weather resistant.	 20A 125V NEMA 5-20R UL/CSA	Black	GFSG5362BLK	GFSG8300BLK
		Brown	GFSG5362	GFSG8300
		Gray	GFSG5362GRY	GFSG8300GRY
		Ivory	GFSG5362I	GFSG8300I
		Red	GFSG5362R	GFSG8300R
		White	GFSG5362W	GFSG8300W

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color thermoplastic wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability. Note – yellow version comes with SS plate only
See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

AUTOGUARD Self Test GFCI Receptacles Tamper-Resistant and Weather Resistant

Trip Level	4 to 6 mA
Trip Time	.025 second nominal
Frequency	60 Hz
Voltage	120V AC +10% - 15% (102V to 132V)
Amperage	15A/20A, 20A Feed-Thru
Maximum Interrupting Capacity	10,000A
Operating Temperature	-35°C to 66°C or -30°F to 150°F
Maximum Humidity	95%
Dust Resistant	Meets UL 943, section 6.20 for resistance to dust contaminants
Corrosion Resistant	Meets UL 943, section 6.21 for resistance to corrosion
FCC Part 15 Class B	Certified conformance to radiated and conducted emission testing per FCC
Immunity to noise	Exceed UL 943 of .5V over a frequency range of 150kHz to 230MHz disturbances
Listings and Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978 CSA Certified
Codes	Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73

Note: NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Heavy Duty GFCI Receptacles

Commercial Grade, Tamper-Resistant

Features and Benefits

- Patented shutter design for tamper-resistant protection
- Compliant with NEC® 406.12 and NEC 517.18(C)
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Alarm version provides audible notification of a trip condition
- Thermoplastic wall plate included



GF15SPW



GFTR20GYB

Tamper-Resistant

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Combination Switch 15A 120V Switch
15A 125V NEMA 5-15R UL/CSA	Black	GFRTR15BLK	GFTR15BKNL	GFTR15BKB	—
	Brown	GFRTR15	GFTR15NL	GFTR15B	—
	Gray	GFRTR15GRY	GFTR15GYNL	GFTR15GYB	—
	Ivory	GFRTR15I	GFTR15INL	GFTR15IB	GF15SPI
	Light Almond	GFRTR15LA	GFTR15LANL	GFTR15LAB	GF15SPLA
	Red	GFRTR15R	GFTR15RNL	GFTR15RB	—
	White	GFRTR15W	GFTR15WNL	GFTR15WB	GF15SPW
20A 125V NEMA 5-20R UL/CSA	Black	GFRTR20BLK	GFTR20BKNL	GFTR20BKB	—
	Brown	GFRTR20	GFTR20NL	GFTR20B	—
	Gray	GFRTR20GRY	GFTR20GYNL	GFTR20GYB	—
	Ivory	GFRTR20I	GFTR20INL	GFTR20IB	—
	Light Almond	GFRTR20LA	GFTR20LANL	GFTR20LAB	—
	Red	GFRTR20R	GFTR20RNL	GFTR20RB	—
	White	GFRTR20W	GFTR20WNL	GFTR20WB	—

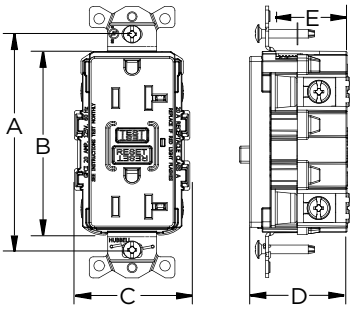
Hospital Grade ● Tamper-Resistant

Rating	Color	Night Light Two LED Night Lights	Alarm
15A 125V NEMA 5-15R UL/CSA	Black	GFTR82BKNL	GFTRST82BKB
	Brown	GFTR82NL	GFTR82B
	Gray	GFTR82GYNL	GFTR82GYB
	Ivory	GFTR82INL	GFTR82IB
	Light Almond	GFTR82LANL	GFTR82LAB
	Red	GFTR82RNL	GFTR82RB
	White	GFTR82WNL	GFTR82WB
20A 125V NEMA 5-20R UL/CSA	Black	GFTR83BKNL	GFTR83BKB
	Brown	GFTR83NL	GFTR83B
	Gray	GFTR83GYNL	GFTR83GYB
	Ivory	GFTR83INL	GFTR83IB
	Light Almond	GFTR83LANL	GFTR83LAB
	Red	GFTR83RNL	GFTR83RB
	White	GFTR83WNL	GFTR83WB

Product Dimensions

GFCI Receptacle

A	3.27 (83.1)
B	2.75 (69.8)
C	1.75 (44.5)
D	1.47 (37.4)
E	1.10 (27.9)



Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

Dimensions in Inches (mm)

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Commercial Grade, Standard

Features and Benefits

- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Night light option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output



GFR15GRY



SNAPGF20I

Standard

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm	Blank Face Available in 20A Only
15A 125V NEMA 5-15R UL/CSA	Black	GFR15BLK	GFR15BKNL	GFR15BKB	—
	Brown	GFR15	GFR15NL	GFR15B	—
	Gray	GFR15GRY	GFR15GYNL	GFR15GYB	—
	Ivory	GFR15I	GFR15INL	GFR15IB	—
	Light Almond	GFR15LA	GFR15LANL	GFR15LAB	—
	Red	GFR15R	GFR15RNL	GFR15RB	—
	White	GFR15W	GFR15WNL	GFR15WB	—
20A 125V NEMA 5-20R UL/CSA	Black	GFR20BLK	GFR20BKNL	GFR20BKB	GFBFST20BK
	Brown	GFR20	GFR20NL	GFR20B	GFBFST20
	Gray	GFR20GRY	GFR20GYNL	GFR20GYB	GFBFST20GY
	Ivory	GFR20I	GFR20INL	GFR20IB	GFBFST20I
	Light Almond	GFR20LA	GFR20LANL	GFR20LAB	GFBFST20LA
	Red	GFR20R	GFR20RNL	GFR20RB	GFBFST20R
	White	GFR20W	GFR20WNL	GFR20WB	GFBFST20W

Standard SNAPConnect®

Rating	Color	Standard
15A 125V NEMA 5-15R UL/CSA	Black	SNAPGF15BLK
	Brown	SNAPGF15
	Gray	SNAPGF15GRY
	Ivory	SNAPGF15I
	Light Almond	SNAPGF15LA
	Red	SNAPGF15R
	White	SNAPGF15W
20A 125V NEMA 5-20R UL/CSA	Black	SNAPGF20BLK
	Brown	SNAPGF20
	Gray	SNAPGF20GRY
	Ivory	SNAPGF20I
	Light Almond	SNAPGF20LA
	Red	SNAPGF20R
	White	SNAPGF20W

SNAPConnect Right Angle Pigtailed Terminal

Description	Type	Catalog Number
Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.	Solid Stranded	SNAP1RNA SNAP2RNA
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; Polycarbonate housing material with WAGO terminals.	Solid Stranded	SNAP1RNAM2 SNAP2RNAM2

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

Dimensions in Inches (mm)

Heavy Duty GFCI Receptacles

Commercial and Hospital Grade, Standard

Fed. Spec.

Features and Benefits

- Fed. Spec UL Listed, Hospital Grade
- Green power indicator and red trip indicator
- Patented AUTOGUARD® self test technology
- Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple



GFR83I



SNAPGF83GRY

Hospital Grade ●

Rating	Color	Standard	Night Light Two LED Night Lights	Alarm
 15A 125V NEMA 5-15R UL/CSA	Black	GFR82BLK	GFR82BKNL	GFR82BKB
	Brown	GFR82	GFR82NL	GFR82B
	Gray	GFR82GRY	GFR82GYNL	GFR82GYB
	Ivory	GFR82I	GFR82INL	GFR82IB
	Light Almond	GFR82LA	GFR82LANL	GFR82LAB
	Red	GFR82R	GFR82RNL	GFR82RB
	White	GFR82W	GFR82WNL	GFR82WB
 20A 125V NEMA 5-20R UL/CSA	Black	GFR83BLK	GFR83BKNL	GFR83BKB
	Brown	GFR83	GFR83NL	GFR83B
	Gray	GFR83GRY	GFR83GYNL	GFR83GYB
	Ivory	GFR83I	GFR83INL	GFR83IB
	Light Almond	GFR83LA	GFR83LANL	GFR83LAB
	Red	GFR83R	GFR83RNL	GFR83RB
	White	GFR83W	GFR83WNL	GFR83WB

Hospital Grade ● SNAPConnect®

Rating	Color	Standard
 15A 125V NEMA 5-15R UL/CSA	Black	—
	Brown	—
	Gray	—
	Ivory	SNAPGF82I
	Light Almond	SNAPGF82LA
	Red	SNAPGF82R
	White	SNAPGF82W
 20A 125V NEMA 5-20R UL/CSA	Black	SNAPGF83BLK
	Brown	SNAPGF83
	Gray	SNAPGF83GRY
	Ivory	SNAPGF83I
	Light Almond	SNAPGF83LA
	Red	SNAPGF83R
	White	SNAPGF83W

SNAPConnect Right Angle Pigtailed Terminal

Description	Type	Catalog Number
Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material.	Solid Stranded	SNAP1RNA SNAP2RNA
Clear right angle terminal with 6 inch leads #12 AWG THHN/ THWN-2; Polycarbonate housing material with WAGO terminals.	Solid Stranded	SNAP1RNAM2 SNAP2RNAM2

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

Dimensions in Inches (mm)

Commercial Grade

Fed. Spec.

Features and Benefits

Requires minimal box space
- Compact size
- Clean finished look

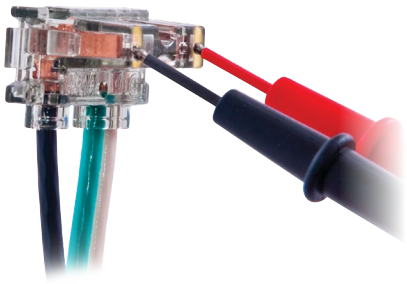
Installation ease
- Modular design eliminates screw terminals

Audible SNAP, indicates solid connection
- Secure, easy grip latch

Inspection of power contacts
- Clear terminal housing
- No exposed metal







No Special Tester Required
.085 inch keyhole accepts the probe points found on the most common voltage testers and digital multi-meters

Labor Savings Feature!



Save one minute!
Rough-in the SNAPConnect terminal instead of pigtails.



Save over three minutes!
Remove protective packaging and SNAPConnect device to the circuit.



Complete trim-out in less than one minute!
Secure mounting screws, attach wallplate, job complete.

Commercial Grade, Tamper-Resistant and Weather Resistant

Features and Benefits

- Patented shutter design for tamper-resistant protection
- Meets NEC® requirements for TR (406.12) and WR (406.9), UV and corrosion resistance for harsh and damp applications
- Patented AUTOGUARD® self test technology
- Protects against line and load reversal, no power to the face or downstream if device is miswired



GFTWR15WIG



GFRTW83R

Tamper-Resistant Weather Resistant

Rating	Color	Standard	Isolated Ground	SNAPConnect®	Right Angle Pigtailed Terminal for SNAPConnect
15A 125V NEMA 5-15R UL/CSA	Black	GFRTW15BLK	GFTWR15BKIG	SNAPGFTW15BLK	Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material. Solid **SNAP1RNA** Stranded **SNAP2RNA**
	Brown	GFRTW15	GFTWR15IG	SNAPGFTW15	
	Gray	GFRTW15GRY	GFTWR15GYIG	SNAPGFTW15GRY	
	Ivory	GFRTW15I	GFTWR15IIG	SNAPGFTW15I	
	Light Almond	GFRTW15LA	GFTWR15LAIG	SNAPGFTW15LA	
	Orange	—	GFTWR15ORIG	—	
	Red	GFRTW15R	GFTWR15RIG	SNAPGFTW15R	
	White	GFRTW15W	GFTWR15WIG	SNAPGFTW15W	
20A 125V NEMA 5-20R UL/CSA	Black	GFRTW20BLK	GFTWR20BKIG	SNAPGFTW20BLK	
	Brown	GFRTW20	GFTWR20IG	SNAPGFTW20	
	Gray	GFRTW20GRY	GFTWR20GYIG	SNAPGFTW20GRY	
	Ivory	GFRTW20I	GFTWR20IIG	SNAPGFTW20I	
	Light Almond	GFRTW20LA	GFTWR20LAIG	SNAPGFTW20LA	
	Orange	—	GFTWR20ORIG	—	
	Red	GFRTW20R	GFTWR20RIG	SNAPGFTW20R	
	White	GFRTW20W	GFTWR20WIG	SNAPGFTW20W	

Hospital Grade ● Tamper-Resistant Weather Resistant

Rating	Color	Standard	Isolated Ground	SNAPConnect®	Right Angle Pigtailed Terminal for SNAPConnect
15A 125V NEMA 5-15R UL/CSA	Black	GFRTW82BLK	GFTWR82BKIG	—	Clear right angle terminal with 6 inch leads, 600V, #12 AWG THHN/THWN-2, Polycarbonate housing material. Solid **SNAP1RNA** Stranded **SNAP2RNA**
	Brown	GFRTW82	GFTWR82IG	—	
	Gray	GFRTW82GRY	GFTWR82GYIG	SNAPGFTW82GRY	
	Ivory	GFRTW82I	GFTWR82IIG	SNAPGFTW82I	
	Light Almond	GFRTW82LA	GFTWR82LAIG	SNAPGFTW82LA	
	Orange	—	GFTWR82ORIG	—	
	Red	GFRTW82R	GFTWR82RIG	SNAPGFTW82R	
	White	GFRTW82W	GFTWR82WIG	SNAPGFTW82W	
20A 125V NEMA 5-20R UL/CSA	Black	GFRTW83BLK	GFTWR83BKIG	SNAPGFTW83BLK	
	Brown	GFRTW83	GFTWR83IG	SNAPGFTW83	
	Gray	GFRTW83GRY	GFTWR83GYIG	SNAPGFTW83GRY	
	Ivory	GFRTW83I	GFTWR83IIG	SNAPGFTW83I	
	Light Almond	GFRTW83LA	GFTWR83LAIG	SNAPGFTW83LA	
	Orange	—	GFTWR83ORIG	—	
	Red	GFRTW83R	GFTWR83RIG	SNAPGFTW83R	
	White	GFRTW83W	GFTWR83WIG	SNAPGFTW83W	

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

Dimensions in Inches (mm)

Commercial Grade, Weather Resistant

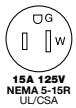
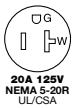
Features and Benefits

- Patented AUTOGUARD® self test technology
- Meets NEC® requirements for weather resistance (406.9), UV and corrosion resistance for harsh and damp applications
- Protects against line and load reversal, no power to the face or downstream if device is miswired



GFRWR20I

Weather Resistant

Rating	Color	Standard	Rating	Color	Standard
 15A 125V NEMA 5-15R UL/CSA	Black	GFRWR15BLK	 20A 125V NEMA 5-20R UL/CSA	Black	GFRWR20BLK
	Brown	GFRWR15		Brown	GFRWR20
	Gray	GFRWR15GRY		Gray	GFRWR20GRY
	Ivory	GFRWR15I		Ivory	GFRWR20I
	Light Almond	GFRWR15LA		Light Almond	GFRWR20LA
	Red	GFRWR15R		Red	GFRWR20R
	White	GFRWR15W		White	GFRWR20W

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

Dimensions in Inches (mm)

UL 508 1.5HP GFCI Receptacles

Features and Benefits

Hubbell AUTOGUARD® GFR products continually test and monitor for "people protection capability" automatically. This patented safety feature includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost. Also, visual indicators are clearly provided on the device face representing "power status", "trip condition", "ground fault condition" and "end of life status".

- Blank face 1.5 horsepower motor control rated switch UL508 Listed; also listed to Underwriters Laboratories standard 943 for Class A GFCI
- If wired incorrectly there will be no power to the face or to downstream receptacles for added safety; (2) LED indicators provide immediate status of power, trip condition and ability to provide GFCI protection
- In addition to providing Class A GFCI protection, the HP series includes a 1.5 HP rating for motor control switching per UL50



GFBFHP20GY

UL 508 1.5HP GFCI

Rating	Color	Standard
20A 125V 1.5 HP	Black	**GFBFHP20BK**
	Brown	**GFBFHP20**
	Gray	**GFBFHP20GY**
	Ivory	**GFBFHP20I**
	Light Almond	**GFBFHP20LA**
	Red	**GFBFHP20R**
	White	**GFBFHP20W**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Features and Benefits

- Meets National Electric Code requirements for AFCI Protection
- Qualified to Federal Specification Listing WC596
- Meets or exceeds UL requirements for tripping time on series and parallel arcs
- Tamper-Resistant and self grounding construction are standard features
- Green power ON LED indicator
- Automatically tests the AFCI each time the reset button is pressed in place
- No reset when tested if AFCI functionality is compromised



AFR20TRI



AFR20BFW

Arc Fault AFCI Receptacles

Rating	Color	Standard	Rating	Color	Standard	Blank Face
15A 125V NEMA 5-15R UL/CSA	Black	AFR15TRBK	20A 125V NEMA 5-20R UL/CSA	Black	AFR20TRBK	—
	Brown	AFR15TR		Brown	AFR20TR	—
	Gray	AFR15TRGY		Gray	AFR20TRGY	—
	Ivory	AFR15TRI		Ivory	AFR20TRI	AFR20BFI
	Light Almond	AFR15TRLA		Light Almond	AFR20TRLA	AFR20BFW
	White	AFR15TRW		White	AFR20TRW	—

Specifications

Rating	
Amperage	15 Amp/20 Amp
Feed-thru	20 Amp Protection
Voltage	120V AC (+10% to15%) (102V to 132V)
Horsepower	(1) @ Rated Voltage
Flammability	Rated V2 per UL 94
Operating Temperature	(-35°C to 66°C) or (-30°F to 150°F)

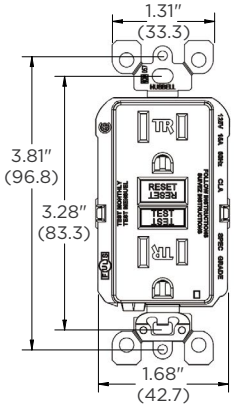
Certifications	
UL1699A	E366570
UL498	Receptacle
UL Fed Spec	WC-596
CSA Standard	C22.2 No. 42
CSA Tech	Letter No. M-02A
NEMA	WD-6

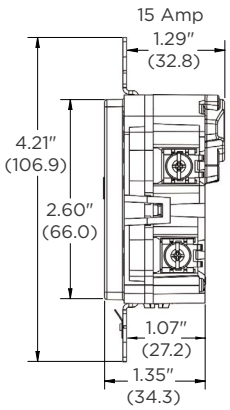
Construction	
Termination	Back and Side
Terminal	#14-10 AWG
Grounding	Self-Grounding Clip
Indicators	Power & Rev Wire
Configuration	2 Pole, 3 Wire
NEMA	5-15R, 5-20R

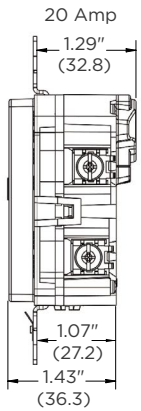
Tamper-Resistant NEC® 406.12; 210.52 – All 15 and 20A 125V, receptacles shall be listed Tamper-Resistant for dwelling installations.

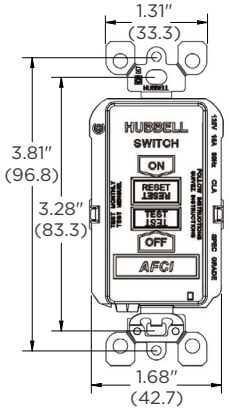
Note: The Hubbell "AFR" series meets all requirements for an outlet branch-circuit type AFCI; protects branch circuit wiring and extensions to branches such including appliances and cord sets. All GFCI receptacles are furnished with a matching color thermoplastic wallplate.

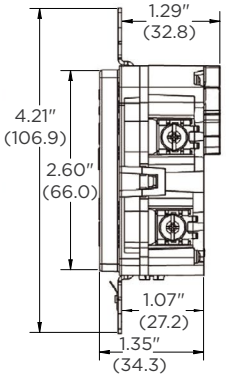
Product Dimensions











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Dimensions in Inches (mm)

Dual Function AFCI/GFCI Receptacles

Features and Benefits

- Cost effective solution conveniently located within living space; clearly visible, easily resettable if necessary
- Dual functionality, interrupts power if a ground fault or arc fault is detected
- Safety feature prevents device from resetting if it can no longer provide protection or is reverse wired
- Intuitive visual indication is provided for power (LED green ON); trip condition (LED green OFF)
- Clear indication if unit can no longer provide protection (LED red flashes) and will not reset



AFGF20TRLA

Dual Function AFCI/GFCI Receptacles

Rating	Color	Standard	Rating	Color	Standard
 15A 125V NEMA 5-15R UL/CSA	Black	**AFGF15TRBK**	 20A 125V NEMA 5-20R UL/CSA	Black	**AFGF20TRBK**
	Brown	**AFGF15TR**		Brown	**AFGF20TR**
	Gray	**AFGF15TRGY**		Gray	**AFGF20TRGY**
	Ivory	**AFGF15TRI**		Ivory	**AFGF20TRI**
	Light Almond	**AFGF15TRLA**		Light Almond	**AFGF20TRLA**
	White	**AFGF15TRW**		White	**AFGF20TRW**

Specifications

Rating	
Amperage	15 Amp/20 Amp
Feed-thru	20 Amp Protection
Voltage	120V AC (+10% to15%) (102V to 132V)
Horsepower	(1) @ 120V AC
Flammability	Rated V2 per UL 94
Operating Temperature	(-35°C to 66°C) or (-30°F to 150°F)

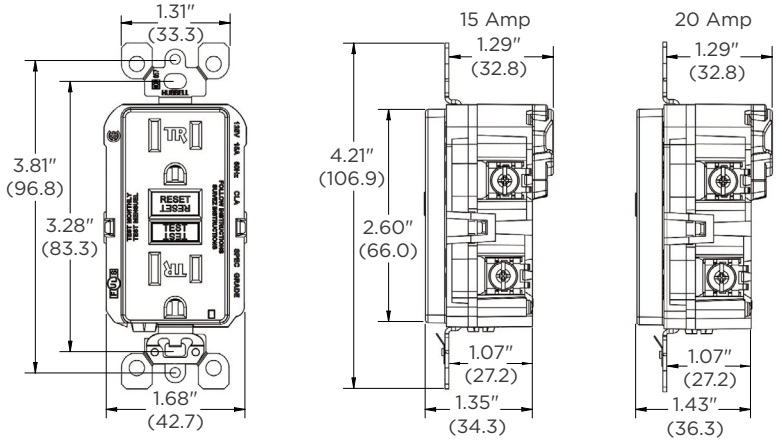
Certifications	
UL1699A	E485931
UL498	Receptacle
UL943	GFCI
UL Fed Spec	WC-596
CSA Standard	C22.2 No. 42
CSA Tech	Letter No. M-02A
NEMA	WD-6

Construction	
Termination	Back and Side
Terminal	#14-10 AWG
Grounding	Autorounding Clip
Indicators	Power, Trip, End of Life
Configuration	2 Pole, 3 Wire
NEMA	5-15R, 5-20R

Tamper-Resistant NEC® 406.12; 210.52 – All 15 and 20A 125V, receptacles shall be listed Tamper-Resistant for dwelling installations.

Note: All Hubbell "AFGF" series GFCI receptacles are furnished with a matching color thermoplastic wallplate.

Product Dimensions



Dimensions in Inches (mm)

Typical Applications Include:

NEMA Type 4X

Power Generators, Spas, High Pressure Washers, Power Centers, Refineries and Mobile Power.






The sensing module functions interdependently with a magnetic branch circuit breaker. The module monitors the electrical circuit by use of an external differential current transformer. No direct load is present at the module. In the event of a ground fault, the load is interrupted by way of the hydraulic magnetic circuit breaker utilizing a shunt trip coil.

This line of Sensing Modules is rated from 1 to 50 Amps and circuit current-carrying conductors from 1 to 3 poles.

Product is available with an automatic or manual "safe start" reset feature. The enclosure, when mounted with the supplied gasket, achieves a UL NEMA Type 4X Rating. This module and breaker system is ideal for portable generator integration protecting all outlets on a generator. This system meets the proposed requirements for generators Underwriters Laboratory Standard 2201. UL/cUL 943 Listed, Class A 4-6mA trip level and UL1053 Compliant.

GFCI Sensing Module, 50A Maximum

Description	Catalog Number
120V AC Sensing Module Auto	**GFSMST120A**



GFSMST120A

GFCI Sensing Module Circuit Breakers

Catalog Number Configurator

Ground Fault Sensing Module Circuit Breaker	A/C Voltage	Amperage	Number of Poles	Sensing Module Required
GFSMCB	120	1 to 50	1	**GFSMST120A**
	120		2	
	120/240		2	
	120/240		3	

Example Catalog Numbers:	**GFSMCB120401P**: **GFSMCB120240203P**:	120V, 40A, 1 Pole 120/240V, 20A, 3 Pole

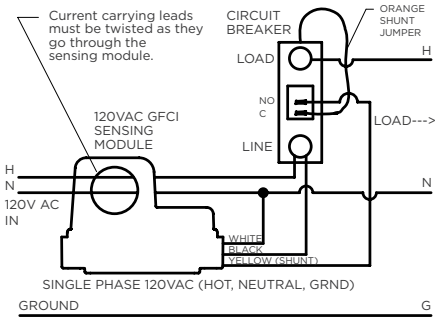
Note: Voltage tolerance +10% / -15%. Consult factory for other available configurations.



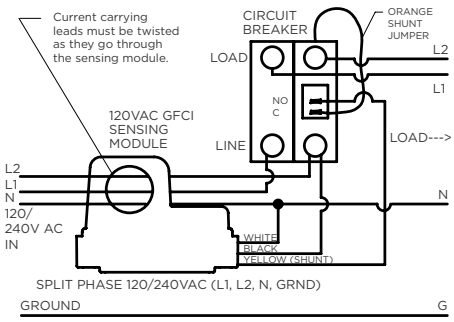
GFSMCB120401P

Wiring Schematics

GFSMCB120xx1P



GFSMCB120240xx3P



Dimensions in Inches (mm)

Wired On Portable GFCI Plugs

Circuit Guard® Wired On Industrial Portable GFCI Plug

Description	Rating	Catalog Number
GFCI plug, manual set, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P	GFPST5266C
GFCI plug, manual set, yellow.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P	GFPST5266CY
GFCI plug with 1 foot line cord, manual set, yellow, with connector body.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P, NEMA 5-15R	GFPST1C

Circuit Guard Wired On Commercial Portable GFCI Plug

Description	Rating	Catalog Number
GFCI plug, automatic set, field wireable, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P	GFPST515A
GFCI plug, manual set, field wireable, black.	2 pole, 3 wire grounding, 15A, 125V, NEMA 5-15P	GFPST515M



GFPST5266C



GFPST1C



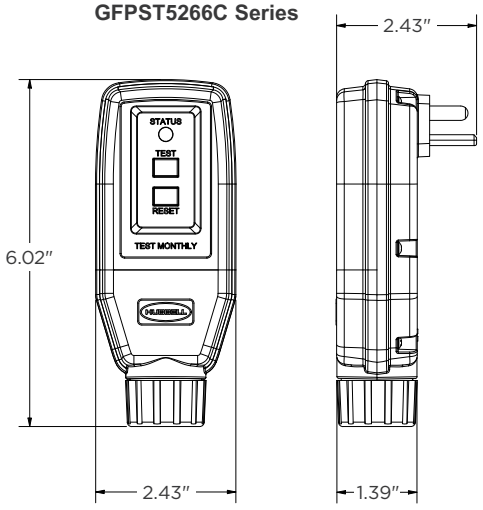
GFPST515A

Specifications

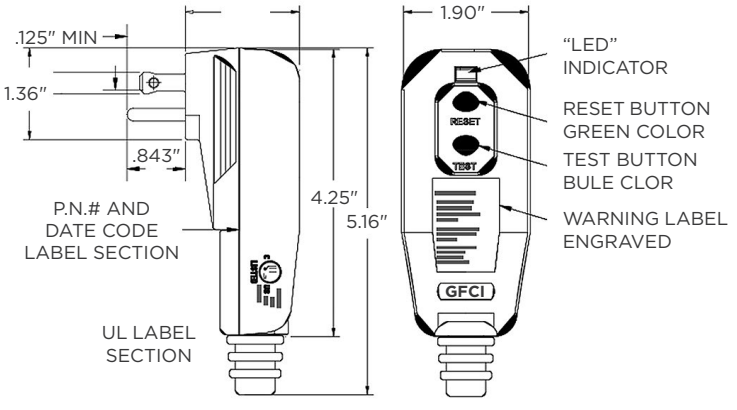
Trip Level	4 to 6 mA
Trip Time	.025 sec. nominal
Frequency	60 Hz
Voltage	120V AC +10% – 15%. Incorporates no voltage release feature
Amperage	15A
Maximum Interrupting Capacity	2,000A
Operating Temperature	-35°C to 66°C or -30°F to 150°F
Maximum Humidity	95%.
Housing	High-impact, UV stabilized material. UL94V-0 flammability classification
Input	NEMA 5-15P
Cord Range	16/3 – 12/3 Type SJ, 18/3 – 12/3 Type S
Cord Type: Length (GFP1C)	14/3 Type SJTW-A (UL), SJTW (CSA); 1 foot; NEMA 5-15R
Power "ON" Indication	Indicator light
Listings	Meets UL943 Class A Listed, CSA Certified
Codes	Meets all NEC® and CEC requirements

Product Dimensions

GFPST5266C Series



GFPST515 Series



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Features and Benefits

Portable GFCI Line Cords provide ground fault protection both indoors and out. They interrupt electrical power for equipment loads when leakage to ground is 4-6 milliamperes. Available in lengths of 18″ (45.7 cm), 6′ (182.9 cm), and 25′ (762 cm). A 15′ (457.2 cm) OEM version with stripped leads is also available. They are offered with an Automatic Set or Manual Set feature to meet your application.





Housing Design

- High impact UV stabilized housing resists dust, sunlight and chemicals for long life
- Watertight GFCI housing for use in harsh environments
- Available in Automatic Set with yellow base or Manual Set with black base



Molded Strain Relief

- Heavy-duty molded strain relief prevents conductor strain and resulting failure



Safety

- One-piece flush sealed keypads for greater reliability and resistance to damage due to impact
- Bright fault indicator light provides fault confirmation from a distance



Plug and Connector

- Heavy-duty molded plug and connector for reliable connection
- Solid (not formed) plug blades are crimped and soldered for a better connection and longer life

Industrial Grade, Portable GFCI Line Cords

IP21 SUITABILITY

c UL us

Circuit Guard® Portable GFCI Line Cords, 15A 120V AC

Description	Automatic Set	Manual Set
18" (45.7 cm) GFCI line cord.	GFPST4C15A	GFPST4C15M
6' (182.9 cm) GFCI line cord.	GFPST6C15A	GFPST6C15M
25' (762.0 cm) GFCI line cord.	GFPST25C15A	GFPST25C15M
15' (457.2 cm) GFCI power supply cord with stripped leads.	GFPSTOEMA*	GFPSTOEMM*
50' (1524.0 cm) GFCI power supply with Elastogrip® watertight straight blade.	—	GFPST50C15WM
100' (3048.0 cm) GFCI power supply with Elastogrip watertight straight blade.	—	GFPST100C15WM

*Note: *Total length is 15' 4.5" (468.6 cm) including leads: green 4.5" (114.3), black and white 3.5" (88.9). Each pre-stripped .375" (9.5).*



GFPST4C15A

Circuit Guard Portable GFCI Line Cords, 20A 120V AC

Description	Automatic Set	Manual Set
3' (91.4 cm) GFCI line cord.	—	GFPST3C20M



GFPST25C15A

Circuit Guard Manual Set Twist-Lock® Portable GFCI Line Cords 15A 120V AC 20A 120V AC

Description	Catalog Number	
3' (91.4 cm) GFCI line cord.	GFPST3C15MTL	GFPST3C20MTL

Automatic Set GFCI

Automatically energizes or sets the GFCI for use upon plug in and after the loss of primary power (power failure or unplugging the device). After a ground fault condition, unit must be reset by pushing the reset button. This feature eliminates the need for unit to be reset each time it is plugged in or powered up. Ideal for equipment intended for continuous use where a temporary power failure is likely and undesirable. Examples are pumps, pressure washers, portable signs or lighting and engine heaters.

Manual Set GFCI

Requires the GFCI to be manually set for use by pressing the reset button upon plug in and after loss of primary power (power failure or unplugging the device). Must be manually reset after a ground fault condition. Ideal for applications where operator injury might occur if equipment were to restart after a power failure. Typical equipment includes power drills, saws, lathes and grinders.



GFPST6C15M

	Straight Blade	Twist-Lock
Input	15A NEMA 5-15P, 20A NEMA 5-20P	15A NEMA L5-15P HBL47CM20C, 20A NEMA L5-20P HBL23CM11
Output	15A NEMA 5-15R (except GFPSTOEM), 20A NEMA 5-20R	15A NEMA L5-15R HBL47CM29C, 20A NEMA L5-20R HBL23CM13



GFPSTOEMM

Specifications

Portable GFCI Line Cords	
Trip Level	4 to 6 mA
Trip Time	.025 sec. nominal
Frequency	60 Hz
Voltage	120V AC +10% – 15%. Incorporates no voltage release feature
Amperage	15A/20A
Maximum Interrupting Capacity	2000A
Operating Temperature	-35°C to 66°C or -30°F to 150°F
Maximum Humidity	95%
Housing	High-impact, UV stabilized PVC. UL 94V-0 flammability classification Meets UL and CSA watertight requirements. Adhesive bonded
Cord Type	14/3 SJTW-A (UL), SJTW (CSA). Except GFP3C20M, GFP3C15MTL and GFP3C20MTL are 12/3 SJTW
Visual Fault Indication Light On	Indicates fault
Listing and Standards	Meets UL943 Class A, UL File E41978, CSA Certified
Codes	Meets all NEC® and CEC requirements



GFPST3C20MTL

NEC is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Commercial Grade, Portable GFCI Line Cords

Circuit Guard® Portable GFCI Single Outlet, 15A 120V AC - 12/3 SJEOW

Description	Automatic Set	Manual Set
2′ (60.9 cm) GFCI line cord.	GFPST2CA	GFPST2CM
25′ (762.0 cm) GFCI line cord.	GFPST25CA	GFPST25CM

Circuit Guard Portable GFCI Triple Tap Outlet, 15A 120V AC - 12/3 SJEOW

Description	Automatic Set	Manual Set
2′ (60.9 cm) GFCI line cord.	GFPST2TTA	GFPST2TTM
25′ (762.0 cm) GFCI line cord.	GFPST25TTA	GFPST25TTM

Circuit Guard OEM Equipment Integrated Cord Sets, 15A 120V AC - 14/3 SJEOW

Description	Automatic Set	Manual Set
15′ (457.2 cm) GFCI with flying leads.	GFPST15LA	GFPST15LM
35′ (1066.8 cm) GFCI with flying leads.	GFPST35LA	GFPST35LM

15A GFCI In Line GFCI, Single and Triple Tap, 15A 120V AC - 12/3 SJTW

Description	Automatic Set	Manual Set
2′ (60.9 cm), 5-15 single tap.	GFPILST15125A	GFPILST15125M
2′ (60.9 cm), 5-15 triple tap.	GFPILST15125TRIA	GFPILST15125TRIM

20A GFCI In Line GFCI, Locking, 20A 120V AC - 12/3 SJTW - Type 4X, IP69, and IP69K

Description	Automatic Set	Manual Set
2′ (60.9 cm), L5-20 locking.	GFPILST20125LKA	GFPILST20125LKM

20A GFCI In Line GFCI, Locking, 20A 250V AC - 12/3 SJTW - Type 4X, IP69, and IP69K

Description	Automatic Set	Manual Set
2′ (60.9 cm), L6-20 locking.	GFPILST20250LKA	GFPILST20250LKM

20A GFCI Field-Wired In Line 120V AC

Description	Automatic Set	Manual Set
20A field wired in line.	—	GFP20FWM

Specifications

Portable GFCI Line Cords

Trip Level	4 to 6 mA
Trip Time	.025 sec. nominal
Frequency	60 Hz
Voltage	120/250V AC +10% - 15%. Incorporates no voltage release feature
Amperage	15A/20A
Maximum Interrupting Capacity	2000A
Operating Temperature	-35°C to 66°C or -30°F to 150°F
Maximum Humidity	95%
Housing	High-impact, UV stabilized PVC. UL 94V-0 flammability classification Meets UL and CSA watertight requirements. Adhesive bonded
Visual Fault Indication Light On	Indicates fault
Listing and Standards	Meets UL943 Class A, UL File E41978, CSA Certified
Codes	Meets all NEC® and CEC requirements

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



GFPST2CA



GFPST2TTA



GFPST15LA



GFPILST15125TRIM



GFPILST20125LKA



GFP20FWM

Dimensions in Inches (mm)

Portable GFCI, GFCI Module, GFCI Tester

IP21 SUITABILITY

Multiple Outlet Portable GFCI

Description	Rating	Receptacles	Plug	Catalog Number
4 outlet, manual set, yellow.	15A, 120V AC	(2) Duplex 5-15R	NEMA 5-15P	**GFP15M**
4 outlet, manual set, yellow.	20A, 120V AC	(2) Duplex 5-20R	NEMA 5-20P	**GFP20M**



GFP15M

GFCI Module - UL Type 3R Rated

Description	Rating	Catalog Number
GFCI module, manual set, yellow.	20A, 120V AC, 60 Hz	**GFMST20**
GFCI module, auto set, yellow.	20A, 120V AC, 60 Hz	**GFMST20A**



GFMST20

- Designed to measure the trip level of portable or "wired-in" GFCI's in a range of 2-7mA Leakage level can be adjusted from 2-7mA.
- Ideal for measuring leakage level of GFCI breakers, GFCI portables and GFCI receptacles.

GFCI Tester

Description	Rating	Catalog Number
Ground fault tester.	120V AC	**GFT2G**



GFT2G

Specifications

	GFP15M / GFP20M	GFMST20 / GFMST20A
Trip Level	4 to 6 mA	4 to 6 mA
Trip Time	.025 sec. nominal	.025 sec. nominal
Frequency	60 Hz	60 Hz.
Voltage	120V AC +10% - 15% No voltage release feature	120V AC +10% - 15% No voltage release feature
Maximum Interrupting Capacity	5000A	5000A
Current	15A / 20A	20A / 20A Feed-through
Operating Temperature	-35°C to 66°C or -30°F to 150°F	-35°C to 66°C or -30°F to 150°F
Housing Rating	High-impact, yellow Valox® with protective lift covers	High-impact, UV stabilized, rigid PVC UL 94V-0 flammability classification UL Type 3R Rated
Input	5-15P, 15A / 5-20P, 20A. IP21 Suitability	#12 AWG stranded conductors (black/white/green)
Output	5-15R(4), 15A / 5-20R(4), 20A	#12 AWG stranded conductors (red/gray)
Power Supply Cord	6' (182.9 cm) STOW-A (STW FT2 CSA)	N/A
Mounting Screws	N/A	Self-tapping, combination, #6-32
Power "ON" Indication	LED indicator light	LED indicator light
Agency Approvals	UL Listed, UL498 for receptacles Meets UL943 Class A for GFCI's	UL Listed, CSA Certified Meets UL943 Class A for GFCI's
Codes	Meets all NEC® and CEC requirements	Meets all NEC® and CEC requirements

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
NEC is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Applications

- Power Generators
- Submersible Pumps
- Textile
- Agricultural Equipment
- Cement Cutting Equipment
- Food Processing
- Production Assembly Equipment
- Spa and Hot Tubs
- Vending Equipment

Extra Heavy Duty Industrial Circuit Guard® Hard Wired 30A GFCI - UL Type 4X Rated

Description	Voltage	Alarm	Automatic Set	Manual Set
Hard wired, manual set and automatic set GFCIs.	120V AC	None	**GFHW13105**	**GFHW13005**
	120V AC	Audible	**GFHW13115**	**GFHW13015**
	240V AC	None	**GFHW23105**	**GFHW23005**
	240V AC	Audible	**GFHW23115**	**GFHW23015**
	120/240V AC	Audible	**GFHW33115**	**GFHW33015**
	3Ø 250V AC	None	**GFHW531**	**GFHW530**
	3Ø 120/208V AC	None	**GFHW431**	**GFHW430**
	3Ø 208V AC	None	**GFHW83105**	—



Automatic Reset GFCI



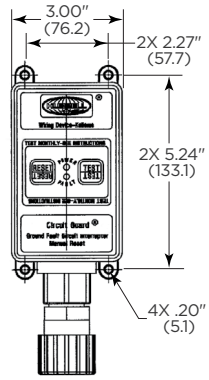
Manual Reset GFCI

Specifications

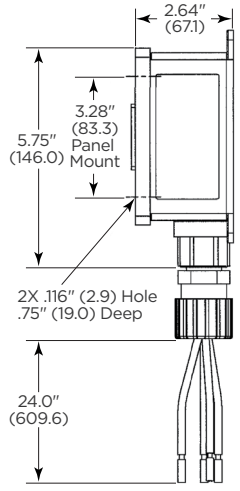
Electrical Ratings	
Rated Voltage	120V AC, 240V AC, 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC
Operating Voltage Range	85% to 110%
Current	Up to 30A or device rating
Frequency	60 Hz
Trip Level	4-6 mA
Phase	Single
Response Time	.025 sec. Max
Dielectric Withstand	1500 VRMS across contact, 4000 VRMS between conductors and enclosure.
Surge Withstand	6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with 40% decay per cycle
Let Go Line Voltage	60% of rated
Grounded Neutral Detection	6 Ohms or less
Power Up	Manual or automatic reset
Environmental Ratings	
Housing Rating	UL Type 4X
Construction	Industrial grade design
Type	Class A GFCI
Operating Temperature	-35°C to 66°C, -30°F to 150°F
Leakage Current @ 93% Humidity	Zero
Features	
Life (Endurance)	10,000 cycles (6000 with load and 4000 without load)
Grounded Neutral Protection	Open neutral protection Trips upon loss of neutral Trips if ground and neutral touch at load side
Power On Indicator	Green light on
Power Off Indicator	Red blinking light plus optional audible alarm
Wiring Application	3 Wire Single Phase (Hot, Neutral and Ground), 4 Wire Single Phase (Line 1,Line 2, Neutral and Ground)
Switch Interface	Double Insulated
Latching Mechanism	Electromagnetic
Physical Specifications	
Wire Leads	#10 AWG, 24" long
Unit Color	Gray with black cover
Label Color on Portable and Hard Wired Units	Automatic reset: yellow background with black lettering Manual reset: black background with yellow lettering
Weight	1.40 lbs

Related Code

Confined Space	OSHA 29 CFR 1926.404 (b) (1) (ii) OSHA 29 CFR 1926.405 (a) (2) (ii) (G)
Construction Sites	NEC 590.6
Commercial Garages	NEC 511.12
Fountains	NEC 680.5B
Spas and Hot Tubs	NEC 680.40
Marinas	NEC 555.3



Product Dimensions



Side View

Dimensions in Inches (mm)

Extra Heavy Duty Portable GFCI

Applications

- Pressure Washers
- De-icing Equipment
- Pipeline Heaters
- Portable Electric Heaters
- Material Dryers
- Automotive Garages
- Portable Power Tools
- Submersible Pumps
- Outdoor Signage



GFPST1311



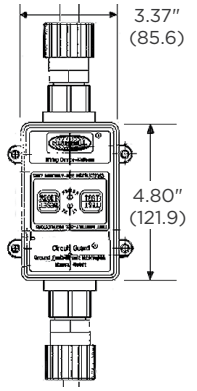
GFPILST30250LKM

Extra Heavy Duty Industrial Circuit Guard® Portable 30A GFCI - UL Type 4X Rated

Description	Cord Length	Voltage	Manual Set	Automatic Set
Portable, manual set and automatic set GFCIs.	2′ (60.9 cm)	120V AC	GFPST1301	GFPST1311
	6′ (182.9 cm)	120V AC	GFPST1305	GFPST1315
	25′ (762.0 cm)	120V AC	GFPST1302	GFPST1312
	50′ (1524.0 cm)	120V AC	GFPST1303	GFPST1313
	2′ (60.9 cm)	240V AC	GFPST2301	GFPST2311
	25′ (762.0 cm)	240V AC	GFPST2302	GFPST2312
	6′ (182.9 cm)	120/240V AC	GFP3305	GFP3315
	6′ (182.9 cm)	3Ø 250V AC	GFP5305	GFP5315
	6′ (182.9 cm)	3Ø 120/208V AC	GFPST4305	GFPST4315
	6′ (182.9 cm)	3Ø 208V AC	GFP8305	GFP8315

Extra Heavy Duty Industrial Circuit Guard 30A GFCI In Line GFCI – Locking

Description	Cord Length	Voltage	Manual Set	Automatic Set
L5-30 locking.	2′ (60.9 cm)	120V AC	GFPILST30125LKM	GFPILST30125LKA
L6-30 locking.	2′ (60.9 cm)	250V AC	GFPILST30250LKM	GFPILST30250LKA



Product Dimensions

Plug and Connector Selector Chart (partial listing)

The chart below is a list of possible Hubbell plug and connector body products that can be used with the Hubbell Portable GFCIs.

Family	Style	Amps	Voltage	Hubbell Catalog Number
Insulgrip®	Straight Blade	15	120V AC	HBL5266C & HBL5269C
Insulgrip	Twist-Lock®	30	240V AC	HBL2621 & HBL2623
Watertight Safety-Shroud®	Twist-Lock	30	240V AC	HBL2621SW & HBL2623SW
IEC Pin & Sleeve	Watertight Pin & Sleeve	30	240V AC	HBL330P6W & HBL330C6W
Insulgrip Pin & Sleeve	Insulgrip® Pin & Sleeve	30	240V AC	HBL330PS2W & HBL330CS2W
Hubbellock®	Hubbellock	20	120V AC	HBL23035B & HBL23032B

Specifications

Electrical Ratings	
Rated Voltage	120V AC, 240V AC, 120/240V AC, 3Ø 250V AC, 3Ø 120/208V AC
Operating Voltage Range	85% to 110%
Current	Up to 30A or device rating
Frequency	60 Hz
Trip Level	4-6 mA
Response Time	25 mS Max
Dielectric Withstand	1500 VRMS across contact, 4000 VRMS between conductors and enclosure
Surge Withstand	6000V impulse, 0.5 microseconds rise time 100kHz ringing frequency with 40% decay per cycle
Let Go Line Voltage	60% of rated
Power Up	Manual or Automatic reset

Environmental Ratings	
Housing Rating	UL Type 4X
Construction	Industrial grade design
Type	Meets UL943 Class A GFCI
Operating Temperature	-35°C to 66°C, -30°F to 150°F
Leakage Current @ 93% Humidity	Zero

Features	
Life (Endurance)	10,000 cycles (6000 with load and 4000 without load)
Open Neutral Protection	Trips upon loss of neutral
Grounded Neutral Protection	Trips if ground and neutral touch at load side
Power On Indicator	Green light on
Power Off Indicator	Red blinking light plus optional audible alarm
Wiring Application	3 Wire Single Phase (Hot, Neutral and Ground) 4 Wire Single Phase (Line 1, Line 2, Neutral and Ground)
Switch interface	Double Insulated
Latching Mechanism	Electromagnetic

Physical Specifications	
Cord Type	2-50', 10/3 SJGOOW. 100', 8/3 SEOW
Unit Color	Gray with black cover
Label Color on Portable and Hard Wired Units	Automatic reset: Yellow background with black lettering Manual reset: Black background with yellow lettering
Weight	2 ft. 1.8 lbs., 6 ft. 2.7 lbs., 25 ft. 6.8 lbs., 50 ft. 12.4 lbs.,100 ft. 23.3 lbs

Related Code

Confined Space	OSHA 29 CFR 1926.404 (b) (1) (ii) OSHA 29 CFR 1926.405 (a) (2) (ii) (G)
Construction Sites	NEC 590.6
Commercial Garages	NEC 511.12
Outdoor Signs	NEC 600.10
Spas and Hot Tubs	NEC 680.40
Boat Yards	NEC 555.3

Dimensions in Inches (mm)

Features and Benefits

UL Type 4X

The GFCI protected FD box provides a UL Type 4X GFCI enclosure made for wet and damp locations for 30A 120V and 240V Watertight receptacles. The GFCI response time does not exceed .025 seconds ensuring a safe circuit shut down if the current were to deviate from its path. Auto resetting GFCI box, when connected to an FD box by utilizing a PolyTuff® liquid tight conduit provides advanced safety features for Watertight devices.







GFCI Housing Design

- UL enclosure Type 4X, for wet and damp locations; components are UL and CSA Listed
- 30A, 120V and 240V with auto reset
- GFCI response time is .025 sec. max
- Grounded neutral protection trips if ground and neutral touch at load side



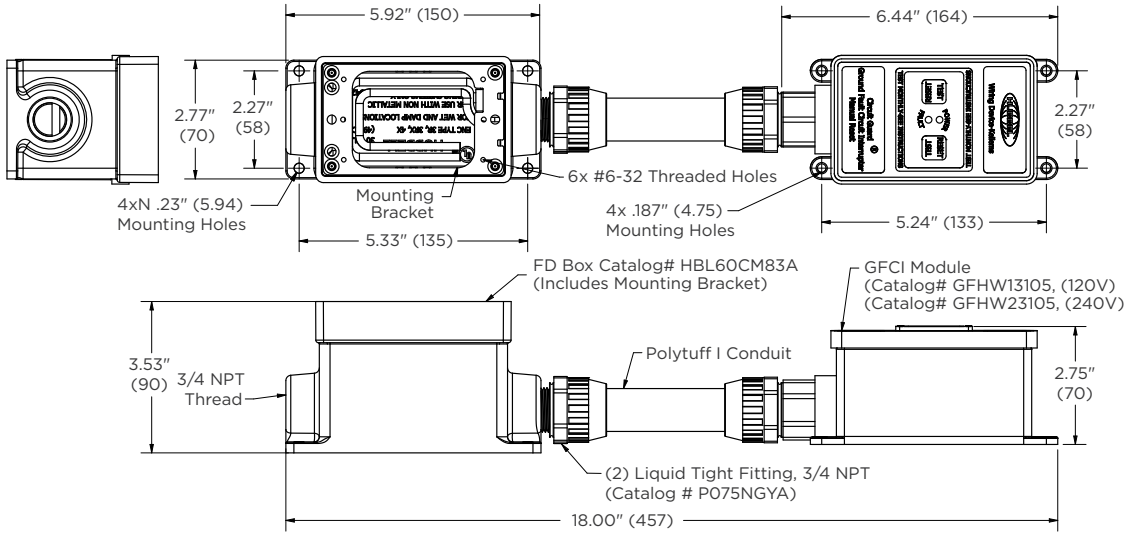
FD Box

- Utilizes PolyTuff liquidtight conduit and fittings
- UL enclosure Type 4X, for wet and damp locations; components are UL and CSA Listed
- For use with single and duplex watertight receptacles (single phase only)

Note: Watertight receptacles purchased separately.

GFCI Protected FD Box

	Description	Catalog Number
FD Box	Watertight FD box, GFCI module, 30A 120V, yellow.	**HBLWTGF120**
	Watertight FD box, GFCI module, 30A 240V, yellow.	**HBLWTGF240**





HBLWTGF120
HBLWTGF240

Dimensions in Inches (mm)

Portable GFCI Cord Drops

Extra Heavy Duty Industrial Circuit Guard® Portable GFCI - Type 4X

Description	Cord length	Amperage	Voltage	Catalog Number
Portable GFCI cord drop with black SEOOW cable and Kellems mesh strain relief, automatic set. See page M-20 for product specifications and dimensions.	10′ (304.8 cm)	20A	125V AC	**GFP201251P**
	10′ (304.8 cm)	20A	250V AC	**GFP202501P**
	10′ (304.8 cm)	20A	208V AC	**GFP202081P**
	10′ (304.8 cm)	30A	125V AC	**GFP301251P**
	10′ (304.8 cm)	30A	250V AC	**GFP302501P**
	10′ (304.8 cm)	30A	208V AC	**GFP302081P**
	10′ (304.8 cm)	30A	3Ø 208V AC	**GFP302083P**
	10′ (304.8 cm)	30A	3Ø 240V AC	**GFP302403P**
	25′ (762.0 cm)	20A	125V AC	**GFP201251P25**
	25′ (762.0 cm)	20A	250V AC	**GFP202501P25**
	25′ (762.0 cm)	20A	208V AC	**GFP202081P25**
	25′ (762.0 cm)	30A	125V AC	**GFP301251P25**
	25′ (762.0 cm)	30A	250V AC	**GFP302501P25**
	25′ (762.0 cm)	30A	208V AC	**GFP302081P25**
	25′ (762.0 cm)	30A	3Ø 208V AC	**GFP302083P25**
	25′ (762.0 cm)	30A	3Ø 240V AC	**GFP302403P25**



GFP201251P

Extra Heavy Duty Industrial Circuit Guard Hard Wired 60A GFCI - Type 4X

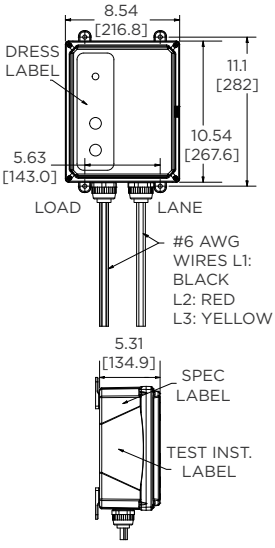
Description	Amperage	Voltage	Catalog Number
60 amp single or 3-Phase GFCI Class A automatic set.	60A	1Ø or 3Ø 208V AC	**GFHW86108**



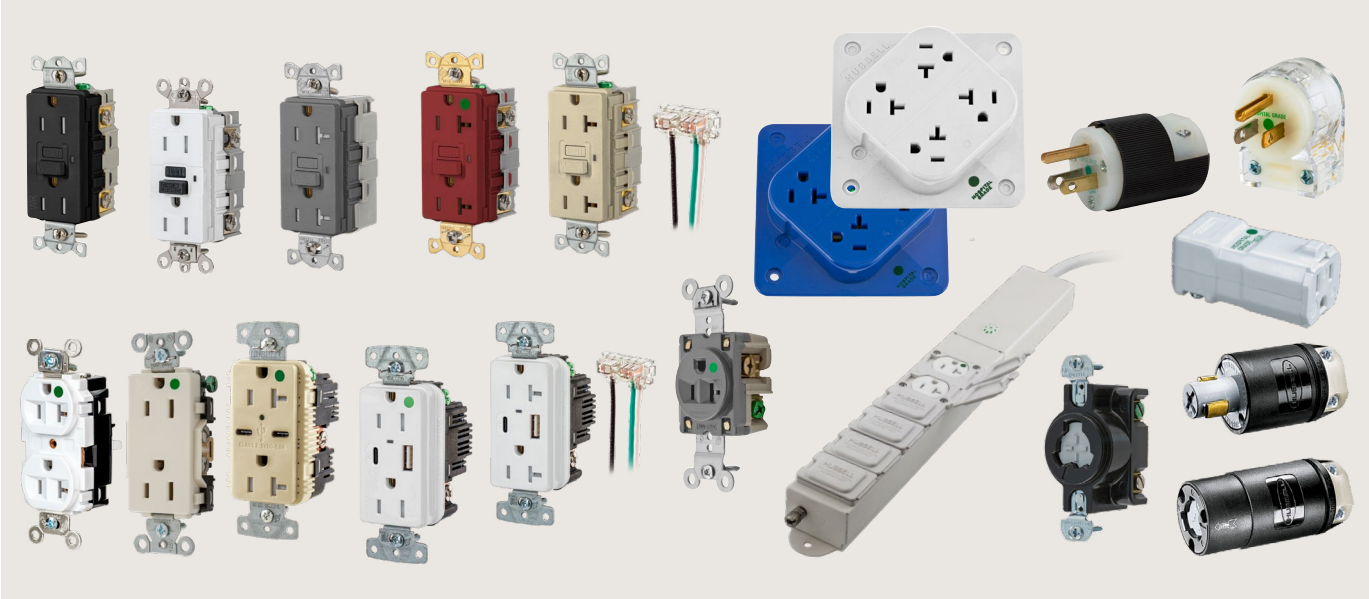
GFHW86108

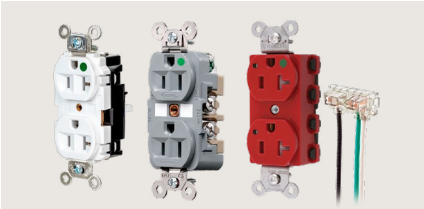
Specifications

Rated Voltage	208VAC (150V to ground max) "Class-A"
Operating Voltage Range	85% to 110% of rated
Current	Up to 60 Amps or Device Rating
Horsepower	Up to 20 HP 3Ø/ 7.5HP 1Ø
Frequency	60 Hz.
Trip Level	5mA +/- 1mA
Response Time	25ms max at 500Ω fault
Power up	Auto: Output is on immediately upon power up
Display	Illuminated TEST/RESET pushbutton, triple indication of Protecting & Power-out versus Fault
Enclosure	High impact polycarbonate 8x10x4 inch, NEMA 4X
Operational Temperature	-35" C to 50" C (-31" F to 122" F)
Connections	60" splicing lead wires and 1" NPT conduit fittings for integration to flexible, EMT, PVC, or burial conduit
Short Circuit	10KA (panel tested), higher with appropriate fusing
Dielectric With stand	1500 VRMS across contact, 4000V to enclosure
Voltage Surge With stand	4000V/2000A 20-times per ICE 6100D-4-5
Agency	Listed to UL943

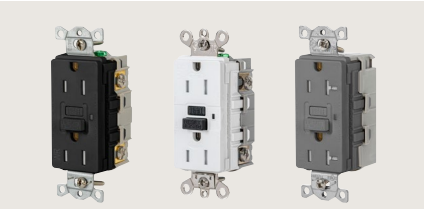


Dimensions in Inches (mm)





HBL® Extra Heavy Duty Max Hospital Grade Devices



Industrial and Commercial Series GFCIs



Surge Protection Devices

Products at a Glance N-2

HBL Extra Heavy Duty Max Hospital Grade Devices
- Features and Benefits N-3
- Duplex and Style Line® Decorator N-4

SNAPConnect® Extra Heavy Duty Hospital Grade Devices
- SNAPConnect, inLIGHT Receptacles N-5
- GFCI, USB and Surge Receptacles N-7

EdgeConnect™ Hospital Grade Devices N-8

Hubbell-PRO Extra Heavy Duty Receptacles N-9

USB Charger Receptacles N-11

4-PLEX® Receptacles N-11

Hospital Grade Plugs, Connector Bodies and Receptacles
- 15 and 20A, 125V N-12
- 15 and 20A, 250V N-12

Extra Heavy Duty Industrial GFCI Receptacles N-13

Commercial GFCI Receptacles
- Tamper-Resistant N-14
- Tamper-Resistant and Weather Resistant N-15
- Standard N-16

Hospital Grade Surge Protection Devices N-17

Hubbellock® Plugs, Connectors and Receptacles N-18

Hubbellock Mobile X-Ray Devices N-19

ScrubSwitch™ Proximity Tap Sealed Switches N-20

Healthcare Outlet Assemblies and Power Strips N-21

inREACH™ Medical Cord Reels & Plenum Rated Enclosure N-22

Products at a Glance



HBL® Extra Heavy Duty Max Hospital Grade

- Deep nylon body design increases impact and chemical resistance
- One-piece nickel-plated brass ground strap
- ID marking surface for quick circuit identification
- Square head, 10-thread bronze center rivet
- External back wire clamp



4-PLEX® Receptacles

- Hospital Grade and Surge styles
- Mounts directly to 4-inch square box
- "A" and "B" circuit ID molded into face
- Removable knockouts for mounting to octagon concrete ring or box
- Heavy duty, triple wipe, brass power and ground contacts



Extra Heavy Duty SNAPConnect®

- Hospital Grade and Specification Grade
- SNAPConnect modular wiring device system saves installation time
- Eliminates screw terminations
- Steel mounting strap, self-grounding
- Compact size requires minimal space



SpikeShield® Surge Suppression Plug Strips

- UL2930 HCOAs
- UL1449 SPDs available
- 15A and 20A versions
- 6 foot or 15 foot cords available
- USB versions in several models



Hubbell-PRO Extra Heavy Duty

- Hospital Grade and Specification Grade
- Tamper-Resistant, NOT Plug Resistant™
- Power indicating LED feature optional
- Circuit ID marking area on Hospital Grade
- Steel mounting strap, self-grounding
- Assembled in USA



Hubbellock® Devices

- Mobile X-Ray devices
- Nylon cover, thermoset interior
- Armored, epoxy filled, rubber cord grip



USB Charger Receptacles

- Two Type-C, Type A&C port configurations, USB-C Power Delivery port up to 20 Volt (55 Watt) output, second USB-C or A convenience port up to 5 Volt (7.5 Watt) output
- Heavy duty stainless steel USB ports; rated for 10,000 cord insertions and removals
- Patented Hubbell Tamper-Resistant technology uses cam action shutters
- SNAPConnect devices, reduce labor costs and installation time



EdgeConnect™ Devices

- Hospital and Specification Grade
- Experience better wire retention
- Enjoy faster installation time

Features and Benefits

UL requirements for Hospital Grade devices are more stringent than those for standard devices. Hubbell receptacles are designed to meet and exceed the standards.

- Exclusive nickel-plated bypass contact design increases contact pressure, lowering the operating temperature
- Four point grounding system provides redundant grounding for low resistance ground continuity in high abuse areas
- Impact resistant deep face design prevents breakage

Because of these features and others, the benefit is performance, reliability and value for any health care facility.





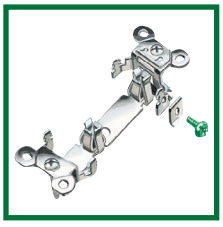
Housing Design

- Reinforced thermoplastic base provides superior thermal, electrical and mechanical properties
- Providing contact stability, this high performance material will reduce heat buildup giving you long lasting performance
- Deep body design increases impact and chemical resistance



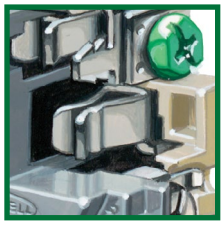
Terminals

- External wiring clamps allow for visual inspection of the terminals
- Unique strand containment feature on the terminal “bundles” the wire, ensuring 100% clamping of wire strands and reducing heat from the termination



One-Piece Mounting Strap

- Back wired ground terminal allows faster, easier installation
- One-piece nickel-plated brass integral ground strap for greater corrosion resistance
- Patented ground contact provides redundant grounding



Contacts

- Exclusive bypass contacts are made of nickel-plated brass alloy, increasing blade retention, insuring reliable uninterrupted flow of power
- Barbed assembly arms reduce possibility of face/base separation



Identification

- I.D. marking surface provides quick, sure circuit identification
- All Hospital Grade devices are marked with the green dot symbol, required by UL



Center Rivet

- Square head, 10-thread bronze center rivet won’t rotate, reduces stripping and resists corrosion

HBL® Extra Heavy Duty Max Devices

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY

Fed. Spec.

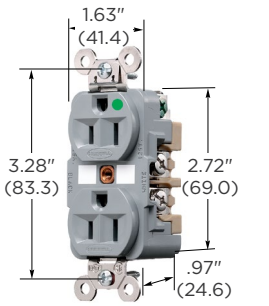
HBL Extra Heavy Duty Max Hospital Grade ● Receptacles

Duplex	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Flush, thermoplastic polyester face, back and side wired.	Black Blue Brown Gray Ivory Light Almond Red White	**HBL8200BK** — **HBL8200** **HBL8200GY** **HBL8200I** **HBL8200LA** **HBL8200RED** **HBL8200W**	— **HBL8300BL** **HBL8300** **HBL8300GY** **HBL8300I** **HBL8300LA** **HBL8300RED** **HBL8300W**
Flush, LED illuminated face, back and side wired.	Gray Ivory Red White	**HBL8200ILGY** **HBL8200ILI** **HBL8200ILR** **HBL8200ILW**	**HBL8300ILGY** **HBL8300ILI** **HBL8300ILR** **HBL8300ILW**
Tamper-Resistant receptacle with wire leads. Complies with requirements of NEC® article 517-18(c).	Brown Gray Ivory Light Almond Red White	**HBL8200SGA** **HBL8200SGGYA** **HBL8200SGIA** — **HBL8200SGRA** **HBL8200SGWA**	**HBL8300SGA** **HBL8300SGGYA** **HBL8300SGIA** **HBL8300SGLA** **HBL8300SGRA** **HBL8300SGWA**
Isolated ground†.	Orange Red	**IG8200** **IG8200R**	**IG8300** **IG8300R**
MRI Receptacle, Duplex			
MRI receptacle, flush, thermoplastic polyester face, back and side wired. 100% non-ferrous.	Ivory Light Almond Red White	**HBL8200IMRI** **HBL8200LAMRI** **HBL8200RMRI** **HBL8200WMRI**	**HBL8300IMRI** **HBL8300LAMRI** **HBL8300RMRI** **HBL8300WMRI**
Slender/Compact, Duplex			
Flush, thermoplastic polyester face, back and side wired, Fed. Spec. verified.	Brown Gray Green Ivory Light Almond Red White	**HBL8200H** **HBL8200HG** — **HBL8200HI** **HBL8200HLA** **HBL8200HRED** **HBL8200HW**	**HBL8300H** **HBL8300HG** **HBL8300HGN** **HBL8300HI** **HBL8300HLA** **HBL8300HRED** **HBL8300HW**
Style Line® Decorator*			
Flush, nylon face, back and side wired.	Brown Gray Ivory Red White	**HBL2172** **HBL2172GY** **HBL2172I** **HBL2172R** **HBL2172WA**	**HBL2182** **HBL2182GY** **HBL2182I** **HBL2182R** **HBL2182WA**
Isolated ground†.	Ivory Orange White	— — —	**IG2182I** **IG2182** **IG2182WA**
Single			
Flush, nylon face, back and side wired, Fed. Spec. verified.	Brown Gray Ivory Red White	**HBL8210** **HBL8210GY** **HBL8210I** **HBL8210R** **HBL8210W**	**HBL8310** **HBL8310GY** **HBL8310I** **HBL8310R** **HBL8310W**
Panel mount on 1.94 in. (49.2) centers.	Brown Ivory	**HBL8284** **HBL8284I**	— **HBL8384I**
Isolated ground†.	Orange	**IG8210**	**IG8310**
250 Volts Duplex			
Flush, thermoplastic polyester face, back and side wired.	Brown Ivory	**HBL8600** **HBL8600I**	**HBL8400** **HBL8400I**

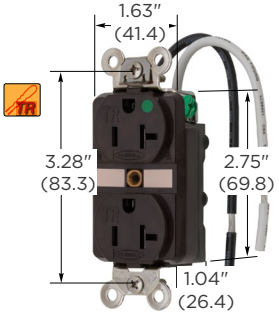
Note: †See section O for additional information on isolated ground devices.
**Not Fed. Spec. Listed.*
See pages B-53 and B-54 for accessories. See section P for wallplates.
See page Tech-10 for Tamper-Resistant description.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

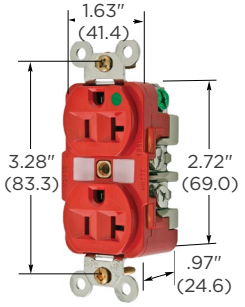
Dimensions in Inches (mm)



HBL8200GY



HBL8300SGA



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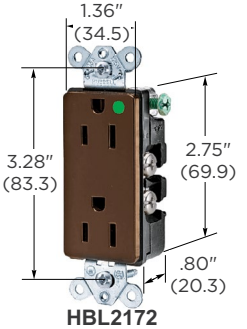
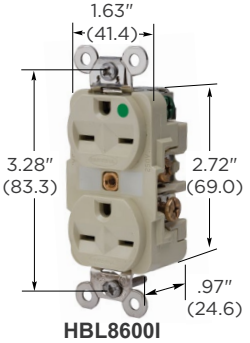


HBL2172



HBL8600I

HUBBELL Wiring Device-Kellems

15 and 20 Ampere, 125 Volts

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

IP20 SUITABILITY

Fed. Spec.

SNAPConnect Extra Heavy Duty Hospital Grade ● Receptacles

Duplex	Color	Catalog Number	
Hospital grade, finder groove, nylon face, modular receptacle which requires pigtailed connector on page N-15.	Black Brown Gray Ivory Light Almond Red White	SNAP8200BKA SNAP8200A SNAP8200GYA SNAP8200IA SNAP8200LAA SNAP8200RA SNAP8200WA	SNAP8300BKA SNAP8300A SNAP8300GYA SNAP8300IA SNAP8300LAA SNAP8300RA SNAP8300WA
Hospital grade, tamper-resistant, smooth nylon face, modular receptacle which requires pigtailed connector on page N-15.	Black Brown Gray Ivory Light Almond Red White	SNAP8200BKTRA SNAP8200TRA SNAP8200GYTRA SNAP8200ITRA SNAP8200LATRA SNAP8200RTRA SNAP8200WTRA	SNAP8300BKTRA SNAP8300TRA SNAP8300GYTRA SNAP8300ITRA SNAP8300LATRA SNAP8300RTRA SNAP8300WTRA
Hospital grade, tamper-resistant, split circuit, smooth nylon face, modular receptacle which requires pigtailed connector on page N-15.	Black Brown Gray Ivory Light Almond Red White	SNAP8200BKSCTRA SNAP8200SCTRA SNAP8200GYSCTRA SNAP8200ISCTRA SNAP8200LASCTRA SNAP8200RSCTRA SNAP8200WSCTRA	SNAP8300BKSCTRA SNAP8300SCTRA SNAP8300GYSCTRA SNAP8300ISCTRA SNAP8300LASCTRA SNAP8300RSCTRA SNAP8300WSCTRA
Isolated ground†, Hospital Grade, Tamper-Resistant.	Orange Red	SNAP8200IGTRA SNAP8200RIGTRA	SNAP8300IGTRA SNAP8300RIGTRA
Hospital Grade, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page N-15.	Black Brown Gray Ivory Light Almond Red White	SNAP8200BKL SNAP8200L SNAP8200GYL SNAP8200IL SNAP8200LAL SNAP8200RL SNAP8200WL	SNAP8300BKL SNAP8300L SNAP8300GYL SNAP8300IL SNAP8300LAL SNAP8300RL SNAP8300WL
Isolated Ground†, Hospital Grade, with Power Indicating LED.	Orange Red	SNAP8200IGL SNAP8200RIGL	SNAP8300IGL SNAP8300RIGL
Hospital Grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, modular receptacle which requires pigtailed connector on page N-15.	Black Brown Gray Ivory Light Almond Red White	SNAP8200BKLTRA SNAP8200LTRA SNAP8200GYLTRA SNAP8200ILTRA SNAP8200LALTRA SNAP8200RLTRA SNAP8200WLTRA	SNAP8300BKLTRA SNAP8300LTRA SNAP8300GYLTRA SNAP8300ILTRA SNAP8300LALTRA SNAP8300RLTRA SNAP8300WLTRA
Isolated Ground†, Hospital Grade, Tamper-Resistant with Power Indicating LED.	Orange Red	SNAP8200IGLTRA SNAP8200RIGLTRA	SNAP8300IGLTRA SNAP8300RIGLTRA

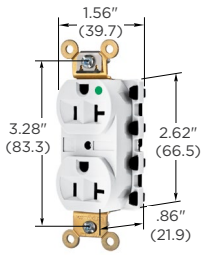
Note: Split circuit devices (like SNAP8300RSCTRA) available for controlled receptacles (like SNAP8300C1WTRA).

inLIGHT Illuminated Hospital Grade ● Receptacles

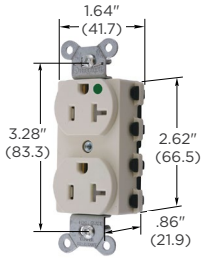
Description	Color	15A 125V	20A 125V
SNAPConnect Hospital Grade, Tamper-Resistant, duplex receptacle, with face LED indicator.	Gray Ivory Red White	SNAP8200GYLTR SNAP8200ILTR SNAP8200RLTR SNAP8200WLTR	SNAP8300GYLTR SNAP8300ILTR SNAP8300RLTR SNAP8300WLTR

SNAPConnect Extra Heavy Duty Hospital Grade ● Single Receptacles

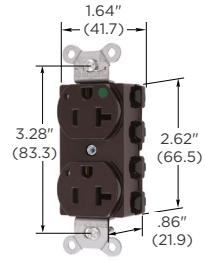
Color	Hospital Grade ●		Hospital Grade ● Tamper-Resistant	
	15A 125V	20A 125V	15A 125V	20A 125V
Black Blue Brown Gray Ivory Light Almond Red White	SNAP8210BK SNAP8210BL SNAP8210 SNAP8210GY SNAP8210I SNAP8210LA SNAP8210R SNAP8210W	SNAP8310BK SNAP8310BL SNAP8310 SNAP8310GY SNAP8310I SNAP8310LA SNAP8310R SNAP8310W	SNAP8210BKTR SNAP8210BLTR SNAP8210TR SNAP8210GYTR SNAP8210ITR SNAP8210LATR SNAP8210RTR SNAP8210WTR	SNAP8310BKTR SNAP8310BLTR SNAP8310TR SNAP8310GYTR SNAP8310ITR SNAP8310LATR SNAP8310RTR SNAP8310WTR



SNAP8300WA



SNAP8300LATR



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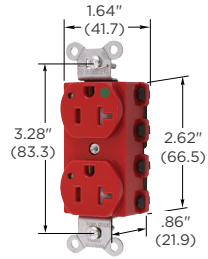

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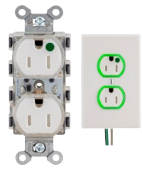
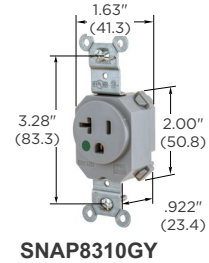

SNAP8200WLTR



SNAP8310GY

Dimensions in Inches (mm)

SNAPConnect® Extra Heavy Duty Devices

15 and 20 Ampere, 125 Volts

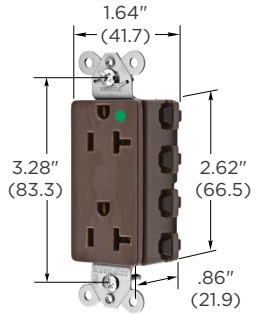
IP20 SUITABILITY

Fed. Spec.

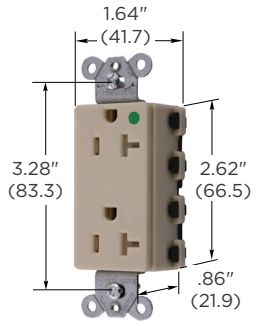
SNAPConnect Extra Heavy Duty Hospital Grade ● Receptacles

Style Line® Decorator	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Hospital grade, Style Line® decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page N-15.	Black Brown Gray Ivory Light Almond Red White	SNAP2172BKA SNAP2172A SNAP2172GYA SNAP2172IA SNAP2172LAA SNAP2172RA SNAP2172WA	SNAP2182BKA SNAP2182A SNAP2182GYA SNAP2182IA SNAP2182LAA SNAP2182RA SNAP2182WA
Hospital grade, Tamper-Resistant, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page N-15.	Black Brown Gray Ivory Light Almond Red White	SNAP2172BKTRA SNAP2172TRA SNAP2172GYTRA SNAP2172ITRA SNAP2172LATRA SNAP2172RTRA SNAP2172WTRA	SNAP2182BKTRA SNAP2182TRA SNAP2182GYTRA SNAP2182ITRA SNAP2182LATRA SNAP2182RTRA SNAP2182WTRA
Hospital Grade, Tamper-Resistant, Split Circuit, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page N-15.	Black Brown Gray Ivory Light Almond Red White	SNAP2172BKSCTRA SNAP2172SCTRA SNAP2172GYSCTRA SNAP2172ISCTRA SNAP2172LASCTRA SNAP2172RSCTRA SNAP2172WSCTRA	SNAP2182BKSCTRA SNAP2182SCTRA SNAP2182GYSCTRA SNAP2182ISCTRA SNAP2182LASCTRA SNAP2182RSCTRA SNAP2182WSCTRA
Isolated ground†, Hospital Grade, Tamper-Resistant.	Orange Red	SNAP2172IGTRA SNAP2172RIGTRA	SNAP2182IGTRA SNAP2182RIGTRA
Hospital Grade, with Power Indicating LED, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page N-15.	Black Brown Gray Ivory Light Almond Red White	SNAP2172BKL SNAP2172L SNAP2172GYL SNAP2172IL SNAP2172LAL SNAP2172RL SNAP2172WL	SNAP2182BKL SNAP2182L SNAP2182GYL SNAP2182IL SNAP2182LAL SNAP2182RL SNAP2182WL
Isolated ground†, Hospital Grade, with Power Indicating LED.	Orange Red	SNAP2172IGL SNAP2172RIGL	SNAP2182IGL SNAP2182RIGL
Hospital Grade, Tamper-Resistant, with Power Indicating LED, Style Line decorator, flush, nylon face, modular receptacle which requires pigtailed connector on page N-15.	Black Brown Gray Ivory Light Almond Red White	SNAP2172BKLTRA SNAP2172LTRA SNAP2172GYLTRA SNAP2172ILTRA SNAP2172LALTRA SNAP2172RLTRA SNAP2172WLTRA	SNAP2182BKLTRA SNAP2182LTRA SNAP2182GYLTRA SNAP2182ILTRA SNAP2182LALTRA SNAP2182RLTRA SNAP2182WLTRA
Isolated ground†, Hospital Grade, Tamper-Resistant with Power Indicating LED.	Orange Red	SNAP2172IGLTRA SNAP2172RIGLTRA	SNAP2182IGLTRA SNAP2182RIGLTRA

Note: †See section O additional information on isolated ground devices and section P for wallplates.
See page B-6 for additional information on SNAPConnect features.
See Page N-15 for SNAPConnect pigtailed terminals.
See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.
See pages B-53 and B-54 for accessories.



SNAP2182A



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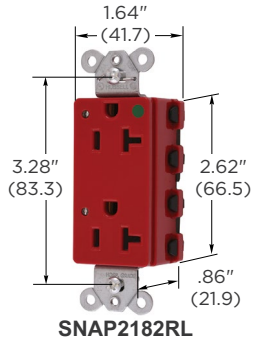
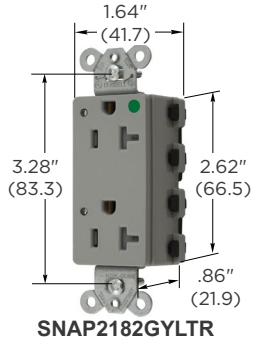


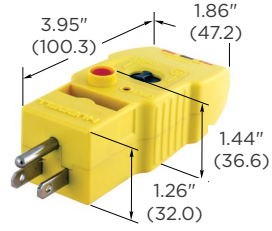
SNAP2182RL



SNAP2182GYLTR

SNAPConnect Tester

Description	Catalog Number
Circuit Tester for SNAPConnect receptacle terminals, GFCI and standard receptacles.	SNAPCTG



SNAPCTG

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY

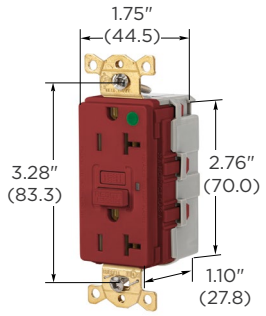
Fed. Spec. Meets UL Standard 943 Class A GFCI

SNAPConnect GFCI LED Hospital Grade ● Receptacles

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI LED, self-grounding staple, requires connector below, sold separately.	Black Brown Gray Ivory Light Almond Red White	SNAPGF82BLK SNAPGF82 SNAPGF82GRY SNAPGF82I SNAPGF82LA SNAPGF82R SNAPGF82W	SNAPGF83BLK SNAPGF83 SNAPGF83GRY SNAPGF83I SNAPGF83LA SNAPGF83R SNAPGF83W

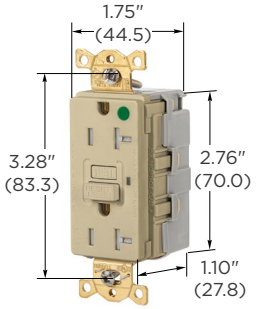


SNAPGF83R

SNAPConnect GFCI LED Hospital Grade ● Tamper and Weather Resistant

Description	Color	Catalog Number	
Hospital Grade SNAPConnect GFCI TR/WR, self-grounding staple, requires connector below, sold separately.	Black Brown Gray Ivory Light Almond Red White	SNAPGFTW82BLK SNAPGFTW82 SNAPGFTW82GRY SNAPGFTW82I SNAPGFTW82LA SNAPGFTW82R SNAPGFTW82W	SNAPGFTW83BLK SNAPGFTW83 SNAPGFTW83GRY SNAPGFTW83I SNAPGFTW83LA SNAPGFTW83R SNAPGFTW83W

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.
See page Tech-10 for Tamper-Resistant description.



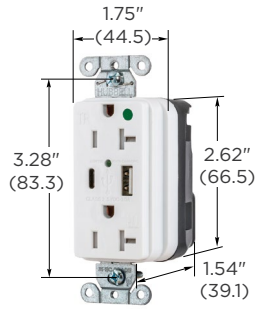
SNAPGFTW83I

SNAPConnect USB Charger Hospital Grade ● TR Receptacles

15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

Description	Color	Catalog Number	
Hospital Grade SNAPConnect USB Charger, tamper-resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output.	Black Brown Gray Ivory Light Almond Red White	SNAP8200UACBK SNAP8200UAC SNAP8200UACGY SNAP8200UACI SNAP8200UACLA SNAP8200UACR SNAP8200UACW	SNAP8300UACBK SNAP8300UAC SNAP8300UACGY SNAP8300UACI SNAP8300UACLA SNAP8300UACR SNAP8300UACW
Hospital Grade SNAPConnect USB Charger, Tamper-Resistant Style Line decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with two type-C USB portst, 3 Amp up to 9 Volt USB output.	Black Brown Gray Ivory Light Almond Red White	SNAP8200UCBK SNAP8200UC SNAP8200UCGY SNAP8200UCI SNAP8200UCLA SNAP8200UCR SNAP8200UCW	SNAP8300UCBK SNAP8300UC SNAP8300UCGY SNAP8300UCI SNAP8300UCLA SNAP8300UCR SNAP8300UCW



SNAP8300UACW

SNAPConnect Surge Protection Hospital Grade ● Tamper-Resistant Receptacle with Power Indicating LED

15A 125V NEMA 5-15R UL CSA 0.5 HP

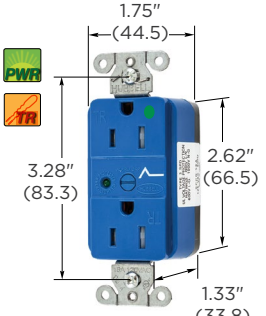
20A 125V NEMA 5-20R UL CSA 1 HP

Description	Color	Catalog Number	
Hospital Grade SNAPConnect surge supression, tamper-resistant, smooth face, duplex receptacle.	Blue Gray Ivory Light Almond Red White	SNAP8262S SNAP8262GYS SNAP8262IS SNAP8262LAS SNAP8262RS SNAP8262WS	SNAP8362S SNAP8362GYS SNAP8362IS SNAP8362LAS SNAP8362RS SNAP8362WS

SNAPConnect Right Angle Pigtailed Connector

Description	Wire Type	Catalog Number
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; polycarbonate housing material with WAGO terminals.	Solid Stranded	SNAP1RNAM2 SNAP2RNAM2

Note: See page Tech-10 for Tamper-Resistant, Weather Resistant and LED Power Indicators descriptions.



SNAP8262S

Dimensions in Inches (mm)

EdgeConnect HBL Extra Heavy Duty Max Hospital Grade Receptacles

Duplex	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Hospital Grade, Finder Groove Face, Spring Termination.	Black	HBL8200STBK	HBL8300STBK
	Blue	HBL8200STBL	HBL8300STBL
	Brown	HBL8200ST	HBL8300ST
	Gray	HBL8200STGY	HBL8300STGY
	Green	HBL8200STGN	HBL8300STGN
	Ivory	HBL8200STI	HBL8300STI
	Light Almond	HBL8200STLA	HBL8300STLA
	Orange	HBL8200STO	HBL8300STO
	Red	HBL8200STR	HBL8300STR
	White	HBL8200STW	HBL8300STW
EdgeConnect Style Line® Decorator			
Hospital Grade, Style Line decorator, Spring Termination.	Black	HBL2172STBK	HBL2182STBK
	Blue	HBL2172STBL	HBL2182STBL
	Brown	HBL2172ST	HBL2182ST
	Gray	HBL2172STGY	HBL2182STGY
	Green	HBL2172STGN	HBL2182STGN
	Ivory	HBL2172STI	HBL2182STI
	Light Almond	HBL2172STLA	HBL2182STLA
	Orange	HBL2172STO	HBL2182STO
	Red	HBL2172STR	HBL2182STR
	White	HBL2172STW	HBL2182STW
Hospital Grade, Tamper-Resistant, Style Line decorator, Spring Termination.	Black	HBL2172STBKTR	HBL2182STBKTR
	Blue	HBL2172STBLTR	HBL2182STBLTR
	Brown	HBL2172STTR	HBL2182STTR
	Gray	HBL2172STGYTR	HBL2182STGYTR
	Green	HBL2172STGNTR	HBL2182STGNTR
	Ivory	HBL2172STITR	HBL2182STITR
	Light Almond	HBL2172STLATR	HBL2182STLATR
	Orange	HBL2172STOTR	HBL2182STOTR
	Red	HBL2172STRTR	HBL2182STRTR
	White	HBL2172STWTR	HBL2182STWTR

EdgeConnect Hubbell-PRO Extra Heavy Duty Hospital Grade Receptacles

Duplex	Color	Catalog Number	
Hospital Grade, Smooth Face, Spring Termination.	Black	8200STBK	8300STBK
	Blue	8200STBL	8300STBL
	Brown	8200ST	8300ST
	Gray	8200STGY	8300STGY
	Green	8200STGN	8300STGN
	Ivory	8200STI	8300STI
	Light Almond	8200STLA	8300STLA
	Orange	8200STO	8300STO
	Red	8200STR	8300STR
	White	8200STW	8300STW
Hospital Grade, Tamper-Resistant, Smooth Face, Spring Termination.	Black	8200STBKTR	8300STBKTR
	Blue	8200STBLTR	8300STBLTR
	Brown	8200STTR	8300STTR
	Gray	8200STGYTR	8300STGYTR
	Green	8200STGNTR	8300STGNTR
	Ivory	8200STITR	8300STITR
	Light Almond	8200STLATR	8300STLATR
	Orange	8200STOTR	8300STOTR
	Red	8200STRTR	8300STRTR
	White	8200STWTR	8300STWTR

Fed. Spec.


HBL8200STBK


HBL2182STGY


HBL2172STOTR


HBL2182STRTR


8200STGY


8300STTR

Dimensions in Inches (mm)

Features and Benefits

Hubbell-PRO Extra Heavy Duty Receptacles

- Nylon face and base construction
- Triple-wipe power contacts
- Circuit ID marking area
- Combination Tamper-Resistant and LED for pediatric emergency circuits
- Galvanized steel mounting strap
- Automatic self-grounding staple
- Back and side wiring

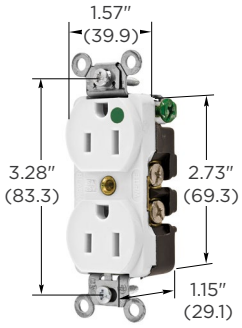


8200REDLTRA

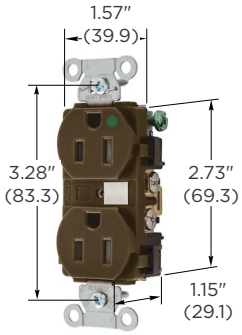
Hubbell-PRO Extra Heavy Duty Hospital Grade ● Receptacles

Duplex	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Hospital grade, smooth nylon face, back and side wired.	Black Brown Gray Ivory Light Almond Red White	8200BK 8200 8200GY 8200IV 8200LA 8200RED 8200WHI	8300BK 8300 8300GY 8300IV 8300LA 8300RED 8300WHI
Hospital grade, Tamper-Resistant, smooth nylon face, back and side wired.	Black Brown Gray Ivory Light Almond Red White	8200BKTRA 8200TRA 8200GYTRA 8200IVTRA 8200LATRA 8200REDTRA 8200WTRA	8300BKTRA 8300TRA 8300GYTRA 8300IVTRA 8300LATRA 8300REDTRA 8300WTRA
Hospital grade, with Power Indicating LED, smooth nylon face, back and side wired.	Black Brown Gray Ivory Light Almond Red White	8200BKL 8200L 8200GYL 8200IVL 8200LAL 8200REDL 8200WL	8300BKL 8300L 8300GYL 8300IVL 8300LALM 8300REDL 8300WL
Hospital grade, Tamper-Resistant, with Power Indicating LED, smooth nylon face, back and side wired.	Black Brown Gray Ivory Light Almond Red White	8200BKLTRA 8200LTRA 8200GYLTRA 8200IVLTRA 8200LALTRA 8200REDLTRA 8200WLTRA	8300BKLTRA 8300LTRA 8300GYLTRA 8300IVLTRA 8300LALTRA 8300REDLTRA 8300WLTRA

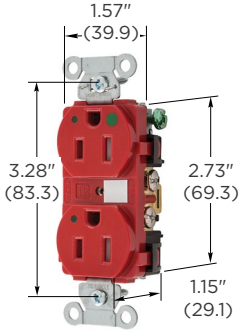
Note: See pages B-53 and B-54 for accessories.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See section P for wallplates.



8200WHI



8200TRA



8200REDLTRA

Dimensions in Inches (mm)

Features and Benefits

Fed. Spec.

Hubbell-PRO Extra Heavy Duty Style Line® Decorator Receptacles

- Nylon face and base construction
- Triple-wipe power contacts
- Circuit ID marking area
- Combination Tamper-Resistant and LED for pediatric emergency circuits
- Galvanized steel mounting strap
- Automatic self-grounding staple
- Back and side wiring

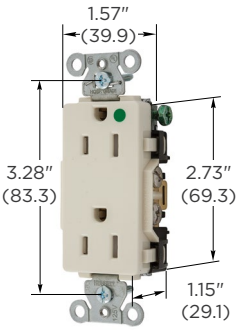


2182IVLTRA

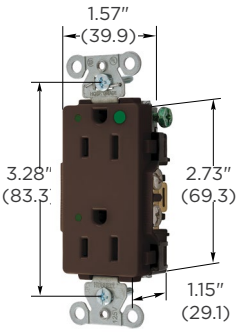
Hubbell-PRO Extra Heavy Duty
Hospital Grade ● Style Line Decorator Receptacles

Style Line Decorator	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Hospital Grade, Style Line decorator,flush, nylon face, back and side wired.	Black Brown Gray Ivory Light Almond Red White	**2172BK** **2172** **2172GY** **2172IV** **2172LA** **2172RED** **2172W**	**2182BK** **2182** **2182GY** **2182IV** **2182LA** **2182RED** **2182W**
Hospital Grade, Tamper-Resistant, Style Line decorator, flush, nylon face, back and side wired.	Black Brown Gray Ivory Light Almond Red White	**2172BKTRA** **2172TRA** **2172GYTRA** **2172IVTRA** **2172LATRA** **2172REDTRA** **2172WTRA**	**2182BKTRA** **2182TRA** **2182GYTRA** **2182IVTRA** **2182LATRA** **2182REDTRA** **2182WTRA**
Hospital Grade, with Power Indicating LED, Style Line decorator, flush, nylon face, back and side wired.	Black Brown Gray Ivory Light Almond Red White	**2172BKL** **2172L** **2172GYL** **2172IVL** **2172LAL** **2172REDL** **2172WL**	**2182BKL** **2182L** **2182GYL** **2182IVL** **2182LAL** **2182REDL** **2182WL**
Hospital Grade, Tamper-Resistant, with Power Indicating LED, Style Line decorator, flush, nylon face, back and side wired.	Black Brown Gray Ivory Light Almond Red White	**2172BKLTRA** **2172LTRA** **2172GYLTRA** **2172IVLTRA** **2172LALTRA** **2172REDLTRA** **2172WLTRA**	**2182BKLTRA** **2182LTRA** **2182GYLTRA** **2182IVLTRA** **2182LALTRA** **2182REDLTRA** **2182WLTRA**

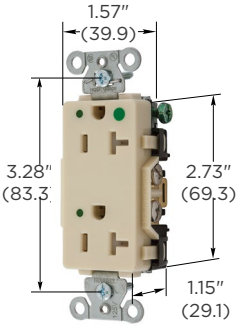
Note: See pages B-53 and B-54 for accessories.
See page Tech-10 for Tamper-Resistant and LED Power Indicators description.
See section P for wallplates.



2172LATRA



2172L



2182IVLTRA

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

Hospital Grade ● USB-C Power Delivery Charger Type C and Type A&C

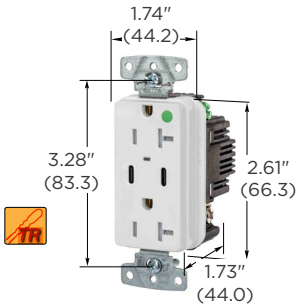
15A 125V NEMA 5-15R UL CSA 0.5 HP

20A 125V NEMA 5-20R UL CSA 1 HP

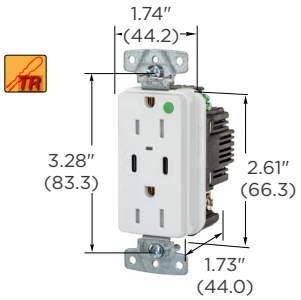
c UL us

Description	Color	Catalog Number	
Hospital Grade USB-C Power Delivery Charger Receptacle, two Type-C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB Type-C convenience port with up to 1.5 Amp, 5 Volt output, USB ports rated 10,000 cycles.	Black Brown Gray Ivory Light Almond Red White	**USB8200CPDBK** **USB8200CPD** **USB8200CPDGY** **USB8200CPDI** **USB8200CPDLA** **USB8200CPDR** **USB8200CPDW**	**USB8300CPDBK** **USB8300CPD** **USB8300CPDGY** **USB8300CPDI** **USB8300CPDLA** **USB8300CPDR** **USB8300CPDW**
Hospital Grade USB-C Power Delivery Charger Receptacle, one Type A and one Type C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB Type-A convenience port with up to 1.5 Amp, 5 Volt output, USB ports rated 10,000 cycles.	Black Brown Gray Ivory Light Almond Red White	**USB8200ACPDBK** **USB8200ACPD** **USB8200ACPDGY** **USB8200ACPDI** **USB8200ACPDLA** **USB8200ACPDR** **USB8200ACPDW**	**USB8300ACPDBK** **USB8300ACPD** **USB8300ACPDGY** **USB8300ACPDI** **USB8300ACPDLA** **USB8300ACPDR** **USB8300ACPDW**

Note: See page B-8 for additional information on USB charger devices.



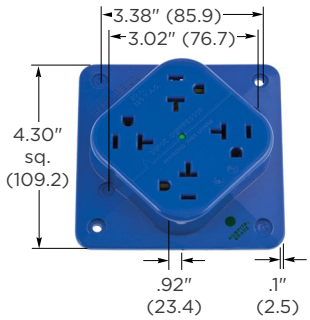
USB8300CPDW



USB8200CPDW

4-PLEX Hospital Grade ● Receptacles

Description	Color	Catalog Number	
4 outlet high impact resistant polycarbonate construction. Mount to 4 in. square box.	Brown Gray Ivory Red White	**HBL415H** — **HBL415HI** **HBL415HR** **HBL415HW**	**HBL420H** **HBL420HGY** **HBL420HI** **HBL420HR** **HBL420HW**
4-PLEX surge protection receptacles with lights, 80 joules, 6.5kA peak current.	Blue Ivory Red	— — —	**HBL420HS** **HBL420HIS** **HBL420HRS**

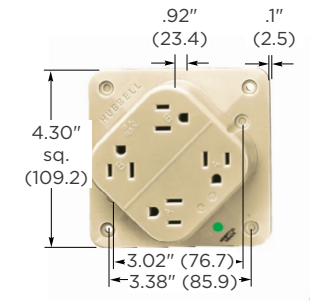


HBL420HS

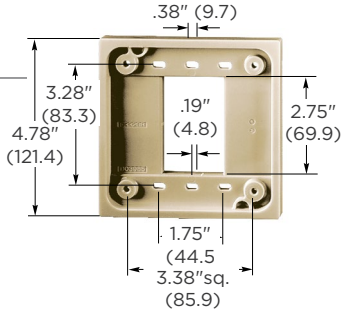
4-PLEX Accessories

Description	Color	Catalog Number
4-PLEX adapter plates for 1 - and 2-gang device boxes.	Blue Brown Gray Ivory Orange Red White	**HBL4APBL** **HBL4AP** **HBL4APGY** **HBL4API** **HBL4APO** **HBL4APR** **HBL4APW**
4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	Black Brown Ivory	**HBL4PBBK** **HBL4PB** **HBL4PBI**

Note: 4-PLEX Box is not UL Listed or CSA Certified. UL listing does not apply when 4-PLEX Receptacle is used with 4-PLEX Box in extension cord application. Supplied with one cord clamp.



HBL415HI



HBL4API

Dimensions in Inches (mm)

15 and 20 Ampere, 125 Volts

IP20 SUITABILITY

Fed. Spec.

Hospital Grade Plugs



15A 125V
NEMA 5-15P
UL CSA



20A 125V
NEMA 5-20P
UL CSA

Insulgrip®

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230″-.720″ (5.8-18.3)	HBL8215CST	HBL8315CST
Transparent housing.	.230″-.720″ (5.8-18.3)	HBL8215CTST	HBL8315CTST
8 position angle plug, transparent housing.	.250″-.655″ (6.4-16.6)	HBL8215CAT*	HBL8315CAT*

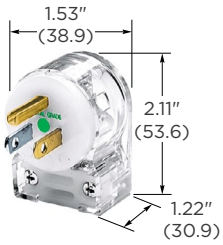
Valise®

Description	Cord Diameter	Catalog Number	
White nylon.	.300″-.660″ (7.6-16.8)	HBL8115V	HBL8364V
Insulation displacement, white nylon.	.300″-.360″ (7.6-9.1)	HBL8013V*	—

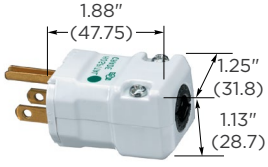
*Note: *Not Fed. Spec. Listed. See page B-54 for accessories.*



HBL8215CST



HBL8215CAT



HBL8115V

Hospital Grade Connector Bodies



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Insulgrip

Description	Cord Diameter	Catalog Number	
Black and white nylon.	.230″-.720″ (5.8-18.3)	HBL8219CST	HBL8319CST
Transparent housing.	.230″-.720″ (5.8-18.3)	HBL8219CTST	HBL8319CTST

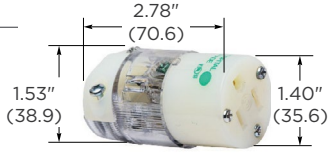
Valise

Description	Cord Diameter	Catalog Number	
White nylon.	.300″-.660″ (7.6-16.8)	HBL8119V	—

Note: See page B-54 for accessories.



HBL8219CST



HBL8219CTST

Hospital Grade Plugs



15A 250V
NEMA 6-15P
UL CSA
1.5 HP



20A 250V
NEMA 6-20P
UL CSA
2 HP

Description	Cord Diameter	Catalog Number	
Valise plug, white nylon.	.300″-.660″ (7.6-16.8)	HBL8666V	HBL8464V

Note: HP ratings listed above are based on 208 to 240V AC only.



HBL8119V

Hospital Grade Connector Bodies

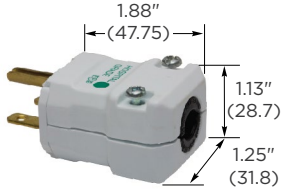


15A 250V
NEMA 6-15R
UL CSA
1.5 HP



20A 250V
NEMA 6-20R
UL CSA
2 HP

Description	Cord Diameter	Catalog Number	
White nylon.	.300″-.660″ (7.6-16.8)	—	HBL8469V



HBL8666V

Dimensions in Inches (mm)

Features and Benefits

Fed. Spec.
Meets UL Standard 943 Class A GFCI

Extra Heavy Duty Hospital Grade ● GFCI Receptacles Tamper-Resistant and Weather Resistant

- Corrosion resistant construction includes nickel plated brass mounting strap, line/load terminals, face contacts, internal contacts and wiring terminal clamps; stainless steel terminal and mounting screws
- Selective double layer conformal coating of printed circuit board, critical components and connections
- Superior materials including polyester "V0" thermoplastic housing (UV Resistant); 7025 high thermal conductivity copper alloy contacts
- Dust Test (UL 943) compliant; resistance to contaminants, moisture and dust
- Single LED: power solid green, GF/trip solid red, end of life flashing red
- Back and side wiring



GFSG8200GRY

AUTOGUARD® Self Test Hospital Grade ● Tamper and Weather Resistant GFCI Receptacles

15A 125V NEMA 5-15R
UL CSA
0.5 HP

20A 125V NEMA 5-20R
UL CSA
1 HP

Description	Rating	Color	Catalog Number	
Hospital Grade Extra Heavy Duty Industrial Ground Fault Receptacle Feed Through,Tamper and Weather Resistant.	15 and 20A 125V AC	Black Brown Gray Ivory Red White	**GFSG8200BLK** **GFSG8200** **GFSG8200GRY** **GFSG8200I** **GFSG8200R** **GFSG8200W**	**GFSG8300BLK** **GFSG8300** **GFSG8300GRY** **GFSG8300I** **GFSG8300R** **GFSG8300W**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles listed above are furnished with both a matching color thermoplastic wallplate, and a SS26 302/304 super stainless steel wallplate. 20 amp feed-through capability.
See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.



GFSG8300W

GFCI Receptacle Specifications per GFCI Products Listed (Pages N-13 to N-16)

Trip Level	4 to 6 mA
Trip Time	.025 second nominal
Frequency	60 Hz
Voltage	120V AC +10% - 15% (102V to 132V)
Amperage	15A/20A, 20A Feed-Thru
Maximum Interrupting Capacity	10,000A
Operating Temperature	-35°C to 66°C or -30°F to 150°F
Maximum Humidity	95%
Dust Resistant	Meets UL 943, section 6.20 for resistance to dust contaminants
Corrosion Resistant	Meets UL 943, section 6.21 for resistance to corrosion
FCC Part 15 Class B	Certified conformance to radiated and conducted emission testing per FCC
Immunity to noise Exceed	UL 943 of .5V over a frequency range of 150kHz to 230MHz disturbances
Listings and Standards	Meets UL498 for receptacles, UL943 Class A for GFCIs UL File E41978 CSA Certified
Codes	Meets all NEC® and CEC requirements. NEMA WD-6 ANSI 73

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Commercial GFCI Receptacles

Features and Benefits

Commercial Tamper-Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Compliant with NEC® 406.12 and NEC 517-18(c)
- Patented AUTOGUARD® self test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Alarm version provides audible notification of a trip condition

Meets UL Standard 943 Class A GFCI



GFTR83B

Hospital Grade
Tamper-Resistant GFCI Receptacles

15A 125V
NEMA 5-15R
UL CSA
0.5 HP

20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Rating	Color	Catalog Number	
Nigh Light, two LED night lights, flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	GFTR82BKNL GFTR82NL GFTR82GYNL GFTR82INL GFTR82LANL GFTR82RNL GFTR82WNL	GFTR83BKNL GFTR83NL GFTR83GYNL GFTR83INL GFTR83LANL GFTR83RNL GFTR83WNL
Alarm, flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	GFTR82BKB GFTR82B GFTR82GYB GFTR82IB GFTR82LAB GFTR82RB GFTR82WB	GFTR83BKB GFTR83B GFTR83GYB GFTR83IB GFTR83LAB GFTR83RB GFTR83WB

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption.
All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.
See page Tech-10 for Tamper-Resistant description.



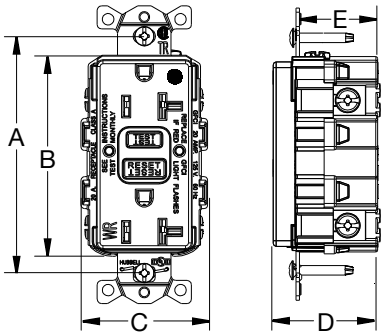
GFTR83WNL



GFTR83GYB

Product Dimensions

	GFCI Receptacle
A	3.27 (83.1)
B	2.75 (69.8)
C	1.75 (44.5)
D	1.47 (37.4)
E	1.10 (27.9)



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Features and Benefits

Fed. Spec.
Meets UL Standard 943
Class A GFCI

Commercial Tamper and Weather Resistant GFCI Receptacles

- Patented shutter design for tamper-resistant protection
- Meets NEC® requirements for TR (517-18c) and WR (406.9), UV and corrosion resistance for harsh and damp applications
- Patented AUTOGUARD® self test technology
- Protects against line and load reversal, no power to the face or downstream if device is miswired

Hospital Grade ● Tamper-Resistant and Weather Resistant GFCI Receptacles

Description	Rating	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Standard, flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	**GFRTW82BLK** **GFRTW82** **GFRTW82GRY** **GFRTW82I** **GFRTW82LA** **GFRTW82R** **GFRTW82W**	**GFRTW83BLK** **GFRTW83** **GFRTW83GRY** **GFRTW83I** **GFRTW83LA** **GFRTW83R** **GFRTW83W**
Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	**GFTWRST82BKU** **GFTWRST82U** **GFTWRST82GYU** **GFTWRST82IU** **GFTWRST82LAU** **GFTWRST82RU** **GFTWRST82WU**	**GFTWRST83BKU** **GFTWRST83U** **GFTWRST83GYU** **GFTWRST83IU** **GFTWRST83LAU** **GFTWRST83RU** **GFTWRST83WU**
Isolated Ground, flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Orange Red White	**GFTWRST82BKIG** **GFTWRST82IG** **GFTWRST82GYIG** **GFTWRST82IIG** **GFTWRST82LAIG** **GFTWRST82ORIG** **GFTWRST82RIG** **GFTWRST82WIG**	**GFTWRST83BKIG** **GFTWRST83IG** **GFTWRST83GYIG** **GFTWRST83IIG** **GFTWRST83LAIG** **GFTWRST83ORIG** **GFTWRST83RIG** **GFTWRST83WIG**
SNAPConnect®, flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	— — **SNAPGFTW82GRY** **SNAPGFTW82I** **SNAPGFTW82LA** **SNAPGFTW82R** **SNAPGFTW82W**	**SNAPGFTW83BLK** **SNAPGFTW83** **SNAPGFTW83GRY** **SNAPGFTW83I** **SNAPGFTW83LA** **SNAPGFTW83R** **SNAPGFTW83W**

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption. All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.
See page Tech-10 for Tamper-Resistant and Weather Resistant descriptions.

SNAPConnect Right Angle Pigtailed Connector

Description	Wire Type	General Use
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; polycarbonate housing material.	Solid Stranded	**SNAP1RNA** **SNAP2RNA**
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; polycarbonate housing material with WAGO terminals.	Solid Stranded	**SNAP1RNAM2** **SNAP2RNAM2**

Note: For Assembled in USA products, must order connector with NA suffix.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



GFTWRST83WIG


GFRTW83BLK


GFTWRST82BKIG


SNAPGFTW83I


SNAP1RNA

Dimensions in Inches (mm)

Features and Benefits

Meets UL Standard 943 Class A GFCI

Commercial Standard Hospital Grade ● GFCI Receptacles

- Fed. Spec UL Listed, Hospital Grade
- Green power indicator and red trip indicator
- Patented AUTOGUARD® self test technology
- Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple



GFRST82WNL

Hospital Grade ● GFCI Receptacles

Description	Rating	Color	15A 125V NEMA 5-15R UL CSA 0.5 HP	20A 125V NEMA 5-20R UL CSA 1 HP
Standard, flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	**GFR82BLK** **GFR82** **GFR82GRY** **GFR82I** **GFR82LA** **GFR82R** **GFR82W**	**GFR83BLK** **GFR83** **GFR83GRY** **GFR83I** **GFR83LA** **GFR83R** **GFR83W**
Flush, nylon face, back and side wired, multiple drive screws, self-grounding staple. Assembled in U.S.A.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	**GFR82BKU** **GFR82U** **GFR82GYU** **GFR82IU** **GFR82LAU** **GFR82RU** **GFR82WU**	**GFR83BKU** **GFR83U** **GFR83GYU** **GFR83IU** **GFR83LAU** **GFR83RU** **GFR83WU**
Night Light two LED night lights, flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	**GFR82BKNL** **GFR82NL** **GFR82GYNL** **GFR82INL** **GFR82LANL** **GFR82RNL** **GFR82WNL**	**GFR83BKNL** **GFR83NL** **GFR83GYNL** **GFR83INL** **GFR83LANL** **GFR83RNL** **GFR83WNL**
Alarm, flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	**GFR82BKB** **GFR82B** **GFR82GYB** **GFR82IB** **GFR82LAB** **GFR82RB** **GFR82WB**	**GFR83BKB** **GFR83B** **GFR83GYB** **GFR83IB** **GFR83LAB** **GFR83RB** **GFR83WB**
SNAPConnect®, flush, nylon face, back and side wired, multiple drive screws, self-grounding staple.	15 and 20A 125V AC	Black Brown Gray Ivory Light Almond Red White	— — — **SNAPGF82I** **SNAPGF82LA** **SNAPGF82R** **SNAPGF82W**	**SNAPGF83BLK** **SNAPGF83** **SNAPGF83GRY** **SNAPGF83I** **SNAPGF83LA** **SNAPGF83R** **SNAPGF83W**



GFR83R



GFR83INL



GFR83BKB



SNAPGF83GRY

Note: GFCI type receptacles should not be used in critical care patient areas or for electrical life support equipment applications because of the possibility of power interruption.
All GFCI receptacles are furnished with a matching color thermoplastic wallplate, 20 amp feed-through capability.
Requires pigtailed connector see page N-15.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Hospital Grade ● Circuit Guard® Receptacles



15A 125V
NEMA 5-15R
UL CSA
0.5 HP



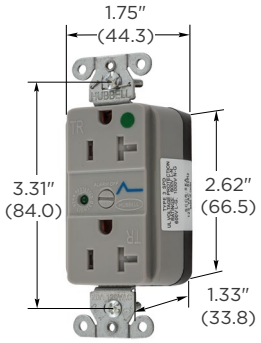
20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
SNAPConnect® Tamper-Resistant, surge supression duplex receptacle, smooth face, 240 joules, 15000A peak current. Requires pigtailed connector on page N-15, sold separately.	Blue Gray Ivory Light Almond Red White	SNAP8262S SNAP8262GYS SNAP8262IS SNAP8262LAS SNAP8262RS SNAP8262WS	SNAP8362S SNAP8362GYS SNAP8362IS SNAP8362LAS SNAP8362RS SNAP8362WS
Surge suppression receptacles with light and alarm, 240 joules, 15000A peak current.	Blue Gray Ivory Red White	HBL8262SA HBL8262GYSA HBL8262ISA HBL8262RSA HBL8262WSA	HBL8362SA HBL8362GYSA HBL8362ISA HBL8362RSA HBL8362WSA
Isolated ground, surge suppression receptacles with light and alarm, 240 joules, 15000A peak current.	Blue Gray Ivory Orange Red White	IG8262SA IG8262GYSA IG8262ISA IG8262OSA IG8262RSA IG8262WSA	IG8362SA IG8362GYSA IG8362ISA IG8362OSA IG8362RSA IG8362WSA
4-PLEX® surge suppression receptacles with lights, 80 joules, 6500A peak current.	Blue Ivory Red	— — —	HBL420HS HBL420HIS HBL420HRS

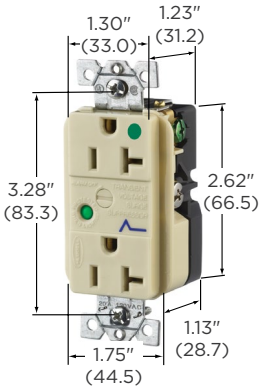
Note: See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.







SNAP8362GYS

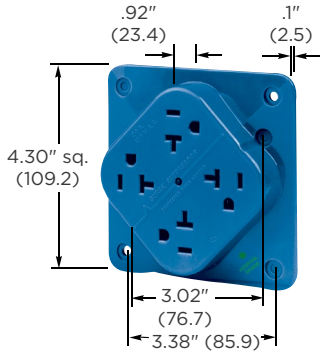


HBL8362ISA

4-PLEX Accessories

Description	Color	Catalog Number
4-PLEX Adapter Plates for 1- and 2-gang, and 4 in. (101.6) square device boxes.	Blue Ivory Red	HBL4APBL HBL4API HBL4APR
4-PLEX Portable Box, 4 in. (101.6) square box with cord grip. Accepts up to .66 in. (16.8) diameter cord.	Ivory	HBL4PBI

Note: 4-PLEX Box is not UL Listed.



HBL420HS

UL2930 Listed

UL2930 Health Care Outlet Assembly (HCOA)

Description	# of Outlets	Cord Length	Color	15 Amp	20 Amp
UL 2930 HCOA with L-N surge protection.	6	6′	White	HBL6MG6	HBL6MG620
	6	15′	White	HBL6MG15	HBL6MG1520
UL 2930 HCOA, Relocatable Power Tap (RPT).	6	6′	White	HBL6MGRPT6	HBL6MGRPT620
	6	15′	White	HBL6MGRPT15	HBL6MGRPT1520



HBL6MGRPT620

Listed to UL1449

SpikeShield® Surge Protective Devices (SPD) with Tamper-Resistant Receptacles and Heavy Duty Plug

Description	# of Outlets	Cord Length	Color	15 Amp	20 Amp
Type 3 SPD, Heavy Duty metal housing.	6	6′	White	HBL6HG6	HBL6HG620
	6	15′	White	HBL6HG15	HBL6HG1520
UL Type 3 SPD, Heavy Duty metal housing with 2-port USB.	4	6′	White	HBL6HGUSB6	—



HBL6HGUSB6

Dimensions in Inches (mm)

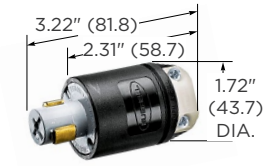
For Hospital Use Only

Hubbellock Plugs and Connector Bodies

20A 125V AC | 20A 125V AC

Description	Plugs	Connector Bodies
Nylon cover, thermoset interior.	**HBL23014HGB**	**HBL23001HGB**
Armored, epoxy filled, rubber cord grip.	**HBL23004HG**	—

Note: Cord clamp range for plug and connector .300" to .660" (7.6 to 16.8).



HBL23014HGB

Receptacles

Description	Catalog Number	
Black, back wired.	—	**HBL23000HG**

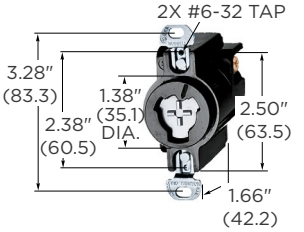


HBL23001HGB

Wallplates

Description	Catalog Number
Stainless steel 302/304, single-gang.	**HBL23901HG**
Stainless steel 302/304, three-gang for two receptacles.	**HBL23909HG**

Note: Suffix HG or HGB type for hospital use only.

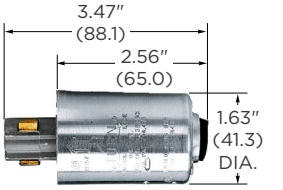


HBL23000HG

Explosion Proof Plug

20A 125V AC | IP20 SUITABILITY

Description	Catalog Number
Plug, with, epoxy kit, accepts #12 or #14 type SO cable.	**HBL24312**



HBL24312

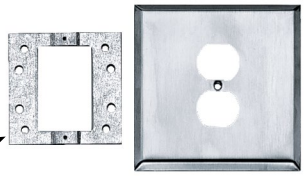
Hazardous to Non-hazardous Location Receptacle Conversion Kits

Conversion kits for replacement of explosion proof receptacles listed above, with non-explosion proof receptacles, in the hospital areas formerly classified as hazardous locations and now classified non-hazardous locations due to the change from flammable anesthetizing gases to nonflammable anesthetizing gases.

For Conversion To:	Catalog Number
20A, 125V, duplex receptacle (Hubbell HBL8300 series). Includes adapter ring and stainless steel wall plate for duplex receptacle (receptacle not included).	**HBL24300RKD**
20A, 125V, Hospital Hubbellock receptacle (Hubbell HBL23000HG) or 20A, 125V, straight blade single receptacle (Hubbell HBL8310 series). Includes adapter ring and stainless wall plate for single receptacle (receptacle not included.	**HBL24300RKS**



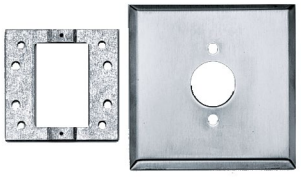
24352 Low-profile style explosion-proof receptacle (now discontinued).



HBL24300RKD Retrofit kit for duplex receptacles



HBL24300RKD Duplexe trorfit kit accepts 20A duplex straight blade hospital g receptacles (HBL8300, HBL8300I, IG8300, etc.). Order receptacles separately.



HBL24300RKS Retrofit kit for single receptacles



HBL24300RKS Singlee trorfit accepts hospitalHubbellock sinegcleep tracles (Hubbell HBL230 or 20A single straight blade hosepcietpatla cglre (Hubbell HBL8310, HBL8310I, IG8310, etc.). Order receptacles separately.

Dimensions in Inches (mm)

IP20 SUITABILITY

Mobile X-Ray Plugs



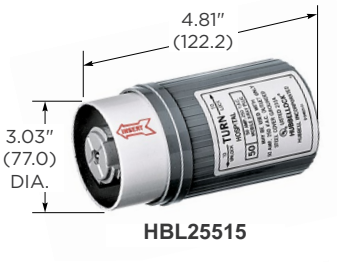
50A 250V AC



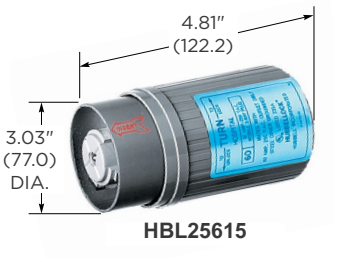
60A 250V AC

Description	Catalog Number	
Plug, with epoxy kit, less cord clamp.	HBL25515	HBL25615
Plug, with cord clamp, less epoxy kit.	HBL25525	HBL25625

Note: Cord clamp range of plugs with cord clamps .830" to 1.3" (21.1 to 33.0). 50A plugs fit 50A or 60A receptacles.



HBL25515



HBL25615

Mobile X-Ray Receptacles

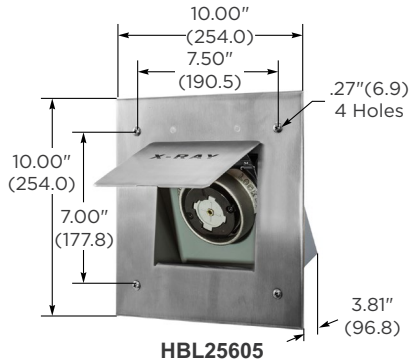


50A 250V AC



60A 250V AC

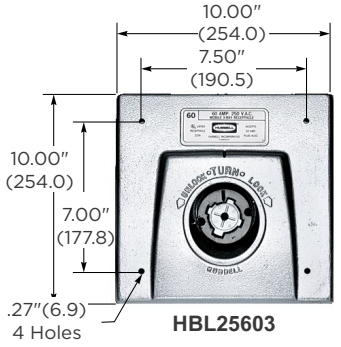
Description	Catalog Number	
Receptacle with stainless steel plate assembly.	HBL25505	HBL25605
Receptacle with cast aluminum plate assembly.	HBL25503	HBL25603
Replacement receptacle interior.	—	IN16494



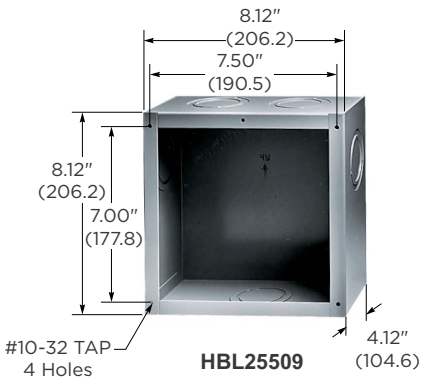
HBL25605

Accessory

Description	Catalog Number
Box stamped steel 8" x 8" x 4" (203.2 x 203.2 x 101.6), accommodates 50A and 60A mobile X-ray receptacles. Knockout sizes 1-1/4", 1-1/2" and 2".	HBL25509



HBL25603



HBL25509

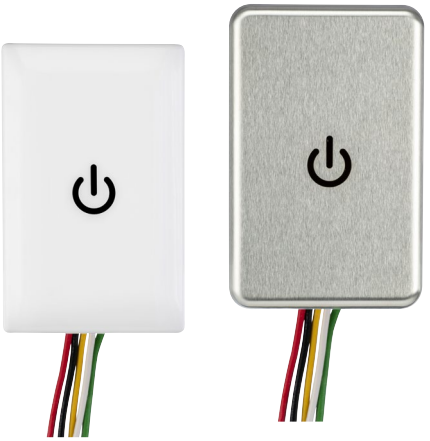
Dimensions in Inches (mm)

ScrubSwitch™ Proximity Tap Sealed Switches

Features and Benefits

Sealed ScrubSwitch devices are the first switches designed to withstand the rigors of medical cleaning solutions and elevated sanitizing schedules for high touch surfaces. Proximity sensing technology allows a simple tap on or off, like a phone. However, skin contact isn't required, so it works with a latex gloved hand, or an elbow in a shirt sleeve. Helps reduce the transmission of viruses and bacteria.

- 100% sealed against liquids, 3R rated
- Installs in a standard electrical box
- 8A, 120/277Vac, Single pole and 3-way capable
- Tested for aggressive cleaning with: Bleach, Hydrogen peroxide, Alcohol/Quat, Phenols



1-Gang and 2-Gang ScrubSwitch Proximity Tap Sealed Switches

Description		Catalog Number
Proximity tap switch, single gang.	With stainless steel plate with ABS antimicrobial plastic plate, white base module only, plate sold separately.	**WSS1277SS WSS1277PW WSS1277**
Proximity tap switch, 2 gang.	With ABS antimicrobial plastic plate, white.	**WSS2277PW**

Note: All units can be used as SP, 3 & 4-way, additional ScrubSwitch devices need to be used. Do not use a mechanical switch.



WSS1277PW

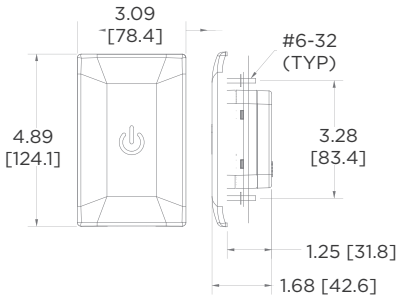
1-Gang and 2-Gang ScrubSwitch Covers

Description		Catalog Number
Cover plate, single gang.	Stainless steel plate ABS antimicrobial plastic plate, white.	**WSS1SS WSS1PW**
Cover plate, 2 gang.	ABS antimicrobial plastic plate, white.	**WSS2PW**

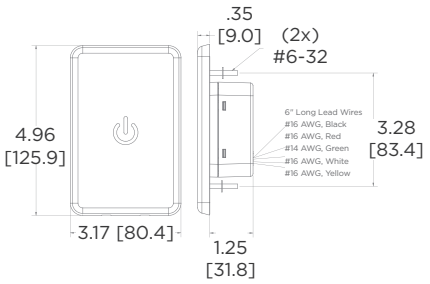
Note: Cover plates available in red; consult factory.



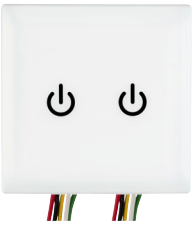
WSS1277SS



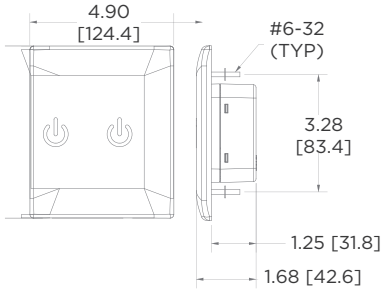
WSS1277PW—White ABS plastic plate



WSS1277SS—Stainless steel plate



WSS2277PW



WSS2277PW—White ABS plastic plate

Dimensions in Inches (mm)

Healthcare Outlet Assemblies (HCOAs)

Hubbell's healthcare outlet assemblies (HCOAs) are the ONLY UL Listed power strips approved by CMS for use in patient and critical care areas of a healthcare facility. They include line to neutral surge protection. Non-surge protected relocatable power tap (RPT) models are also available.

- UL2930 Listed
- Tamper-resistant flip covers
- Includes equipment grounding terminal

UL2930 Listed

UL2930 Healthcare (6) Outlet Assembly (HCOA)

Description	# of Outlets	Joule Rating	Cord Length	Color	15 Amp	20 Amp
UL2930 HCOA with L-N Surge Protection.	6	550	6 Ft.	White	**HBL6MG6**	**HBL6MG620**
	6	550	15 Ft.	White	**HBL6MG15**	**HBL6MG1520**
UL2930 HCOA Relocatable Power Tap (RPT).	6	N/A	6 Ft.	White	**HBL6MGRPT6**	**HBL6MGRPT620**
	6	N/A	15 Ft.	White	**HBL6MGRPT15**	**HBL6MGRPT1520**



HBL6MG6

UL2930 Healthcare (4) Outlet Assembly (HCOA)

Description	# of Outlets	Joule Rating	Cord Length	Color	15 Amp	20 Amp
UL2930 HCOA with L-N Surge Protection.	4	550	6 Ft.	White	**HBL4MG6**	**HBL4MG620**
	4	550	15 Ft.	White	**HBL4MG15**	**HBL4MG1520**
UL2930 HCOA Relocatable Power Tap (RPT).	4	N/A	6 Ft.	White	**HBL4MGRPT6**	**HBL4MGRPT620**
	4	N/A	15 Ft.	White	**HBL4MGRPT15**	**HBL4MGRPT1520**



HBL4MGRPT6

Hubbell HCOA Accessories

Description	Color	Catalog Number
HCOA mounting bracket allows strips to be easily mounted to IV poles or other like medical devices.	Black	**HBLHCOAMB**
HCOA replacement outlet cover.	White	**ROCMGS**



HBLHCOAMB



ROCMGS

Healthcare Outlet Assemblies (HCOAs)

SpikeShield® surge protective power strips and non-surge protected RPTs are cULus Listed to UL1449. They feature Hospital Grade tamper-resistant receptacles and durable heavy-duty metal housings. Choose a Hospital Grade plug or heavy-duty plug.

- UL2930 Listed
- 15A and 20A 125V versions
- 6 ft and 15 ft cord lengths

Listed to UL1449 and UL 1363

SpikeShield Surge Protective Devices (SPD) with Tamper-Resistant Receptacles and Heavy Duty Plug

Description	# of Outlets	Joule Rating	Cord Length	Color	Healthcare Industry	
					15 Amp	20 Amp
UL Type 3 SPD, Heavy Duty Metal Housing.	6	1100	6′	White	**HBL6HG6**	**HBL6HG620**
	6	1100	15′	White	**HBL6HG15**	**HBL6HG1520**
UL Type 3 SPD, Heavy Duty Metal Housing with 2-port USB.	4	1100	6′	White	**HBL6HGUSB6**	—
Relocatable power tap. Heavy Duty Metal Housing.	6		6′	White	**HBL6RPT6**	**HBL6RPT620**
	6		15′	White	**HBL6RPT15**	**HBL6RPT1520**



HBL6MPS

Dimensions in Inches (mm)

inREACH Medical Cord Reels

Cord reels with Hospital Grade plugs and receptacles provide safe, convenient, and reliable power in demanding medical applications. All-white construction complies with sanitary practices by making contamination more visible and easier to clean. Our plenum-rated enclosure is the first of its kind, allowing you to securely mount cord reels in drop ceilings while isolating it from the plenum space.

- Cast aluminum reel housing withstands corrosive environments
- Hospital Grade, tamper-resistant receptacles with illuminated LED to clearly indicate available power
- UL 2416 Listed plenum rated steel enclosure complies with NEC300.22



inREACH Medical Cord Reels

Description	Amps	Volts	Cable Length Feet (m)	Cable Type	Weight Lbs. (kg)	Catalog Number
White reel, white portable outlet box, GFCI module, and (2) 20A hospital grade receptacles.	20A	125V AC	45 (13.7)	12/3 SJO	34.9 (15.8)	**HBLIWC45123GF220HG**
White reel, white portable outlet box, and (2) 20A hospital grade receptacles.	20A	125V AC	45 (13.7)	12/3 SJO	34.4 (15.6)	**HBLIWC45123R220HG**
White reel and hospital grade connector HBL8319C.	20A	125V AC	45 (13.7)	12/3 SJO	33.6 (15.2)	**HBLIWC45123C20HG**

Note: For additional cord reel configurations, please view our online resources below, or contact your local Hubbell representative



Plenum Rated Enclosure

Hubbell's inREACH plenum rated enclosure is the first of its kind, allowing customers to securely mount cord reels in drop ceilings, while isolating it from the plenum space. These enclosures are Listed to UL2416, making them compliant with plenum requirements per the NEC.

- Steel enclosure, white powder coat surface finish
- UL 2416 Listed; CAN/CSA C22.2 No 60950-1-07, compliant with plenum requirements per NEC300.22
- Accepts most Hubbell inREACH industrial cord reels
- 4 in. square electrical box included
- Pre-punched knockout hole

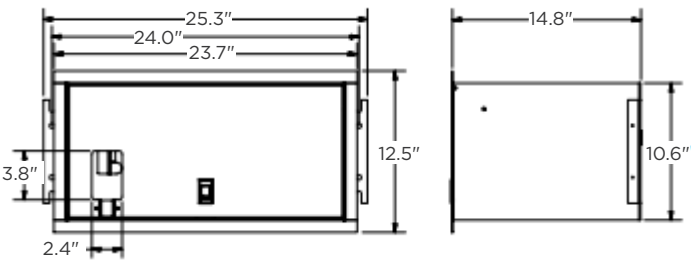


HBLIPRBOX

Plenum Rated Enclosure for inREACH Cord Reels

Description	Weight lbs. (kg)	Catalog Number
Plenum rated enclosure.	30 lbs. (13.6)	**HBLIPRBOX**

Note: Check with manufacturer for compatible cord reel models.

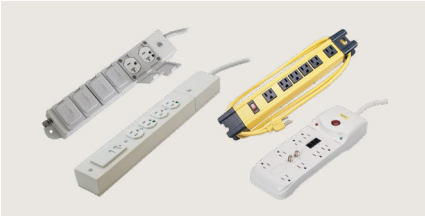


Dimensions in Inches (mm)

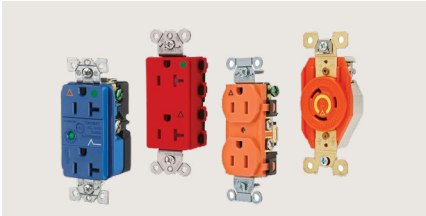




Surge Protection Panels & Wired-In Branch Panels



SpikeShield Surge Protection Plug Strips



Surge Protection & Isolated Ground Receptacles

Products at a Glance O-2

Service/Branch Panel Protection

- 300kA and 150kA Service/Branch Panel Protection O-4
- 132kA Service/Branch Panel Protection O-5
- Wired-In Branch Panel Protection O-6
- Wired-In Surge Arrestors and Protective Devices O-7

Surge Protection Plug Strips

- UL2930 Healthcare Outlet Assembly (HCOA). O-8
- UL1449 Metallic and Non-Metallic Strips O-9
- UL1363 Heavy Duty Metal Housing O-10

Surge Protection Receptacles O-13

SNAP*Connect*® TR and Power Indicating LED Receptacles

- Surge Protection O-15
- Isolated Ground O-15

Straight Blade Isolated Ground Receptacles O-17

Twist-Lock® Isolated Ground Receptacles. O-20

Specifications

- Surge Protection Plug Strips. O-11
- Surge Protection Receptacles. O-21
- Service/Branch Panel Protection O-22

Products at a Glance



Surge Protection Panels and Wired-In Branch Panels

- 300,000, 150,000 and 132,000 peak amp capacity
- Wired-in branch panel protection 105,000 peak amp capacity
- Wired-in surge arrestors, single phase 36,000 and three phase 40,000
- Wired-in surge protective devices 50,000 peak amp capacity



SpikeShield Surge Protection Plug Strips

- UL2930 Healthcare Outlet Assemblies (HCOA)
- UL1449 surge protective devices
- 15A and 20A versions
- Available in metallic and non-metallic
- 6 foot or 15 foot cords available
- USB ports included in several models



Surge Protection Receptacles

- Available in specification and hospital grade versions
- SNAPConnect® version with tamper-resistant shutters
- Isolated ground specification and hospital grade Surge Protection Devices (SPD)'s available



Isolated Ground Receptacles

- Available in specification and hospital grade versions
- Twist-Lock® isolated ground available
- Isolated ground SPDs also available

Features and Benefits

A cascading approach is recommended for optimal surge protection of any facility or home. A cascading approach includes surge protection at the service entrance, branch panel and the point-of-use. Hubbell offers a comprehensive offering of panel surge products, innovative surge strips and the broadest surge receptacle offering in the industry.

The SpikeShield line of panel surge protective devices offers a broad selection of products to meet the many requirements of industrial, commercial, institutional and residential applications. Hubbell offers a complete offering of high quality, cost effective panel surge products.

- All panel surge products are UL1449 4th edition listed
- Protection levels from 50 kA to 300 kA to handle all real world surge events
- 132, 150 and 300 kA versions feature bus bar construction, bolt down modules, surge counter and a metallic NEMA 1 enclosure
- Hubbell's wired-in surge units are ideal for service entrance, branch panel, or point of use applications such as protecting variable speed drives or other sensitive equipment on the plant floor





Housing Design

- Surface mounting
- Compact design with bus-bar pathways, allows installation in areas with space restrictions
- NEMA 1 enclosure
- All panel products are UL Listed to Standard 1449 4th edition



Interior Design

- Bolt-down modules, assures positive connection and allows for easy replacement
- Thermal fuse prevents the MOVs from overheating when exposed to high current levels
- Peak amp capacity for 132kA, 150kA and 300kA, protects equipment under the worst electrical conditions



Optional Disconnect Models

- 150 kA and 300 kA surge panels are available with an optional integral disconnect
- Integral switch allows power to SPD to be disconnected before opening the enclosure door



Protection

- Diagnostics panel
- LED and audible alarm for module failure with silencing
- UL 1449 Type 1 to be used in both Type 1 and Type 2 applications
- Type 1 SPD's can be located at any point in the electrical system, on the line or load side of the equipment over-current device

300kA and 150kA Service/Branch Panel Protection

The SpikeShield service entrance product line includes a line of panels with replaceable modules. This series features improved performance through the use of a low impedance bus-bar design and easily replaceable bolt-down modules.

They incorporate a modular (replaceable surge protection modules) design and feature the latest industry approvals and safety ratings. Including UL1449 4th edition.

- Improved performance through the use of a low impedance bus-bar design
- Replaceable surge protection modules
- Surge counter included in all units
- NEMA 1 enclosure
- LED and audible alarm status indicator



HBL3P300S



HBL3P300SD

Service/Branch Panel Protection 300,000 Peak Amp Capacity (Type 1 SPD)

Voltage	Configuration	Catalog Number	With Disconnect
120/240V AC Single Phase	1Ph. 3-wire +G	HBL3P300S	HBL3P300SD
120/208V AC Wye	3Ph. Wye 4-wire +G	HBL4P300S	HBL4P300SD
240V AC Delta	3Ph. Delta 3-wire Corner Gnd	HBL5P300S	HBL5P300SD
240/120V AC Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	HBL6P300S	HBL6P300SD
277/480V AC Wye	3Ph. Delta 3-wire +G	HBL8P300S	HBL8P300SD
480V AC Delta	3Ph. Delta 3-wire Corner Gnd	HBL9P300S	HBL9P300SD
347/600V AC Wye	3Ph. Wye 4-wire +G	HBL10P300S	HBL10P300SD

Service/Branch Panel Protection 150,000 Peak Amp Capacity (Type 1 SPD)

Voltage	Configuration	Catalog Number	With Disconnect
120/240V AC Single Phase	1Ph. 3-wire +G	HBL3P150S	HBL3P150SD
120/208V AC Wye	3Ph. Wye 4-wire +G	HBL4P150S	HBL4P150SD
240V AC Delta	3Ph. Delta 3-wire Corner Gnd	HBL5P150S	HBL5P150SD
240/120V AC Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	HBL6P150S	HBL6P150SD
277/480V AC Wye	3Ph. Delta 3-wire +G	HBL8P150S	HBL8P150SD
480V AC Delta	3Ph. Delta 3-wire Corner Gnd	HBL9P150S	HBL9P150SD
347/600V AC Wye	3Ph. Wye 4-wire +G	HBL10P150S	HBL10P150SD

150kA Electrical Specifications

Catalog Number	SCCR	In	MCOV	L-N	L-G	N-G	L-L	H-L	H-N	H-G
HBL3P150*	200 kA	20 kA	420/210/210/150	1200	1200	900	1800			
HBL4P150*	200 kA	20 kA	300/150/150/150	1000	1000	900	1500			
HBL5P150*	200 kA	20 kA	300/300	N/A	1500	N/A	1500			
HBL6P150*	200 kA	20 kA	840,420,420, 840, 840, 420,420	1800	1800	3000	3000	3000	1800	1800
HBL8P150*	200 kA	20 kA	8,40,42,04,20,275	1800	1800	1200	2500			
HBL9P150*	200 kA	20 kA	5,50,550	N/A	2000	N/A	2000			
HBL10P150*	200 kA	20 kA	9,20,46,04,60,420	1800	1800	1800	3000			

*Note: *Specification applies to both standard (S) and disconnect (SD) series.*
SCCR - Short Circuit Current Rating.
MCOV - Maximum Continuous Operating Voltage.
In - Nominal discharge current.

Dimensions in Inches (mm)

132kA Service/Branch Panel Protection

The SpikeShield 132kA branch panel product offering features an economical, compact, modular design.

- Economical, compact, modular design
- Protect branch panels, safety switches and load centers
- Surge counter included in all units
- NEMA 1 enclosure
- LED and audible alarm status indicator
- UL1449 4th edition
- Catalog numbers ending in "S" are steel cabinets (8.3" x 6.5" x 4")
- Catalog numbers ending in "NM" are non-metallic, plastic enclosures (8.0" x 6.0" x 2.5")



HBL8P132S



HBL8P132NM

Service/Branch Panel Protection 132,000 Peak Amp Capacity (Type 1 SPD)

Voltage V AC	Configuration	Catalog Number	Non-metallic Enclosure
120/240V AC Single Phase	1Ph. 3-wire +G	**HBL3P132S**	**HBL3P132NM**
120/208V AC Wye	3Ph. Wye 4-wire +G	**HBL4P132S**	**HBL4P132NM**
240V AC Delta	3Ph. Delta 3-wire Corner Gnd	**HBL5P132S**	**HBL5P132NM**
240/120V AC Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6P132S**	**HBL6P132NM**
277/480V AC Wye	3Ph. Delta 3-wire +G	**HBL8P132S**	**HBL8P132NM**
480V AC Delta	3Ph. Delta 3-wire Corner Gnd	**HBL9P132S**	**HBL9P132NM**
347/600V AC Wye	3Ph. Wye 4-wire +G	**HBL10P132S**	**HBL10P132NM**

132kA Electrical Specifications

Catalog Number	In	MCOV	L-N	L-G	N-G	L-L	H-L	H-N	H-G
HBL3P132S	20 kA	420/210/210/150	700	700	700	1000			
HBL4P132S	20 kA	300/150/150/150	700	700	700	1000			
HBL5P132S	20 kA	300/300	N/A	1200	N/A	1800			
HBL6P132S	20 kA	840,420,420, 840, 840, 420,420	700	700	700	1000	3000	700	700
HBL8P132S	20 kA	8,40,42,04,20,275	1000	1200	1000	1800			
HBL9P132S	20 kA	5,50,550	N/A	1800	N/A	3000			
HBL10P132S	20 kA	9,20,46,04,60,420	1800	1800	1800	3000			

*Note: *Specification applies to both standard (S) and non-metallic (NM) series.*
SCCR - Short Circuit Current Rating (S versions have a 200kA SCCR and NM versions have a 150kA SCCR).
MCOV - Maximum Continuous Operating Voltage.
In - Nominal discharge current.

Dimensions in Inches (mm)

Wired-In Branch Panel Protection

The wired-in surge protection device brick design is ideal for areas where space is a major consideration. The surge unit can be mounted directly to the panel through a chase nipple connection which will reduce lead length and impedance while increasing protection levels.

The 105kA product features a NEMA 4X housing and a 150kA SCCR rating.

The SpikeShield wired-in surge protective devices are UL1449 4th edition listed.

- 105,000 Peak Amperage Capacity
- Ideal for areas where space is a major consideration
- Can be mounted directly to the panel through a chase nipple connection to reduce lead length and impedance



HBL3P105NM

Service/Branch Panel Protection 105,000 Peak Amp Capacity Type 1 SPD)

Service Voltage	Configuration	Catalog Number	Non-metallic Enclosure
120/240V AC Single Phase	1Ph. 3-wire +G	**HBL3P105NM**	**HBL3P132NM**
120/208V AC Wye	3Ph. Wye 4-wire +G	**HBL4P105NM**	**HBL4P132NM**
240V AC Delta	3Ph. Delta 3-wire Corner Gnd	**HBL5P105NM**	**HBL5P132NM**
240/120V AC Delta split phase	3Ph. Delta 4-wire +G 'High Leg'	**HBL6P105NM**	**HBL6P132NM**
277/480V AC Wye	3Ph. Delta 3-wire +G	**HBL8P105NM**	**HBL8P132NM**
480V AC Delta	3Ph. Delta 3-wire Corner Gnd	**HBL9P105NM**	**HBL9P132NM**

105kA Electrical Specifications

Catalog Number	In	MCOV	L-N	L-G	N-G	L-L	H-L	H-N	H-G
HBL3P105NM	20 kA	300, 150, 150,150	700	700	700	1000			
HBL4P105NM	20 kA	300, 150, 150,150	700	700	700	1000			
HBL5P105NM	20 kA	640, 320		N/A			3000	700	700
HBL6P105NM	20 kA	300,150, 150, 150, 470, 320, 320	700	700	700	1000			
HBL8P105NM	20 kA	6,40,32,03,20,320	1000	1200	1000	1800			
HBL9P105NM	20 kA	1100, 550	N/A	1800	N/A	3000			

Note: SCCR - Short Circuit Current Rating (S versions have a 200kA SCCR and NM versions have a 150kA SCCR).
MCOV - Maximum Continuous Operating Voltage.
In - Nominal discharge current.

Dimensions in Inches (mm)

Wired-In Surge Arrestors and Protective Devices

Surge Arrestors are a low cost solution that may be installed on the line side or load side of the service entrance. These are also excellent for OEM applications where size is an important variable.

Hubbell's 50kA single phase wired-in high-quality surge protective device features a compact design, NEMA 4X rating and are UL1449 4th edition listed.

- 50,000 Peak Amperage Capacity
- Surge arrestors are a low cost solution that may be installed on the line side or load side of the service entrance
- Excellent for OEM applications where size is an important variable
- Single phase wired-in surge protective devices feature a compact design of cast aluminum 4" x 3.5" x 2.5" (no disconnects)



HBL3PS50ALU



HBL4PB50ALU



HBL3PB50ALU

Service/Branch Panel Protection 50,000 Peak Amp Capacity open parenthesis mare (Type 1 SPD)

Service Voltage	Configuration	Catalog Number (Back Wired)	Side Wired
120/240V AC Single Phase	1Ph. 3-wire +G	**HBL3PB50ALU**	**HBL3PS50ALU**
120/208V AC Wye	3Ph. Wye 4-wire +G	**HBL4PB50ALU**	—
240V AC Delta	3Ph. Delta 3-wire Corner Gnd	**HBL5PB50ALU**	—
277/480V AC Wye	3Ph. Delta 3-wire +G	**HBL8PB50ALU**	—
480V AC Delta	3Ph. Delta 3-wire Corner Gnd	**HBL9PB50ALU**	—
347/600V AC Wye	3Ph. Wye 4-wire +G	**HBL10PB50ALU**	—
600V AC Delta	3Ph. Delta 3-wire Corner Gnd	**HBL11PB50ALU**	—

50kA Electrical Specifications

Catalog Number	SCCR	In	MCOV	L-N	L-G	N-G	L-L
HBL3P*50ALU	150 kA	20 kA	140, 140, 120	700	1200	1200	1200
HBL4PB50ALU	150 kA	20 kA	280, 140, 140, 120	700	120	120	N/A
HBL5PB50ALU	150 kA	20 kA	280, 280	N/A	1200	N/A	1200
HBL8PB50ALU	150 kA	20 kA	560, 320, 320, 280	1200	1500	1200	2500
HBL9PB50ALU	150 kA	20 kA	560, 560	N/A	1500	N/A	2500
HBL10PB50ALU	150 kA	20 kA	NOT UL	1200	1500	1200	2500
HBL11PB50ALU	150 kA	20 kA	690, 690	N/A	1800	N/A	3000

*Note: **Specification applies to both side wired (S) and back wired (B) options.*
SCCR - Short Circuit Current Rating.
MCOV - Maximum Continuous Operating Voltage.
In - Nominal discharge current.

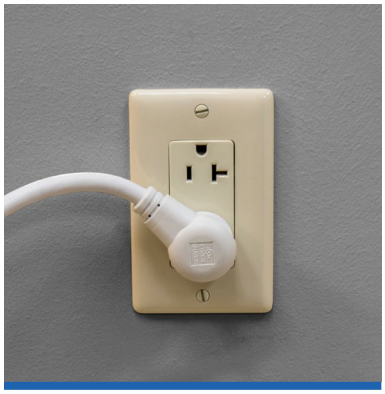
Dimensions in Inches (mm)

Healthcare Outlet Assemblies (HCOA)

Features and Benefits

- Hubbell's UL2930 HCOAs are the industry first
- UL Listed product for patient care areas
- Product is available with or without L-N surge protection
- 4 Outlet models feature straight plugs

UL2930 Listed



45° Angle Plug
(6 outlet 15A models only)



HBL6MG620
Surge Protected HCOA

HBL4MGRPT6
RPT HCOA



Housing Design and Safety

- First UL2930 product ever sold
- 15A and 20A 125V versions
- Surge or non-surge protected models in all configurations
- Tamper-resistant flip covers
- Green LED indicates surge protection working



Contacts and Cord

- Equipment grounding terminal
- 6 ft. or 15 ft. cord length
- 12/3 AWG cord on 15A and 20A models
- 45° angle plug (6 outlet 15A models only)
- 90° angle plug (all 4 outlet and all 20A models)

UL2930 Healthcare (6) Outlet Assembly (HCOA)

Description	# of Outlets	Joule Rating	Cord Length	Color	15 Amp	20 Amp
UL2930 HCOA with L-N Surge Protection.	6	550	6 Ft.	White	HBL6MG6	HBL6MG620
	6	550	15 Ft.	White	HBL6MG15	HBL6MG1520
UL2930 HCOA Relocatable Power Tap (RPT).	6	N/A	6 Ft.	White	HBL6MGRPT6	HBL6MGRPT620
	6	N/A	15 Ft.	White	HBL6MGRPT15	HBL6MGRPT1520

UL2930 Healthcare (4) Outlet Assembly (HCOA)

Description	# of Outlets	Joule Rating	Cord Length	Color	15 Amp	20 Amp
UL2930 HCOA with L-N Surge Protection.	4	550	6 Ft.	White	HBL4MG6	HBL4MG620
	4	550	15 Ft.	White	HBL4MG15	HBL4MG1520
UL2930 HCOA Relocatable Power Tap (RPT).	4	N/A	6 Ft.	White	HBL4MGRPT6	HBL4MGRPT620
	4	N/A	15 Ft.	White	HBL4MGRPT15	HBL4MGRPT1520

Hubbell HCOA Accessories

Description	Color	Catalog Number
HCOA mounting bracket allows strips to be easily mounted to IV poles or other like medical devices.	Black	HBLHCOAMB
HCOA replacement outlet cover.	White	ROCMGS



HBL6MG6



HBL4MGRPT6



HBLHCOAMB



ROCMGS

Dimensions in Inches (mm)

Healthcare Industry

- Hospital grade ● tamper-resistant receptacles with a hospital grade ● plug
- cULus 1449 4th edition
- Heavy duty metal housing
- Available with a 2-port USB charging outlet

Industrial Grade

- Tamper-resistant receptacles with a heavy duty plug
- cULus Listed to UL1449 4th edition, UL1363
- Heavy duty metal housing

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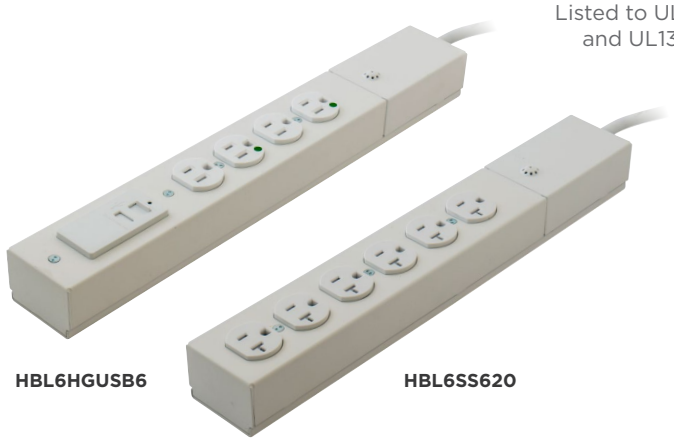
Listed to UL1449 and UL1363



HBL6HGUSB6 HBL6SS620

SpikeShield Surge Protective Devices (SPD) with Tamper-Resistant Receptacles and Heavy Duty Plug

Description	# of Outlets	Joule Rating	Cord Length	Color	Healthcare Industry		Industrial Grade	
					15 Amp	20 Amp	15 Amp	20 Amp
UL Type 3 SPD, Heavy Duty Metal Housing.	6	1100	6′	White	HBL6HG6	HBL6HG620	HBL6SS6	HBL6SS620
	6	1100	15′	White	HBL6HG15	HBL6HG1520	HBL6SS15	HBL6SS1520
UL Type 3 SPD, Heavy Duty Metal Housing with 2-port, Type A USB.	4	1100	6′	White	HBL6HGUSB6	—	—	—

Metallic Surge Protection Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty	Catalog Number
Metal Power Strip (No surge protection).	6	N/A	N/A	6′	Office White	N/A	HBL6MPS
Metal Power Strip (No surge protection).	6	N/A	N/A	15′	Office White	N/A	HBL6MPS15
Metal SPD.	6	1050	19.5kA	6′	Office White	$2,500	HBL6MPS1050
Metal SPD.	6	1050	19.5kA	15′	Office White	$2,500	HBL6MPS105015
SPD with Wire Management.	6	350	6.5kA	6′	Yellow	$2,500	HBL6PS350YL
SPD with Wire Management.	8	350	6.5kA	6′	Yellow	$2,500	HBL8PS350YL



HBL6MPS



HBL6PS350YL

Non-Metallic Surge Protection Strips

Description	# of Outlets	Joule Rating	Peak AMP Rating	Cord Length	Color	Down Line Warranty	Catalog Number
Power Strip (No surge protection).	6	N/A	N/A	6′	Office White	N/A	HBL6PPS
SPD.	6	350	6.5kA	6′	Office White	$2,500	HBL6PS350A
SPD.	6	350	6.5kA	15′	Office White	$2,500	HBL6PS35015A
SPD with Fax/Modem.	6	1050	19.5kA	6′	Office White	$2,500	HBL6PS1050MA
SPD.	7	1050	19.5kA	6′	Office White	$10,000	HBL7PS1050A
SPD with Fax/Modem.	7	1050	19.5kA	6′	Office White	$10,000	HBL7PS1050MA
SPD.	7	1050	19.5kA	15′	Office White	$10,000	HBL7PS105015A
SPD with Fax/Modem/ CATV.	8	2100	39kA	6′	Office White	$25,000	HBL8PS2100MA
SPD with Two USB Ports and 90° Angle Plug.	4	1050	19.5kA	6′	Black	$10,000	HBL4PS1050USBA



HBL6PS350A



HBL8PS2100MA



HBL4PS1050USBA

Dimensions in Inches (mm)

Heavy Duty Relocatable Power Taps (RPT)

Industrial, Commercial and Retail Applications

- Heavy duty 18 gauge galvanized steel housing with durable powder coat finish
- Available in 15A and 20A configurations
- 6 Ft. and 15 Ft. cord length options for all models
- 15A models feature a 45° angle plug
- 20A models feature a 90° angle plug
- All models come with built in circuit breaker for over current protection
- Church-key openings on the back of the RPT for temporary mounting ease
- White powder coat RPTs feature UL Listed Hospital Grade, Tamper-Resistant Receptacles
- Black powder coat RPTs feature Specification Grade, Tamper-Resistant Receptacles

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Listed to UL1363



HBL6RPT620 HBL6RPT6BK



Housing Design and Safety

- Heavy duty 18 gauge galvanized steel housing with durable powder coat finish
- White or black powder coat RPTs feature tamper-resistant receptacles
- Church-key openings on the back of the RPT for temporary mounting ease



Contacts and Cord

- All models come with built in circuit breaker for over current protection
- 6 ft. or 15 ft. cord length
- 45° angle plug (15A series)
- 90° angle plug (20A series)

Relocatable Power Tap with Hospital Grade Tamper-Resistant Receptacles

Description	# of Outlets	Cord Length	Color	15A 125V	20A 125V
RPT, Heavy Duty Metal Housing.	6	6 Ft.	White	HBL6RPT6	HBL6RPT620
	6	15 Ft.	White	HBL6RPT15	HBL6RPT1520



HBL6RPT6

Relocatable Power Tap with Specification Grade Tamper-Resistant Receptacles

Description	# of Outlets	Cord Length	Color	Catalog Number	20A 125V
RPT, Heavy Duty Metal Housing.	6	6 Ft.	Black	HBL6RPT6BK	HBL6RPT620BK
	6	15 Ft.	Black	HBL6RPT15BK	HBL6RPT1520BK



HBL6RPT620BK

Relocatable Power Tap Specifications

Electrical Specifications		
Current	15A	20A
Voltage	125V	125V
Frequency	60Hz	60Hz
Over Current Protection.	15A CB	20A CB

Physical Specifications	
Length	11.12" (282.4)
Width	2.22" (56.4)
Height	1.60" (40.5)

Environmental Specifications	
Operating Temperature	-40°F to 160°F (-40°C to 70°C)

Certifications
cULus Listed UL1363 RPT

Dimensions in Inches (mm)

UL2930 Heatlhcare Outlet Assembly

Electrical Specifications

	HBL6MG6/15	HBL6MG20/1520	HBL6MGRPT6/15	HBL6MGRPT20/1520
Current	15A	20A	15A	20A
Voltage	125V	125V	125V	125V
Frequency	60Hz	60Hz	60Hz	60Hz
Surge Component	MOV	MOV	N/A	N/A

Performance			
UL VPR L-N	600V	N/A	N/A
L-G, N-G	N/A		
EMI Noise Filtration:	-11 dB to -68 dB (10kHz to 100MHZ)		
In (Nominal Discharge Current)	3kA		
MCOV	150V		
Peak Current Rating L-N	30KA		
Leakage Current:	<.1mA		
Total Joules (L-N)	550j		

Environmental Specifications	
Operating Temperature	-40°F to 160°F (-40°C to 70°C)

Certifications

UL 2930; UL File # E488399;
RoHs Compliant; NFPA 99 2012 ed;
ANSI/IEEE Category A (HBL6MG Series Only)

SpikeShield Surge Protective Devices (SPD) with Industrial Grade Tamper-Resistant Receptacles and Heavy Duty Plug

Electrical Specifications	15 Amp HBL6SS/HBL6HG Series	20Amp HBL6SS/HBL6HG Series
Current	15A	20A
Voltage	125V	125V
Frequency	60Hz	60Hz
Surge Component	MOV	MOV
Over Current Protection	15A CB	20A CB
2-Port USB (HBL6HGUSB6)	5V DC Type A	N/A

UL VPR	L-N	L-G	N-G
	500V	600V	600V

MCOV	150V
Peak Current Rating L-N	30KA
Leakage Current:	<.5mA
EMI / RFI Noise Rejection	-11 dB to -68 dB (10kHz to 100MHZ)
Total Joules (all modes)	1100j

Certifications

cULus Listed to UL1449 4th Edition, UL1363 4th Edition
UL File # E143272
RoHs Compliant
NFPA 99 2012 ed
ANSI / IEEE Category A
cULus Listed to UL1310 (2-Port USB)

Environmental Specifications	
Operating Temperature	-40°F to 160°F (-40°C to 70°C)

SpikeShield Surge Protection Plug Strips

	PS350 Series	MPS350 Series	PS350YL Series	PS1050 Series
Operating Specifications				
Max. Cont. Operating Voltage	130	130	130	130
Operating Frequency	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Max Surge Current	6.5 kA	6.5 kA	6.5 kA	19.5 kA
Operating Temperature	-40°F to 160°F (-40°C to 70°C)			
Performance				
UL Voltage Protection Rating	400V	400V	400V	400V
MI / RFI Noise Rejection	—	—	—	-20dB
Downline Warranty*	$2,500	$2,500	$2,500	$2,500 (6PS1050) $10,000 (all others)

*Note: *See warranty information inside product box for details.*

Dimensions

Series	Length	Width	Height
HBL6PS350/1050 Series & HBL6PPS	11.20" (284.5)	2.36" (59.9)	1.85" (47.0)
HBL7PS1050 Series	14.75" (374.7)	2.36" (59.9)	1.85" (47.0)
HBL6MPS Series	12.25" (311.2)	2.50" (63.5)	1.50" (38.1)
HBL6PS350YL	14.75" (374.7)	2.50" (63.5)	1.85" (47.0)
HBL8PS350YL	10.00" (254.0)	6.00" (152.4)	1.85" (47.0)
HBL4PS1050USB	10.38" (263.7))	3.81" (96.8)	1.44" (36.6)

Lexan® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

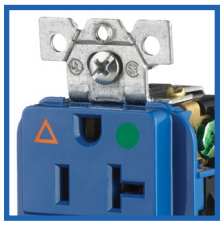
Surge Protection Receptacles

Hubbell offers a broad range SPD receptacles with technology that is unsurpassed. Inside Hubbell SPD receptacles are two 22mm square MOVs providing 240 joules of surge protection for each mode. The nylon component shield protects the printed circuit board from contaminants. An all-glass, conformably coated PC board provides superior moisture immunity for longer life in humid environments.

- Alarmed and non-alarmed versions
- Available in 15A and 20A versions
- Commercial Specification Grade and Hospital Grade
- IG available in all versions



Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.



Housing Design

- Meets UL Standards 1449 4th Edition and 498; CSA Certified
- Impact-resistant nylon face
- Available in hospital grade, 4-PLEX®, SNAPConnect® and tamper-resistant
- Fits standard wall box



Terminals

- Back and side wiring capability provides easy installation with stranded or solid wire



One-Piece Mounting Strap

- Wrap-around, locked on steel mounting strap provides additional support strength for receptacle assembly
- Automatic self-grounding staple attached to bridge meets NEC® requirements



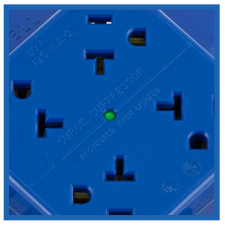
Contacts

- Green grounding screw connected directly to the grounding contacts



Identification

- Distinctive surge symbol provides quick visual identification
- Surge protection indicator light
- Muting screw allows damage-alert alarm to be silenced until device is replaced



4-PLEX Surge Receptacles

- Distinctive surge symbol
- Surge protection indicator light

NEC® is a registered trademark of the National Fire Protection Association (NFPA).



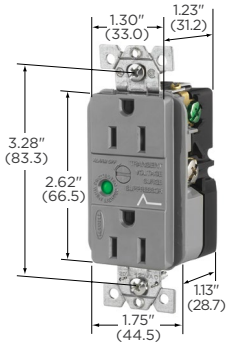
15A 125V
NEMA 5-15R
UL CSA



20A 125V
NEMA 5-20R
UL CSA

Circuit Guard®, Specification Grade Duplex Receptacles

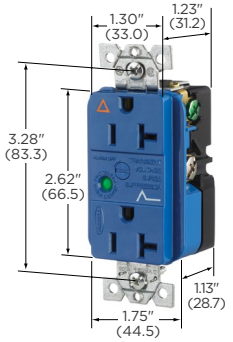
Description	Color	Catalog Number	
Surge protection receptacles with light, 240 joules, 15kA peak current.	Blue Ivory Office White White	**HBL5260SA** **HBL5260ISA** **HBL5260OWSA** **HBL5260WSA**	**HBL5360SA** **HBL5360ISA** **HBL5360OWSA** **HBL5360WSA**
Surge protection receptacles with light and alarm, 240 joules, 15kA peak current.	Blue Gray Ivory Office White White	**HBL5262SA** **HBL5262GYSA** **HBL5262ISA** **HBL5262OWSA** **HBL5262WSA**	**HBL5362SA** **HBL5362GYSA** **HBL5362ISA** **HBL5362OWSA** **HBL5362WSA**
Isolated ground, surge protection receptacles with light and alarm, 240 joules, 15kA peak current.	Blue Gray Ivory Office White Orange White	**IG5262SA** **IG5262GYSA** **IG5262ISA** **IG5262OWSA** **IG5262OSA** **IG5262WSA**	**IG5362SA** **IG5362GYSA** **IG5362ISA** **IG5362OWSA** **IG5362OSA** **IG5362WSA**
4-PLEX® surge protection receptacles with lights, 80 joules, 6.5kA peak current.	Blue Ivory	**HBL415S** **HBL415IS**	**HBL420S** **HBL420IS**



HBL5262GYSA

Circuit Guard, Hospital Grade ● Duplex Receptacles

Description	Color	Catalog Number	
Surge protection receptacles with light and alarm, 240 joules, 15kA peak current.	Blue Gray Ivory Red White	**HBL8262SA** **HBL8262GYSA** **HBL8262ISA** **HBL8262RSA** **HBL8262WSA**	**HBL8362SA** **HBL8362GYSA** **HBL8362ISA** **HBL8362RSA** **HBL8362WSA**
Isolated ground, surge protection receptacles with light and alarm, 240 joules, 15kA peak current.	Blue Gray Ivory Orange Red White	**IG8262SA** **IG8262GYSA** **IG8262ISA** **IG8262OSA** **IG8262RSA** **IG8262WSA**	**IG8362SA** **IG8362GYSA** **IG8362ISA** **IG8362OSA** **IG8362RSA** **IG8362WSA**
4-PLEX surge protection receptacles with lights, 80 joules, 6.5kA peak current.	Blue Ivory Red	— — —	**HBL420HS** **HBL420HIS** **HBL420HRS**

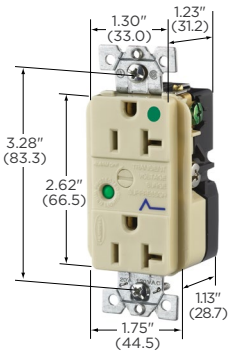


IG5362SA

4-PLEX® Accessories

Description	Color	Catalog Number
4-PLEX adapter plates for 1- and 2-gang (4-PLEX mount directly to 4" (101.6) square device boxes).	Blue Ivory Red	**HBL4APBL** **HBL4API** **HBL4APR**
4-PLEX portable box. Portable 4" (101.6) square box with one cord grip. Accepts up to .66" (16.8) dia. cord.	Ivory	**HBL4PBI**

Note: 4-PLEX box is not UL Listed.

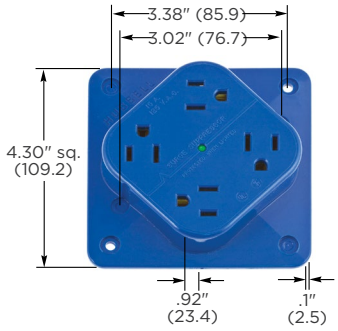


HBL8362ISA

Wallplates (Sold Separately)

Configuration	High-Impact Thermoplastic			Plated Steel		Stainless Steel (S/S) Brass	
	Color	Standard	Mid-Size				
 1-Gang	Blue	—	**PJ26BL**	Chrome	**SCH26**	Smooth S/S	**SS26**
	Gray	**P26GY**	**PJ26GY**	Brass	**SBP26**	Smooth S/S	**SSJ26*****
	Ivory	**P26I**	**PJ26I**	Plated		Smooth	**SB26**
	Ivory	—	**PJ26C***			Brass	
	Orange	**P26OIG****	—				
	Red	**P26R**	**PJ26R**				
	White	**P26W**	**PJ26W**				

*Note: *Premarked "COMPUTER ONLY." Lettering is block 1/4" high.*
***Premarked "ISOLATED GROUND". Lettering is block 1/4" high.*
****Jumbo size plate.*
See section P for additional wallplates.



HBL415S

Dimensions in Inches (mm)

SNAPConnect® Surge Protection and Isolated Ground

Features and Benefits

Receptacles Heavy Duty Specification Grade

Hubbell's SNAPConnect Isolated Ground devices are available in a variety of styles. Heavy-duty 18 gauge galvanized steel housing with durable powder coat finish.

- All SNAPConnect IG receptacles include Hubbell's industry best tamper-resistant shutter
- 15A and 20A models are available in Hospital Grade, HG Decorator, Commercial Specification Grade, and Commercial Decorator versions
- SNAPConnect IG devices are also available with a power indicating LED version in all the aforementioned grades; the power indicating product is also available in a non-TR shutter design
- SNAPConnect connectors come standard with solid or stranded 12 AWG THHN



Note: The effectiveness of SPD devices diminishes with the increase in distance between the device and the equipment to be protected.



Protection

- Hubbell surge receptacles offer 240 joules of protection and 15 kA peak current rating
- Surge protection LED indicator flashes when surge protection is lost
- Audible alarm also provides user notification that surge protection has been lost; muting screw allows user to turn alarm OFF once replacement has been scheduled



Isolated Ground

- G triangle on the face of the receptacle clearly indicates isolated ground device
- LED Power-ON indicator available on all models
- Hubbell's patented TR shutter design is utilized on all IG receptacles that feature the Tamper-Resistant option



Installation

- SNAPConnect devices reduce labor time during installation and when being serviced in the future
- Connectors available with solid or stranded leads
- Custom length leads available
- Push on wire option also available on SNAPConnect connectors



Installation

- SNAPConnect Isolated ground devices are available in standard duplex design or decorator shape
- 15A and 20A version in Commercial Specification Grade and Hospital Grade
- SNAPConnect Isolated Ground devices provide a clean ground path for sensitive equipment



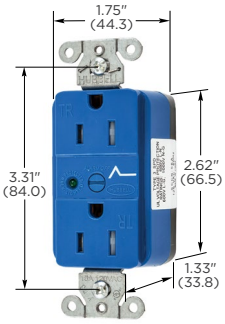
15A 125V
NEMA 5-15R
UL CSA



20A 125V
NEMA 5-20R
UL CSA

SNAPConnect Tamper-Resistant Surge Protection Duplex Receptacles with Power Indicating LED

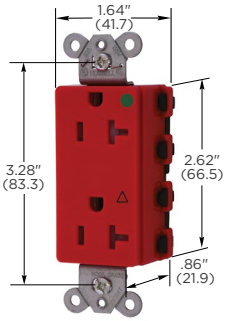
Description	Color	Catalog Number	
Hospital Grade ● SNAPConnect Tamper-Resistant, surge protection duplex receptacle, smooth face, 240 joules, 15kA peak current.	Blue Gray Ivory Light Almond Red White	**SNAP8262S** **SNAP8262GYS** **SNAP8262IS** **SNAP8262LAS** **SNAP8262RS** **SNAP8262WS**	**SNAP8362S** **SNAP8362GYS** **SNAP8362IS** **SNAP8362LAS** **SNAP8362RS** **SNAP8362WS**
Commercial Grade SNAPConnect Tamper-Resistant, surge protection duplex receptacle, smooth face, 240 joules, 15kA peak current.	Blue Gray Ivory Light Almond White	**SNAP5262S** **SNAP5262GYS** **SNAP5262IS** **SNAP5262LAS** **SNAP5262WS**	**SNAP5362S** **SNAP5362GYS** **SNAP5362IS** **SNAP5362LAS** **SNAP5362WS**



SNAP5262S

SNAPConnect Tamper-Resistant Isolated Ground Duplex Receptacles

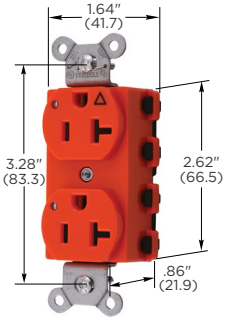
Description	Color	Catalog Number	
Hospital Grade ● SNAPConnect Tamper-Resistant, isolated ground, smooth face.	Orange Red	**SNAP8200IGTRA** **SNAP8200RIGTRA**	**SNAP8300IGTRA** **SNAP8300RIGTRA**
Hospital Grade ● Style Line® decorator SNAPConnect Tamper-Resistant, isolated ground, smooth face.	Orange Red	**SNAP2172IGTRA** **SNAP2172RIGTRA**	**SNAP2182IGTRA** **SNAP2182RIGTRA**
Commercial Grade, isolated ground.	Orange	**SNAP5262IGTRA**	**SNAP5362IGTRA**
Style Line® decorator.	Orange	**SNAP2152IGTRA**	**SNAP2162IGTRA**



SNAP2182RIGTRA

SNAPConnect Isolated Ground Duplex Receptacles with Power Indicating LED

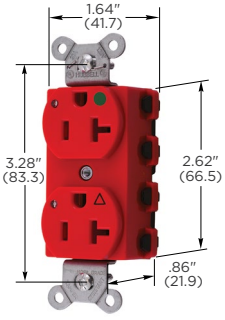
Description	Color	Catalog Number	
Hospital Grade ● SNAPConnect Tamper-Resistant, isolated ground, smooth face.	Orange Red	**SNAP8200IGL** **SNAP8200RIGL**	**SNAP8300IGL** **SNAP8300RIGL**
Hospital Grade ● Style Line decorator SNAPConnect Tamper-Resistant, isolated ground, smooth face.	Orange Red	**SNAP2172IGL** **SNAP2172RIGL**	**SNAP2182IGL** **SNAP2182RIGL**
Commercial Grade, isolated ground.	Orange	**SNAP5262IGL**	**SNAP5362IGL**
Style Line decorator.	Orange	**SNAP2152IGL**	**SNAP2162IGL**



SNAP5362IGL

SNAPConnect Tamper-Resistant Isolated Ground Duplex Receptacles with Power Indicating LED

Description	Color	Catalog Number	
Hospital Grade ● SNAPConnect Tamper-Resistant, isolated ground, smooth face.	Orange Red	**SNAP8200IGLTRA** **SNAP8200RIGLTRA**	**SNAP8300IGLTRA** **SNAP8300RIGLTRA**
Hospital Grade ● Style Line decorator SNAPConnect Tamper-Resistant, isolated ground, smooth face.	Orange Red	**SNAP2172IGLTRA** **SNAP2172RIGLTRA**	**SNAP2182IGLTRA** **SNAP2182RIGLTRA**
Commercial Grade, isolated ground.	Orange	**SNAP5262IGLTRA**	**SNAP5362IGLTRA**
Style Line decorator.	Orange	**SNAP2152IGLTRA**	**SNAP2162IGLTRA**

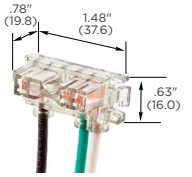


SNAP8300RIGLTRA

SNAPConnect Right Angle Pigtailed Connectors for General Use

Description	Solid Wire	Stranded Wire
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2, 600V, Polycarbonate housing material.	**SNAP1RNA**	**SNAP2RNA**

Note: See page Tech-10 for Tamper-Resistant and LED Power Indicators descriptions.



SNAP1RNA

Dimensions in Inches (mm)

Straight Blade Isolated Ground Receptacles

Features and Benefits

In February 1968, Hubbell patented the first isolated ground receptacle. Today - when a clean, noise-free ground is more important than ever - Hubbell is still setting the standard.

Hubbell uses insulation barrier construction on many models to isolate the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. In this way, ground contacts are separated from the mounting strap and also from the conventional grounding system. The isolated ground circuit is completed by running a dedicated insulated ground wire from the system ground buss to the green grounding screw.

And there's more to the Hubbell line:

- Available in 19 NEMA configurations and a total of 60 different type receptacles
- Versatility and mobility: With Hubbell's grounding method, Hubbell's IG devices can be mounted in boxes, on metal panels almost anywhere
- Hubbell quality: Every Hubbell IG device meets and exceeds all applicable codes and standards, specially the toughest standard of all, the Hubbell standard of excellence





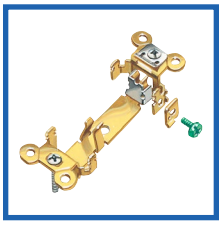
Housing Design

- Dimensionally stable, reinforced thermoplastic polyester provides impact strength in addition to heat and flame resistance
- Impact-resistant nylon face
- Straight blade 15A and 20A, 125V duplex receptacles are available in a variety of colors



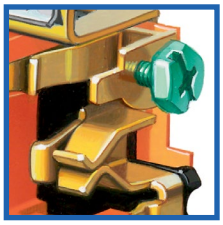
Terminals

- Back and side wiring capability provides easy installation with stranded or solid wire



One-Piece Mounting Strap

- Wrap-around, locked on brass mounting strap provides additional support strength for receptacle assembly
- Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box



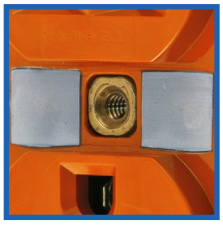
Contacts

- Green grounding screw connected directly to the grounding contacts
- Insulation barrier construction — first patented by Hubbell — isolates ground contacts from the mounting strap



Identification

- IG triangle on the face of the receptacle clearly indicates isolated ground device
- Amperage and voltage clearly indicated



Center Rivet

- Square head, 10-thread bronze center rivet won't rotate, reduces stripping and resists corrosion

Hospital Grade ●, HBL® Extra Heavy Duty, Isolated Ground Receptacles



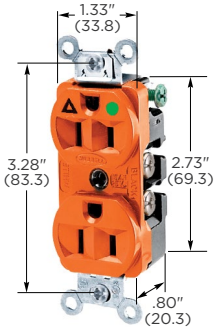
15A 125V
NEMA 5-15R
UL CSA
0.5 HP



20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
Flush, thermoplastic polyester face, duplex, back and side wired, multiple drive screws.	Orange Red	**IG8200** **IG8200R**	**IG8300** **IG8300R**
Style Line® decorator.	Orange Ivory White	— — —	**IG2182** **IG2182I** **IG2182WA**
Flush, thermoplastic polyester face, single.	Orange	**IG8210**	**IG8310**

Fed. Spec.



IG8200

Specification Grade, HBL Extra Heavy Duty, Isolated Ground Receptacles

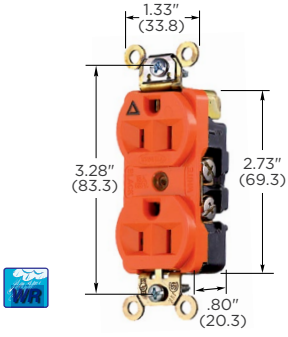


15A 125V
NEMA 5-15R
UL CSA
0.5 HP

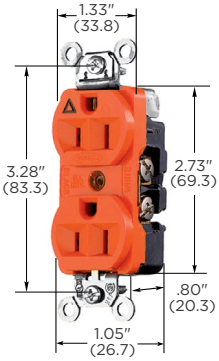


20A 125V
NEMA 5-20R
UL CSA
1 HP

Description	Color	Catalog Number	
Flush, nylon face, duplex, back and side wired, multiple drive screws.	Orange Gray Ivory Red White	**IG5262** **IG5262GY** **IG5262I** **IG5262R** —	**IG5362** **IG5362GY** **IG5362I** **IG5362R** **IG5362W**
Weather Resistant, duplex, isolated ground.	Orange Gray Ivory Red White	**IG5262WR** **IG5262GYWR** **IG5262IWR** **IG5262RWR** —	**IG5362WR** **IG5362GYWR** **IG5362IWR** **IG5362RWR** **IG5362WWR**
Finder groove, nylon face, duplex, back and side wired.	Orange Black Blue Gray Ivory Office White White	**CR5252IG** **CR5252IGBK** — **CR5252IGGY** **CR5252IGI** **CR5252IGOW** **CR5252IGW**	**CR5352IG** **CR5352IGBK** **CR5352IGBL** **CR5352IGGY** **CR5352IGI** **CR5352IGOW** **CR5352IGW**
Style Line decorator, flush, nylon face, back and side wired.	Orange Gray	**IG2152** —	**IG2162** **IG2162GY**
4-PLEX® receptacle.	Orange	**IG415**	**IG420***
Flush, nylon face, single, back and side wired.	Orange	**IG5261**	**IG5361**
Weather Resistant, single, Isolated ground.	Orange	**IG5261WR**	**IG5361WR**

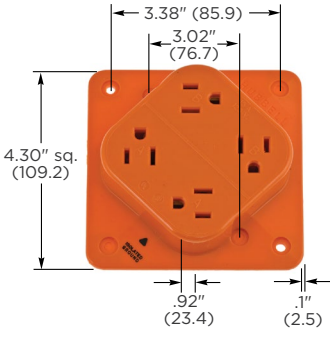


IG5262



CR5252IG

*Note: *Not Fed. Spec. Listed.*
See page Tech-10 for Weather Resistant description.
See page B-53 and B-54 for accessories.
See page B-34 for 4-PLEX accessories.



IG415

Dimensions in Inches (mm)

Straight Blade Isolated Ground Receptacles



15A 125V
NEMA 5-15R
UL CSA
0.5 HP

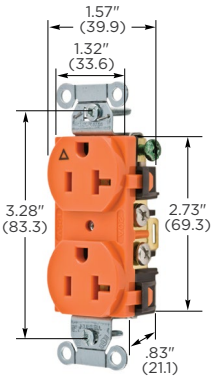


20A 125V
NEMA 5-20R
UL CSA
1 HP

Hubbell-PRO Heavy Duty Specification Grade

Description	Color	Catalog Number	
Smooth face, duplex, back and side wired.	Orange Gray Ivory Light Almond White	IG5252 IG5252GY IG5252I IG5252LA IG5252W	IG5352 IG5352GY IG5352I IG5352LA IG5352W
Tamper-Resistant, smooth face, duplex, back and side wired.	Orange Ivory White	IG5252TR IG5252ITR IG5252WTR	IG5352TR IG5352ITR IG5352WTR

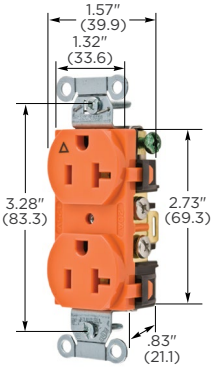
Note: See page Tech-10 for Tamper-Resistant description.



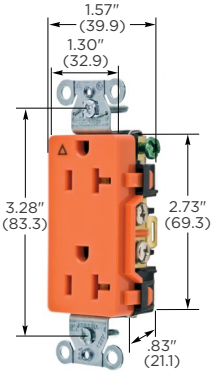
IG5352

Commercial Specification Grade

Description	Color	Catalog Number	
Smooth face, duplex, side wired.	Orange Gray Ivory Light Almond White	IG15CR IG15CRGRY IG15CRI IG15CRLA IG15CRWHI	IG20CR IG20CRGRY IG20CRI IG20CRLA IG20CRWHI
Style Line® decorator: smooth face; back and side wired.	Orange Gray Ivory Light Almond White	IG15DR IG15DRGRY IG15DRI IG15DRLA IG15DRWHI	IG20DR IG20DRGRY IG20DRI IG20DRLA IG20DRWHI



IG20CR



IG20DR

15A and 20A, 250V HBL® Extra Heavy Duty, Specification Grade, Isolated Ground Receptacles



15A 250V
NEMA 6-15R
UL CSA
1.5 HP



20A 250V
NEMA 6-20R
UL CSA
2 HP

Description	Color	Catalog Number	
Flush, nylon face, duplex, back and side wired, multiple drive screws.	Orange	IG5662	IG5462
Flush, nylon face, single.	Orange	IG5661	IG5461

IP20
SUITABILITY



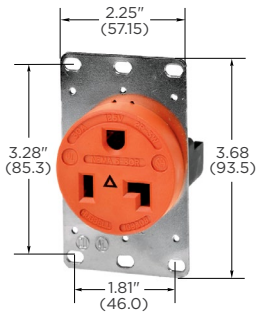
30A 125V
NEMA 5-30R
UL CSA
2 HP



30A 250V
NEMA 6-30R
UL CSA
2 HP

30A, 125V and 250V Isolated Ground Receptacles

Description	Color	Catalog Number	
Single receptacle, 2 pole, 3 wire grounding.	Orange	IG9308	IG9330



IG9308

Dimensions in Inches (mm)

Features and Benefits

Hubbell uses insulation barrier construction to isolate the ground contacts from the mounting strip, providing a clean, noise-free ground for sensitive equipment.

Face color-coding by voltage facilitates locating and mating of proper devices.

125V AC


250V AC


480V AC


125/250V AC





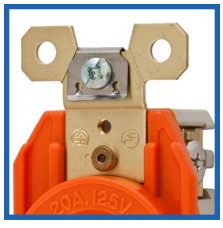
Housing Design

- Impact-resistant nylon face
- Boss diameter is 1.56 in. (39.6) on 20 and 30A devices, simplifying installation
- Glass-filled thermoplastic polyester base is heat and impact resistant, providing dimensional stability and strength



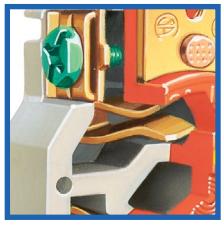
Terminals

- Back and side wiring capability provides easy installation with stranded or solid wire



Mounting Strap

- All-brass mounting and grounding system provides a low resistance ground path
- Automatic self-grounding clip assures ground continuity between mounting strap and metal wall box



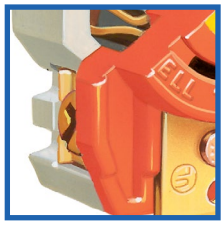
Contacts

- Insulation barrier construction first patented by Hubbell isolates ground contact from the mounting strap
- Wire restraint recess for both back and side wiring reduces terminal loosening
- One-piece contact with long spring arm (low stress) and oxide cutting nibs; prevents stress and overheating



Identification

- Color-coding by voltage rating helps ensure mating of proper devices
- Amperage and voltage clearly indicated



Center Rivet

- #10 silicon bronze terminal screw provides excellent strength and resistance to corrosion and stripping
- External back wiring allows visual inspection of terminations

Isolated Ground Twist-Lock® Receptacles

15A, 125V and 250V Back and Side Wired



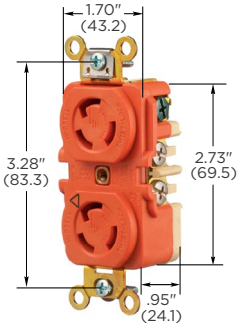
15A 125V
NEMA L5-15R
UL/CSA



15A 250V
NEMA L6-15R
UL/CSA

Description	Poles/Wires	Color	Catalog Number	
Flush, RTP face, duplex.	2 pole, 3 wire	Orange	IG4700A*	IG4550A*
Flush, RTP face, single.	2 pole, 3 wire	Orange	IG4710	IG4560

Note: RTP is an abbreviation for reinforced thermoplastic polyester.
**Supplied with break-off tabs for split circuit wiring.*



IG4700A

20A, 125V, 250V and 480V AC Back and Side Wired



20A 125V
NEMA L5-20R
UL/CSA
1 HP



20A 250V
NEMA L6-20R
UL/CSA
2 HP



20A 480V AC
NEMA L8-20R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number		
Flush, nylon face, single.	2 pole, 3 wire	Orange	IG2310	IG2320	IG2340

30A, 125V and 250V Back and Side Wired

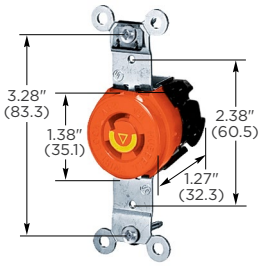


30A 125V
NEMA L5-30R
UL/CSA
2 HP



30A 250V
NEMA L6-30R
UL/CSA
2 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	2 pole, 3 wire	Orange	IG2610	IG2620



IG4710

20A, 125V/250V and 3Ø 250V AC Back and Side Wired



20A 125/250V AC
NEMA L14-20R
UL/CSA
2 (1) HP



20A 3Ø 250V AC
NEMA L15-20R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	3 pole, 4 wire	Orange	IG2410	IG2420

30A, 125V/250V and 3Ø 250V AC Back and Side Wired

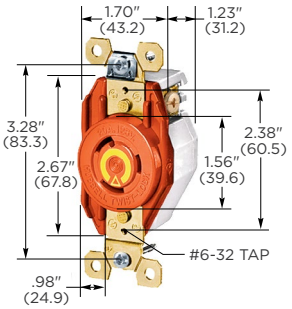


30A 125/250V AC
NEMA L14-30R
UL/CSA
2 (2) HP



30A 3Ø 250V AC
NEMA L15-30R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	3 pole, 4 wire	Orange	IG2710	IG2720



IG2310

20A and 30A, 3ØY 120/208V AC Back and Side Wired



20A 3ØY
120/208V AC
NEMA L21-20R
UL/CSA
2 HP



30A 3ØY
120/208V AC
NEMA L21-30R
UL/CSA
3 HP

Description	Poles/Wires	Color	Catalog Number	
Flush, nylon face, single.	4 pole, 5 wire	Orange	IG2510	IG2810

Dimensions in Inches (mm)

Surge Protection Receptacles

	Part	Duplex	4-PLEX®
Typical Specification	**Catalog Number(s)**	**HBL5262SA/HBL5362SA SNAP5262S/SNAP5362S**	**HBL4AP**
Type–2 Pole, 3 Wire, Grounding	Receptacle	15A/20A	15A/20A
	Top & Base	Nylon	Lexan®
	Power Contact	.031" (.8) Brass	.032" (.8) Brass
	Contact Design	Tandem Modified Bypass	Triple Wipe
Rating–15A, 125V AC/20A, 125V AC	Mounting Strap	.050" (1.3) Steel-Zinc Coated	–
Certification–UL Listed File E2186	Clamping Plate	.031" (.8) Brass	.031" (.8) Brass-Line Terminal Plate
Listed to UL Standards 498 Receptacles			.031" (.8) Brass-Neutral Terminal Plate
Meets UL1449 4th edition	Terminal Screws	Brass #8-32 (HBL only)	Brass #8-32
	Grounding Screw	Steel (Green) (HBL only)	Brass (Green)
CSA Certified to Specification C22.2 No. 42	Auto Grd. Clip	Stainless Steel	.050" (1.3) Ground Plate
ANSI/IEEE C62.41 (IEEE 587)	Mounting Screws	Steel-Zinc Plated	Brass
Installation Categories "A" (Ring Wave)	LED	Green	Green
"B" (Unidirectional Impulse)	Alarm Muting Screw	Nylon	–

Performance

Electrical	**Duplex/SNAPConnect®**		**4-PLEX®**	
Frequency	60Hz		60Hz	
Voltage	120V AC + 10%–15%		20V AC + 10%–15%	
Response Time	Approximately 5 ns		Approximately 5 ns	
Protection Modes	Normal & Common Modes		Normal & Common Modes	
Transient Suppression	Peak Energy (10 X 100 µs)	Peak Current (8 X 20 µs)	Peak Energy (10 X 100 µs)	Peak Current (8 X 20 µs)
Normal Mode (L-N)	240 joules	15000A	80 joules	6500A
Common Mode (L-G), (N-G)	240 joules	15000A	80 joules	6500A
UL Voltage Protection Rating	600 L-N, 600 L-G, 1000 N-G		600 L-N, 600 L-G, 900 N-G	
EMI/RFI Attenuation at 50 Ohms Normal Mode	-40 dB			
Operating Temperature	32°F to 140°F (0°C to 60°C)		-40°F to 140°F (-40°C to 60°C)	
Flammability	UL 94V-2		UL 94V-2	

300kA Electrical Specifications

Catalog Number	SCCR	In	MCOV	L-N	L-G	N-G	L-L	H-L	H-N	H-G
HBL3P300*	200 kA	20 kA	420/210/210/150	1200	1200	900	1800	N/A	N/A	N/A
HBL4P300*	200 kA	20 kA	300/150/150/150	1000	1000	900	1500	N/A	N/A	N/A
HBL5P300*	200 kA	20 kA	300/300	N/A	1500	N/A	1500	N/A	N/A	N/A
HBL6P300*	200 kA	20 kA	840,420,420, 840, 840, 420,420	1800	1800	3000	3000	3000	1800	1800
HBL8P300*	200 kA	20 kA	840,420,420,275	1800	1800	1200	2500	N/A	N/A	N/A
HBL9P300*	200 kA	20 kA	550,550	N/A	2000	N/A	2000	N/A	N/A	N/A
HBL10P300*	200 kA	20 kA	920,460,460,420	1800	1800	1800	3000	N/A	N/A	N/A

*Note: *Specification applies to both standard (S) and disconnect (SD) series.*
SCCR - Short Circuit Current Rating.
MCOV - Maximum Continuous Operating Voltage.
In - Nominal discharge current.

Dimensions in Inches (mm)

Specifications

150kA Electrical Specifications

Catalog Number	SCCR	In	MCOV	L-N	L-G	N-G	L-L	H-L	H-N	H-G
HBL3P150*	200 kA	20 kA	420/210/210/150	1200	1200	900	1800			
HBL4P150*	200 kA	20 kA	300/150/150/150	1000	1000	900	1500			
HBL5P150*	200 kA	20 kA	300/300	N/A	1500	N/A	1500			
HBL6P150*	200 kA	20 kA	840,420,420, 840, 840, 420,420	1800	1800	3000	3000	3000	1800	1800
HBL8P150*	200 kA	20 kA	8,40,42,04,20,275	1800	1800	1200	2500			
HBL9P150*	200 kA	20 kA	5,50,550	N/A	2000	N/A	2000			
HBL10P150*	200 kA	20 kA	9,20,46,04,60,420	1800	1800	1800	3000			

*Note: *Specification applies to both standard (S) and disconnect (SD) series.*
SCCR - Short Circuit Current Rating.
MCOV - Maximum Continuous Operating Voltage.
In - Nominal discharge current.

132kA Electrical Specifications

Catalog Number	In	MCOV	L-N	L-G	N-G	L-L	H-L	H-N	H-G
HBL3P132S	20 kA	420/210/210/150	700	700	700	1000			
HBL4P132S	20 kA	300/150/150/150	700	700	700	1000			
HBL5P132S	20 kA	300/300	N/A	1200	N/A	1800			
HBL6P132S	20 kA	840,420,420, 840, 840, 420,420	700	700	700	1000	3000	700	700
HBL8P132S	20 kA	8,40,42,04,20,275	1000	1200	1000	1800			
HBL9P132S	20 kA	5,50,550	N/A	1800	N/A	3000			
HBL10P132S	20 kA	9,20,46,04,60,420	1800	1800	1800	3000			

*Note: *Specification applies to both standard (S) and non-metallic (NM) series.*
SCCR - Short Circuit Current Rating (S versions have a 200kA SCCR and NM versions have a 150kA SCCR).
MCOV - Maximum Continuous Operating Voltage.
In - Nominal discharge current.

105kA Electrical Specifications

Catalog Number	In	MCOV	L-N	L-G	N-G	L-L	H-L	H-N	H-G
HBL3P105NM	20 kA	300, 150, 150,150	700	700	700	1000			
HBL4P105NM	20 kA	300, 150, 150,150	700	700	700	1000			
HBL5P105NM	20 kA	640, 320		N/A			3000	700	700
HBL6P105NM	20 kA	300,150, 150, 150, 470, 320, 320	700	700	700	1000			
HBL8P105NM	20 kA	6,40,32,03,20,320	1000	1200	1000	1800			
HBL9P105NM	20 kA	1100, 550	N/A	1800	N/A	3000			

Note: SCCR - Short Circuit Current Rating (S versions have a 200kA SCCR and NM versions have a 150kA SCCR).
MCOV - Maximum Continuous Operating Voltage.
In - Nominal discharge current.

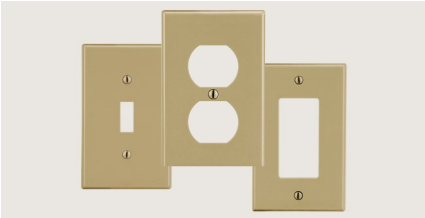
50kA Electrical Specifications

Catalog Number	SCCR	In	MCOV	L-N	L-G	N-G	L-L
HBL3P*50ALU	150 kA	20 kA	140, 140, 120	700	1200	1200	1200
HBL4PB50ALU	150 kA	20 kA	280, 140, 140, 120	700	120	120	N/A
HBL5PB50ALU	150 kA	20 kA	280, 280	N/A	1200	N/A	1200
HBL8PB50ALU	150 kA	20 kA	560, 320, 320, 280	1200	1500	1200	2500
HBL9PB50ALU	150 kA	20 kA	560, 560	N/A	1500	N/A	2500
HBL10PB50ALU	150 kA	20 kA	NOT UL	1200	1500	1200	2500
HBL11PB50ALU	150 kA	20 kA	690, 690	N/A	1800	N/A	3000

*Note: **Specification applies to both side wired (S) and back wired (B) options.*
SCCR - Short Circuit Current Rating.
MCOV - Maximum Continuous Operating Voltage.
In - Nominal discharge current.

Dimensions in Inches (mm)





Thermoplastic Wallplates



Snap-On Wallplates



While-In-Use Weatherproof Covers

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Snap-On Wallplates P-4
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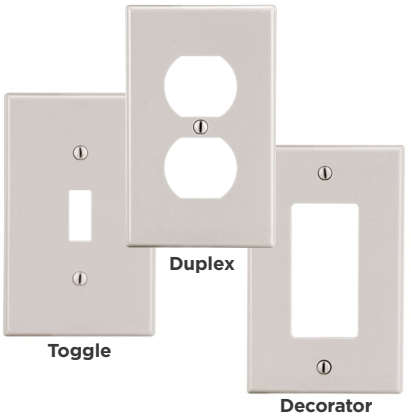
Features and Benefits

Hubbell's line of polycarbonate wallplates features larger standard sized wallplates to provide extra coverage to hide rough box openings, improved aesthetics, greater strength, impact resistance, along with easy to clean finish in all different types of environments.

- Standard size is 1/8 inch larger to give you extra coverage to hide rough box openings; also available in mid-size, jumbo and pre-marked
- Smooth satin finish, blends into the wall
- More rigid, sharper lines
- Captive screw feature holds mounting screw in place for quick and easy installation, single gang
- High-impact polycarbonate thermoplastic is virtually unbreakable
- Smooth, easy to clean finish is highly resistant to solvents and cleaning solutions, providing long life in the harshest environments
- cULus listed

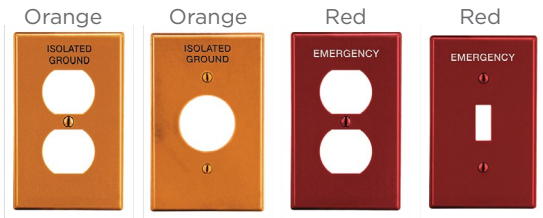


Hubbell's standard sized wallplates are 1/8 inch larger to provide you that extra coverage to hide rough box openings. The depth is 1/4 inch so that it will comfortably fit over the device even on imperfect installations or on retrofit work. See page P-30 for details and dimensions.

Non-metallic Wallplates



Non-metallic Pre-marked Wallplates



Metal Wallplates



Pre-Marked



Features and Benefits

Provide solutions for a variety of industrial and commercial applications.

302/304 Type Stainless Steel

Non-magnetic: 18.0% Chromium
8.0% Nickel

- Ideal for highly corrosive environments such as hospitals, food processing, static free requirements and more environments subjected to heavy abuse

430 Type Stainless Steel

Magnetic: 17.0% Chromium
Less than 0.5% Nickel

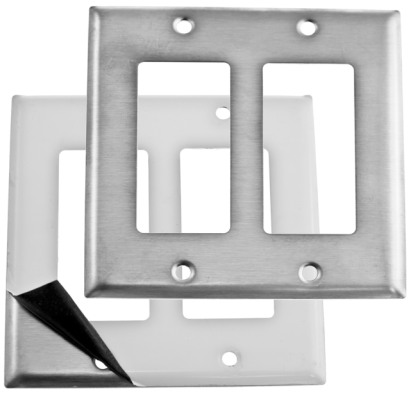
- Aesthetically identical to the 302/304 type stainless steel wallplates and are best suited for environments where corrosion resistance is less critical
- Standard commercial use

Smooth Solid Brass

- Provides a plush appearance with the durability of metal
- Finish is lacquer coated to inhibit oxidation

Anodized Aluminum

- Non-magnetic and corrosion resistance for a wide range of applications
- Finish is lacquer coated to inhibit oxidation



Decorator
(Protective plastic film helps to prevent scratches and damage)

Extra-Duty Metallic While-in-Use Covers

These covers are designed for use whenever protection is required while an outlet is in use. Covers meet or exceed the extra-duty rating per UL 514D, and are NEMA 3R rated.

- Die-cast aluminum construction
- Powder coated “chip resistant” paint corrosion protection
- Unique plug management provision for securing device and cord



2023 National Electrical Code (NEC®) Requirement

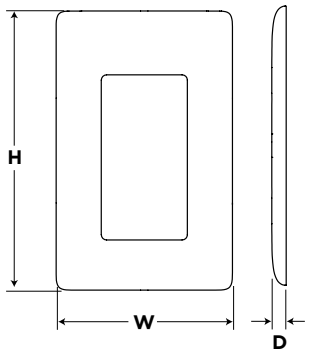
406.9 Receptacles in Damp or Wet Locations.
(B) Wet Locations
(1) Receptacles of 15 and 20 Amperes in a Wet Location.
Receptacles of 15 and 20 amperes, 125 and 250 volts installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be identified as “extra-duty.” Other listed products, enclosures, or assemblies providing weatherproof protection that do not utilize an outlet box hood need not be marked “extra-duty.”
All 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles shall be listed and so identified as weather-resistant type.
(2) Other Receptacles. All other receptacles installed in a wet location shall comply with 406.9(B)(2)(a) or (B)(2)(b).
(a) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.
(b) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.

Snap-On Screwless Wallplates

- Clean, elegant look
- No visible screws
- Snap-on wallplate completely covers sub-plate eliminating dirt build-up around the edges
- Snap-on wallplate hides any paint or scratches on sub-plate caused during installation
- Appearance is consistent with other Hubbell wallplates
- Meets UL and CSA standards

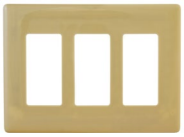
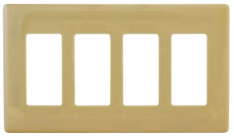


Snap-On Wallplate



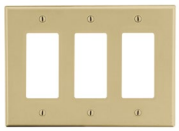
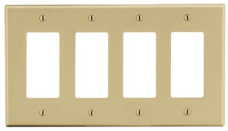
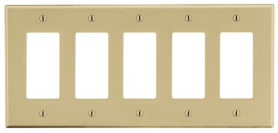
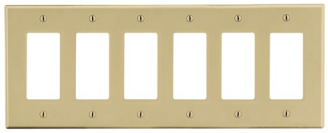
Gang	Height (H)	Width (W)	Depth (D)
1	4.75″ (120.6)	3.00″ (76.2)	.25″ (6.35)
2	4.75″ (120.6)	4.81″ (122.2)	.25″ (6.35)
3	4.75″ (120.6)	6.62″ (168.2)	.25″ (6.35)
4	4.75″ (120.6)	8.44″ (214.3)	.25″ (6.35)

Snap-On Screwless Wallplates

Description		Color	Decorator Catalog Number	Toggle Catalog Number
1-Gang, 1-Decorator 	1-Gang, 1-Toggle 	Ivory Light Almond White	**NPS26I** **NPS26LA** **NPS26W**	**NPS1I** **NPS1LA** **NPS1W**
2-Gang, 2-Decorator 	2-Gang, 2-Toggle 	Ivory Light Almond White	**NPS262I** **NPS262LA** **NPS262W**	**NPS2I** **NPS2LA** **NPS2W**
3-Gang, 3-Decorator 	3-Gang, 3-Toggle 	Ivory Light Almond White	**NPS263I** **NPS263LA** **NPS263W**	**NPS3I** **NPS3LA** **NPS3W**
4-Gang, 4-Decorator 		Ivory Light Almond White	**NPS264I** **NPS264LA** **NPS264W**	— — —
1-Gang, 1-Duplex 		Ivory Light Almond White	**NPS8I** **NPS8LA** **NPS8W**	— — —

Dimensions in Inches (mm)

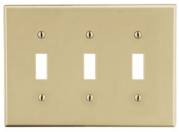
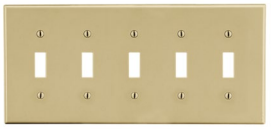
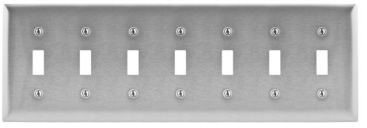
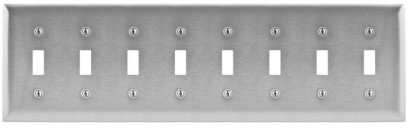
GFCI, USB, Surge Receptacles and Style Line Device Wallplates

Description	Thermoplastic				Metal	
	Color	Standard	Mid-Size	Jumbo	Material	Catalog Number
1-Gang, 1-Decorator. 	Black Blue Brown Gray Ivory Light Almond Red White	**P26BK** — **P26** **P26GY** **P26I** **P26LA** **P26R** **P26W**	**PJ26BK** **PJ26BL** **PJ26** **PJ26GY** **PJ26I** **PJ26LA** **PJ26R** **PJ26W**	— — — — **NPJJ26I** **NPJJ26LA** — **NPJJ26W**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① **SB26** **SBP26** **SCH26** **SS26** **SS26L**
2-Gang, 2-Decorator. 	Black Brown Gray Ivory Light Almond Red White	**P262BK** **P262** **P262GY** **P262I** **P262LA** **P262R** **P262W**	**PJ262BK** **PJ262** **PJ262GY** **PJ262I** **PJ262LA** **PJ262R** **PJ262W**	— — — — — — —	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① **SB262** **SBP262** **SCH262** **SS262** **SS262L**
3-Gang, 3-Decorator. 	Black Brown Gray Ivory Light Almond Red White	**P263BK** **P263** **P263GY** **P263I** **P263LA** **P263R** **P263W**	**PJ263BK** **PJ263** **PJ263GY** **PJ263I** **PJ263LA** — **PJ263W**	— — — — — — —	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① **SBP263** ① **SS263**
4-Gang, 4-Decorator. 	Black Brown Gray Ivory Light Almond White	**P264BK** **P264** **P264GY** **P264I** **P264LA** **P264W**	— — — **PJ264I** **PJ264LA** **PJ264W**	— — — — — —	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS264**
5-Gang, 5-Decorator. 	Gray Ivory Light Almond White	**P265GY** **P265I** **P265LA** **P265W**	— — — —	— — — —	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS265**
6-Gang, 6-Decorator. 	Black Brown Gray Ivory Light Almond White	**P266BK** **P266** **P266GY** **P266I** **P266LA** **P266W**	— — — — — —	— — — — — —	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS266**

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.
① Available as a custom wallplate, see pages P-32 to P-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

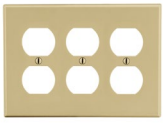
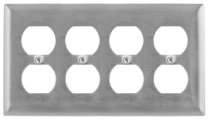
Toggle Switch Wallplates

Description	Thermoplastic				Metal	
	Color	Standard	Mid-Size	Jumbo	Material	Catalog Number
1-Gang, 1-Toggle. 	Black	P1BK	PJ1BK	—	Aluminum	SA1
	Brown	P1	PJ1	—	Brass	SB1
	Gray	P1GY	PJ1GY	—	Brass Plated	SBP1
	Ivory	P1I	PJ1I	NPJJ1I	Chrome	SCH1
	Light Almond	P1LA	PJ1LA	NPJJ1LA	S/S 302/304	SS1
	Red	P1R	PJ1R	—	S/S 430	SS1L
	White	P1W	PJ1W	NPJJ1W		
2-Gang, 2-Toggle. 	Black	P2BK	—	—	Aluminum	SA2
	Brown	P2	PJ2	—	Brass	SB2
	Gray	P2GY	PJ2GY	—	Brass Plated	SBP2
	Ivory	P2I	PJ2I	NPJJ2I	Chrome	SCH2
	Light Almond	P2LA	PJ2LA	NPJJ2LA	S/S 302/304	SS2
	Red	P2R	—	—	S/S 430	SS2L
	White	P2W	PJ2W	NPJJ2W		
3-Gang, 3-Toggle. 	Black	P3BK	—	—	Aluminum	①
	Brown	P3	—	—	Brass	SB3
	Gray	P3GY	PJ3GY	—	Brass Plated	—
	Ivory	P3I	PJ3I	—	Chrome	SCH3
	Light Almond	P3LA	PJ3LA	—	S/S 302/304	SS3
	Red	—	PJ3R	—	S/S 430	SS3L
	White	P3W	PJ3W	—		
4-Gang, 4-Toggle. 	Black	P4BK	—	—	Aluminum	①
	Brown	P4	—	—	Brass	SB4
	Gray	P4GY	—	—	Brass Plated	—
	Ivory	P4I	PJ4I	—	Chrome	①
	Light Almond	P4LA	PJ4LA	—	S/S 302/304	SS4
	White	P4W	PJ4W	—	S/S 430	—
5-Gang, 5-Toggle. 	Gray	P5GY	—	—	Aluminum	①
	Ivory	P5I	—	—	Brass	SB5
	Light Almond	P5LA	—	—	Brass Plated	①
	White	P5W	—	—	Chrome	①
					S/S 302/304	SS5
					S/S 430	—
6-Gang, 6-Toggle. 	Gray	P6GY	—	—	Aluminum	①
	Ivory	P6I	—	—	Brass	SB6
	Light Almond	—	—	—	Brass Plated	①
	White	P6W	—	—	Chrome	①
					S/S 302/304	SS6
					S/S 430	—
7-Gang, 7-Toggle. 					Aluminum	①
					Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	SS607
8-Gang, 8-Toggle. 					Aluminum	①
					Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	SS608
2-Gang, 1-Toggle. 					Aluminum	—
					Brass	—
					Brass Plated	—
					Chrome	—
					S/S 302/304	SS740

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.
① Available as a custom wallplate, see pages P-32 to P-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Duplex Receptacle Wallplates

Description	Thermoplastic				Metal	
	Color	Standard	Mid-Size	Jumbo	Material	Catalog Number
1-Gang, 1-Duplex. 	Black	**P8BK**	**PJ8BK**	—	Aluminum	**SA8**
	Blue	—	**PJ8BL**	—	Brass	**SB8**
	Brown	**P8**	**PJ8**	—	Brass Plated	**SBP8**
	Gray	**P8GY**	**PJ8GY**	—	Chrome	**SCH8**
	Ivory	**P8I**	**PJ8I**	**NPJJ8I**	S/S 302/304	**SS8**
	Light Almond	**P8LA**	**PJ8LA**	**NPJJ8LA**	S/S 430	**SS8L**
	Orange	**P8OR**	—	—		
	Red	**P8R**	**PJ8R**	—		
	White	**P8W**	**PJ8W**	**NPJJ8W**		
2-Gang, 2-Duplex. 	Black	**P82BK**	**PJ82BK**	—	Aluminum	**SA82**
	Brown	**P82**	—	—	Brass	**SB82**
	Gray	**P82GY**	**PJ82GY**	—	Brass Plated	**SBP82**
	Ivory	**P82I**	**PJ82I**	—	Chrome	**SCH82**
	Light Almond	**P82LA**	**PJ82LA**	—	S/S 302/304	**SS82**
	Orange	**P82OR**	—	—	S/S 430	**SS82L**
	Red	**P82R**	**PJ82R**	—		
	White	**P82W**	**PJ82W**	—		
3-Gang, 3-Duplex. 	Ivory	**P83I**	—	—	Aluminum	①
	White	**P83W**	—	—	Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	**SS83**
					S/S 430	—
4-Gang, 4-Duplex. 					Aluminum	①
					Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	**SS84**
					S/S 430	—
2-Gang, 1-Duplex. 					Brass	—
					Brass Plated	—
					Chrome	—
					S/S 302/304	**SS748**
					S/S 430	—

Single 15/20A Straight Blade or 15A Twist-Lock® Receptacle Wallplates

Description	Thermoplastic				Metal	
	Color	Standard	Mid-Size	Jumbo	Material	Catalog Number
1-Gang, 1-Single 1.40 in. (35.6) Dia. Hole. 	Black	**P7BK**	—	—	Aluminum	**SA7**
	Brown	**P7**	—	—	Brass	**SB7**
	Gray	**P7GY**	—	—	Brass Plated	**SBP7**
	Ivory	**P7I**	**PJ7I**	—	Chrome	**SCH7**
	Light Almond	**P7LA**	**PJ7LA**	—	S/S 302/304	**SS7**
	Red	**P7R**	—	—	S/S 430	**SS7L**
	White	**P7W**	**PJ7W**	—		
2-Gang, 1-Single 1.40 in. (35.6) Dia. Hole. 					Aluminum	—
					Brass	—
					Brass Plated	—
					Chrome	—
					S/S 302/304	**SS747**
					S/S 430	—
2-Gang, 2-Single 1.40 in. (35.6) Dia. Hole. 					Aluminum	①
					Brass	①
					Brass Plated	①
					Chrome	①
					S/S 302/304	**SS72**
					S/S 430	—

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

① Available as a custom wallplate, see pages P-32 to P-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Single 20/30A Twist-Lock® Receptacle Wallplates

Description		Thermoplastic			Metal	
		Color	Standard	Mid-Size	Material	Catalog Number
	1-Gang, 1-Single, 1.60 in. (40.6) Dia. Hole.	Black Brown Gray Ivory Red White	**P720BK** **P720** **P720GY** **P720I** **P720R** **P720W**	— — — — — —	Aluminum Brass Brass Plated Chrome S/S 302/304	— **SB720** ① ① **SS720**
	1-Gang, 1-Single, 1.74 in. (44.2) Dia. Hole.				Aluminum Brass Brass Plated Chrome S/S 302/304	— — — — **SS725**
	2-Gang, 1-Single, 1.60 in. (40.6) Dia.Hole.				Aluminum Brass Brass Plated Chrome S/S 302/304	— — — — **SS749**
	3-Gang, 2-Single, 1.60 in. (40.6) Dia. Hole.				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS320**

Single Receptacle Wallplates

Description		Thermoplastic			Metal	
		Color	Standard	Mid-Size	Material	Catalog Number
	1-Gang, 1-Single, 1.97 in. (50.0) Dia. Hole.				Aluminum Brass Chrome S/S 302/304	— — — **SS737**
	1-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole.	Black Ivory White	**P724BK** **P724I** **P724W**	**PJ724BK** **PJ724I** **PJ724W**	Aluminum Brass Brass Plated Chrome S/S 302/304	— ① ① **SCH723** **SS723**
	2-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole.				Aluminum Brass Chrome S/S 302/304	— — — **SS702**
	2-Gang, 1-Single, 2.16 in. (54.9) Dia. Hole.	Black Ivory White	**P703BK** **P703I** **P703W**	**PJ703BK** **PJ703I** **PJ703W**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	— — — — **SS703** **SS703L**
	2-Gang, 1-Single, 2.48 in. (63.0) Dia. Hole.				Aluminum Brass Chrome S/S 302/304	— — — **SS701**
	2-Gang, 1-Single, 2.66 in. (67.6) Dia. Hole.				Aluminum Brass Chrome S/S 302/304	— — — **SS716**

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

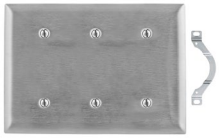
① Available as a custom wallplate, see pages P-32 to P-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Blank Wallplates, Box Mount

Description	Thermoplastic				Metal	
	Color	Standard	Mid-Size	Jumbo	Material	Catalog Number
1-Gang, 1-Blank, Box Mount. 	Black Brown Gray Ivory Light Almond White	**P13BK** **P13** **P13GY** **P13I** **P13LA** **P13W**	**PJ13BK** **PJ13** **PJ13GY** **PJ13I** **PJ13LA** **PJ13W**	— — — **NPJJ13I** **NPJJ13LA** **NPJJ13W**	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	**SA13A** **SB13** — **SCH13** **SS13** **SS13L**
2-Gang, 2-Blank, Box Mount. 	Black Brown Gray Ivory Light Almond White	**P23BK** **P23** **P23GY** **P23I** **P23LA** **P23W**	— **PJ23** — **PJ23I** **PJ23LA** **PJ23W**	— — — — — —	Aluminum Brass Brass Plated Chrome S/S 302/304	**SA23** **SB23** ① **SCH23** **SS23**
3-Gang, 3-Blank, Box Mount. 	Ivory White	**P33I** **P33W**	— —	— —	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS33**
4-Gang, 4-Blank, Box Mount. 	Ivory White	**P43I** **P43W**	— —	— —	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS43**

Blank Wallplates, Strap Mount

Description	Thermoplastic				Metal	
	Color	Standard	Mid-Size	Jumbo	Material	Catalog Number
1-Gang, 1-Blank, Strap Mount. 	Black Brown Gray Ivory Light Almond Red White	**P14BK** **P14** **P14GY** **P14I** — **P14R** **P14W**	— — — — — — —	— — — — — — —	Aluminum Brass Brass Plated Chrome S/S 302/304	① **SB14** ① ① **SS14**
2-Gang, 2-Blank, Strap Mount. 	Black Brown Gray Ivory Light Almond Red White	**P24BK** **P24** **P24GY** **P24I** — **P24R** **P24W**	— — — — — — —	— — — — — — —	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS24**
3-Gang, 3-Blank, Strap Mount. 					Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS34**

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

① Available as a custom wallplate, see pages P-32 to P-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

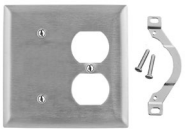
Combination Wallplates, 2-Gang

Description	Thermoplastic			Metal	
	Color	Standard	Mid-Size	Material	Catalog Number
2-Gang, 1-Toggle, 1-Duplex. 	Brown Gray Ivory Light Almond White	**P18** **P18GY** **P18I** **P18LA** **P18W**	— **PJ18GY** **PJ18I** **PJ18LA** **PJ18W**	Aluminum Brass Brass Plated Chrome S/S 302/304	① **SB18** — **SCH18** **SS18**
2-Gang, 1-Duplex, 1-Decorator. 	Black Brown Gray Ivory Light Almond White	— **P826** **P826GY** **P826I** **P826LA** **P826W**	— **PJ826** **PJ826GY** **PJ826I** **PJ826LA** **PJ826W**	Aluminum Brass Brass Plated Chrome S/S 302/304	① **SB826** ① ① **SS826**
2-Gang, 1-Toggle, 1-Decorator. 	Black Brown Gray Ivory Light Almond White	**P126BK** **P126** **P126GY** **P126I** **P126LA** **P126W**	— **PJ126** **PJ126GY** **PJ126I** **PJ126LA** **PJ126W**	Aluminum Brass Brass Plated Chrome S/S 302/304	① **SB126** — ① **SS126**
2-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole, 1-Duplex. 	Ivory White	**P78I** **P78W**	— —	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS78**
2-Gang, 1-Single Receptacle 1.60 in. (40.6) Hole, 1-Duplex. 				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS8720**
2-Gang, 1-Toggle, 1-Blank Box Mount. 	Brown Gray Ivory Light Almond White	— **P113GY** **P113I** **P113LA** **P113W**	— — **PJ113I** — **PJ113W**	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS113**
2-Gang, 1-Toggle, 1-Blank Strap Mount. 				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS114**
2-Gang, 1-Blank, 1-Decorator Box Mount. 	Black Gray Ivory Light Almond White	**P1326BK** **P1326GY** **P1326I** **P1326LA** **P1326W**	— — **PJ1326I** **PJ1326LA** **PJ1326W**	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS1426***

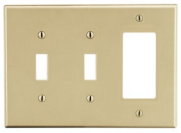
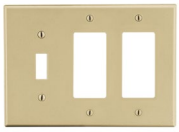
Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.
① Available as a custom wallplate, see pages P-32 to P-34. Consult custom wallplates section for additional openings and combinations.
**Strap Mount.*

Dimensions in Inches (mm)

Combination Wallplates, 2-Gang

Description	Thermoplastic			Metal	
	Color	Standard	Mid-Size	Material	Catalog Number
2-Gang, 1-Blank, 1-Duplex, Box Mount. 	Gray Ivory Light Almond White	**P138GY** **P138I** **P138LA** **P138W**	— — — —	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS138**
2-Gang, 1-Blank, 1-Duplex, Strap Mount. 				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS148**

Combination Wallplates, 3-Gang

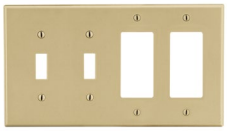
Description	Thermoplastic			Metal	
	Color	Standard	Mid-Size	Material	Catalog Number
3-Gang, 2-Toggle, 1-Duplex. 	Brown Gray Ivory Light Almond White	— **P28GY** **P28I** **P28LA** **P28W**	— — **PJ28I** **PJ28LA** **PJ28W**	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① ①
3-Gang, 2-Toggle, 1-Decorator. 	Black Brown Gray Ivory Light Almond White	**P226BK** **P226** **P226GY** **P226I** **P226LA** **P226W**	— — — **PJ226I** **PJ226LA** **PJ226W**	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS226**
3-Gang, 1-Toggle, 2-Decorator. 	Ivory Light Almond White	**P1262I** **P1262LA** **P1262W**	— — —	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① ①

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.

① Available as a custom wallplate, see pages P-32 to P-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

Combination Wallplates, 4-Gang

Description	Thermoplastic			Metal	
	Color	Standard	Mid-Size	Material	Catalog Number
4-Gang, 3-Toggle, 1-Decorator. 	Black Brown Gray Ivory Light Almond White	**P326BK** **P326** **P326GY** **P326I** **P326LA** **P326W**	— — — — — —	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS326**
4-Gang, 2-Toggle, 2-Decorator. 	Ivory Light Almond White	**P2262I** **P2262LA** **P2262W**	— — —	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① ①

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.
① Available as a custom wallplate, see pages P-32 to P-34. Consult custom wallplates section for additional openings and combinations.

Specifications

Listings

Non-metallic Wallplates Metallic Wallplates Certification.	UL Standard 514D UL Files #E31999,E92074 CSA Standard C22.2 No. 42.1 CSA File 1733174

Product	Thickness	Mounting Screw(s)	Appearance
Thermoplastic Wallplate.	.07 in. (1.8)	Steel (painted slotted screw head)	Smooth satin finish
302/304 Stainless Steel Wallplate (18% Chromium, 8% Nickel).	.035 in. (0.9) nominal	302/304 stainless steel (18% chromium, 8% nickel). Slotted screw head.	Horizontal brushed finish
430 Stainless Steel Wallplate (17% Chromium, less than 0.5% Nickel) .	.035 in. (0.9) nominal	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.	Horizontal brushed finish
Brass Wallplate (70% Copper, 30% Zinc).	.04 in. (1.0)	Brass (70% Coppper,30% Zinc) Slotted screw head.	Horizontal brushed finish
Aluminum Wallplate.	.05 in. (1.3)	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.	Horizontal brushed finish
Brass Plated Steel Wallplate.	.03 in. (0.8) nominal	Brass slotted head.	Polished, coated to inhibit oxidation
Chrome Plated Steel Wallplate.	.03 in. (0.8) nominal	302/304 stainless steel (17% chromium, less than 0.5% nickel). Slotted screw head.	Polished, coated to inhibit oxidation
Steel Painted Wallplate.	.03 in. (0.8) nominal	Steel (painted slotted screw head).	Powder coat paint

Dimensions in Inches (mm)

Telephone and Coaxial Wallplates

Description	Thermoplastic			Metal	
	Color	Standard	Mid-Size	Material	Catalog Number
1-Gang, 1-Tel Thermoplastic .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Box Mount. 	Ivory Light Almond White	**P11I** **P11LA** **P11W**	**PJ11I** **PJ11LA** **PJ11W**	Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS11***
1-Gang, 1-Tel Thermoplastic .406 in. (10.3) Hole, Metal .640 in. (16.3) Hole, Strap Mount 				Aluminum Brass Brass Plated Chrome S/S 302/304	① — — — **SS12***
1-Gang, 1-Tel .625 in. (15.9) Hole, Box Mount. 	Ivory White	**P737I** **P737W**	— —	Aluminum Brass Brass Plated Chrome S/S 302/304	— — — — —
1-Gang, 1-Tel .380 in. (9.7) Hole, Box Mount. 				Aluminum Brass Brass Plated Chrome S/S 302/304	① ① ① ① **SS739**
1-Gang, 1-Tel .380 in. (9.7) Hole, Strap Mount. 				Aluminum Brass Brass Plated Chrome S/S 302/304, S/S 430	① ① ① ① **SS738**

Note: Thermoplastic wallplates feature pre-inserted captive screws for faster assembly in single gang configurations.
① Available as a custom wallplate, see pages P-32 to P-34. Consult custom wallplates section for additional openings and combinations.
**.50" (12.7) I.D. nylon bushing provided.*

Louver Wallplate, 1-Gang, Box Mount

Description	Thermoplastic			Metal	
	Color	Standard	Mid-Size	Material	Catalog Number
1-Gang, Vertical Mounted Louver. 				Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	① — — ① **SS771** —

Note: ① Available as a custom wallplate, see pages P-32 to P-34. Consult custom wallplates section for additional openings and combinations.

Dimensions in Inches (mm)

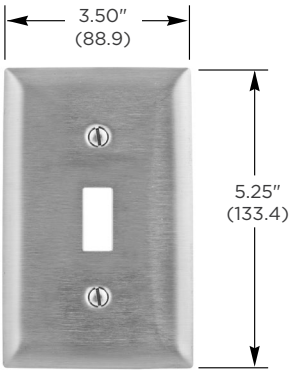
Jumbo, Smooth, Stainless Steel Wallplates

Jumbo, Smooth, Stainless Steel Type 302/304 Wallplates

Configuration	Catalog Number	Configuration	Catalog Number
1-Gang, 1-Toggle. 	**SSJ1**	2-Gang, 2-Toggle 	**SSJ2**
1-Gang, 1-Duplex. 	**SSJ8**	2-Gang, 2-Duplex 	**SSJ82**
1-Gang, 1-Decorator. 	**SSJ26**	2-Gang, 2-Decorator 	**SSJ262**
1-Gang, 1-Single Receptacle for 1.36–1.39 in. (34.5–35.3) Dia. Face. 	**SSJ7**	2-Gang, 1-Toggle, 1-Duplex 	**SSJ18**
1-Gang, 1-Single Receptacle for 2.09–2.13 in. (53.1–54.1) Dia. Face. 	**SSJ723**	2-Gang, 1-Toggle, 1-Decorator 	**SSJ126**
1-Gang, 1-Blank, Box Mount. 	**SSJ13**	2-Gang, 2-Blank, Box Mount 	**SSJ23**
1-Gang, 1-Telephone opening, .640 in. (16.3) Box Mount. 	**SSJ11***		

*Note: *.50 in. (12.7) I.D. nylon bushing provided.*
Specifications are subject to change without notice.

Oversize dimensions (see page P-30 for more details).
1-Gang, 5.25 in. x 3.50 in. (133.4 x 88.9).
2-Gang, 5.25 in. x 5.31 in. (133.4 x 134.9).



Jumbo Wallplate

Dimensions in Inches (mm)

Pre-Marked "EMERGENCY" Wallplates

Description	Thermoplastic			Metal	
	Color	Standard	Mid-Size	Material	Catalog Number
1-Gang, 1-Duplex, Paint Filled White Lettering. 	Red	—	**PJ8RMEV**	Aluminum Brass Brass Plated Chrome S/S 302/304	— — — — **SS8MEV**
1-Gang, 1-Toggle, Paint Filled White Lettering. 	Red	—	**PJ1RME**	Aluminum Brass Brass Plated Chrome S/S 302/304	— — — — **SS1ME**
2-Gang, 2 Duplex, Paint Filled Red Lettering 				Aluminum Brass Brass Plated Chrome S/S 302/304	— — — — **SS82MEV**

Note: See page P-30 for Mid-Size wallplate dimensions.
All lettering .25 in. (6.3) high.

Pre-Marked "ISOLATED GROUND" Wallplates

Description	Thermoplastic			Metal	
	Color	Standard	Mid-Size	Material	Catalog Number
1-Gang, 1-Duplex, Paint Filled Black Lettering. 	Orange	**P8OIG**	—	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	— — — — — —
1-Gang, 1-Single Receptacle 1.40 in. (35.6) Hole for 1.36–1.39 in. (34.5–35.3) Dia. Face, Paint Filled Black Lettering. 	Orange	**P7OIG**	—	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	— — — — — —
1-Gang, 1-Single Receptacle 1.60 in. (40.6) Hole for 20 and 30A Twist-Lock® with 1.55–1.58 in. (39.4–40.1) Dia. Face, Paint Filled Black Lettering. 	Orange	**P720OIG**	—	Aluminum Brass Brass Plated Chrome S/S 302/304 S/S 430	— — — — — —

Dimensions in Inches (mm)

Stainless Steel Barrel Key Switch Wallplates



Stainless Steel Barrel Key Switch Wallplates

Description	1-Gang, with on/off markings	1-Gang, with position markings	2-Gang, with on/off markings	2-Gang, with position markings
Stainless Steel, 302/304, smooth.	SS12RKL 	SS12RKLM 	SS22RKL 	SS22RKLM 

Note: See page E-3 for barrel key switch selection.

Single Count Screws and Accessories

Description	Catalog Number
Stainless steel screw, standard slot, .38 in. (9.7) long.	HBL7341SS
Security spanner head screws, 6-32 thread, 100 count.	HBL7342RKL
Screwdriver with spanner head security bit.	HBL7372RKL



HBL7341SS



HBL7342RKL



HBL7372RKL

Dimensions in Inches (mm)

1-Gang Security Wallplates, White

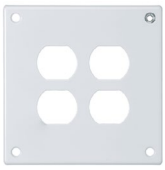
Description	Catalog Number
1-Toggle Switch.	SWP1
1-Duplex Receptacle.	SWP8
1-GFCI/Style Line® Opening.	SWP26
1-Telephone or TV Opening .640 in. (16.3).	SWP12
1-Blank.	SWP13


SWP1


SWP8

2-Gang Security Wallplates, White

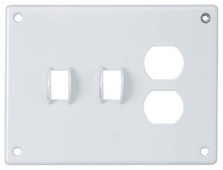
Description	Catalog Number
2-Toggle Switches.	SWP2
2-Duplex Receptacles.	SWP82
1-Toggle switch, 1-Duplex Receptacle.	SWP18
2-GFCI/Style Line® Openings.	SWP262
1-Toggle switch, 1-GFCI/Style Line® Opening.	SWP126
1-Duplex Receptacle, 1-Telephone or TV.	SWP812
1-Duplex Receptacle, 1-Blank.	SWP813
2-Blank.	SWP23


SWP82


SWP18

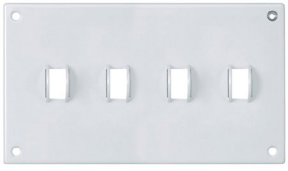
3-Gang Security Wallplates, White

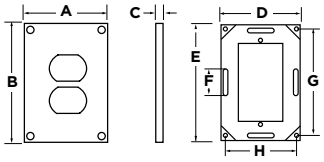
Description	Catalog Number
3-Toggle Switches.	SWP3
2-Toggle Switches, 1-Duplex Receptacle.	SWP28
3-GFCI/Style Line® Openings.	SWP263


SWP28

4-Gang Security Wallplates, White

Description	Catalog Number
4-Toggle Switches.	SWP4


SWP4



Dimensions

Description	A	B	C	D	E	F	G	H
1-Gang	3.77″ (95.8)	5.52″ (140.2)	.55″ (14.0)	3.37″ (85.6)	5.13″ (130.3)	1.00″ (25.4)	4.63″ (117.6)	2.88″ (73.2)
2-Gang	5.52″ (140.2)	5.52″ (140.2)	.55″ (14.0)	5.13″ (130.3)	5.13″ (130.3)	1.00″ (25.4)	4.63″ (117.6)	4.63″ (117.6)
3-Gang	7.39″ (187.7)	5.52″ (140.2)	.55″ (14.0)	7.00″ (177.8)	5.13″ (130.3)	1.00″ (25.4)	4.63″ (117.6)	6.50″ (165.1)
4-Gang	9.20″ (233.7)	5.56″ (141.2)	.55″ (14.0)	8.75″ (222.3)	5.13″ (130.3)	1.00″ (25.4)	4.63″ (117.6)	8.30″ (210.8)

Specifications

Tamper-resistant wallplate 1-gang duplex receptacle shall be of the following construction:

Wallplate: One piece #14 cold rolled zinc plated steel. Wallplate shall have a five stage baked white polyester powder enamel finish. Gloss: 85%; reflectance: 93%; hardness minimum: 2H and pass 600 hour salt spray test.

Back sub-plate: #10 cold rolled galvanized steel. Sub-plate assembly shall use four (4) #8-32 X 1/2 inch stainless steel T-15 TORX® head screws with center pin reject. Sub-plate must be UL listed to UL 514D and comply with the NEC®.

TORX® is a registered trademark of Textron Inc.
NEC® is a registered trademark of the The National Electrical Code.

Dimensions in Inches (mm)

Brass Locking Cover Plate & Weather Shield Wallplate

Brass Locking Cover Plate

Description	Catalog Number
Locking cover plate for single 15 and 20A straight blade receptacles and 15A Twist-Lock® receptacles. Straight cylinder type lock. All cylinder locks keyed alike.	HBL96067

Weather Shield Wallplate

Description	Catalog Number
20° angle wallplate for duplex receptacles.	HBL6187



HBL96067
Shown with receptacle (sold separately)



HBL6187
Shown with receptacle and back box (sold separately)

Catalog Number of Receptacles in Groups A through E below

Group A		Group B			Group C	Group D	Group E
Boss diameter 1.36" to 1.39" (34.5 to 35.3)		Boss diameter 1.55" to 1.58" (39.4 to 40.1)			Boss diameter 1.68" to 1.72" (42.7 to 43.7)	Boss diameter 2.09" to 2.13" (53.1 to 54.1)	Boss diameter 2.28" to 2.44" (57.9 to 62.0)
HBL23000HG	HBL5661	HBL23CM10	HBL2530	HBL2770	HBL45105	HBL7962	HBL7301A
HBL23030	HBL6810	HBL2310	HBL26CM10	HBL2810	HBL45205	HBL9350	HBL8330A
HBL4560	HBL7210B	HBL2320	HBL2610	HBL2820	HBL45305	HBL9308	HBL8350A
HBL4710	HBL7250	HBL2330	HBL2620	HBL2830	HBL45905	HBL9315	HBL8430A
HBL4760	HBL7310B	HBL2340	HBL2630	HBL3330		HBL9330	HBL8450A
HBL5251	HBL7310BG	HBL2410	HBL2640	HBL3330G		HBL9360•	HBL8460A
HBL52CM61	HBL7535	HBL2420	HBL2650	HBL3430		HBL9365•	HBL9430A
HBL5261	HBL7582	HBL2430	HBL2710	HBL3430G		HBL9367•	HBL9450A
HBL53CM61	HBL8210	HBL2440	HBL2720	HBL3520			HBL9460A
HBL5361	HBL8310	HBL2450	HBL2730	HBL7410B			
HBL5461	HBL8410	HBL2460	HBL2740	HBL7410BG			
HBL5552B	HBL8420	HBL2510	HBL2750				
		HBL2520	HBL2760				

Note: •50A 2P 3W.

Wallplates for Single Receptacles

Description	Group A		Group B		Group C		Group D		Group E
	Boss diameter 1.36" to 1.39" (34.5 to 35.3)		Boss diameter 1.55" to 1.58" (39.4 to 40.1)		Boss diameter 1.68" to 1.72" (42.7 to 43.7)		Boss diameter 2.09" to 2.13" (53.1 to 54.1)		Boss diameter 2.28" to 2.44" (57.9 to 62.0)
	1-Gang	2-Gang	1-Gang	2-Gang	1-Gang	2-Gang	1-Gang	2-Gang	2-Gang
Smooth Thermoplastic.	P7*	—	P720*	—	—	—	P724*	P703*	—
Cast Aluminum.	HBL7320	—	HBL7320	—	HBL3394	—	HBL9419	—	—
Stainless Steel, 302/304, Smooth.	SS7**	SS72	SS720	—	SS725	—	SS723	SS703	SS701

*Note: *See pages P-7 and P-8 for complete wallplate descriptions.*
***Catalog number indicated is Stainless Steel, replace "SS" with the following prefix to designate material: "SA" for Anodized Aluminum, "SB" for Solid Brass.*

Weatherproof Lift Covers for WDL "Closed" and WDL "Open", Wet Locations, 1-Gang

Description	Group A	Group B	Group C	Group D		
	Boss diameter 1.36" to 1.39" (34.5 to 35.3)	Boss diameter 1.55" to 1.58" (39.4 to 40.1)	Boss diameter 1.68" to 1.72" (42.7 to 43.7)	Boss diameter 2.09" to 2.13" (53.1 to 54.1)	50A Twist-Lock® Receptacles	30A 4W Hubbellock® Receptacles
THERMOPLASTIC, with COVER "OPEN", GRAY.	HBL7423WO	HBL7425WOA	HBL7424WO	—	HBL7774WO△	—
THERMOPLASTIC, with COVER "OPEN", YELLOW.	HBL74CM23WO	HBL74CM25WOA	HBL74CM24WO	—	HBL77CM74WO△	—
CAST ALUMINUM, with COVER "CLOSED".	HBL7420	HBL7420	HBL3393	HBL9420 HBL9425•	HBL7770	HBL20405† HBL20446†

Note: •50A 2P 3W.
△The "CS" versions of 50A Twist-Lock® receptacles will only fit these thermoplastic wallplates.
†HBL20446 wallplate painted red for use with HBL20443 only. HBL20405 wallplate is for use with HBL20403 only. See page C-65 for devices.

Dimensions in Inches (mm)

IP44 SUITABILITY

Weatherproof Thermoplastic Cover For Flanged Inlets and Flanged Receptacles

Description	Catalog Number
For use with 15 and 20A, 2 pole, 2 wire and 2 pole, 3 wire Insulgrip® flanged inlets and flanged receptacles below.	WP1



Straight Blade, 2 pole, 3 wire

Flanged Inlets		Flanged Receptacles	
	HBL5278C HBL5378C HBL5478C HBL5678C		HBL5279C HBL5379C HBL5479C HBL5679C



Twist-Lock®, 2 pole, 2 wire and 2 pole, 3 wire

Flanged Inlets		Flanged Receptacles	
	HBL8815C HBL7524C HBL4716C HBL4586C HBL4786C		HBL8809C HBL7526C HBL4715C HBL4585C HBL4785C

Weatherproof Thermoplastic Cover For Flanged Inlets and Flanged Receptacles

Description	Catalog Number
For use with 20 and 30A, 3, 4, and 5 wire Insulgrip flanged inlets and flanged receptacles below.	WP2



WP1

Twist-Lock®, 2 pole, 3 wire; 3 pole, 4 wire; 4 pole, 4 wire; 4 pole, 5 wire Flanged Inlets

	HBL2315 HBL2325 HBL2335 HBL2345 HBL2355 HBL2415 HBL2425 HBL2435	HBL2445 HBL2455 HBL2465 HBL2515 HBL2525 HBL2535 HBL2615 HBL2625	HBL2635 HBL2645 HBL2655 HBL2715 HBL2725 HBL2735 HBL2745 HBL2755	HBL2765 HBL2775 HBL2815 HBL2825 HBL2835 HBL3325C HBL3334C HBL7408C



WP2

Flanged Receptacles

	HBL2316 HBL2326 HBL2336 HBL2346 HBL2356 HBL2416 HBL2426 HBL2436	HBL2446 HBL2456 HBL2466 HBL2516 HBL2526 HBL2536 HBL2616 HBL2626	HBL2636 HBL2646 HBL2656 HBL2716 HBL2726 HBL2736 HBL2746 HBL2756	HBL2766 HBL2776 HBL2816 HBL2826 HBL2836 HBL3326C HBL3335C HBL7409C

Weatherproof Thermoplastic Cover For Flanged Inlets 50 Amp CS Series

Description	Catalog Number
For use with 50A locking inlets with trimmed sides only.	HBL7780



HBL7780

Dimensions in Inches (mm)

IP44 SUITABILITY

Weatherproof Covers for Receptacles with Face Dia. of 2.28–2.44 in. (57.9–62.0)

Description	Catalog Number
Thermoplastic, 2-gang, wet and damp locations with cover "closed", gray.	HBL7777A△
Thermoplastic, 2-gang, wet and damp locations with cover "closed", yellow.	HBL77CM77A△


HBL7777A

Weatherproof Covers for Receptacles with Face Dia. of 2.09–2.13 in. (53.1–54.1)

Description	Catalog Number
Cast aluminum, wet locations only when cover "closed" and damp locations.	HBL9420
Cast aluminum, no lift cover. NOT weatherproof.	HBL9419


HBL9420

Weatherproof Covers for 50A Twist-Lock® Single Receptacles

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7774WO*
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL77CM74WO*
Cast aluminum, wet locations only when cover "closed" and damp locations.	HBL7770
Stainless steel, single gang, wallplate. NOT weatherproof.	SS750†


HBL7774WO

Weatherproof Covers for 30A, 4 Wire Hubbellock® Receptacles

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7428WOG*
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL7428WOY*
Thermoplastic, wet and damp locations with cover "open", red.	HBL7428WOR*
Cast aluminum, wet locations only when cover "closed" and damp locations, lift cover plate.	HBL20405
Cast aluminum, wet locations only when cover "closed" and damp locations, red finish.	HBL20446
Cast aluminum, no lift cover. NOT weatherproof.	HBL20406


HBL7770

Note: △Will fit FS/FD boxes having wallplate mounting holes on 3.25 in. x 3.75 in. (82.6 x 95.3) centers.
†Will only fit old style porcelain face devices.
**The "CS" versions of 50A Twist-Lock® will only fit these wallplates.*
***IP20 Suitability.*

Weatherproof Covers for Single Receptacles on FS/FD Boxes

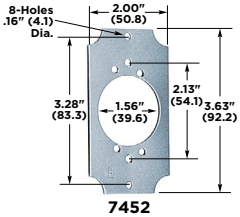
All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.

Accessories

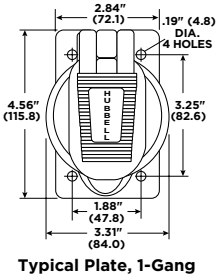
Description	Catalog Number
Sub-plate for mounting and weatherproofing flanged devices with mounting centers of 1.76", 1.94" or 2.13" such as HBL7556, HBL4716, etc. when used with a HBL7420 or HBL7425WOA type weatherproof covers.	7452•
Adapter plate for mounting HBL7423WO, HBL7424WO, HBL7425WOA or HBL7420 covers to standard boxes.	HBL7349•

Note: •Not UL Listed.

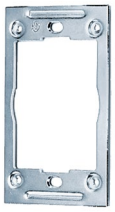

HBL20405



7452



Typical Plate, 1-Gang


HBL7349

Dimensions in Inches (mm)

IP44 SUITABILITY

Weatherproof Covers for Receptacles with Face Dia. of 1.36–1.39 in. (34.5–35.3)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7423WO
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL74CM23WO
Cast aluminum, wet location only when cover "closed" and damp locations.	HBL7420
Cast aluminum, no lift cover, NOT weatherproof.	HBL7320†


HBL7423WO

Weatherproof Covers for Switches & Receptacles with Face Dia. of 1.55–1.58 in. (39.4–40.1)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7425WOA
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL74CM25WOA
Thermoplastic, wet and damp locations with cover "open", white.	HBL74CM25WOAW
Cast aluminum, wet and damp locations with cover "closed."	HBL7420*
Cast aluminum, no lift cover, NOT weatherproof.	HBL7320†
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7428WOG**
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL7428WOY**
Thermoplastic, wet and damp locations with cover "open", red.	HBL7428WOR**


HBL7425WOA

Weatherproof Covers for Receptacles with Face Dia. of 1.68–1.72 in. (42.7–43.7)

Description	Catalog Number
Thermoplastic, wet and damp locations with cover "open", gray.	HBL7424WO
Thermoplastic, wet and damp locations with cover "open", yellow.	HBL74CM24WO
Cast aluminum, wet location only when cover "closed" and damp locations.	HBL3393
Cast aluminum, no lift cover, NOT weatherproof.	HBL3394†


HBL7420

*Note: *Cast aluminum lift cover with fibershield for standard toggle and PresSwitch® Switches.*
***Features two #6-32 threaded inserts to back mount device to cover.*
†IP20 Suitability.
All weatherproof lift cover plates on this page are UL Listed as "WDL Closed" for use in wet locations with cover closed and in damp locations.


HBL7320

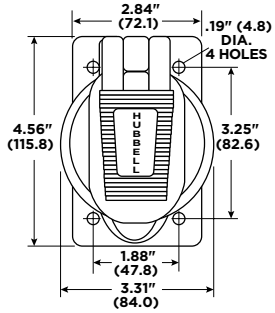
Weatherproof Covers for Single Receptacles on FS/FD Boxes

All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All plates are gasketed and self-closing.


HBL7424WO

2023 National Electrical Code (NEC®) Requirement

406.9 Receptacles in Damp or Wet Locations.
(B) Wet Locations
(1) Receptacles of 15 and 20 Amperes in a Wet Location.
Receptacles of 15 and 20 amperes, 125 and 250 volts installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. An outlet box hood installed for this purpose shall be identified as "extra-duty." Other listed products, enclosures, or assemblies providing weatherproof protection that do not utilize an outlet box hood need not be marked "extra-duty."
All 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles shall be listed and so identified as weather-resistant type.
(2) Other Receptacles. All other receptacles installed in a wet location shall comply with 406.9(B)(2)(a) or (B)(2)(b).
(a) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.
(b) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed.



Typical Plate, 1-Gang


HBL3393

Dimensions in Inches (mm)

Weatherproof Wallplates and Covers

IP44 SUITABILITY

Weatherproof Wallplates

Description	Catalog Number
Clear bubble wallplate, silicone rubber for use with all general purpose AC toggle and PresSwitch® switches. Fits both FS/FD and standard boxes.	**HBL1795**
Gray neoprene PresSwitch® wallplate. Fits FS/FD and standard boxes.	**HBL1750***
Same as above except yellow.	**HBL17CM50***
Gray neoprene PresSwitch® wallplate with 125V red pilot light. Fits only FS/FD boxes.	**HBL1785***
Same as above except yellow.	**HBL17CM85***

*Note: *Not UL Listed.*



HBL1795



HBL1750



HBL1785

Weatherproof Covers

Description	Catalog Number
Cast aluminum lift cover with fiber shield. For standard toggle and PresSwitch® switches. Fits only FS/FD boxes.	**HBL7420**



HBL7420

Brass Locking Covers Attachment for Switches

Description	Catalog Number
Straight keying (all locks alike) appropriate for most applications. Straight cylinder type lock, each HBL96061 ordered operates on the same key. All locks are keyed alike.	**HBL96061***
Same as above except in dull chrome finish to match stainless steel wallplates.	**HBL96061DCH***
Straight keying (individual). Straight cylinder type lock, each HBL96062 ordered operates on a different key. All locks are keyed differently and individually. This type cannot be master keyed.	**HBL96062***

Note: *Not UL Listed or CSA Certified.



HBL96061
Shown with cover and switch (sold separately)

Locking Device

Description	Catalog Number
Locking device for weatherproof covers.	**HBLWLC**



HBLWLC

Dimensions in Inches (mm)

Duplex Covers For Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL5221**
Thermoplastic, yellow, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL52CM21**
Thermoplastic, white, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL52CM21W**
Thermoplastic, gray, for device mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL5222**
Thermoplastic, yellow, for device mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL52CM22**


HBL5221

Duplex Covers For Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Cast aluminum, for device mounting.	2.88" x 4.56" x 0.79" (73.2 x 115.8 x 20.1)	**HBL5205WO**
Cast aluminum, for FS/FD box mounting.	2.88" x 4.56" x 0.79" (73.2 x 115.8 x 20.1)	**HBL5206WO**


HBL5206WO

GFCI, Surge and Style Line® Covers

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.84" x 1.27" (115.8 x 72.2 x 32.3)	**HBL5226**


HBL5226

Toggle Cover

Description	Dimensions Height x Width x Depth	Catalog Number
Thermoplastic, gray, for FS/FD box mounting.	4.56" x 2.89" x 1.08" (115.8 x 73.4 x 27.4)	**HBL5201**

Note: All weatherproof covers are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. Those with suffix "WO" are listed for WET LOCATIONS with cover open in continuous use. All cover plates are gasketed and self-closing.


HBL5201

Dimensions in Inches (mm)

Weatherproof Metallic While-In-Use Covers

Features and Benefits

The NEMA 3R Rated EXTRA DUTY® Metallic and Non-metallic While-in-Use Covers offer weather protection for outlets when they are in use.

- Patented keyhole mounting system allows installation in under a minute
- Pre-configured for GFCI with patented technology for alternate devices
- Lockable tab for OSHA compliance
- Sealed-in-place gasket
- Premium powder coat
- Integrated cord catch with rain chamber for splash protection
- Each cover contains three or six adapters to make a variety of configurations (8 or 55)



Metallic EXTRA DUTY® While-In-Use Covers

Description	Dimensions Height x Width x Depth	Catalog Number
Heavy duty die-cast aluminum 1-gang cover with gray lid for vertical mounting offers superior commercial quality 8-in-1 configurations. 1{8}	6.12″ x 3.37″ x 3.5″ (155.4 x 85.6 x 89.0)	WP26E
Heavy duty die-cast metal 1-gang cover with gray lid for horizontal mounting; 8-in-1 configurations. 1{8}	4.79″ x 5.06″ x 3.49″ (121.6 x 128 x 88.6)	WP26EH
Heavy duty die-cast metal 2-gang cover with gray lid for vertical mounting; 55-in-1 configurations. 1{55}	6.12″ x 5.12″ x 3.5″ (155.4 x 130.0 x 89.0)	WP262E



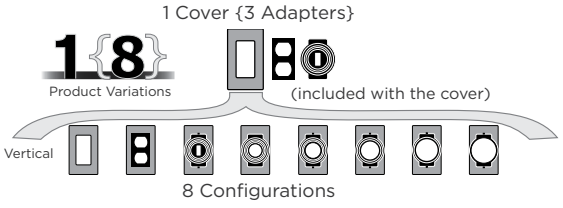
WP26E

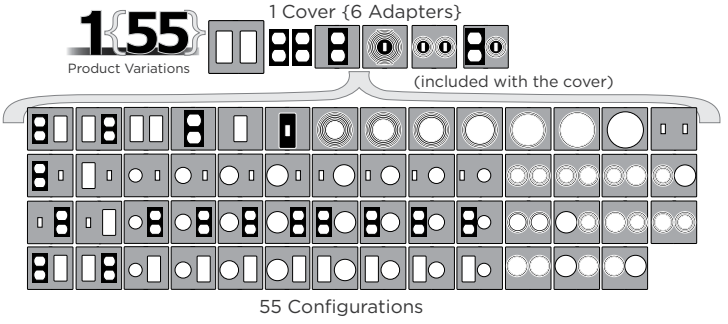


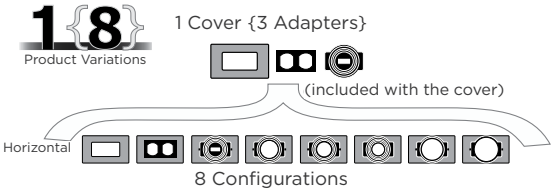
WP26EH



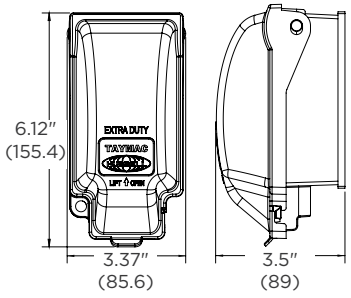
WP262E



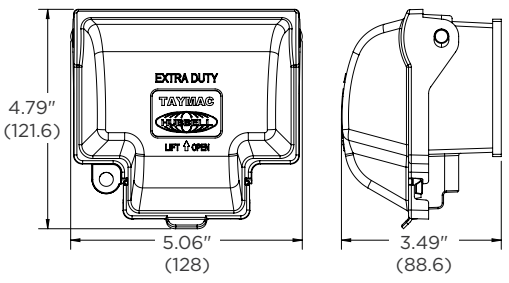




Metallic Cover Dimensions



WP26E



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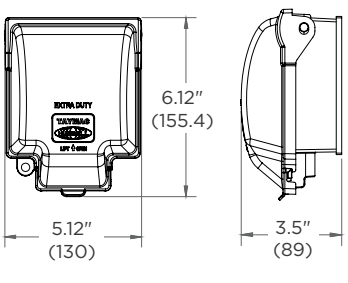


WP262E

Dimensions in Inches (mm)

Features and Benefits



The NEMA 3R Rated EXTRA DUTY® Metallic and Non-metallic While-in-Use Covers offer weather protection for outlets when they are in use.

- Patented keyhole mounting system allows installation in under a minute
- Pre-configured for GFCI with patented technology for alternate devices
- Lockable tab for OSHA compliance
- Sealed-in-place gasket
- High-impact polycarbonate construction provides maximum durability
- Each cover contains three or six adapters to make a variety of configurations (16 or 55)
- Extra Duty rated covers are NEC 406.9(B) compliant

Weather Resistant Recessed Receptacle with While-In Use Cover

Description	Housing Color	Horizontal Mount	Vertical Mount
Weather and tamper-resistant duplex receptacle with clear while-in-use Extra-Duty cover, 15A 125V.	Gray White Brown	RW15300GY RW15300W RW15300BR	RW15400GY RW15400W RW15400BR



RW15400GY



RW15300GY

Non-Metallic While-In-Use Covers

Description	Dimensions Height x Width x Depth	Standard	EXTRA DUTY®
Standard 1-gang cover with clear tinted cover, for horizontal or vertical mounting; 16-in-1 configurations. 1.16	5.90" x 4.18" x 2.75" (149.8 x 106.1 x 69.9)	RW57300	RW58300
Extra deep 1-gang cover with clear tinted cover, for horizontal or vertical mounting; 16-in-1 configurations. 1.16	5.92" x 4.20" x 4.75" (150.4 x 106.7 x 120.7)	RW57350	RW58350
Standard 2-gang cover, clear tinted cover, for vertical mounting only; 55-in-1 configurations. 1.55	5.54" x 5.43" x 2.75" (140.7 x 138.0 x 69.9)	RW57750	RW58750



RW57300



RW58300



RW57350



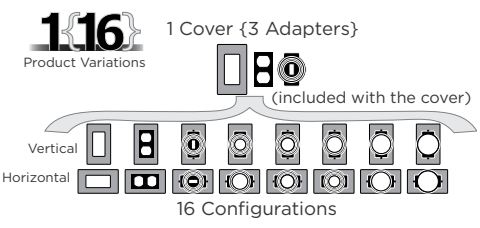
RW58350

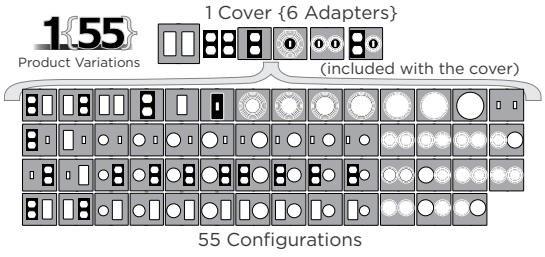


RW57750

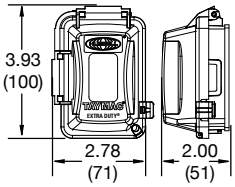


RW58750

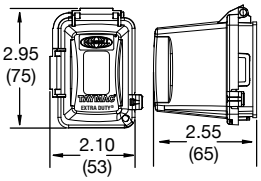




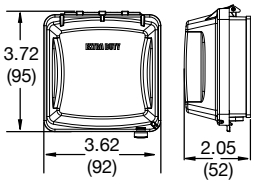
Non-Metallic Cover Dimensions



RW58300



RW58350



RW58750

Dimensions in Inches (mm)

Weatherproof Non-metallic Recessed

Features and Benefits

Weatherproof Non-Metallic Recessed While-In-Use Extra Duty Covers

Hubbell has added a unique solution to our weatherproof, non-metallic device cover line up with the Recessed In-Use Extra Duty rated Cover. This is a great alternative for locations to meet the NEC code when space and aesthetics are important.

- Aesthetically pleasing flat profile
- Extra Duty rated covers meet NEC 406.9(B)
- Versatility, it can be installed for new or old work
- Compatibility with all common siding types and materials: vinyl, wood, stucco and brick/block
- Mounted horizontally or vertically
- Includes an electrical box and optional siding flange
- Compatibility with duplex, GFCI and single receptacles (receptacle not included)
- cULus listed product and NEC and NEMA 3R compliant
- Colors available: Clear cover with gray, white or bronze back housing





Non-metallic EXTRA DUTY® While-In-Use Covers

Description	Color	Catalog Number
1-Gang weatherproof extra duty recessed while-in-use cover.	Clear/Gray Clear/White Clear/Bronze	**RW5420CG** **RW5420CW** **RW5420CZ**



RW5420CW

Weatherproof Heavy Cast Aluminum Lockable Cover

Made of heavy cast aluminum that provides high strength. Suitable for industrial and comercial applications.

- Flush enclosure, cover has mounting plate, fits standard 4 inch or 4-11/16 inch electrical box
- Adapter plates for GFCI, duplex, single receptacles or switch
- Rated NEMA 3R
- cULus Listed



Weatherproof Heavy Cast Aluminum Lockable Cover

Description	Color	Catalog Number
1-Gang weatherproof 4-in-1 flush enclosure heavy cast aluminum lockable cover.	Aluminum	**WP4600**



WP4600

Dimensions in Inches (mm)

Features and Benefits





Stainless steel weatherproof flip covers are suitable for use in applications where corrosion and sanitation are vital concerns. Heavy duty 316 stainless steel provides an excellent finish and superior corrosion resistance in all applications. Models listed are typically used in indoor/outdoor applications such as, food/chemical processing, pharmaceutical and water treatment facilities.

- Manufactured in heavy duty 316 stainless steel for increased corrosion resistance
- Polished finish for a clean aesthetically pleasing appearance
- Smooth surfaces to allow ease of cleaning
- Duplex and GFCI versions
- UL Type 3R:
  - Rain-tight and sleet (Ice) resistant
  - Self-closing lid
- UL Type 4X:
  - Watertight, dust-tight and corrosion resistant for wash-down application
  - Latching cover

Industries Commonly Served

- Food and Beverage Production and Distribution
- Chemical Plants
- Water and Wastewater Treatment
- Pharmaceuticals and Cosmetics
- Refining and Extraction Sites
- Petrochemical Operations
- Marine and Coastal Facilities
- Pulp and Paper Mills
- Other Corrosive Environments

1-Gang Stainless Steel Weatherproof Flip Covers

Description	Catalog Number
1-Gang, stainless steel duplex cover, 3r.	**HBLSS83R**
1-Gang, stainless steel gfci cover, 3r.	**HBLSS263R**
1-Gang, stainless steel duplex cover, 4x.	**HBLSS84X**
1-Gang, stainless steel gfci cover, 4x.	**HBLSS264X**


HBLSS83R

1-Gang Stainless Steel While-In-Use Weatherproof Cover

Description	Catalog Number
1 Gang, Stainless Steel GFCI Cover, 3R.	**HBLSS26WIS**


HBLSS263R

Specifications

Cover	Stainless Steel	Cover Gasket	Elastomer
Base	Stainless Steel	Back Gasket	EVA Form
Hinge Pin	Stainless Steel	Ground Screw	Steel, Zinc Plated
Spring	Stainless Steel	Mounting Screw	Stainless Steel
Base Gasket	Elastomer		


HBLSS84X

Product Dimensions

Catalog Number	Height	Width	Depth	Opening
HBLSS83R	3.04″ (77.2)	4.85″ (123.2)	.88″ (22.4)	2.62″ (66.5)
HBLSS263R	3.04″ (77.2)	4.85″ (123.2)	.88″ (22.4)	2.76″ (70.0)
HBLSS84X	3.04″ (77.2)	4.85″ (123.2)	.88″ (22.4)	2.62″ (66.5)
HBLSS264X	3.04″ (77.2)	4.85″ (123.2)	.88″ (22.4)	2.76″ (70.0)
HBLSS26WIS	6.54″ (166.1)	3.70″ (93.9)	2.31″ (58.7)	7.57″ (192.3)


HBLSS26WIS

Dimensions in Inches (mm)

Weatherproof Covers

1-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Aluminum die cast, gray powder coated, duplex cover for box mounting.	4.56" x 2.81" x 0.80" (116.3 x 71.6 x 14.5)	**RW51470**
Aluminum die cast, gray powder coated, 1.40" (35.6) dia. opening cover for single receptacle or toggle switch for device mounting.	4.56" x 2.81" x 0.88" (115.8 x 71.4 x 22.4)	**RW51550***
Aluminum die cast, gray powder coated, GFCI, Surge and decorator cover for device mounting.	4.56" x 2.81" x 0.80" (115.8 x 71.4 x 20.1)	**RW51040**


RW51550


RW51470


RW51040

1-Gang Weatherproof Covers for Horizontal Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Aluminum die cast, gray powder coated, duplex cover for device mounting.	2.82" x 4.57" x 1.00" (71.6 x 116.1 x 25.4)	**RW51810**
Aluminum die cast, gray powder coated, GFCI, Surge and decorator cover for device mounting.	2.82" x 4.56" x 0.75" (71.6 x 115.8 x 19.1)	**RW51020**


RW51810


RW51020

2-Gang Weatherproof Covers for Vertical Mounting

Description	Dimensions Height x Width x Depth	Catalog Number
Aluminum die cast, gray powder coated, two GFCI, Surge and decorator cover for box mounting.	4.54" x 4.56" x 0.73" (115.3 x 115.8 x 18.5)	**RW51450**


RW51450

Note: All weatherproof cover plates are UL Listed for WET LOCATIONS WITH COVER CLOSED, for intermittent use in wet locations or use in damp locations. All cover plates are gasketed and self-closing.
**cULus Listed.*

Dimensions in Inches (mm)

Screws, 6-32 Thread, 100 Count

Description	Color/Material	Catalog Number
Decorator wallplate screws, oval head milled slot, 3/8 In. Long – 6-32 thread, 100 per box (order 1 to receive a box of 100).	Black Brown Gray Ivory Light Almond White Stainless Steel	**RA38BKPK100** **RA38PK100** **RA38GYPK100** **RA38IPK100** **RA38LAPK100** **RA38WPK100** —
Brass plated screw, standard slot, .38 In. (9.7) Long.	Brass	**HBL7341**
Standard wallplate screws, oval head milled slot, 1/2 In. Long – 6-32 thread, 100 per box (order 1 to receive a box of 100).	Black Brown Gray Ivory Light Almond White	**RA12BKPK100** **RA12PK100** **RA12GYPK100** **RA12IPK100** — **RA12WPK100**
Standard wallplate screws, oval head milled slot, 5/8 In. Long – 6-32 thread, 100 per box (order 1 to receive a box of 100).	Stainless Steel	**RA58SSPK100**
Standard wallplate screws, oval head milled slot, 1.0 In. Long – 6-32 thread, 100 per box (order 1 to receive a box of 100).	Ivory White Stainless Steel	**RA88IPK100** **RA88WPK100** **RA88SSPK100**



RA38IPK100



HBL7341



RA12IPK100



RA58SSPK100



RA88IPK100

Single Count Screws and Accessories

Description	Color	Catalog Number
Blank adapter, to fill a toggle opening.	Brown Ivory White	**RA756** **RA756I** **RA756W**
Blank adapter, to fill a decorator opening.	Black Gray Ivory Light Almond White	**NS620BK** **NS620GY** **NS620I** **NS620LA** **NS620W**
Mounting strap, with screws.	Steel	**RA40**



RA756W



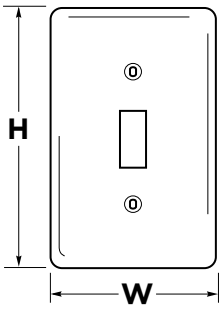
RA40



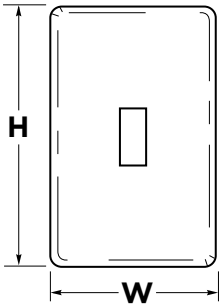
NS620I

Dimensions in Inches (mm)

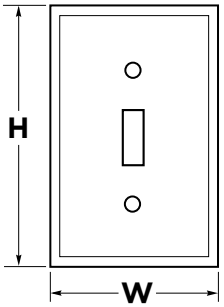
Wallplate Dimensions



Size	Thermoplastic					
	Standard		Mid-Size		Jumbo-Size	
	Height	Width	Height	Width	Height	Width
1-Gang	4.63″ (117.6)	2.88″ (73.2)	4.94″ (125.3)	3.15″ (80.0)	5.25″ (133.4)	3.50″ (88.9)
2-Gang	4.63″ (117.6)	4.69″ (119.1)	4.94″ (125.3)	5.00″ (126.9)	5.25″ (133.4)	5.31″ (134.9)
3-Gang	4.63″ (117.6)	6.50″ (165.1)	4.88″ (123.8)	6.75″ (171.5)		
4-Gang	4.63″ (117.6)	8.31″ (211.1)	4.88″ (123.8)	8.56″ (217.4)		
5-Gang	4.63″ (117.6)	10.12″ (257.1)				
6-Gang	4.63″ (117.6)	11.94″ (303.1)				



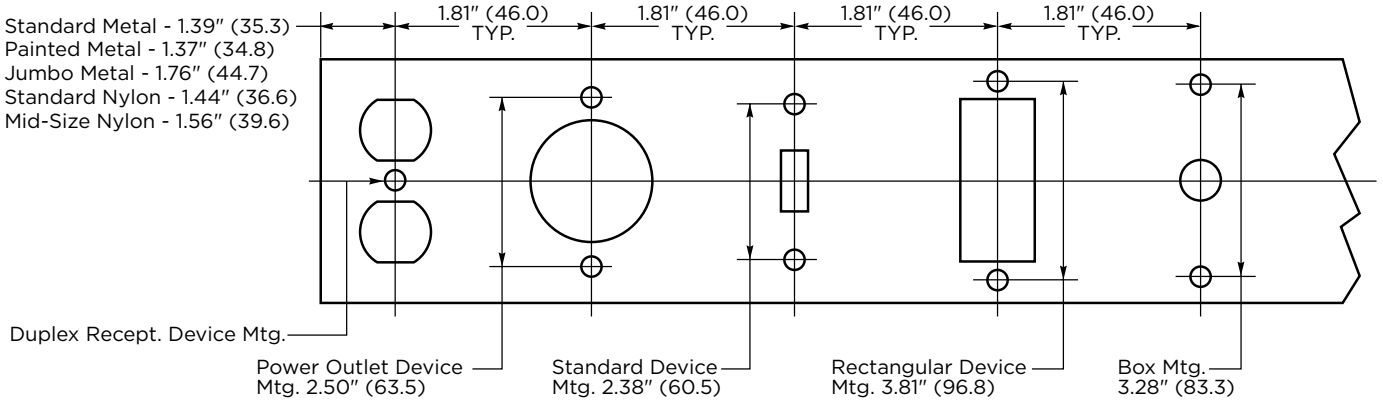
Size	Snap-On Thermoplastic		
	Height	Width	Depth
1-Gang	4.75″ (120.6)	3.00″ (76.2)	.25″ (6.35)
2-Gang	4.75″ (120.6)	4.81″ (122.2)	.25″ (6.35)
3-Gang	4.75″ (120.6)	6.62″ (168.2)	.25″ (6.35)
4-Gang	4.75″ (120.6)	8.44″ (214.3)	.25″ (6.35)



Size	Standard Metal		Painted Metal		Jumbo Metal	
	Height	Width	Height	Width	Height	Width
1-Gang	4.54 (115.3)	2.89″ (73.4)	4.50″ (114.3)	2.75″ (69.8)	5.25″ (133.4)	3.50″ (88.9)
2-Gang	4.54 (115.3)	4.60″ (116.8)	4.50″ (114.3)	4.56″ (115.8)	5.25″ (133.4)	5.31″ (134.9)
3-Gang	4.54 (115.3)	6.41″ (162.8)	4.50″ (114.3)	6.38″ (162.1)		
4-Gang	4.54 (115.3)	8.22″ (208.8)	4.50″ (114.3)	8.18″ (207.8)		
5-Gang	4.54 (115.3)	10.03″ (254.8)	4.50″ (114.3)	10.00″ (254.0)		
6-Gang	4.54 (115.3)	11.84″(300.7)	4.50″ (114.3)	11.81″ (300.0)		
7-Gang	4.54 (115.3)	13.65″ (346.7)				
8-Gang	4.54 (115.3)	15.46″ (392.7)				

Wallplate Openings and Mounting Dimensions

#6-32 Oval Head Screws Typical



Note: Specifications are subject to change without notice.

Dimensions in Inches (mm)

How To Select A Custom Metal Wallplate

Step 1:
Determine wallplate material and enter in box marked "Catalog Number".

Smooth Metal	Material Code
Anodized aluminum	AL
Brass plated steel	BP
Solid brass	BR
Chrome plated steel	CH
Stainless steel 302/304	SS

Determine number of gangs required and enter in box marked "Catalog Number" next to material.

Number of Gangs	Code
1-Gang	1
1-Gang	2
1-Gang	3
1-Gang	4
1-Gang	5
1-Gang	6
1-Gang	7
1-Gang	8

Enter
Catalog Number

♦ **WC*** **SS** **4**

Step 2:
Enter quantity.

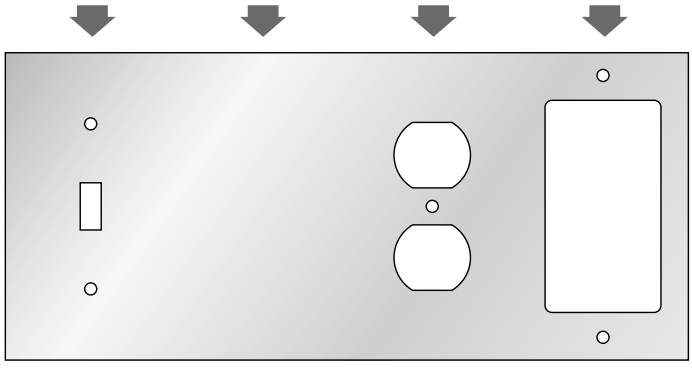
Step 3:
Select the custom metal wallplate configuration.

Refer to the custom wallplate configuration chart to select a configuration for each gang in the wallplate. Each configuration has a specific 3-digit code located in the right hand side of the chart on pages P-32 to P-34. Enter this 3-digit configuration code in the corresponding box on the order form grid to match the position required on the finished custom wallplate.

Item No.	Catalog Number	Quantity	Code	Position 1	Position 2	Position 3	Position 4
1	**WCSS4**		H*	001	149	008	026
2							

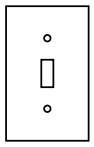
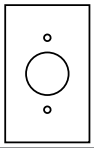
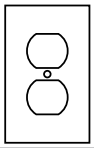
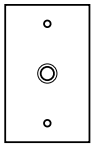
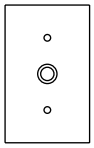
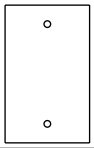
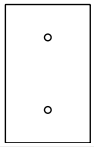
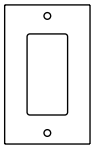
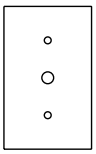
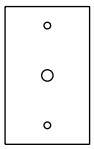
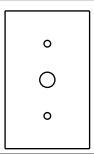
*Note: *WC and H are preprinted on the distributor order form.*
♦ Number to use for pricing.

The 3-digit numbers listed at the upper right of the Sample Order Form (001, 149, etc.) represent the custom metal wallplate selected on the right. See Configuration Chart and Hubbell Configuration Selector Guide on pages P-32 to P-34 or additional configuration choices.

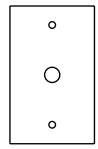
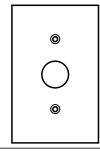
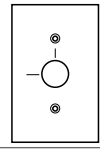
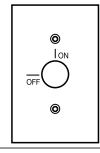
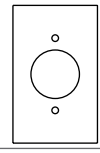
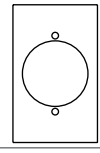
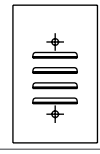
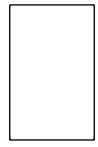


Dimensions in Inches (mm)

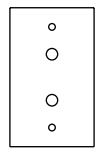
Configuration Chart

	**001** Switch.
	**007** Single Receptacle 1.40" ID (35.6) Hole.
	**008** Duplex Receptacle.
	**011** 1-Gang .635" ID (16.1) Hole Box Mounted with .50" ID (12.7) Nylon Bushing.
	**012** 1-Gang .635" ID (16.1) Hole Strap Mounted incl. Strap with .50" ID (12.7) Nylon Bushing.
	**013** Blank Box Mounted.
	**014** Blank Strap Mounted incl. Strap.
	**026** Rectangular Opening.
	**055** 1-Gang .375" ID (9.5) Hole Strap Mounted incl. Strap.
	**056** 1-Gang .375" ID (9.5) Hole Box Mounted.
	**057** 1-Gang .50" ID (12.7) Hole Strap Mounted incl. Strap.

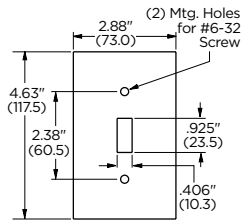
Dimensions in Inches (mm)

	**058** 1-Gang .50" ID (12.7) Hole Box Mounted.
	**078** Barrel Key Switch.
	**079** Barrel Key Switch with Hash Marks.
	**080** Barrel Key Switch with ON/OFF and Hash Marks.
	**091** Single Receptacle 1.60" ID (40.5) Hole.
	**098** Single Receptacle 2.16" ID (54.7) Hole.
	**135** Vertical Mounted Louver.
	**149** Totally Blank (No Mounting Holes).

Coax/Twinax and Modular Jack Openings

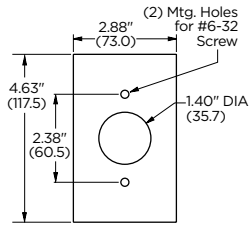
	**456** .375" (9.5) Dia. Round Box Mounted.
	458 .500" (12.7) Dia. Round Box Mounted.
	411 .635" (16.1) Dia. Round Box Mounted.

Note: Specifications are subject to change without notice.



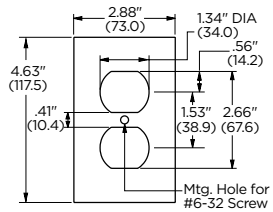
Configuration **001**

Toggle Switch Wallplate.



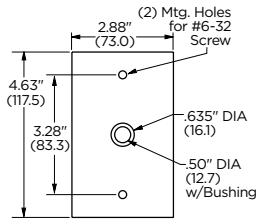
Configuration **007**

Single 15 or 20A Straight Blade Receptacle; 15A Twist-Lock® Receptacle.



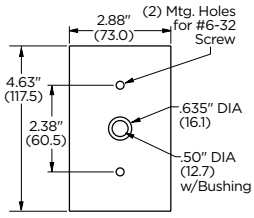
Configuration **008**

Duplex Receptacle.



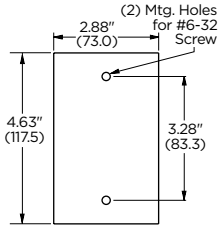
Configuration **011**

Single, .635" (16.1) Telephone (Box Mount).



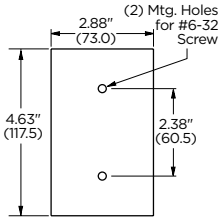
Configuration **012**

Single, .635" (16.1) Telephone (Strap Mount).



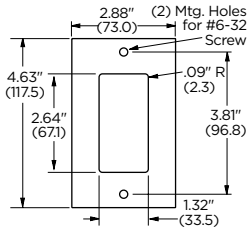
Configuration **013**

Blank Walllate (Box Mount).



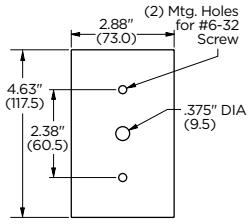
Configuration **014**

Blank Wallplate (Strap Mount).



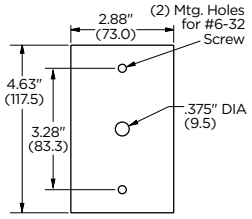
Configuration **026**

GFCI/Rectangular Opening.



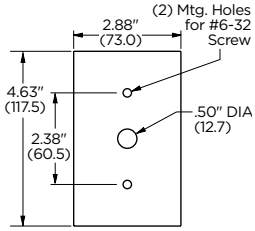
Configuration **055**

Single, .375" (9.5) Telephone (Strap Mount).



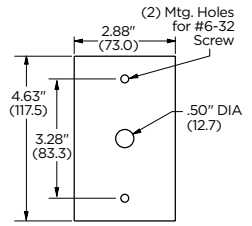
Configuration **056**

Single, .375" (9.5) Telephone (Box Mount).



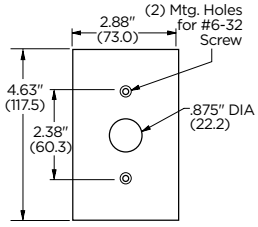
Configuration **057**

Single, .50" (12.7) Telephone (Strap Mount).



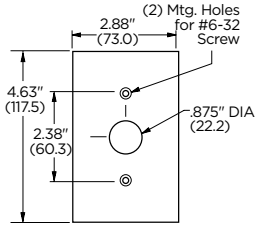
Configuration **058**

Single, .50" (12.7) Telephone (Box Mount).



Configuration **078**

Barrel Key Switch.



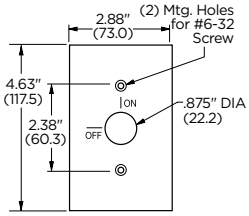
Configuration **079**

Barrel Key Switch with Hash Marks.

Note: Specifications are subject to change without notice.

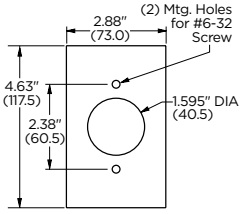
Dimensions in Inches (mm)

Configuration Chart (Continued)



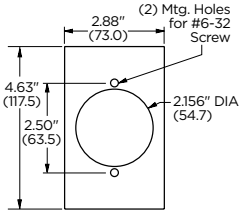
Configuration
080

Barrel Key Switch with ON/OFF and Hash Marks.



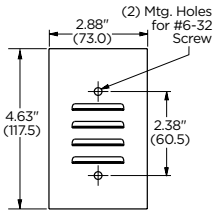
Configuration
091

Single 20 or 30A Twist-Lock® Receptacle.



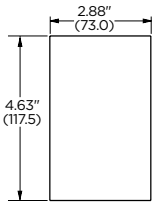
Configuration
098

Single Receptacle, 30 or 50A Straight Blade, 3 Wire Power Outlet.



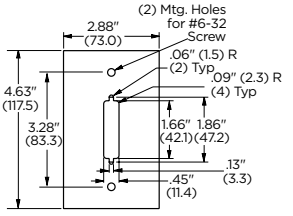
Configuration
135

Louvered Wallplate (Strap Mount).



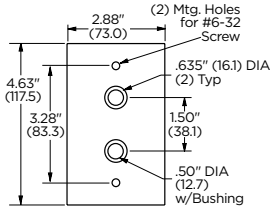
Configuration
149

Totally Blank Wallplate.



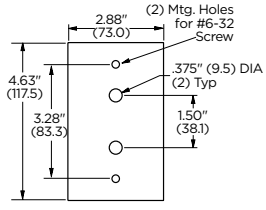
Configuration
295

RS232 Port Single 25-Pin (Box Mount).



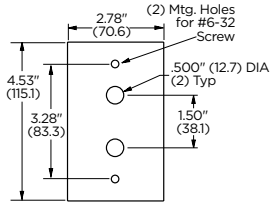
Configuration
411

Dual .635" (16.1) Holes (Box Mount).



Configuration
456

Dual .375" (9.5) Round (Box Mount).

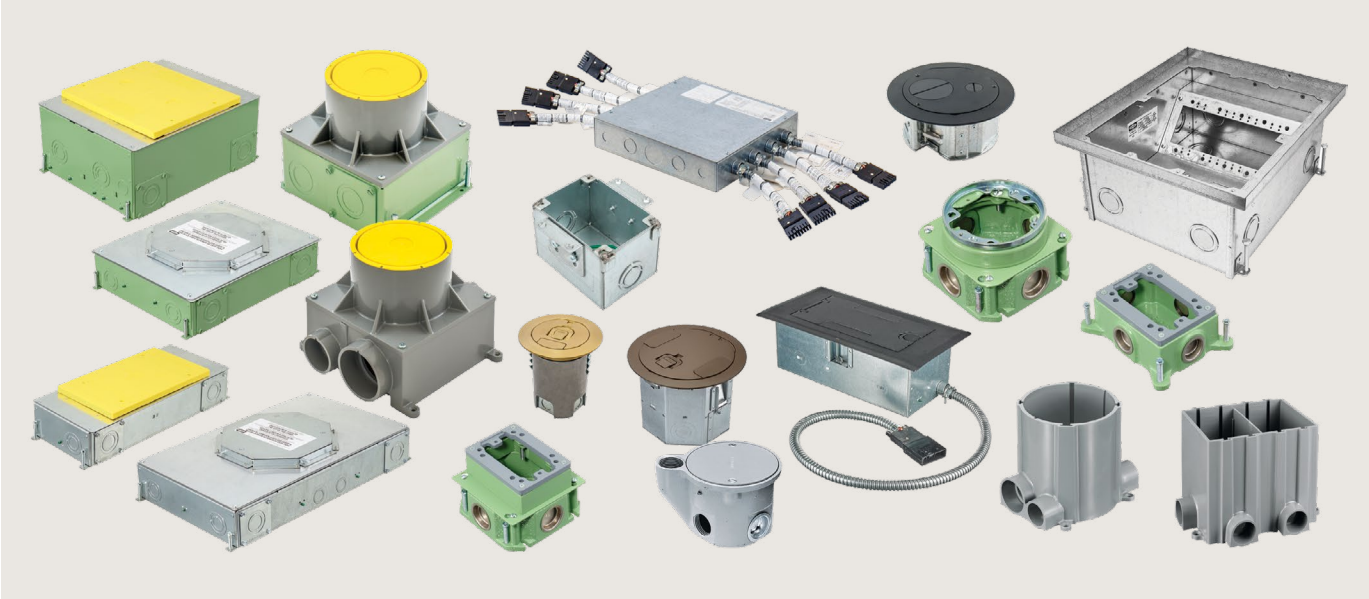


Configuration
458

Dual .50" (12.7) Round (Box Mount).

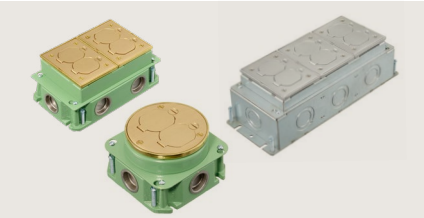
Note: Specifications are subject to change without notice.

Dimensions in Inches (mm)

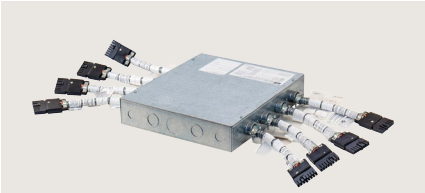




SystemOne Recessed Floor Boxes for Concrete Floors



Flush Floor Boxes for Concrete Floors



CONNEXION 2.0 Zone Distribution System

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- 2, 4, 6, 4/5 and 8/10-Gang Plates and Accessories Q-11
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- Rectangular Non-Metallic, 1, 2, and 3-Gang Q-26
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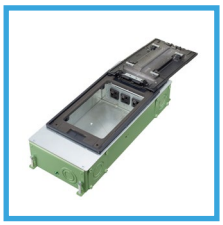
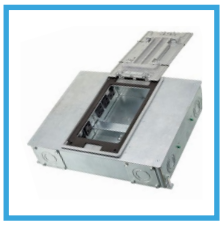
ETERNAL™ Series: Products at a Glance



2-Gang Recessed

The Hubbell SystemOne 2-Gang Recessed Concrete Floor Box offers eight styles, satisfying the requirements of almost any commercial building application. Rectangular or round covers, as well as furniture feed covers, are available in a variety of finishes to blend with any existing or new décor. A parallel-device layout reduces plug interference, maximizing functionality and performance.



4-Gang Recessed

Similar to the 2-Gang Recessed Concrete Floor Box, Hubbell's SystemOne 4-Gang Recessed Concrete Floor Box is available with rectangular or round covers. Ten different styles make it possible to meet the electrical requirements of most commercial projects - new construction or renovation. The parallel device layout maximizes functionality which can be limited when devices are mounted 90° from one another.



4/5-Gang Recessed

The 4/5-Gang box provides a uniform look with rectangular or round covers that are available in several finishes to complement existing décor. Electrical devices are mounted vertically and are mounted to the plate prior to securing it to the box. Four removable knockout plates allow for 2" conduit feed-thru allowing for dual serivce capacity.



6-Gang Recessed

Increased power, data, and AV capacity is what the Hubbell SystemOne 6-Gang Recessed Concrete Floor Box was designed to handle. Four styles allow the floor box to work within almost any commercial application to enhance connectivity. Four removable knockout plates allow for 2" conduit feed-thru. Rectangular and round covers are available in a variety of finishes that work with any aesthetic or finish.



8/10-Gang Recessed

With maximum capacity in a small footprint, the 8/10-Gang box provides a uniform look with rectangular or round covers that are available in several finishes to complement existing décor. Electrical devices are mounted vertically and are mounted to the plate prior to securing it to the box. Four removable knockout plates allow for 2" conduit feed-thru allowing for simple installation of AV cables with pre-connectorized heads and specific bend radius requirements.



4-Gang PVC Recessed

The exclusive 4-Gang Recessed Concrete PVC Floor Box is available with rectangular or round covers. The unique floor box design can be installed slab on-grade and second floors and above. Box includes external leveling screws. For use with PVC conduits only; with standard PVC terminal adapters or Hubbell's innovative PVC hubs up to 2" conduit.

Box

- 3.75" deep wiring device chambers
- 14 gauge galvanized sheet metal and PVC and Cast Iron
- Optional fusion-bonded, green epoxy paint for on-grade use
- 3" and deeper versions accept field installed metallic 2" threaded hubs
- Patented PVC conduit adapters, CFBHUB200PVC for 2" feed-thru and CFBHUB125PVC for 1-1/4" feed-thru can be used on metal and PVC floorboxes
- Pre-pour and post-pour adjustment
- Patented, labor saving, easy mount device plates
- Exclusive 4-Gang PVC concrete floor boxes can be used for slab on grade and second floor and above concrete floors

Cover

- Available in round and rectangular, recessed and furniture feed styles
- Recessed covers open a full 180°
- Large hide-a-way cable egress doors
- Listed to UL 514A and UL Scrubwater compliant
- Die cast aluminum cover construction
- All covers are ADA compliant

SystemOne ETERNAL Recessed Floor Boxes for Concrete Floors

Featuring the unique capabilities of Hubbell's SystemOne family design. Hubbell has enhanced and expanded its floor box offering to provide industry leading installation flexibility while accommodating an extensive range of applications. Hubbell SystemOne ETERNAL Series products are constructed to address customers personal solutions for today's demanding, power, data and audio/video and for tomorrow's.

Hubbell SystemOne ETERNAL Series concrete floorboxes with box depths of 3" and larger can be field installed with PVC and metallic hubs for feed-thru wiring. The enhanced box design also provides expanded device capacity and improved installation efficiency. These floor boxes will prove to be as indispensable asset to the building's delivery system infrastructure.



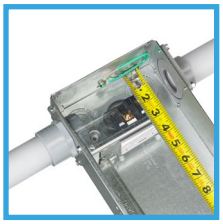
Recessed 4-Gang Floor Boxes





Concrete Pour Pocket Cap

In concrete applications, all SystemOne Recessed floor boxes include (1) yellow factory installed, field-removable pour pocket cap provides a pocket in the final floor to accept the covers intended for terrazzo, tile, or finished concrete floor. The cap may not be used for carpet, wood or engineered floors.



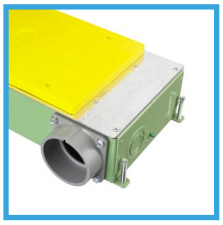
Deep Wiring Chambers

The ETERNAL Series SystemOne Recessed concrete floor boxes have 3.75" deep wiring chambers to accommodate larger USB receptacles, AV modules and feed-thru wring.



Rectangular Cover Extension Caps

Pre-pour extension caps allow the floor box to be installed with 1" of concrete above the box. Maximum of two yellow caps can be installed on each box. Additional pre-pour caps purchased in packs of two.



2 Inch Conduit Ready

To meet expanding AV and data needs, the Hubbell SystemOne Recessed Floor Box line readily accepts 2" conduits with the use of a 2" PVC or threaded conduit hub. The offset design allows for less conduit lifting while threading and the hub mounting holes are asymmetrical for installation efficiencies.



Round Cover Stackable Rings

Pre-pour round stackable rings increase box height and concrete pour depth by 3/4" increments.



CR Version

Corrosion resistant epoxy paint intended for on-grade use, the CR version is coated with fusion-bonded epoxy paint to help prevent corrosion.

Selecting a SystemOne ETERNAL Recessed Floor Box for Concrete Floors

To assist with the floor box selection process, please have the following information available:

Electrical requirements	Application	Cover style
Power (each electrical device requires one gang). Data/AV (consult manufacturers' specification for size/volume requirements), number required. Add up total number to determine needed capacity. If necessary capacity is not shown round up to next size. Example: 9-Gang rounds up to a 10-Gang floor box.	On-grade (OG) Above-grade (AG) Minimum concrete pour depth	Round Rectangular

Once this information is gathered start on the capacity column:

① *Capacity: Select necessary box*

② *Application: Select the concrete pour depth and on-grade or above-grade application*

③ *Cover style: Select round or rectangular cover*

④ *Locate interconnecting point of all three categories and move to right to select correct catalog number*

Electrical Requirements - Capacity ①		Application - Minimum Pour Depth ②												Steel	Corrosion Resistant	PVC	Cast Iron	Select Correct Catalog Number ④
		2-1/2 in.		3 in.		3-1/4 in.		3-3/4 in.		5-1/2 in.		6-1/4 in.						
		AG	OG	AG	OG	AG	OG	AG	OG	AG	OG	AG	OG					
2-Gang		•												•				CFB2G25E
			•												•			CFB2G25CRE
				•										•				CFB2G30E
					•										•			CFB2G30CRE
						•								•				CFB2G25RE
							•								•			CFB2G25RCRE
								•						•				CFB2G30RE
									•						•			CFB2G30RCRE
4-Gang				•	•	•	•								•	•		CFB4G30PFBE
								•	•						•	•		CFB4G30PFBRE
		•												•				CFB4G25E
			•												•			CFB4G25CRE
				•										•				CFB4G30E
					•										•			CFB4G30CRE
						•								•				CFB4G25RE
							•								•			CFB4G25RCRE
								•						•				CFB4G30RE
									•						•			CFB4G30RCRE
					•										•		•	CFB4G30CI
									•						•		•	CFB4G30RCI
4/5-Gang										•								CFB45G55E
											•				•			CFB45G55CRE
												•						CFB45G55RE
													•		•			CFB45G55RCRE
6-Gang				•										•				CFB6G30E
					•										•			CFB6G30CRE
								•						•				CFB6G30RE
									•						•			CFB6G30RCR
10-Gang										•				•				CFB10G55E
											•				•			CFB10G55CRE
												•		•				CFB10G55RE
													•		•			CFB10G55RCRE
		Rectangular		Rectangular		Round		Round		Rectangular		Round						
		Cover Style ③																

SystemOne ETERNAL Recessed Benefits and Enhancements

Functionality

- Cables and connections are protected by recessed functionality
- Open architecture sub-plate design
- Common door layout regardless of flange for harmonized look
- Meets UL 514A scrubwater requirements with ScrubShield® technology
- All SystemOne covers are ADA compliant
- Cables and plugs are protected by recessed connections

Value

- Easy selection with common look for all floor types
- Enhance building décor with numerous finishes
- Increase durability and longevity with cast aluminum covers

Online Resources

- BIM models, customer drawings and technical specifications are available on www.hubbell-wiring.com



Recessed 4-Gang Floor Boxes with Recessed and Furniture Feed Covers





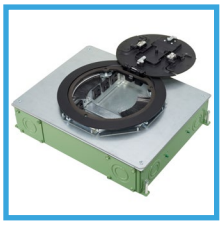
Safety

- Flush flange available for tile, finished concrete or Terrazzo
- Surface flange available for carpeted floors with 0.15" rise meets ADA requirements
- Hideaway egress doors fold under cover while in use



Family Look

- Hubbell SystemOne Recessed Floor Box line offers a common look regardless of capacity or installation. This simple concept ensures a consistent look throughout a building with rectangular or round covers. Round covers lend themselves to multi-story buildings also using Fire-Rated Poke-Through devices.



Service Access

- All covers have 180° opening of main door
- Larger cover openings allows for easier device installation and end user access
- Larger access area makes for effortless device engagement



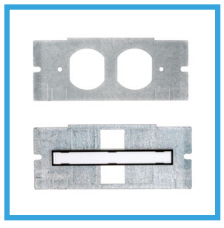
Recessed and Furniture Feed Covers

- Hubbell SystemOne 2, 4, 6 and 10-Gang Recessed Floor Box line offers dynamic installation flexibility; each box series has rectangular and round cover options with recessed and furniture feed cover capabilities.



Pre-Wired Mounting Plates

- Pre-wired duplex, StyleLine® and 3-Cube receptacles with 8" stranded leads are installed into plates to allow for even more labor savings
- Pre-wired plates include tamper-resistant, CONTROLLED and isolated ground



Single Screw Device Mounting Plates

- 2, 4 and 6-gang boxes offers line voltage and low voltage device plates with a patented single screw installation which maximizes installation efficiency by reducing install time.

SystemOne Recessed 2-Gang Floor Boxes and Covers, for Use In Concrete Floors

ScrubShield® c UL us
Complies with UL514A

Style / Box Type	Rectangular Cover		Round Cover	
				
Standard Box Corrosion-Resistant (On-grade)	**CFB2G30E CFB2G30CRE**	**CFB2G25E CFB2G25CRE**	**CFB2G30RE CFB2G30RCRE**	**CFB2G25RE CFB2G25RCRE**
Recommended Pour Depth	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)
Min. Depth of Pour	3.00" (76.2)	2.50" (63.5)	3.75" (95.3)	3.25" (82.6)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity per Gang	56.5 cu. in. (926 cm³)	47.5 cu. in. (778 cm³)	56.5 cu. in. (926 cm³)	47.5 cu. in. (778 cm³)
Dimensions – A	3.00" (76.2)	2.50" (63.5)	–	–
Dimensions – B	6.62" (168.1)	6.62" (168.1)	7.32" (185.9)	7.32" (185.9)
Dimensions – C	16.27" (413.3)	16.27" (413.3)	16.27" (413.3)	16.27" (413.3)
Dimensions – D	–	–	6.37" (161.7) TYP.	6.37" (161.7) TYP.
Dimensions – E	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)
KO Trade Size: Ends Sides Bottom	(2) 1/2", 3/4", 1", 1-1/4" (4) 3/4", 1", 1-1/4", 2"* (4) 1/2", 3/4", 1", 1-1/4"	(2) 1/2", 3/4", 1" (4) 1/2", 3/4", 1" (4) 1/2", 3/4", (4) 1", 1-1/4"	(2) 1/2", 3/4", 1", 1-1/4" (4) 3/4", 1", 1-1/4", 2"* (4) 1/2", 3/4", 1", 1-1/4"	(2) 1/2", 3/4", 1" (4) 1/2", 3/4", 1" (4) 1/2", 3/4", 1", 1-1/4"
Cover Style	Rectangular	Rectangular	Round	Round
2 Inch Hub Compatible	Yes	No	Yes	No

Note: UL File Number E31999. Boxes include concrete covers.
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1-1/4" PVC conduits.*

Rectangular Covers

- Compatible with CFB2G25, CFB2G25CR, CFB2G30 and CFB2G30CR Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers ship with low voltage dividers

	Surface Cover Dimensions 11-11/16 in. x 7-3/16 in.			Flush Cover Dimensions 10-11/16 in. x 6-3/16 in.		
Finish	**Without Insert**	**With Insert**	**Furniture Feed (1 in. and 2 in. Plugs)**	**Without Insert**	**With Insert**	**Furniture Feed (1 in. and 2 in. Plugs)**
Aluminum Powder Coat	**24GCCVRALU**	**24GCCVRALUC**	**24GCFFCVRALU**	**24GTCVRALU**	**24GTCVRALUC**	**24GTFFCVRALU**
Black Powder Coat	**24GCCVRBK**	**24GCCVRBKC**	**24GCFFCVRBK**	**24GTCVRBK**	**24GTCVRBKC**	**24GTFFCVRBK**
Brass Powder Coat	**24GCCVRBRS**	**24GCCVRBRSC**	**24GCFFCVRBRS**	**24GTCVRBRS**	**24GTCVRBRSC**	**24GTFFCVRBRS**
Bronze Powder Coat	**24GCCVRBRZ**	**24GCCVRBRZC**	**24GCFFCVRBRZ**	**24GTCVRBRZ**	**24GTCVRBRZC**	**24GTFFCVRBRZ**
Satin Nickel Powder Coat	**24GCCVRNK**	**24GCCVRNKC**	**24GCFFCVRNK**	**24GTCVRNK**	**24GTCVRNKC**	**24GTFFCVRNK**

Available finishes



Aluminum | Black | Brass | Bronze | Satin Nickel

6 Inch Round Covers

- Compatible with CFB2G25R, CFB2G25RCR, CFB2G30R and CFB2G30RCR Series Floor Boxes
- Cover flanges have a 7-1/2 in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers - 180° access with 2 cable egress doors
- Furniture Feed covers ship with low voltage dividers

Finish	Flush Surface	Furniture Feed (3/4 in. and 2 in. Plugs)
Brushed Aluminum	**CFBS1R6CVRALU**	**CFBS1R6FFCVRALU**
Black Powder Coat	**CFBS1R6CVRBLK**	**CFBS1R6FFCVRBLK**
Brass Plated	**CFBS1R6CVRBRS**	**CFBS1R6FFCVRBRS**
Antique Bronze Plated	**CFBS1R6CVRBRZ**	**CFBS1R6FFCVRBRZ**
Gray Powder Coat	**CFBS1R6CVRGRY**	**CFBS1R6FFCVRGRY**
Satin Nickel Plated	**CFBS1R6CVRNKL**	**CFBS1R6FFCVRNKL**



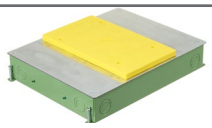


*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover. See page R-5 for round cover finishes.*
***Find replacement plugs on FRPT section (page R-18).*

Dimensions in Inches (mm)

SystemOne Recessed 4-Gang Floor Boxes and Covers, for Use In Concrete Floors

ScrubShield® c UL us
Complies with UL514A

Style / Box Type	Rectangular Cover		Round Cover	
				
Standard Box Corrosion-Resistant (On-grade)	**CFB4G30E CFB4G30CRE**	**CFB4G25E CFB4G25CRE**	**CFB4G30RE CFB4G30RCRE**	**CFB4G25RE CFB4G25RCRE**
Recommended Pour Depth	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)
Min. Depth of Pour	3.00" (76.2)	2.50" (63.5)	3.75" (95.3)	3.25" (82.6)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity per Gang	51.0 cu. in. (835.0 cm³)	41.5 cu. in. (680.0 cm³)	51.0 cu. in. (835.0 cm³)	41.5 cu. in. (680.0 cm³)
Dimensions – A	3.00" (76.2)	2.50" (63.5)	–	–
Dimensions – B	11.33" (276.5)	11.20" (284.5)	11.20" (284.5)	11.20" (284.5)
Dimensions – C	14.57" (370.1)	14.57" (370.1)	14.57" (370.1)	14.57" (370.1)
Dimensions – D	–	–	8.37" (212.5) TYP.	8.37" (212.5) TYP.
Dimensions – E	3.50" (88.9)	3.00" (76.2)	3.75" (95.3)	3.25" (82.6)
KO Trade Size: Ends Sides Bottom	(4) 1/2", 3/4", 1", 1-1/4" (4) 3/4", 1", 1-1/4", 2"* (4) 1/2", 3/4", 1", 1-1/4"	(4) 1/2", 3/4", 1" (4) 1/2", 3/4", 1" (4) 1/2", 3/4", (4) 1", 1-1/4"	(4) 1/2", 3/4", 1", 1-1/4" (4) 3/4", 1", 1-1/4", 2"* (4) 1/2", 3/4", 1", 1-1/4"	(4) 1/2", 3/4", 1" (4) 1/2", 3/4", 1" (4) 1/2", 3/4", 1", 1-1/4"
Cover Style	Rectangular	Rectangular	Round	Round
2 Inch Hub Compatible	Yes	No	Yes	No

Note: UL File Number E31999. Boxes include concrete covers.
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1-1/4" PVC conduits.*

Rectangular Covers

- Compatible with CFB4G25, CFB4G25CR, CFB4G30 and CFB4G30CR Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers ship with low voltage dividers

	Surface Cover Dimensions 11-11/16 in. x 7-3/16 in.			Flush Cover Dimensions 10-11/16 in. x 6-3/16 in.		
Finish	**Without Insert**	**With Insert**	**Furniture Feed (1 in. and 2 in. Plugs)**	**Without Insert**	**With Insert**	**Furniture Feed (1 in. and 2 in. Plugs)**
Aluminum Powder Coat	**24GCCVRALU**	**24GCCVRALUC**	**24GCFFCVRALU**	**24GTCVRALU**	**24GTCVRALUC**	**24GTFFCVRALU**
Black Powder Coat	**24GCCVRBK**	**24GCCVRBKC**	**24GCFFCVRBK**	**24GTCVRBK**	**24GTCVRBKC**	**24GTFFCVRBK**
Brass Powder Coat	**24GCCVRBRS**	**24GCCVRBRSC**	**24GCFFCVRBRS**	**24GTCVRBRS**	**24GTCVRBRSC**	**24GTFFCVRBRS**
Bronze Powder Coat	**24GCCVRBRZ**	**24GCCVRBRZC**	**24GCFFCVRBRZ**	**24GTCVRBRZ**	**24GTCVRBRZC**	**24GTFFCVRBRZ**
Satin Nickel Powder Coat	**24GCCVRNK**	**24GCCVRNKC**	**24GCFFCVRNK**	**24GTCVRNK**	**24GTCVRNKC**	**24GTFFCVRNK**

Available finishes



Aluminum | Black | Brass | Bronze | Satin Nickel

8 Inch Round Covers

- Compatible with CFB4G25R, CFB4G25RCR, CFB4G30R and CFB4G30RCR Series Floor Boxes
- Cover flanges have a 9-1/2 in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers - 180° access with 2 cable egress doors
- Furniture Feed covers ship with low voltage dividers

Finish	Flush Surface	Furniture Feed (1 in. and 2 in. Plugs)
Brushed Aluminum	**CFBS1R8CVRALU**	**CFBS1R8FFCVRALU****
Black Powder Coat	**CFBS1R8CVRBLK**	**CFBS1R8FFCVRBLK****
Brass Plated	**CFBS1R8CVRBRS**	**CFBS1R8FFCVRBRS****
Antique Bronze Plated	**CFBS1R8CVRBRZ**	**CFBS1R8FFCVRBRZ****
Gray Powder Coat	**CFBS1R8CVRGRY**	**CFBS1R8FFCVRGRY****
Satin Nickel Plated	**CFBS1R8CVRNKL**	**CFBS1R8FFCVRNKL****

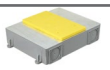


*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*
***For 4-gang box dual service, CFBS1R8FF4GDIVKIT required with Furniture Feed covers. Purchased separately. See page R-5 for round cover finishes.*
****Find replacement plugs on FRPT section (page R-14).*

Dimensions in Inches (mm)

SystemOne Recessed 4-Gang Floor Boxes and Covers, for Use In Concrete Floors

ScrubShield® c UL us
Complies with UL514A

Style / Box Type	Rectangular Cover		Round Cover	
				
PVC Base Box (On-grade) Cast Iron Box (On-grade)	**CFB4G30PFBE** **–**	**CFB4G30PFBRE** **–**	**–** **CFB4G30CI**	**–** **CFB4G30RCI**
Recommended Pour Depth	3.75" (95.3)	4.00 (101.6)	3.75" (95.3)	4.00" (101.6)
Min. Depth of Pour	3.25" (82.6)	4.00 (101.6)	3.25" (82.6)	4.00" (101.6)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity per Gang	51.0 cu. in. (835.0 cm³)	51.0 cu. in. (835.0 cm³)	30.0 cu. in. (491.7 cm³)	30.0 cu. in. (491.7 cm³)
Dimensions – A	3.25" (82.6)	–	3.25" (82.6)	–
Dimensions – B	11.20" (284.5)	11.20" (284.5)	11.44" (290.5)	11.44" (290.5)
Dimensions – C	15.70" (398.8)	15.70" (398.8)	13.19" (335.1)	13.19" (335.1)
Dimensions – D	–	8.37" (212.5) TYP.	–	8.37" (212.5) TYP.
Dimensions – E	3.75" (95.3)	4.00 (101.6)	3.75" (95.3)	4.00" (101.6)
KO Trade Size: Ends	–	–	(4) 1-1/2" NPT Thread	(4) 1-1/2" NPT Thread
KO Trade Size: Sides	Requires Drilling Openings. PVC Conduit Only: 1-1/4" Maximum Size*	Requires Drilling Openings. PVC Conduit Only: 1-1/4" Maximum Size*	(4) 3/4" NPT Thread	(4) 3/4" NPT Thread
KO Trade Size: Bottom	Requires Drilling Openings. PVC Conduit Only: 1-1/2" Maximum Size	Requires Drilling Openings. PVC Conduit Only: 1-1/2" Maximum Size	–	–
Cover Style	Rectangular	Round	Rectangular	Round
2 Inch Hub Compatible	Yes	Yes	No	No

Note: UL File Number E31999. Boxes include concrete covers.
**Requires PVC Hubs, CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1-1/4" PVC conduits.*

Rectangular Covers

- Compatible with CFB4G25, CFB4G25CR, CFB4G30 and CFB4G30CR Series Floor Boxes CFB4G30PFBE
- Two large cable egress doors and access 180° opening
- Maximum static load of 800 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers ship with low voltage dividers

Finish	Surface Cover Dimensions 11-11/16 in. x 7-3/16 in.			Flush Cover Dimensions 10-11/16 in. x 6-3/16 in.		
	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)	Without Insert	With Insert	Furniture Feed (1 in. and 2 in. Plugs)
Aluminum Powder Coat	**24GCCVRALU**	**24GCCVRALUC**	**24GCFFCVRALU**	**24GTCVRALU**	**24GTCVRALUC**	**24GTFFCVRALU**
Black Powder Coat	**24GCCVRBK**	**24GCCVRBKC**	**24GCFFCVRBK**	**24GTCVRBK**	**24GTCVRBKC**	**24GTFFCVRBK**
Brass Powder Coat	**24GCCVRBRS**	**24GCCVRBRSC**	**24GCFFCVRBRS**	**24GTCVRBRS**	**24GTCVRBRSC**	**24GTFFCVRBRS**
Bronze Powder Coat	**24GCCVRBRZ**	**24GCCVRBRZC**	**24GCFFCVRBRZ**	**24GTCVRBRZ**	**24GTCVRBRZC**	**24GTFFCVRBRZ**
Satin Nickel Powder Coat	**24GCCVRNK**	**24GCCVRNKC**	**24GCFFCVRNK**	**24GTCVRNK**	**24GTCVRNKC**	**24GTFFCVRNK**

Available finishes



8 Inch Round Covers

- Compatible with CFB4G25R, CFB4G25RCR, CFB4G30R, and CFB4G30RCR Series Floor Boxes CFB4G30PFBRE
- Cover flanges have a 9-1/2 in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers - 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

Finish	Flush Surface	Furniture Feed (1 in. and 2 in. Plugs)
Brushed Aluminum	**CFBS1R8CVRALU**	**CFBS1R8FFCVRALU****
Black Powder Coat	**CFBS1R8CVRBLK**	**CFBS1R8FFCVRBLK****
Brass Plated	**CFBS1R8CVRBRS**	**CFBS1R8FFCVRBRS****
Antique Bronze Plated	**CFBS1R8CVRBRZ**	**CFBS1R8FFCVRBRZ****
Gray Powder Coat	**CFBS1R8CVRGRY**	**CFBS1R8FFCVRGRY****
Satin Nickel Plated	**CFBS1R8CVRNKL**	**CFBS1R8FFCVRNKL****



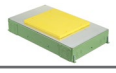


*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*
***For 4-gang box dual service, CFBS1R8FF4GDIVKIT required with Furniture Feed covers. Purchased separately. See page R-5 for round cover finishes.*
****Find replacement plugs on FRPT section (page R-14).*

Dimensions in Inches (mm)

SystemOne Recessed 6-Gang Floor Boxes and Covers, for Use In Concrete Floors

ScrubShield® Complies with UL514A

Style / Box Type	Rectangular Cover		Round Cover	
				
Standard Box Corrosion-Resistant (On-grade)	**CFB6G30E** **–**	**–** **CFB6G30CRE**	**CFB6G30RE** **–**	**–** **CFB6G30RCRE**
Recommended Pour Depth	3.50" (88.9)	3.50" (88.9)	3.75" (95.3)	3.75" (95.3)
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.75" (95.3)	3.75" (95.3)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm³) Capacity per Gang	108.5 cu. in. (1778 cm³)	108.5 cu. in. (1778 cm³)	108.5 cu. in. (1778 cm³)	108.5 cu. in. (1778 cm³)
Cubic Inch (cm³) Sides - Capacity/ Gang	33.0 cu. in. (510 cm³)	33.0 cu. in. (510 cm³)	33.0 cu. in. (510 cm³)	33.0 cu. in. (510 cm³)
Dimensions – A	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Dimensions – B	11.54" (293.0)	11.54" (293.0)	11.54" (293.0)	11.54" (293.0)
Dimensions – C	19.68" (499.9)	19.68" (499.9)	19.68" (499.9)	19.68" (499.9)
Dimensions – D	–	–	8.37" (212.5) TYP.	8.37" (212.5) TYP.
Dimensions – E	3.50" (88.9)	3.50" (88.9)	3.75" (95.3)	3.75" (95.3)
KO Trade Size: Ends Sides Bottom	(4) 1/2", 3/4", 1", 1-1/4" (4) 3/4", 1", 1-1/4", 2"*, (4) 1/2", 3/4" (4) 1/2", 3/4", 1", 1-1/4", (4) 1/2", 3/4"	(4) 1/2", 3/4", 1", 1-1/4" (4) 3/4", 1", 1-1/4", 2"*, (4) 1/2", 3/4" (4) 1/2", 3/4", 1", 1-1/4", (4) 1/2", 3/4"	(4) 1/2", 3/4", 1", 1-1/4" (4) 3/4", 1", 1-1/4", 2"*, (4) 1/2", 3/4" (4) 3/4", 1", 1-1/4", (4) 1/2", 3/4"	(4) 1/2", 3/4", 1", 1-1/4" (4) 3/4", 1", 1-1/4", 2"*, (4) 1/2", 3/4" (4) 3/4", 1", 1-1/4", (4) 1/2", 3/4"
Cover Style	Rectangular	Rectangular	Round	Round
2 Inch Hub Compatible	Yes	Yes	Yes	Yes

Note: UL File Number E31999. Boxes include concrete covers.
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1-1/4" PVC conduits.*

Rectangular Covers

- Compatible with CFB6G30 and CFB6G30CR Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors
- Furniture Feed covers dividers purchased separately

Finish	Surface Cover Dimensions 11-1/2 in. x 10 in.			Flush Cover Dimensions 10-1/2 in. x 9 in.		
	Without Insert	With Insert	Furniture Feed ((2)1 in. and (2) 2 in. Plugs)	Without Insert	With Insert	Furniture Feed ((2)1 in. and (2) 2 in. Plugs)
Aluminum Powder Coat	**610GCCVRALU**	**610GCCVRALUC**	**610GCFFCVRALU***	**610GTCVRALU**	**610GTCVRALUC**	**610GTFFCVRALU***
Black Powder Coat	**610GCCVRBK**	**610GCCVRBKC**	**610GCFFCVRBK***	**610GTCVRBK**	**610GTCVRBKC**	**610GTFFCVRBK***
Brass Powder Coat	**610GCCVRBRS**	**610GCCVRBRSC**	**610GCFFCVRBRS***	**610GTCVRBRS**	**610GTCVRBRSC**	**610GTFFCVRBRS***
Bronze Powder Coat	**610GCCVRBRZ**	**610GCCVRBRZC**	**610GCFFCVRBRZ***	**610GTCVRBRZ**	**610GTCVRBRZC**	**610GTFFCVRBRZ***
Satin Nickel Powder Coat	**610GCCVRNK**	**610GCCVRNKC**	**610GCFFCVRNK***	**610GTCVRNK**	**610GTCVRNKC**	**610GTFFCVRNK***

*Note: * For 6-gang box dual service, CFB6FFDIVKIT required with Furniture Feed covers. Purchased separately.*

Available finishes



8 Inch Round Covers

- Compatible with CFB6G30R and CFB6G30RCR Series Floor Boxes
- Cover flanges have a 9-1/2 in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers - 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

Finish	Flush Surface	Furniture Feed (1 in.and 2 in. Plugs)
Brushed Aluminum	**CFBS1R8CVRALU**	**CFBS1R8FFCVRALU****
Black Powder Coat	**CFBS1R8CVRBLK**	**CFBS1R8FFCVRBLK****
Brass Plated	**CFBS1R8CVRBRS**	**CFBS1R8FFCVRBRS****
Antique Bronze Plated	**CFBS1R8CVRBRZ**	**CFBS1R8FFCVRBRZ****
Gray Powder Coat	**CFBS1R8CVRGRY**	**CFBS1R8FFCVRGRY****
Satin Nickel Plated	**CFBS1R8CVRNKL**	**CFBS1R8FFCVRNKL****





*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*
***For 6-gang box dual service, CFBS1R8FF6GDIVKIT required with Furniture Feed covers. Purchased separately. See page R-5 for round cover finishes.*
****Find replacement plugs on FRPT section (page R-14).*

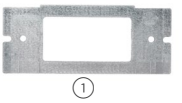
Dimensions in Inches (mm)

ScrubShield® c UL us
Complies with UL514A

Plates for Use in SystemOne 2, 4 and 6-Gang Floor Boxes

- UL 514A Listed

Cat. No.	Plate Style	Cat. No.	Plate Style
FBMPREC ①	(1) Decorater Opening	FBMPDUP ②	(1) Duplex Opening
FBMP139	(1) Simplex Opening 1.40 in. Diameter	FBMP156	(1) Twist-Lock® Opening 1.60 in. Diameter
FBMP6DJ ④	(1) Hubbell Keystone Jack Openings and (4) Jack KOs with Label Field	FBMP6KS ⑤	(1) Opening with Hubbell 6-Port Frame for Keystone Jacks Frame for Keystone Jacks
FBMP15IM	(1) 1.5U Hubbell iStation Opening	FBMP2IM	(2) 1U Hubbell iStation Openings
FBMPBNK ③	1-Gang Blank Plate	FBMPFT	Cable Feed Though with Bushing
FBMPAAP	(2) Extron® AAP Openings	FBMPMAAP	(2) Extron® MAAP Openings
FBMPTRAC	(1) Opening for Tracjack® or Seies II®	FBMPSIEMONCT	Siemon CT Series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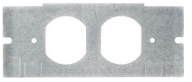
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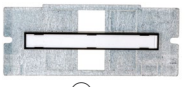
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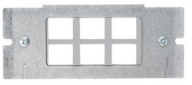
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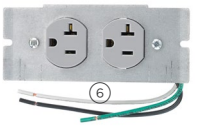
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Pre-Wired Device Plates

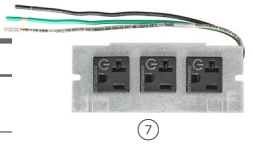
- Reduces wiring and installation times
- 8 in. stranded leads mounted to the face plate

Description	Type	20A
Duplex, gray.	Standard Tamper-Resistant	PWFBMPCR20GRY ⑥ PWFBMPCR20GRYTR
Decorator, gray.	Standard Tamper-Resistant	PWFBMPDR20GRY PWFBMPDR20GRYTR
2-Cubes, single circuit.	Standard Marked Controlled	PWFBMP2R* PWFBMP2RC*
3-Cubes, single circuit.	Standard Marked Controlled	PWFBMP3R* PWFBMP3RC* ⑦

*Note: *Includes Isolated Ground Sticker*

Accessories

Description		Catalog Number
(1) 2" threaded zinc hub for use with CFB2G30, CFB4G30 and CFB6G30 series floor boxes; replaces CFBKOPLATE.		CFBHUB2 ⑧
(2) 1-1/4" PVC hubs with reducers for use with CFB2G30, CFB4G30 and CFB6G30 floor boxes; replaces CFBKOPLATE. Reducers includes: (2) 1" Reducers, (2) 3/4" Reducers, and (2) 1/2" Reducers/Plugs.		CFBHUB125PVC
(2) 2" PVC hubs with reducers for use with CFB2G30, CFB4G30 and CFB6G30 floor boxes; replaces CFBKOPLATE. Reducers includes: (2) 1-1/2" Reducers, (2) 1-1/4" Reducers, and (2) 1" Reducers/Plugs.		CFBHUB200PVC ⑨
Replacement knock-out plate.	Standard Epoxy Coating	CFBKOPLATE CFBKOPLATECR
ETERNAL™ Replacement Round Cover Adapter, 2-Gang Floor Box.		CFB2GS1R6ADAPTE
ETERNAL™ Replacement Round Cover Adapter, 4-Gang Floor Box.		CFB4GS1R8ADAPTE
ETERNAL™ Replacement Round Cover Adapter, 6-Gang Floor Box.		CFB6GS1R8ADAPTE
CFB4G box series replacement dividers. CFB6G box series replacement dividers.		CFB4GDIVKIT CFB6GEDIVKIT
Stackable ring to increase box height and concrete pour depth by 3/4 in. increments above top plane of floor box. One ring per 3/4 in. depth increase. **Must be installed before concrete pour.**	2-Gang	4 and 6-Gang
	CFB6RCVRR075	CFB8RCVRR075
Finished floor height adjustment ring - **increase post pour adjustment**; use with round cover series.	0 - 1/4 in. 1/4 in. - 1/2 in. 1/2 in. - 3/4 in.	CFB6RCVRR1* CFB6RCVRR2 ⑩ CFB6RCVRR3	CFB8RCVRR1** CFB8RCVRR2 CFB8RCVRR3
	2 and 4-Gang	6-Gang
Rectangular pre-pour 1/2 in. extension caps (2 pack).	24GEXTENDCAP2PK ⑪	610GEXTENDCAP2PK
Replacement temporary rectangular steel and yellow concrete pre-pour covers.	24GTEMPCVR	610GTEMPCVR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*Note: *Included with standard CFB2G30R and CFB2G25R series floor boxes.*
***Included with standard CFB4G30R, CFB4G25R and CFB6G30R series floor boxes.*

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Dimensions in Inches (mm)

SystemOne Recessed 4/5-Gang Floor Boxes and Covers, for Use In Concrete Floors

ScrubShield® Complies with UL514A

Style / Box Type	Rectangular Cover		Round Cover	
				
Standard Box Corrosion-Resistant (On-grade)	**CFB45G55E** **–**	**–** **CFB45G55CRE**	**CFB45G55RE** **–**	**–** **CFB45G55RCRE**
Recommended Pour Depth	6.00" (152.4)	6.00" (152.4)	6.25" (158.8)	6.25" (158.8)
Min. Depth of Pour	5.50" (139.7)	5.50" (139.7)	6.25" (158.8)	6.25" (158.8)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm^3) Capacity per Gang	99/105 cu. in.	99/105 cu. in.	99/105 cu. in.	99/105 cu. in.
	(1621/1721 cm^3)	(1621/1721 cm^3)	(1621/1721 cm^3)	(1621/1721 cm^3)
Dimensions – A	5.59" (142.0)	5.59" (142.0)	–	–
Dimensions – B	11.09" (281.6)	11.09" (281.6)	11.09" (281.6)	11.09" (281.6)
Dimensions – C	14.14" (359.2)	14.14" (359.2)	14.14" (359.2)	14.14" (359.2)
Dimensions – D	–	–	8.37" (212.5) TYP.	8.37" (212.5) TYP.
Dimensions – E	5.50" (139.7)	5.50" (139.7)	6.25" (158.8)	6.25" (158.8)
KO Trade Size: Ends Sides Bottom	(2) 3/4", 1", 1-1/4", 2"* (2) 3/4", 1", 1-1/4", 2"* (2) 1/2", 3/4", 1", 1-1/4	(2) 3/4", 1", 1-1/4", 2"* (2) 3/4", 1", 1-1/4", 2"* (2) 1/2", 3/4", 1", 1-1/4	(2) 3/4", 1", 1-1/4", 2"* (2) 3/4", 1", 1-1/4", 2"* (2) 1/2", 3/4", 1", 1-1/4	(2) 3/4", 1", 1-1/4", 2"* (2) 3/4", 1", 1-1/4", 2"* (2) 1/2", 3/4", 1", 1-1/4
Cover Style	Rectangular	Rectangular	Round	Round
2 Inch Hub Compatible	Yes	Yes	Yes	Yes

Note: UL File Number E31999. Boxes include concrete covers.
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1-1/4" PVC conduits.*

Rectangular Covers

- Compatible with CFB45G55E and CFB45G55CRE
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications: Tile, finished concrete and Terrazzo floors

	Cover Dimensions 11-1/2 in. x 10 in.		Cover Dimensions 10-1/2 in. x 9 in.	
Finish	**Surface**	**Surface with Insert**	**Flush**	**Flush with Insert**
Aluminum Powder Coat	**610GCCVRALU**	**610GCCVRALUC**	**610GTCVRALU**	**610GTCVRALUC**
Black Powder Coat	**610GCCVRBK**	**610GCCVRBKC**	**610GTCVRBK**	**610GTCVRBKC**
Brass Powder Coat	**610GCCVRBRS**	**610GCCVRBRSC**	**610GTCVRBRS**	**610GTCVRBRSC**
Bronze Powder Coat	**610GCCVRBRZ**	**610GCCVRBRZC**	**610GTCVRBRZ**	**610GTCVRBRZC**
Satin Nickel Powder Coat	**610GCCVRNK**	**610GCCVRNKC**	**610GTCVRNK**	**610GTCVRNKC**

Available finishes



8 Inch Round Covers

- Compatible with CFB45G55RE and CFB45G55RCRE
- Cover flanges have a 9-1/2 in. diameter and 0.15 in. height
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors

Finish	Surface
Brushed Aluminum	**CFBS1R8CVRALU**
Black Powder Coat	**CFBS1R8CVRBLK**
Brass Plated	**CFBS1R8CVRBRS**
Antique Bronze Plated	**CFBS1R8CVRBRZ**
Gray Powder Coat	**CFBS1R8CVRGRY**
Satin Nickel Plated	**CFBS1R8CVRNKL**

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover. See page Q-6 for round cover finishes.*



Dimensions in Inches (mm)

SystemOne Recessed 8†/10-Gang Floor Boxes and Covers, for Use In Concrete Floors

ScrubShield® Complies with UL514A

Style / Box Type	Rectangular Cover		Round Cover	
Standard Box Corrosion-Resistant (On-grade)	CFB10G55E –	– CFB10G55CRE	CFB10G55RE –	– CFB10G55RCRE
Recommended Pour Depth	6.00" (152.4)	6.00" (152.4)	6.25" (158.8)	6.25" (158.8)
Min. Depth of Pour	5.50" (139.7)	5.50" (139.7)	6.25" (158.8)	6.25" (158.8)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm^3) Capacity per Gang	35.0/69.5/99.0 cu. in. 574/1139/1622 cm^3)	35.0/69.5/99.0 cu. in. (574/1139/1622 cm^3)	35.0/69.5/99.0 cu. in. (574/1139/1622 cm^3)	35.0/69.5/99.0 cu. in. 574/1139/1622 cm^3)
Dimensions – A	5.59" (142.0)	5.59" (142.0)	–	–
Dimensions – B	11.09" (281.6)	11.09" (281.6)	11.09" (281.6)	11.09" (281.6)
Dimensions – C	14.14" (359.2)	14.14" (359.2)	14.14" (359.2)	14.14" (359.2)
Dimensions – D	–	–	8.37" (212.5) TYP.	8.37" (212.5) TYP.
Dimensions – E	5.50" (139.7)	5.50" (139.7)	6.25" (158.8)	6.25" (158.8)
KO Trade Size: Ends Sides Bottom	(2) 1/2", 3/4", (4) 1/2", 3/4", 1", 1-1/4", 1-1/2" (2) 3/4", 1", 1-1/4", 2"** (2) 1/2", 3/4", (4) 1/2", 3/4", 1", 1-1/4"	(2) 1/2", 3/4", (4) 1/2", 3/4", 1", 1-1/4", 1-1/2" (2) 3/4", 1", 1-1/4", 2"** (2) 1/2", 3/4", (4) 1/2", 3/4", 1", 1-1/4"	(2) 1/2", 3/4", (4) 1/2", 3/4", 1", 1-1/4", 1-1/2" (2) 3/4", 1", 1-1/4", 2"** (2) 1/2", 3/4", (4) 1/2", 3/4", 1", 1-1/4"	(2) 1/2", 3/4", (4) 1/2", 3/4", 1", 1-1/4", 1-1/2" (2) 3/4", 1", 1-1/4", 2"** (2) 1/2", 3/4", (4) 1/2", 3/4", 1", 1-1/4"
Cover Style	Rectangular	Rectangular	Round	Round
2 Inch Hub Compatible	Yes	Yes	Yes	Yes

*Note: **Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1- 1/4" PVC conduits.*

Rectangular Covers

- Compatible with **CFB10G55** and **CFB10G55CR** Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,500 lbs. with 2x safety factor*
- Surface style typical applications: Carpet, VCT
- Flush style typical applications:Tile, finished concrete and Terrazzo floors
- Furniture Feed covers dividers purchased separately

Finish	Surface Cover Dimensions 11-1/2 in. x 10 in.			Flush Cover Dimensions 10-1/2 in. x 9 in.		
	Without Insert	With Insert	Furniture Feed ((2)1 in. and (2) 2 in. Plugs)	Without Insert	With Insert	Furniture Feed ((2)1 in. and (2) 2 in. Plugs)
Aluminum Powder Coat	610GCCVRALU	610GCCVRALUC	610GCFFCVRALU*	610GTCVRALU	610GTCVRALUC	610GTFFCVRALU*
Black Powder Coat	610GCCVRBK	610GCCVRBKC	610GCFFCVRBK*	610GTCVRBK	610GTCVRBKC	610GTFFCVRBK*
Brass Powder Coat	610GCCVRBRS	610GCCVRBRSC	610GCFFCVRBRS*	610GTCVRBRS	610GTCVRBRSC	610GTFFCVRBRS*
Bronze Powder Coat	610GCCVRBRZ	610GCCVRBRZC	610GCFFCVRBRZ*	610GTCVRBRZ	610GTCVRBRZC	610GTFFCVRBRZ*
Satin Nickel Powder Coat	610GCCVRNK	610GCCVRNKC	610GCFFCVRNK*	610GTCVRNK	610GTCVRNKC	610GTFFCVRNK*

*Note: * For 10-gang box dual service, CFB10FFDIVKIT required with Furniture Feed covers. Purchased separately.*

Available finishes

Aluminum | Black | Brass | Bronze | Satin Nickel

8 Inch Round Covers

- Compatible with **CFB10G55R** and **CFB10G55RCR** Series Floor Boxes
- Two large cable egress doors and access 180° opening
- Maximum static load of 1,000 lbs. with 2x safety factor*
- Recessed covers- 180° access with 2 cable egress doors
- Furniture Feed covers dividers purchased separately

Finish	Flush Surface	Furniture Feed (1 in.and 2 in. Plugs)
Brushed Aluminum	CFBS1R8CVRALU	CFBS1R8FFCVRALU**
Black Powder Coat	CFBS1R8CVRBLK	CFBS1R8FFCVRBLK**
Brass Plated	CFBS1R8CVRBRS	CFBS1R8FFCVRBRS**
Antique Bronze Plated	CFBS1R8CVRBRZ	CFBS1R8FFCVRBRZ**
Gray Powder Coat	CFBS1R8CVRGRY	CFBS1R8FFCVRGRY**
Satin Nickel Plated	CFBS1R8CVRNKL	CFBS1R8FFCVRNKL**





*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*
*** For 6-gang box dual service, CFBS1R8FF10GDIVKIT required with Furniture Feed covers. Purchased separately. See page R-5 for round cover finishes.*
†UL File Number E31999. Boxes include concrete covers. FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.
****Find replacement plugs on FRPT section (page R-14).*

Dimensions in Inches (mm)

ScrubShield® Complies with UL514A

Plates for Use in SystemOne 4/5 & 8*/10-Gang Floor Boxes

- UL 514A listed

Cat. No.	Plate Style	Cat. No.	Plate Style
FB10MPREC ①	(1) Decorater Opening	FB10MPDUP ②	(1) Duplex Opening
FB10MPBNK	1-Gang Blank Plate	FB10MPKEY	(1) Opening with Hubbell 6-Port Frame for Keystone Jacks Frame for Keystone Jacks
FB10MPTRAC	(2) Openings for (6) Ortronics TracJack®	FB10MPFT	Cable Feed Through with Bushing
Cat. No	**Two Gang Plate Style**	**Cat. No**	**Two Gang Plate Style**
FB10MP2A ③	Decorator Openings	FB10MP2E ④	Duplex Openings
FB10TLX	(1) Simplex Opening 1.40 in. Diameter	FB10TLA	(1) Twist-Lock® Opening 1.60 in. Diameter
FB10MP2B	(6) 1U Hubbell iStation Modules	FB10MPMAAP	Siemon CT Series
FB10MPAAP	(4) Extron® AAP Openings		
Cat. No	**Three Gang Plate Style**	**Cat. No**	**Three Gang Plate Style**
FB10TLY	(2) Simplex Opening 1.40 in. Diameter	FB10TLB	(3) Twist-Lock® Opening 1.60 in. Diameter
FB10MP3GAPP ⑤	(1) Opening for Applicance Receptacle, requries 2-Gang industry plate for trim out		
Cat. No	**Five Gang Plate Style**	**Cat. No**	**Five Gang Plate Style**
FB10TLC	(3) Simplex Opening 1.40 in. Diameter	FB10TLZ	Twist-Lock® Opening 1.60 in. Diameter
FB10MPNEMA2XG ⑥	(2) 2-Gang. Meets NEMA Spacing. Ideal for Crestron® DM —TX Product and Power. Ships with Low Voltage Divider.	FB10MPNEMA4G ⑦	(4) Single Service Openings Utilizing NEMA Wallplate. (No Low Voltage Divider Option)

*Note: *Use with FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.*


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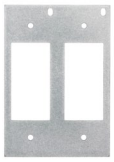
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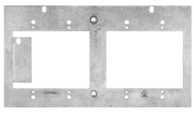
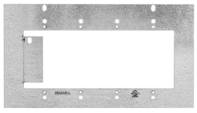
⑥ 

⑦ 

Pre-Wired Device Plates

- Reduces wiring and installation times
- 8 inch stranded leads mounted to the face plate

Description	Type	20A
Duplex, gray.	Standard Tamper-Resistant	PWFB10MPCR20GRY ⑨ PWFB10MPCR20GRYTR
Decorator, gray.	Standard Tamper-Resistant	PWFB10MPDR20GRY ⑧ PWFB10MPDR20GRYTR


⑧


⑨

Accessories

Description		Catalog Number
(1) 2" threaded zinc hub for use with CFB45G55 and CFB10G55 series floor boxes; replaces CFBKOPLATE.		CFBHUB2
(2) 1-1/4" PVC hubs with reducers for use with CFB45G55 and CFB10G55 series floor boxes; replaces CFBKOPLATE. Reducers include: (2) 1" reducer, (2) 3/4" reducers, and (2) 1/2" Reducer/Plugs.		CFBHUB125PVC
(2) 2" PVC hubs with reducers for use with CFB45G55 and CFB10G55 series floor boxes; replaces CFBKOPLATE. Reducers include: (2) 1-1/2" reducers, (2) 1-1/4" reducers, and (2) 1" Reducer/Plugs.		CFBHUB200PVC ⑩
Replacement knock-out plates.	Standard Expoxy Coating	CFBKOPLATE CFBKOPLATECR
ETERNAL™ Replacement Round Cover Adapter, 10-gang Floor Box.		CFB4510GS1R8ADAPTE
Stackable ring to increase box height and concrete pour depth by 3/4 in. increments above top plane of floor box. One ring per 3/4 in. depth increase. **Must be installed before concrete pour.**		CFB8RCVRR075
Finished floor height adjustment ring - **increase post pour adjustment;** use with round cover series.	0 - 1/4 in. 1/4 in. - 1/2 in. 1/2 in. - 3/4 in.	CFB8RCVRR1* CFB8RCVRR2 ⑪ CFB8RCVRR3
Rectangular pre-pour 1/2 in. extension caps (2 pack).		610GEXTENDCAP2PK ⑫
Replacement temporary rectangular steel and yellow concrete pre-pour covers.		610GTEMPCVR
Replacement spacer around wire-way.		FB10MPX
Replacement divider.		FB4510GDIV


⑩


⑪


⑫

*Note: *Included with standard CFB45G55R and CFB10G55R series floor boxes.*

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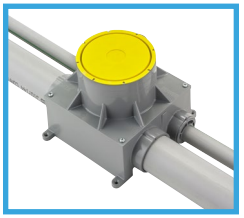
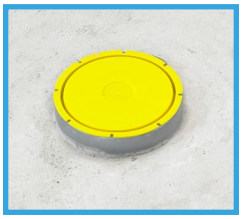
Dimensions in Inches (mm)

The Next Big Step In Innovation

ScrubShield® c UL us
Complies with UL514A



Locate installation area and connect conduits



Pour concrete



Cut box top level with concrete



Install flooring



Install Adjustable Mounting Cup and level with finished flooring CFBS1R4CUP



Wire devices into box



Finish with cover CFBS1R4CVR

Installing the Fully Adjustable Mounting Cup

During a concrete pour installation a floor box can become buried, other times the thickness of the floor covering can change. We have solved these issues with the integral, patented, adjustable mounting cup which adjusts the device mounting depth to 3 inches to accommodate any plug, no matter the floor thickness. Additionally, this is helpful for engineered flooring on the concrete; the adjustable mounting cup allows for post pour upwards adjustment of up to 1-1/2 inches.

Recessed and Furniture Feed Activation is available with all 4 Inch Recessed Floor Boxes by selecting the correct adjustable mounting cup for the application.



Recessed Activation



Non-Metallic Adjustable 4 inch Floor Box



Finish with cover S1R4FFCVR



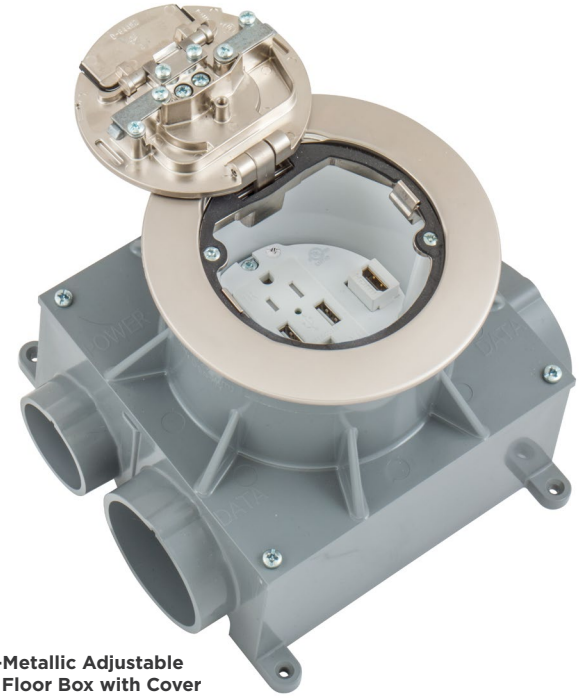
Furniture Feed Activation

ScrubShield® c UL us
Complies with UL514A

SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

The Hubbell SystemOne Fully Adjustable Recessed Floor Box is the next step in a long line of quality products delivering power, data and AV for any application. The challenge of a recessed adjustable floor box is the device depth would vary for different floor thicknesses, other times the floor box can become buried in the concrete pour. We have solved these issues with the integral, patented, mounting cup which adjusts the device mounting depth to 3 inches to accommodate any plug, no matter the floor thickness. Additionally, this is helpful for engineered flooring on the concrete; the adjustable mounting cup allows for post pour upwards adjustment of up to 1-1/2 inches. This feature is particularly accommodating when the final flooring is unknown at the time concrete is being poured.

Utilizing the same cover design as our 4 Inch Recessed Fire-Rated Poke-Throughs, a common look is now possible anywhere in a building, on grade or above grade.

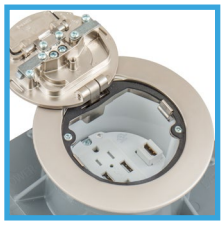


Non-Metallic Adjustable 4 inch Floor Box with Cover



Box Design

- Up to 2 inch conduit ready (Cast iron maximum conduit - 1-1/2 inches)
- Available in PVC, stamped steel, epoxy coated stamped steel or cast iron construction
- cULus Listed - Scrubwater compliant



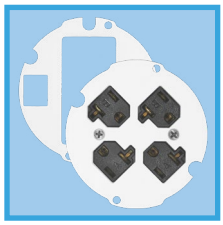
Covers

- Durable die-cast aluminum
- 1,000 lbs, static load rated cover
- Available in six architectural finishes
- Low profile flange, 0.15 inch exceeds ADA requirements
- 5.50″ diameter flange



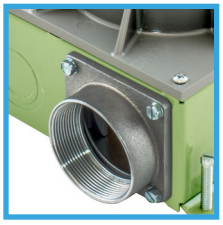
Adjustable Mounting Cups

- 3 inch deep access chamber
- Patented post pour adjustable mounting cup with teeth spaced in 5/32 inch increments allows for up to 1-1/2 inches of upward adjustability from the lowest position, ideal for engineered flooring
- High visibility white cup for making easy connections



Easy Mount Device Plates

- Recessed connections
- Single service or dual service
- Multiple, open architecture mounting plates for power, data and AV



2 Inch Conduit Ready

- To meet expanding AV and data needs, the Hubbell SystemOne Recessed Floor Box line readily accepts 2 inch conduits with the use of a 2 inch threaded conduit hub - CFBHUB2 sold separately



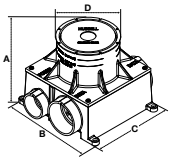
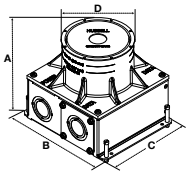
Furniture Feed Cover Design

- Compatible with recessed covers
- Seamless one piece cast aluminum design
- (1) 3/4 inch threaded hub for power
- (1) 1-1/2 inch threaded hub for low voltage
- 0.15″ flange height, 5.50″ diameter flange

Fully Adjustable 4 inch Floor Boxes and Covers

SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

ScrubShield® c UL us
Complies with UL514A

Style		Cast Iron	Corrosion-Resistant	Stamped Steel	Non-Metallic
					
Cast Iron / Non-Metallic	Stamped Steel	CFBS1R4CFB	CFBS1R4SFBCR	CFBS1R4SFB	CFBS1R4PFB
Min. Depth of Pour		5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)
Max. Pour Depth		6.00" (152.4)	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Cubic Inch (cm^3) Capacity		72.0 cu. in. (1180 cm^3)	80.0 cu. in. (1311 cm^3)	80.0 cu. in. (1311 cm^3)	67.0 cu. in. (1098 cm^3)
Dimensions – A		6.00" (152.4)	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B		7.60" (193.0)	7.40" (188.0)	7.40" (188.0)	7.85" (199.4)
Dimensions – C		6.58" (167.1)	6.32" (160.6)	6.32" (160.6)	6.45" (163.8)
Dimensions – D		4.60" (116.8)	4.60" (116.8)	4.60" (116.8)	4.60" (116.8)
Power Entries		(2) 1" NPT Thread	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) 1/2", 3/4", 1", 1-1/4"
Data Entries		(2) 1-1/2" NPT Thread	(2) 3/4", 1", 1-1/4", 2"*	(2) 3/4", 1", 1-1/4", 2"*	(2) 1", 1-1/4", 1-1/2", 2"
Concrete Cover Included		✓	✓	✓	✓
Closure Plugs Included		✓	–	–	✓
Reducers		–	–	–	✓
CFBS1R4xx Cover Family		✓	✓	✓	✓
Compatible with CFBHUB2 - 2" Conduit Fitting		–	✓	✓	–

Note: UL File Number E92074.
CSA File Number LR18416.
**Requires CFBHUB2 for 2" conduits. CFBHUB200PVC for 2" PVC conduits or CFBHUB125PVC for 1-1/4" PVC conduits.*

Adjustable Mounting Cup - Required, Purchased Separately

The Adjustable Mounting Cup (AMC) is the heart of the CFBS1R4 Floor Box product line, and must be ***purchased separately*** from the floor boxes. With teeth spaced in 5/32 inch increments, the adjustable cup allows for installation ease and flexibility. The AMC is dropped into the floor box collar then rotated clockwise to set the height and is adjustable until the ground plate is installed. Once the ground plate is installed, the cup is locked into place preventing unwanted adjustment of height. Lastly, the device mounting plate and electrical devices are installed.






Description	Recessed Activation Catalog Number	Furniture Feed Activation Catalog Number
Adjustable Mounting Cup Includes white mounting cup, low voltage dividers and ground plate.	**CFBS1R4CUP** Floor boxes purchased independently from cup.	**CFBS1R4FFCUP** Floor boxes purchased independently from cup.




Dimensions in Inches (mm)

SystemOne Fully Adjustable 4 inch Recessed Floor Boxes and Covers, for Use In Concrete Floors

ScrubShield® c UL us
Complies with UL514A

Floor Box Covers

The 4 inch recessed cover is available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.15 inch is ADA compliant and suitable for use on any floor finish. All covers are UL 514A Listed and meet UL Scrubwater requirements.

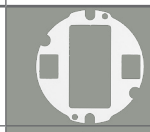
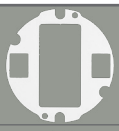
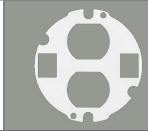


Features

- Flange diameter is 5.5 inches
- Flange thickness is 0.15 inches thick and complies with ADA requirements
- Cover load rating is 1,000 lbs. with 2x safety factor* for a static load applied through a 3 inch mandrel
- Available in six finishes
  - » Satin nickel, antique bronze and brushed brass are plated finishes
  - » Brushed aluminum is the base material brushed and lacquered
  - » Black and gray finishes are powder coat

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Device Mounting Plates

Description / Catalog Number	Sub-Plate	Description / Catalog Number	Sub-Plate	Description / Catalog Number	Sub-Plate
2X2 Sub-plate with (1) decorator device opening and (2) keystone jack openings. **S1R4SP2X2STYLE**		(1) Style Line® decorator device opening for power or datacom applications. **S1R4SPSTYLE**		22X2 Sub-plate with (1) decorator device opening and (2) Ortronics® TracJack® openings. **S1R4SP2X2STYLETJ**	
2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings. **S1R4SP2X2DUPLEX**		(1) Duplex device opening for power or datacom applications. **S1R4SPDUPLEX**		2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings. **S1R4SP2X2DUPLEXTJ**	
(4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12" wire leads Includes stickers. **S1R4SPQUAD**		(1) 1.60" opening for 20A or 30A Twist-Lock® receptacle. **S1R4SPTWIST**		(1) 1.40 inch opening for simplex receptacle. **S1R4SPSIMPLEX**	

Note: See section BB for data jacks and frames.

Architectural Cover Finishes

Finish	Recessed Activation	Furniture Feed Activation
Brushed Aluminum	CFBS1R4CVRALU	S1R4FFCVRALU
Black Powder Coat	CFBS1R4CVRBLK	S1R4FFCVRBLK
Brushed Brass Plated	CFBS1R4CVRBRS	S1R4FFCVRBRS
Antique Bronze Plated	CFBS1R4CVRBRZ	S1R4FFCVRBRZ
Gray Powder Coat	CFBS1R4CVRGRY	S1R4FFCVRGRY
Plated Satin Nickel	CFBS1R4CVRNKL	S1R4FFCVRNKL



Accessories and Replacement Parts

Description		Catalog Number
Allows the conduit connections for the low voltage portion of the CFBS1R4SFB and CFBS1R4SFBCR to be increased to 2 inch capacity. The offset design helps to minimize conduit float during the concrete pour.		CFBHUB2
Set of conduit reducing adapters for use with the CFBS1R4PFB. Includes two each of the following adapters to reducing to the corresponding conduit diameter.	1, 3/4 and 1/2 inch 1-1/2, 1-1/4 and 1 inch	CFBADAPT125 CFBADAPT200
Replacement low voltage partition for use in all four CFBS1R4 series floor boxes.		CFBS1R4DIV
Replacement ground bracket for use in all four CFBS1R4 series floor boxes.		CFBS1R4GND
Replacement pre-pour concrete yellow cover for use with all four of the CFBS1R4 series floor boxes.		CFBS1R4COVER
Abandonment plate, black finish, for all CFBS1R4 series floor boxes.		S1R4CFBADMTBK
Pre-pour PVC stand increases CFBS1R4PFB box height 2.5 in. to 4.0 in. within the concrete pour.		PFBSTANDGY



*Note: ***Find replacement plugs on FRPT section (page R-14).*
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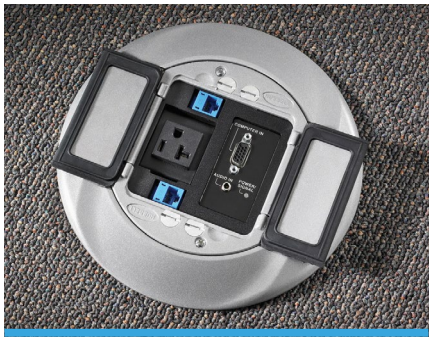
Dimensions in Inches (mm)

SystemOne Flush Floor Box: Products at a Glance

Flush Floor Box Applications feature unique capabilities of Hubbell's SystemOne universal cover and sub-plate design. Hubbell has expanded its floor box offering to provide industry leading flexibility while accommodating an extensive range of applications. Hubbell SystemOne is constructed to give customers the ability to create personal solutions for their most demanding, power, data and audio/video requirements.

SystemOne Flush Floor Box Applications



Multi-Service Applications

This Hubbell SystemOne sub-plate incorporates a standard Style Line® decorator opening, which can be used for an active multimedia device. In addition, a 20A outlet is supplied for power and two keystone openings for voice/data services.



Multimedia Applications

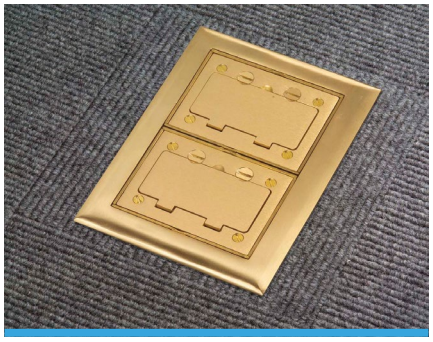
Other Hubbell SystemOne sub-plates are designed to meet the growing needs of the audio/video market. Some sub-plates provide power outlets with Hubbell's AV products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, HDMI and XLR microphone jacks. Other sub-plates can accommodate Extron® Electronics MAAP and AAP series AV modules, as well as FSR IPS plates.



4X4 Applications

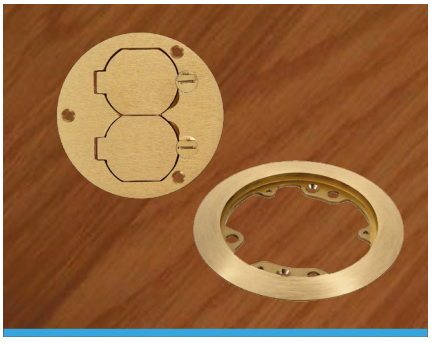
Provides maximum power capacity for flush, multi-service applications. This sub-plate features a pre-wired four outlet 20A, 125V receptacle and four openings for flush mount Hubbell modular jacks and audio/video Snap Fit connectors. Receptacle wiring permits dual-circuit, as well as isolated ground applications.

Traditional Floor Boxes



Flush Applications

Hubbell offers a wide variety of traditional solutions including single and multi-gang cast iron, stamped steel and non-metallic floor boxes in both round and rectangular designs. These boxes can be finished with either brass or aluminum covers and flanges to match any office décor. All Hubbell floor box assemblies exceed UL scrubwater exclusion requirements.



Wooden Floor Applications

Hubbell offers round, single service and rectangular, multi-service floor boxes for wooden floor applications. The rectangular boxes are available in one, two and three-gang options and feature removable barriers for maximum capacity while maintaining separation of power and low voltage. A variety of covers and flanges are available in brushed aluminum or brass to meet aesthetic requirements.

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SystemOne Flush Floor Box: Products at a Glance

SystemOne Flush Floor Box Family

ScrubShield® Complies with UL514A



Cast Iron

- Corrosion resistant for on-grade applications
- Oversized 1-1/2" NPT threaded conduit access holes for low voltage
- 1" NPT threaded conduit access holes for power



Steel

- Stamped steel construction
- Economical and light weight for above-grade applications
- Concentric knockouts permit various conduit sizes for both power and data services



Steel AV

- Accommodates high-capacity multimedia applications in a 3-1/2" minimum depth of pour
- Oversized 1-1/2" NPT threaded data hub
- 3/4", 1" concentric knockouts for power services

Features

- Easily installed, aesthetic and configurable floor box solution, for open floor plans that require both power and data services
- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar
- The Hubbell SystemOne Universal Cover features ScrubShield® technology that exceeds UL514 scrubwater exclusion requirements
- Convenient cubic inch capacity (cm^3) markings on interior of box
- Leveling feet provide before pour adjustability
- Non-metallic riser allows a simple saw cut for adjustment after pour
- Supplied with concrete cover and closure plugs (where applicable)
- Designed to accommodate multi-service applications with the wide offering of Hubbell SystemOne sub-plates
- Hubbell SystemOne Metal Floor Boxes are approved for use in the City of Chicago
- CR versions incorporate fusion bonded epoxy paint for on grade use



Non-Metallic

- Non-corrosive plastic construction
- Oversized 1-1/2" data conduit hub for increased cable capacity and bend radius
- Parallel conduit hubs reduce labor and material cost, facilitating easier wire pull

Features

- Economical, easy to install, in-floor delivery system for open plan spaces
- The Hubbell SystemOne Universal Cover mounts directly to the floor box riser, eliminating the need for an additional adapter collar
- Concrete cover, conduit reducers and conduit hub plugs included

SystemOne Flush Covers and Sub-Plates

ScrubShield® cULus
Complies with UL514A

Universal Flange and Cover Assembly

- Hinged doors open 180° flush to the carpet flange or tile
- Locking studs allow each door to be secured independently
- The universal carpet or tile flange can be used for Hubbell SystemOne Floor Boxes and Fire-Rated Poke-Throughs
- Finishes and colors available:



Aluminum Finish | Brass Finish | Black | Gray | Ivory

Carpet



Tile

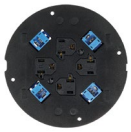


Features

- Durable cast aluminum construction available in black, gray, brass, aluminum and ivory powder coat finishes
- Features ScrubShield® technology that exceeds UL514 scrubwater exclusion requirements
- Provides consistent look and maximum functionality throughout the installed life
- Meets ADA standards for accessible design

SystemOne Flush Sub-Plates

- Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPT and Floor Boxes to accommodate future moves, adds and changes. See page Q-22 for additional information.



4x4 Sub-Plate



Datacom and Power Sub-Plate



Extron® AAP/MAAP and Power Sub-Plate



Dual Style Line® Decorator Sub-Plate



Twist-Lock® Sub-Plate



Furniture Feed Cover, Carpet

Features

- Durable cast aluminum construction, powder coat finish
- Hubbell 4X4: four 20A, 125V receptacles, four keystone openings for voice/data jacks and flush multimedia connectors
- Hubbell X-END and Hubbell iSTATION modular connectivity
- Accommodates Extron® Electronics Architectural Series audio/video system integration products
- Accommodates GFCI, USB, surge and standard Style Line® decorator receptacles
- Twist-Lock® receptacle with two flush keystone openings
- Large capacity and multi-service furniture feed applications
- Open system sub-plates permit maximum data flexibility

Power Devices and Connectivity



Hubbell-PRO Receptacles



20A USB Receptacles



Hubbell iSTATION

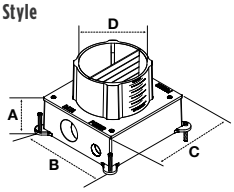
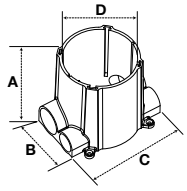
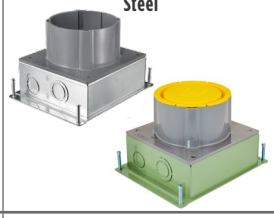
Features

- Choose from Hubbell's industry leading selection of wiring devices for power services
- Hubbell iSTATION connectivity modules integrate with SystemOne to provide comprehensive multi-media solutions

Extron® is a registered trademark of Extron Electronics.

SystemOne Flush Metal and Non-Metallic Floor Boxes, for Use In Concrete Floors

ScrubShield® Complies with UL514A

Style	Cast Iron	Steel	Steel AV	Non-Metallic
 Metal  Non-Metallic				
Standard Corrosion-Resistant (On-grade)	– S1CFB*	S1SFB* S1SFBCR	S1SFBAV* S1SFBAVCR	S1PFB –
Min. Depth of Pour	3.50" (88.9)	3.50" (88.9)	3.50" (88.9)	3.00" (76.2)
Adjustability	Fully	Fully	Fully	Fully
Cubic Inch (cm^3) Capacity	156.0 cu. in. (2556 cm^3)	175.7 cu. in. (2879 cm^3)	177.5 cu. in. (2909 cm^3)	100 cu. in. (1638 cm^3)
Dimensions – A	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)	6.00" (152.4)
Dimensions – B	7.00" (177.8)	6.75" (171.4)	6.75" (171.4)	5.58" (141.7)
Dimensions – C	7.38" (187.3)	7.38" (187.3)	7.38" (187.3)	7.08" (179.8)
Dimensions – D (Inside Diameter)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)	5.00" (127.0)
Power Entries	(2) 1" NPT Thread	(2) 3/4", 1"	(2) 3/4", 1"	(2) 3/4", 1"
Data Entries	(2) 1-1/2" NPT Thread	(2) 3/4", 1", 1-1/4"	(2) 1-1/2" NPT Thread	(2) 3/4", 1", 1-1/4", 1-1/2"
Concrete Cover Included	✓	✓	✓	✓
Closure Plugs Included	✓	–	✓	✓
Accepts Hubbell SystemOne Universal Cover	✓	✓	✓	✓
Cover Mounting Clips Included	✓	✓	✓	✓
Non-Metallic Low Voltage Divider Included (S1DIV1)	✓	✓	✓	✓

Note: UL File Number E92074.
**S1CFB, S1SFB, S1SFBAV are approved for use in the City of Chicago.*

SystemOne Universal Covers

- Cast aluminum construction
- Durable powder coat finish




Color	Carpet	Tile
Aluminum Finish	S1CFCAL	S1TFCAL
Brass Finish	S1CFCBRS	S1TFCBRS
Black	S1CFCBL	S1TFCBL
Gray	S1CFCGY	S1TFCGY
Ivory	S1CFCI	S1TFCI

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*


Aluminum Finish | Brass Finish | Black | Gray | Ivory

Floor Box Accessories

Description	Color	Catalog Number
Abandonment Plates Used to cover abandoned SystemOne Fire-Rated Poke-Throughs or Floor Boxes.	Black Gray 	S1AP4BL S1AP4GY
Replacement Side by Side Divider Used to isolate compartments in S1SP, S1SPFFx, S1SPFFTx, S1SPDU, S1SPDUSL, S1SPDU2IM and S1SPSL2IM sub-plates. Included with all SystemOne Floor Boxes.		S1DIV1
1-1/2" Threaded Hub For use with S1SFBAV ONLY. Permits feed-through applications. S1SFBAV floor box includes one (1) threaded hub.		S1AVHUB15
Replacement Universal Cover Mounting Clips Used to mount SystemOne Universal Cover to SystemOne metal and non-metallic floor boxes (S1CFB, S1SFB, S1SFBAV, S1PFB).		S1FBCLIP5PK
PVC Stand Pre-pour PVC stand increases S1PFB box height 2.5 in. to 4.0 in. within the concrete pour.		PFBSTANDGY

Dimensions in Inches (mm)

SystemOne Flush Sub-Plates

ScrubShield® c UL us
Complies with UL514A

Description	Catalog Number	Description	Catalog Number	Description	Catalog Number
Style Line® Decorator/GFCI (2) Style Line® decorator openings for power and/or datacom applications. ③ Non-Metallic ③.⑤ Metal	 **S1SP**	**Duplex/Duplex** (2) Duplex openings for power and/or datacom applications. ③ Non-Metallic ③.⑤ Metal	 **S1SPDU**	**Duplex/Style Line® Decorator** (1) Duplex and (1) Style Line® decorator opening for power and/or datacom applications. ③ Non-Metallic ③.⑤ Metal	 **S1SPDUSL**
Hubbell 4 X 4 (4) 20A, 125V receptacles. (4) Keystone openings for Hubbell jacks or flush AV connectors. Power can be wired as single or two circuit with isolated ground capability. ④ Includes ⏻ stickers. Provided with 15 ft. wire leads Provided with 30 ft. wire leads	 **S1SP4X4** **S1SP4X4C** **S1SP4X415** **S1SP4X430**	**Carpet Furniture Feed Cover/Flange*** (1) 3/4" and (1) 1-1/2" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes carpet flange. ③ Non-Metallic — Aluminum Fin. ③.⑤ Metal — Brass Finish, Black, Gray	 **S1SPFFAL** **S1SPFFBRS** **S1SPFFBL** **S1SPFFGY**	**Tile Furniture Feed Cover/Flange*** (1) 3/4" and (1) 1-1/2" NPT access holes for power and/or datacom applications. Universal Cover not required. Includes tile flange. ③ Non-Metallic — Aluminum Fin. ③.⑤ Metal — Brass Finish, Black, Gray	 **S1SPFFTAL** **S1SPFFTBRS** **S1SPFFTBL** **S1SPFFTGY**
Single Receptacle + Data Opening for 20 or 30A Twist-Lock® receptacle (1.56" OD) and (2) Keystone openings for Hubbell jacks or flush AV connectors. ④	 **S1SPTL**	**Hubbell DataCom + Power** (1) 20A, 125V receptacle and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications. ⑤ Marked with "⏻ Controlled"	 **S1SP3IM** **S1SP3IMC**	**Hubbell DataCom + Duplex** (1) Duplex opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications. ⑤	 **S1SPDU2IM**
Hubbell DataCom + Style Line® Decorator (1) Style Line® decorator opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications. ⑤	 **S1SPSL2IM**	**Hubbell DataCom** 1 unit flush Hubbell iSTATION opening and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications. ③.⑤	 **S1SP4IM**	**Active Multimedia + Power** Single 20A, 125V receptacle; (2) flush Keystone openings; (1) rectangular Style Line® decorator opening to accommodate active multimedia modules or low voltage outlet frames. ⑤ Marked with "⏻ Controlled"	 **S1SPAMM20** **S1SPAMM20C**
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (3) single Extron® MAAP series adapter plates or FSR IPS plates. ④Marked with "⏻ Controlled"	 **S1SPEXT1** **S1SPEXT1C**	**Extron® or FSR + Power** (1) 20A, 125V receptacle. Recessed opening for (1) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates. ④Marked with "⏻ Controlled"	 **S1SPEXT2** **S1SPEXT2C**	**Extron® or FSR Single-Service** Recessed opening for (2) single Extron® MAAP and (2) single AAP series adapter plates or FSR IPS plates. ④.⑤	 **S1SPEXT3**
Extron® AAP + Power (1) 20A, 125V receptacle. (2) flush Keystone & recessed opening for (2) single Extron® AAP Series adapter plates. ④Marked with "⏻ Controlled"	 **S1SPEXT4** **S1SPEXT4C**	**Ortronics Series II® + Power** (1) 20A, 125V receptacle. Recessed opening for (3) 1 unit Ortronics Series II® modules. ⑤Marked with "⏻ Controlled"	 **S1SPORT** **S1SPORTC**	**Ortronics TracJack® + Power** (1) 20A, 125V receptacle. Recessed bezel for (6) Ortronics TracJack® modules. ⑤ Marked with "⏻ Controlled"	 **S1SPTRAC** **S1SPTRACC**
Panduit Mini Com® 4 X 4 (4) 20A, 125V receptacles. (4) Openings for Panduit Mini-Com Connectivity. ④ Includes ⏻ stickers.	 **S1SP4X4PA** **S1SP4X4PAC**	**SYSTIMAX® 4 X 4** (4) 20A, 125V receptacles. (4) Openings for SYSTIMAX® Connectivity. ④ Includes ⏻ stickers.	 **S1SP4X4SYS** **S1SP4X4SYSC**	**Siemon MAX® + Power** (1) 20A, 125V receptacle. Recessed bezel for (6) Siemon MAX® modules. ⑤ Marked with "⏻ Controlled"	 **S1SPMAX** **S1SPMAXC**

*Note: *Furnished with two screw-in flexible metal conduit connectors.*
⊖ Signifies minimum depth of concrete pour in inches for Metal Floor Boxes (S1CFB, S1SFB and S1SFBAV) and Non-Metallic Floor Box (S1PFB).

Sub-Plate Accessories

Description		
Replacement Threaded Conduit Plugs Used with S1SPFFx and S1SPFFTx only. Sub-Plate is supplied with plugs.		
Color	**1-1/2" Plug**	**3/4" Plug**
Aluminum finish	**S1FP15AL**	**S1FP34AL**
Brass finish	**S1FP15BRS**	**S1FP34BRS**
Black	**S1FP15BL**	**S1FP34BL**
Gray	**S1FP15GY**	**S1FP34GY**



Description	Catalog Number
Replacement for S1SPMAX. Sub-Plate is supplied with data frame. Works with Siemon MAX®.	**S1DFMAX**
Replacement for S1SPTRAC Sub-Plate. Sub-Plate is supplied with data frame. Works with Ortronics TracJack®.	**S1DFTRAC**
Blank Style Line® decorator frame, black. 2-Port Style Line® decorator frame, black. 4-Port Style Line® decorator frame, black. 6-Port Style Line® decorator frame, black.	**NS620BK** **NS612BK** **NS614BK** **NS616BK**



Dimensions in Inches (mm)

Extron® is a registered trademark of Extron Electronics. MAX® is a registered trademark of The Siemon Company. Mini-Com® and Panduit® are registered trademarks of Panduit Corp. SYSTIMAX® is a registered trademark of CommScope, Inc. TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

SystemOne Flush Configuration Chart

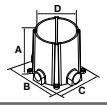
ScrubShield® c UL us
Complies with UL514A

Approved for use in the City of Chicago. (except S1PFB)			Floor Boxes						4" Core Hole Fire-Rated Poke-Throughs		
			Non-Metallic	Metal							
											
Sub-Plates			S1PFB	S1CFB	S1SFB	S1SFBCR	S1SFBAV	S1SFBAVCR	S1PTFIT	S1PT4X4FIT	S1PTAVFIT
S1SP	Style Line® Decorator/GFCI		3	3.5	3.5	3.5	3.5	3.5	✓+	✗	✓
S1SPDU	Duplex/Duplex		3	3.5	3.5	3.5	3.5	3.5	✓+	✗	✓
S1SPDUSL	Duplex/Style Line® Decorator		3	3.5	3.5	3.5	3.5	3.5	✓+	✗	✓
S1SP4X4 S1SP4X4PA S1SP4X4SYS	Hubbell 4 X 4 Panduit Mini-Com® 4 X 4 SYSTIMAX® 4 X 4		4	4	4	4	4	4	✗	✓+	✗
S1SP4X4C S1SP4X4PAC S1SP4X4SYSC	Same as above; Marked with "⏻ Controlled"										
S1SPTL	Twist-Lock® Receptacle + Data		4	4	4	4	4	4	✗	✓+	✗
S1SP3IM	Hubbell DataCom + Power		5	5	5	5	5	5	✓	✗	✓+
S1SP4IM	Hubbell DataCom		3.5	3.5	3.5	3.5	3.5	3.5	✓	✗	✓+
S1SPDU2IM	Hubbell DataCom + Duplex		5	5	5	5	5	5	✓	✗	✓+
S1SPSL2IM	Hubbell DataCom + Style Line® Decorator		5	5	5	5	5	5	✓	✗	✓+
S1SPFFxx (Carpet) S1SPFFTxx (Tile)	Furniture Feed Cover/Flange (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).	 	3	3.5	3.5	3.5	3.5	3.5	✓	✗	✓+
S1SPEXT1	Extron® or FSR + Power		4	4	4	4	4	4	✓	✗	✓+
S1SPEXT1C	Marked with "⏻ Controlled"										
S1SPEXT2	Extron® or FSR + Power		4	4	4	4	4	4	✓	✗	✓+
S1SPEXT2C	Marked with "⏻ Controlled"										
S1SPEXT3	Extron® or FSR Single-Service		4.5	4.5	4.5	4.5	4.5	4.5	✓	✗	✓+
S1SPEXT4	Extron® or FSR + Power		4	4	4	4	4	4	✓	✗	✓+
S1SPEXT4C	Marked with "⏻ Controlled"										
S1SPORT	Ortronics Series II® + Power		5	5	5	5	5	5	✓	✗	✓+
S1SPORTC	Marked with "⏻ Controlled"										
S1SPTRAC	Ortronics TracJack® + Power		5	5	5	5	5	5	✓	✗	✓+
S1SPTRACC	Marked with "⏻ Controlled"										
S1SPMAX	Siemon MAX® + Power		5	5	5	5	5	5	✓	✗	✓+
S1SPMAXC	Marked with "⏻ Controlled"										
S1SPAMM20	Active Multimedia + Flush Keystone + Power		5	5	5	5	5	5	✓	✗	✓+
S1SPAMM20C	Marked with "⏻ Controlled"										
S1CFCxx (Carpet)	SystemOne Floor Boxes and FRPTs use SystemOne Universal Covers (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray).			Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Floor Boxes.					✓+ Recommended Floor Fitting	✓ Alternative Floor Fitting	✗ Not Compatible
S1TFCxx (Tile)			*Extron® is a registered trademark of Extron Electronics. MAX® is a registered trademark of The Siemon Company. Mini-Com® and Panduit® are registered trademarks of Panduit Corp. SYSTIMAX® is a registered trademark of CommScope, Inc. TracJack®, Series II® & Ortronics® are registered trademarks of Ortronics/Legrand.*								

Flush Floor Boxes and Covers

Flush Round Single or Multi-Service Non-Metallic Floor Boxes, for Use In Concrete Floors

ScrubShield® Complies with UL514A





	PFB1
Min. Depth of Pour	3.00" (76.2)
Cubic Inch (cm^3) Capacity	100 cu. in. (1638.7 cm^3) prior to cutting level to floor (19.5 cu. in. (313.2 cm^3) per inch of depth).
Dimensions – A	6.00" (152.4)
Dimensions – B	7.08" (179.8)
Dimensions – C	6.69" (169.9)
Dimensions – D	5.38" (136.5)
Hubs	(2) 1" and (2) 3/4" Conduit Hubs
Concrete Cover Included	✓
Closure/Reducer Plugs	(2) 1" plugs close off 1" hubs or reduce 1" to 3/4" (2) 3/4" plugs close off 3/4" hubs or reduce 3/4" to 1/2"

Note: UL File Number E92074. CSA File Number LR18416.

Description	Catalog Number
Adapter Required for all applications. 	PFBA1A
Low Voltage Divider Required for use with catalog number **PFB1** when used in multi-service applications. Accepts Hubbell standard duplex receptacles or 15A Twist-Lock® duplex receptacles (HBL4700 series). 	PFBT1A
"Y" Adapter 3/4 in. "Y" adapter to feed parallel runs of 3/4 in. conduit. 	PFBYA1
Pre-pour PVC stand increases **PFB1** box height 2.5 in. to 4.0 in. within the concrete pour. 	PFBSTANDGY

Flush Round Covers and Flanges†

Multi-Service Cover and Flange Assemblies
Includes floor box cover with duplex flaps, (2) 1/2 in. dia. low voltage feed through holes and matching carpet flange. 6.25 in. Diameter.

SF39253A	PFBCBRA	PFBCBLA	PFBCGYA	PFBCIA
				
Brass	Brown Non-Metallic	Black Non-Metallic	Gray Non-Metallic	Ivory Non-Metallic

Metal Carpet Flange

Use with single service covers for carpet applications. 6.25 in. Diameter

S3082	SA3082
	
Brass	Brushed Aluminum

Adapter Ring

Use with single service covers for tile applications.

S5016	SA5016
	
Brass	Aluminum

*Note: *Replacement galvanized steel ring use part number S5016PG*

Multi-Service Replacement Covers

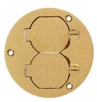
Material	Metallic	Color	Non-metallic
Solid Brass	BRS2RCA	Black Brown Gray Ivory	PFBRCBLA PFBRCBRA PFBRCGYA PFBRCIA





Single Service Covers†

Brass
Aluminum
3.88 in. Dia.

S3925 SA3925	S3725 SA3725	S2525 SA2525	S2725 SA2725	S2925 SA2925	S3525 –	S3325 –	S3913 SA3913
							
Duplex Flap	Duplex Screw	2-1/8" x 3/4" Combination	2-1/8" x 1" Combination	2-1/8" Single Receptacle	2-3/8" Single Receptacle	2-3/8" Single Receptacle (Terrazzo Floor)	Blank

One Piece Brass Cover and Carpet Flange†

Brass
Aluminum
6.25 in. Dia.

*Note: Adapter ring S5016 is required for mounting SF series covers onto PFBA1A.
**Note: Brass plated aluminum

SF3925* SFA3925*	SFB3926** SFA3926	SF2525* –	SF2725* –	SF2925* –
				
Duplex Flap	Style Line® Decorator Opening	2-1/8" x 3/4" Combination	2-1/8" x 1" Combination	2-1/8" Single Receptacle

Furniture Feed Plate

PFBP1

Unpainted plate with 1 in. threaded opening.

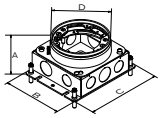


Steel

Note: †COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor, Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.
Dimensions in Inches (mm)

Flush Round Single Service Metal Floor Boxes, for Use In Concrete Floors

ScrubShield® Complies with UL514A

Style	Cast Iron			Stamped Steel	
					
Catalog Numbers	**FB2536**	**FB2537**	**FB2546**	**FB2527**	**FB2529**
Cover Frame Material	Steel	Steel	Steel	Steel	Steel
Min. Depth of Pour	3.25" (82.6)	3.00" (76.2)	3.75" (95.3)	4.00" (101.6)	3.00" (76.2)
Adjustability	Fully	Fully	Fully	Fully	Fully
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	–	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.50" (12.7)	.50" (12.7)	.625" (15.9)	.50" (12.7)	.50" (12.7)
Cubic Inch (cm^3) Capacity	33.0 (540.8)	30.0 (491.7)	36.0 (590.0)	54.0 (884.9)	37.3 (611.2)
Dimensions – A	3.12" (79.1)	2.87" (72.8)	3.61 (91.6)	3.80 (96.4)	2.82 (71.5)
Dimensions – B	4.85" (123.2)	4.85" (123.2)	5.00" (126.9)	4.81" (122.2)	4.81" (122.2)
Dimensions – C	4.85" (123.2)	4.85" (123.2)	–	6.00" (152.4)	6.00" (152.4)
Dimensions – D	4.21" (106.8)	4.21" (106.8)	4.21" (106.8)	4.21" (106.8)	4.21" (106.8)
Threaded Hubs	(4) 1"	(4) 3/4"	(4) 1"	–	–
Knockouts – Sides	–	–	–	(2) 3/4", 1", 1-1/4"	(2) 1/2" & (1) 3/4"
Knockouts – Ends	–	–	–	(2) 3/4", 1", 1-1/4"	(1) 1/2" & (1) 3/4"
Knockouts – Bottom	–	–	–	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"
Concrete Cover Included	✓	✓	✓	✓	✓
Closure Plugs Included	✓	✓	✓	–	–
1" to 3/4" Threaded Reducer	2 Each	–	2 Each	–	–

Note: Suitable for single service applications only. UL File Number E31999.

Cover Adapter Ring, Flush Application

Required for tile or finished concrete applications.

S5016



Brass

SA5016



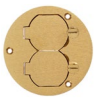
Aluminum

Carpet Flanges, Surface Applications

Required for tile or finished concrete applications.

	S3082 **S3182**	**SA3082** **SA3182**
6.25 in. Dia. 5.25 in. Dia.		
	Brushed Brass	Brushed Aluminum

Single Service Covers†

Brass Aluminum 3.88 in. Dia.	**S3925** **SA3925**	**S3725** **SA3725**	**S2525** **SA2525**	**S2725** **SA2725**	**S2925** **SA2925**	**S3525** –	**S3325** –	**S3913** **SA3913**
								
	Duplex Flap	Duplex Screw	2-1/8" x 3/4" Combination	2-1/8" x 1" Combination	2-1/8" Single Receptacle	2-3/8" Single Receptacle	2-3/8" Single Receptacle (Terrazzo Floor)	Blank

One Piece Brass Cover and Carpet Flange†

Brass Aluminum 6.25 in. Dia.	**SF3925** **SFA3925**	**SFB3926*** **SFA3926**	**SF2525** –	**SF2725** –	**SF2925** –
					
	Duplex Flap	Style Line® Decorator Opening	2-1/8" x 3/4" Combination	2-1/8" x 1" Combination	2-1/8" Single Receptacle

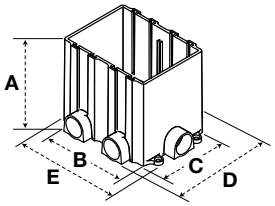
*Note: Brass plated aluminum

Note: †COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor, Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.

Dimensions in Inches (mm)

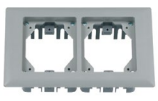
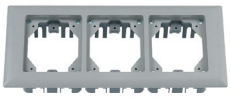
Flush Rectangular Non-Metallic Floor Boxes with Non-Metallic Covers, for Use In Concrete Floor

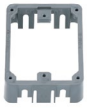
ScrubShield® cULus
Complies with UL514A

Style	1-Gang	2-Gang	3-Gang
	 PFBRG1*	 PFBRG2	 PFBRG3
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Adjustability	Fully	Fully	Fully
Cubic Inch (cm^3) Capacity per Gang	14.3 cu. in. (234.3 cm^3) per 1" depth	14.3 cu. in. (234.3 cm^3) per 1" depth	14.3 cu. in. (234.3 cm^3) per 1" depth
Dimensions – A	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B	3.60" (91.4)	6.80" (172.7)	10.04" (255.0)
Dimensions – C	5.47" (138.9)	5.47" (138.9)	5.47" (138.9)
Dimensions – D	6.90" (175.3)	6.90" (175.3)	6.90" (175.3)
Dimensions – E	5.41" (137.4)	8.56" (221.4)	11.75" (298.4)
Hubs	(4) 1-1/4"	(6) 1-1/4"	(8) 1-1/4"
Reducers	(4) 1" to 3/4" and (4) 1-1/4" to 1"	(6) 1" to 3/4" and (6) 1-1/4" to 1"	(8) 1" to 3/4" and (8) 1-1/4" to 1"
Concrete Cover Included	✓	✓	✓
Closure Plugs Included	✓	✓	✓
Low Voltage Barrier**	–	(1) Removable	(2) Removable

Note: UL File Number E92074.
**Suitable for single service applications only.*
***Replacement low voltage barriers, 5 pack, catalog number PRFBLVDPK5.*

Flush Rectangular Non-Metallic Covers and Flanges*

Required Components for Carpet Applications						
Carpet Flanges				Cover with Duplex and Style Line® decorator inserts included		
Number of Gangs Dimensions	1-Gang 6.00" x 4.88"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.35"	One Required per Gang 4.15" x 2.97"		
Black Brown Gray Ivory	**PFBRFBL1** **PFBRFBR1** **PFBRFGY1** **PFBRFI1**	**PFBRFBL2** **PFBRFBR2** **PFBRFGY2** **PFBRFI2**	**PFBRFBL3** **PFBRFBR3** **PFBRFGY3** **PFBRFI3**	**PFBR826BLA** **PFBR826BRA** **PFBR826GYA** **PFBR826IA**		
			 Cover	 Duplex Insert	 Style Line® Decorator Insert	

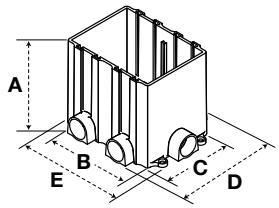
Required Components for Tile Applications		
Mounting Collar	Cover Frame	Cover with Duplex and Style Line decorator inserts included
One Required per Gang	One Required per Gang Dim. 4.47" x 3.25"	One Required per Gang 4.15" x 2.97"
PFBRMC	**PFBRFRA**	**PFBR826GYA**
		 Cover  Duplex Insert  Style Line Decorator Insert

*Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified. COVER LOAD RATING; Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

Dimensions in Inches (mm)

Flush Rectangular Non-Metallic Floor Boxes with Non-Metallic Covers, for Use In Concrete Floor

ScrubShield® Complies with UL514A

Style	1-Gang	2-Gang	3-Gang
	 PFBRG1*	 PFBRG2	 PFBRG3
Min. Depth of Pour	3.00" (76.2)	3.00" (76.2)	3.00" (76.2)
Adjustability	Fully	Fully	Fully
Cubic Inch (cm^3) Capacity per Gang	14.3 cu. in. (234.3 cm^3) per 1" depth	14.3 cu. in. (234.3 cm^3) per 1" depth	14.3 cu. in. (234.3 cm^3) per 1" depth
Dimensions – A	6.00" (152.4)	6.00" (152.4)	6.00" (152.4)
Dimensions – B	3.60" (91.4)	6.80" (172.7)	10.04" (255.0)
Dimensions – C	5.47" (138.9)	5.47" (138.9)	5.47" (138.9)
Dimensions – D	6.90" (175.3)	6.90" (175.3)	6.90" (175.3)
Dimensions – E	5.41" (137.4)	8.56" (221.4)	11.75" (298.4)
Hubs	(4) 1-1/4"	(6) 1-1/4"	(8) 1-1/4"
Reducers	(4) 1" to 3/4" and (4) 1-1/4" to 1"	(6) 1" to 3/4" and (6) 1-1/4" to 1"	(8) 1" to 3/4" and (8) 1-1/4" to 1"
Concrete Cover Included	✓	✓	✓
Closure Plugs Included	✓	✓	✓
Low Voltage Barrier**	–	(1) Removable	(2) Removable

Note: UL File Number E92074.
**Suitable for single service applications only.*
***Replacement low voltage barriers, 5 pack, catalog number PRFBLVDPK5.*

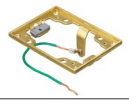
Rectangular Metal Covers and Flanges

Required Components for Flush Tile Applications

Adapter Collar (One required per gang)

Gray **PFBRAC** 

Adapter Frame with Grounding Wire (One required per gang) Dim. 4.36" x 3.20" x 0.30"

Brass Aluminum **S5017GR SA5017GR** 

Flush Rectangular Metal Covers and Flanges

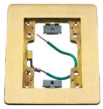
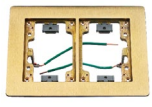
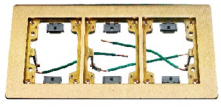
Required Components for Flat Flange Applications

Adapter Collar (One required per gang)

Gray **PFBRAC** 

Flat Flanges*

Flat Flange Height 0.125"

Number of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"
Brass, square edge Aluminum, square edge Brass, beveled edge Aluminum, beveled edge	**SB3083W SA3083W SB3083WB SA3083WB** 	**SB3084W SA3084W SB3084WB SA3084WB** 	**SB3085W SA3085W SB3085WB SA3085WB** 

*Note: *Flange applications; square edge for carpet and recessed, beveled edge for use on hard finished surfaces.*

Covers – One Required per Gang†

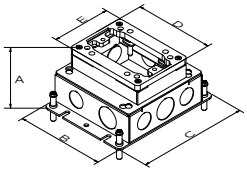
Brass Aluminum Dimensions 4.15" x 2.99"	**S3825 SA3825**	**S3625 SA3625**	**S3625TR SA3625TR**	**S3826 SA3826**	**S2425 SA2425**	**S2625 SA2625**	**S2825** –	**S3425** –	**S3813 SA3813**
									
	Duplex Flap	Duplex Screw	Tamper Resistant Duplex Screw	Style Line® Decorator Opening	2-1/8" x 3/4" Combination	2-1/8" x 1" Combination	2-1/8" Single Receptacle	2-3/8" Single Receptacle	Blank

Note: †COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor Load applied through a 3 in. (76) mandrel at the center of the cover.

Dimensions in Inches (mm)

Flush Rectangular Cast Iron Floor Boxes with Metal Covers, for Use In Concrete Floor

ScrubShield® c UL us
Complies with UL514A



Style	Cast Iron					
	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow
						
Catalog Numbers	**FB4133***	**FB4233**	**FB4333**	**FB4114***	**FB4214**	**FB4314**
Cover Frame Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Min. Depth of Pour	3.50" (95.3)	3.50" (95.3)	3.50" (95.3)	2.00" (50.8)	2.00" (50.8)	2.00" (50.8)
Adjustability	Fully	Fully	Fully	Semi	Semi	Semi
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.875" (22.2)	.875" (22.2)	.875" (22.2)	–	–	–
Cubic Inch (cm^3) Capacity per Gang	33.0 (540.8)	36.5 (598.2)	36.5 (598.2); 34.8 (570.3) center gang	16.0 (262.2)	16.0 (262.2)	16.0 (262.2)
Dimensions – A	3.42" (87.0)	3.40" (86.4)	3.40" (86.4)	2.03" (51.4)	2.05" (51.9)	2.06" (52.2)
Dimensions – B	4.85" (123.2)	4.91" (124.7)	4.91" (124.7)	5.66" (143.7)	5.46" (138.7)	5.46" (138.7)
Dimensions – C	4.85" (123.2)	8.13" (206.5)	11.41" (289.8)	4.38" (111.3)	7.50" (190.4)	10.71" (272.0)
Dimensions – D	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)
Dimensions – E	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)
Threaded Hubs	(4) 1"	(6) 1"	(8) 1"	(4) 3/4"	(4) 3/4"	(6) 3/4"
Concrete Cover Included	✓	✓	✓	✓	✓	✓
Closure Plugs Included	✓	✓	✓	✓	✓	✓
1" to 3/4" Threaded Reducer	2 Each	4 Each	4 Each	–	–	–
Low Voltage Barrier	–	(1) Removable	(2) Removable	–	Non-Removable	Non-Removable

Note: UL File Number E92074.
**Suitable for single service applications only.*

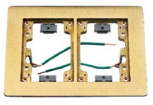
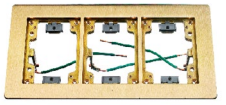
Flush Rectangular Covers Flanges

Required Components for Flush Tile or Finished Concrete Applications

Brass Aluminum	**S5017GR** **SA5017GR**		Adapter Frame with Grounding Wire (One required per gang) Dim. 4.36" x 3.20" x 0.30".

Flat Flanges*

Flat Flange Height 0.125"

Number of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"
Brass, square edge Aluminum, square edge Brass, beveled edge Aluminum, beveled edge	**SB3083W** **SA3083W** **SB3083WB** **SA3083WB**	**SB3084W** **SA3084W** **SB3084WB** **SA3084WB**	**SB3085W** **SA3085W** **SB3085WB** **SA3085WB**
			

*Note: *Flange applications; square edge for carpet and recessed, beveled edge for use on hard finished surfaces*

Covers – One Required per Gang†

Brass Aluminum Dimensions 4.15" x 2.99"	**S3825** **SA3825**	**S3625** **SA3625**	**S3625TR** **SA3625TR**	**S3826** **SA3826**	**S2425** **SA2425**	**S2625** **SA2625**	**S2825** –	**S3425** –	**S3813** **SA3813**
									
	Duplex Flap	Duplex Screw	Tamper Resistant Duplex Screw	Style Line® Decorator Opening	2-1/8" x 3/4" Combination	2-1/8" x 1" Combination	2-1/8" Single Receptacle	2-3/8" Single Receptacle	Blank

Note: †COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor Load applied through a 3 in. (76) mandrel at the center of the cover.
Dimensions in Inches (mm)

Flush Rectangular Cast Iron Floor Boxes with Non-Metallic Covers, for Use In Concrete Floor

ScrubShield® cULus
Complies with UL514A

Style	Cast Iron					
	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow
						
Catalog Numbers	FB4133*	FB4233	FB4333	FB4114*	FB4214	FB4314
Cover Frame Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Min. Depth of Pour	3.50" (95.3)	3.50" (95.3)	3.50" (95.3)	2.00" (50.8)	2.00" (50.8)	2.00" (50.8)
Adjustability	Fully	Fully	Fully	Semi	Semi	Semi
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.875" (22.2)	.875" (22.2)	.875" (22.2)	–	–	–
Cubic Inch (cm³) Capacity per Gang	33.0 (540.8)	36.5 (598.2)	36.5 (598.2); 34.8 (570.3) center gang	16.0 (262.2)	16.0 (262.2)	16.0 (262.2)
Dimensions – A	3.42" (87.0)	3.40" (86.4)	3.40" (86.4)	2.03" (51.4)	2.05" (51.9)	2.06" (52.2)
Dimensions – B	4.85" (123.2)	4.91" (124.7)	4.91" (124.7)	5.66" (143.7)	5.46" (138.7)	5.46" (138.7)
Dimensions – C	4.85" (123.2)	8.13" (206.5)	11.41" (289.8)	4.38" (111.3)	7.50" (190.4)	10.71" (272.0)
Dimensions – D	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)
Dimensions – E	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)
Threaded Hubs	(4) 1"	(6) 1"	(8) 1"	(4) 3/4"	(4) 3/4"	(6) 3/4"
Concrete Cover Included	✓	✓	✓	✓	✓	✓
Closure Plugs Included	✓	✓	✓	✓	✓	✓
1" to 3/4" Threaded Reducer	2 Each	4 Each	4 Each	–	–	–
Low Voltage Barrier	–	(1) Removable	(2) Removable	–	Non-Removable	Non-Removable

Note: UL File Number E92074.
**Suitable for single service applications only.*

Flush Rectangular Non-Metallic Covers and Flanges*

Required Components for Carpet Applications						
Carpet Flanges				Cover with Duplex and Style Line® decorator inserts included		
Number of Gangs Dimensions	1-Gang 6.00" x 4.88"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.35"	One Required per Gang 4.15" x 2.97"		
Black Brown Gray Ivory	**MFBRFBL1** **MFBRFBR1** **MFBRFGY1** **MFBRFI1**	**MFBRFBL2** **MFBRFBR2** **MFBRFGY2** **MFBRFI2**	**MFBRFBL3** **MFBRFBR3** **MFBRFGY3** **MFBRFI3**	**PFBR826BLA** **PFBR826BRA** **PFBR826GYA** **PFBR826IA**		
				 Cover	 Duplex Insert	 Style Line® Decorator Insert

*Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified. COVER LOAD RATING; Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

Dimensions in Inches (mm)

Flush Rectangular Stamped Steel Floor Boxes with Metal Covers, for Use In Concrete Floors

ScrubShield® cULus
Complies with UL514A

Style	Stamped Steel					
	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow
						
Catalog Numbers	FB2431*	FB2432	FB2433	FB2421*	FB2422	FB2423
Cover Frame Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	3.75" (95.3)	2.75" (69.9)	2.75" (69.9)	2.75" (69.9)
Adjustability	Fully	Fully	Fully	Fully	Fully	Fully
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)
Cubic Inch (cm^3) Capacity per Gang	54.0 (884.9)	52.8 (865.2)	50.8 (832.5)	37.3 (611.2)	35.0 (573.5)	34.0 (557.2); 35.0 (573.5) center gang
Dimensions – A	3.73" (94.7)	3.73" (94.7)	3.73" (94.7)	2.75" (69.8)	2.75" (69.8)	2.75" (69.8)
Dimensions – B	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)
Dimensions – C	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)
Dimensions – D	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)
Dimensions – E	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)
Knockouts – Sides	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"	(1) 1/2" & (1) 3/4"	(8) 1/2", 3/4"	(12) 1/2", 3/4"
Knockouts – Ends	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) 1/2" & (1) 3/4"	(4) 1/2", 3/4"	(4) 1/2", 3/4"
Knockouts – Bottom	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"
Concrete Cover Included	✓	✓	✓	✓	✓	✓
Low Voltage Barrier	–	(1) Removable	(2) Removable	–	(1) Removable	(2) Removable

Note: UL File Number E92074.
**Suitable for single service applications only.*

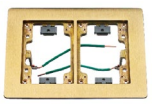
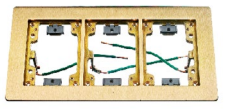
Flush Rectangular Covers Flanges

Required Components for Flush Tile or Finished Concrete Applications

Brass Aluminum	**S5017GR** **SA5017GR**		Adapter Frame with Grounding Wire (One required per gang) Dim. 4.36" x 3.20" x 0.30".

Flat Flanges*

Flat Flange Height 0.125"

Number of Gangs Dimensions	1-Gang 6.00" x 4.85"		2-Gang 6.00" x 8.13"		3-Gang 6.00" x 11.34"	
Brass, square edge Aluminum, square edge Brass, beveled edge Aluminum, beveled edge	**SB3083W** **SA3083W** **SB3083WB** **SA3083WB**		**SB3084W** **SA3084W** **SB3084WB** **SA3084WB**		**SB3085W** **SA3085W** **SB3085WB** **SA3085WB**	

*Note: *Flange applications; square edge for carpet and recessed, beveled edge for use on hard finished surfaces*

Covers – One Required per Gang†

	S3825 SA3825	S3625 SA3625	S3625TR SA3625TR	S3826 SA3826	S2425 SA2425	S2625 SA2625	S2825 –	S3425 –	S3813 SA3813
Brass Aluminum Dimensions 4.15" x 2.99"									
	Duplex Flap	Duplex Screw	Tamper Resistant Duplex Screw	Style Line® Decorator Opening	2-1/8" x 3/4" Combination	2-1/8" x 1" Combination	2-1/8" Single Receptacle	2-3/8" Single Receptacle	Blank

Note: †COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor, Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.

Dimensions in Inches (mm)

Flush Rectangular Stamped Steel Floor Boxes with Non-Metallic Covers, for Use In Concrete Floors

ScrubShield® cULus
Complies with UL514A

Style	Stamped Steel					
	1-Gang Deep	2-Gang Deep	3-Gang Deep	1-Gang Shallow	2-Gang Shallow	3-Gang Shallow
						
Catalog Numbers	FB2431*	FB2432	FB2433	FB2421*	FB2422	FB2423
Cover Frame Material	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic	Thermoplastic
Min. Depth of Pour	3.75" (95.3)	3.75" (95.3)	3.75" (95.3)	2.75" (69.9)	2.75" (69.9)	2.75" (69.9)
Adjustability	Fully	Fully	Fully	Fully	Fully	Fully
Before Pour External Height Adjustment	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)	1.25" (31.8)
After Pour Internal Height Adjustment	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)	.50" (12.7)
Cubic Inch (cm^3) Capacity per Gang	54.0 (884.9)	52.8 (865.2)	50.8 (832.5)	37.3 (611.2)	35.0 (573.5)	34.0 (557.2); 35.0 (573.5) center gang
Dimensions – A	3.73" (94.7)	3.73" (94.7)	3.73" (94.7)	2.75" (69.8)	2.75" (69.8)	2.75" (69.8)
Dimensions – B	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)	4.81" (122.2)
Dimensions – C	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)	6.00" (152.4)	9.25" (235.0)	12.50" (317.5)
Dimensions – D	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)	4.32" (109.7)
Dimensions – E	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)	3.20" (81.3)	6.42" (163.0)	9.64" (244.8)
Knockouts – Sides	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"	(1) 1/2" & (1) 3/4"	(8) 1/2", 3/4"	(12) 1/2", 3/4"
Knockouts – Ends	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(2) 1/2" & (1) 3/4"	(4) 1/2", 3/4"	(4) 1/2", 3/4"
Knockouts – Bottom	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"	(2) 3/4", 1", 1-1/4"	(4) 3/4", 1", 1-1/4"	(6) 3/4", 1", 1-1/4"
Concrete Cover Included	✓	✓	✓	✓	✓	✓
Low Voltage Barrier	–	(1) Removable	(2) Removable	–	(1) Removable	(2) Removable

Note: UL File Number E92074.
**Suitable for single service applications only.*

Flush Rectangular Non-Metallic Covers and Flanges*

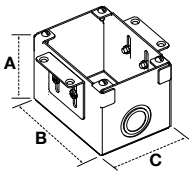
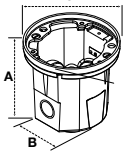
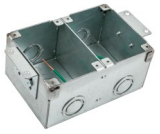
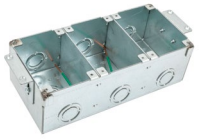
Required Components for Carpet Applications						
Carpet Flanges				Cover with Duplex and Style Line® decorator inserts included		
Number of Gangs Dimensions	1-Gang 6.00" x 4.88"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.35"	One Required per Gang 4.15" x 2.97"		
Black Brown Gray Ivory	**MFBRFBL1** **MFBRFBR1** **MFBRFGY1** **MFBRFI1**	**MFBRFBL2** **MFBRFBR2** **MFBRFGY2** **MFBRFI2**	**MFBRFBL3** **MFBRFBR3** **MFBRFGY3** **MFBRFI3**	**PFBR826BLA** **PFBR826BRA** **PFBR826GYA** **PFBR826IA**		
				 Cover	 Duplex Insert	 Style Line® Decorator Insert

*Note: *Flush rectangular non-metallic covers and flanges are UL listed only. Not CSA certified. COVER LOAD RATING; Non-metallic covers and flanges 300 lbs. Load applied through a 3 in. (76) mandrel at the center of the cover.*

Dimensions in Inches (mm)

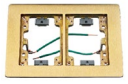
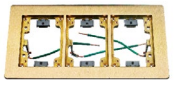
Flush Floor Boxes for Wooden Floors

ScrubShield® Complies with UL514A

Style		Rectangular Stamped Steel			Round Cast Iron	
	 Collar Material Brass	1-Gang  B2481*	2-Gang  B2482	3-Gang  B2483	1-Gang  B2588*	1-Gang  B2588275*
Adjustability		Semi	Semi	Semi	Non	Non
Cubic Inch (cm^3) Capacity per Gang		42.0 cu. in. (688.3 cm^3)	42.5 cu. in. (696.5 cm^3)	42.5 cu. in. (696.5 cm^3)	18.5 cu. in. (303.2 cm^3)	18.5 cu. in. (303.2 cm^3)
Dimensions – A		3.13" (79.5)	3.13" (79.5)	3.13" (79.5)	3.65" (92.7)	3.65" (92.7)
Dimensions – B		4.50" (114.3)	4.50" (114.3)	4.50" (114.3)	3.22" (81.8)	3.22" (81.8)
Dimensions – C		3.20" (81.3)	6.42" (163.1)	9.64" (244.9)	4.09" (103.9)	4.09" (103.9)
Threaded Hubs		–	–	–	Bottom (2) 1/2"	Sides (2) 3/4" Bottom (2) 1/2"
Knockouts – Ends		(1) 1/2", 3/4", 1"	(2) 1/2", 3/4", 1"	(3) 1/2", 3/4", 1"	–	–
Knockouts – Sides		–	–	–	–	–
Knockouts – Bottom		(1) 1/2", 3/4", 1", 1-1/4"	(2) 1/2", 3/4", 1", 1-1/4"	(3) 1/2", 3/4", 1", 1-1/4"	–	–
Debris Cover Included		✓	✓	✓	–	–
Closure Plugs Included		–	–	–	✓	✓
Low Voltage Barrier		–	(1) Removable	(2) Removable	–	–

*Note: UL File Number E31999. CSA File Number LR18416. *Suitable for single service applications only.*

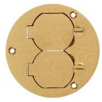
Rectangular Flat Flanges (Required)

Brass Aluminum	SB3083W SA3083W	SB3084W SA3084W	SB3085W SA3085W
			
No. of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"

Round Flanges

S3182 SA3182	S3082 SA3082
	
5.25" Dia.	6.25" Dia.

Round Covers (3.88" Dia.)†

S3925 SA3925	S3725 SA3725	S2525 SA2525
		
Duplex Flap	Duplex Screw	2-1/8" x 3/4" Comb.

Covers – One Required per Gang†

Brass Aluminum Dimensions 4.15" x 2.99"	S3825 SA3825	S3625 SA3625	S3625TR SA3625TR	S3826 SA3826
				
	Duplex Flap	Duplex Screw	Tamper Resistant Duplex Screw	Style Line® Decorator Opening
Brass Aluminum Dimensions 4.15" x 2.99"	S2425 SA2425	S2625 SA2625	S2825 –	S3813 SA3813
				
	2-1/8" x 3/4" Combination	2-1/8" x 1" Combination	2-1/8" Single Receptacle	Blank

Note: †COVER LOAD RATING; Metallic covers and flanges 2,000 lbs. with 2x safety factor. Load applied through a 3 in. (76) mandrel at the center of the cover.

Dimensions in Inches (mm)

Round Covers†

Brass Aluminum 3.88" Dia.	S2725 SA2725	S2925 SA2925	S3525 –	S3325 –
				
	2-1/8" x 1" Comb.	2-1/8" Single Receptacle	2-3/8" Single Receptacle	2-1/8" Single Rec. (Terrazzo Floor)

One Piece Brass Cover and Carpet Flange†

Brass Aluminum 6.25" Dia.	SF3925 SFA3925	SFB3926* SFA3926	SF2525 –	SF2725 –	SF2925 –
Brass Plated					
	Duplex Flap	Style Line® Decorator Opening	2-1/8" x 3/4" Combination	2-1/8" x 1" Combination	2-1/8" Single Receptacle

**Note: Brass plated aluminum.*

Floor Box Cover to Receptacle Compatibility Chart

ScrubShield® cULus
Complies with UL514A

Cover Style			Terrazzo (2-1/8")	2-3/8"	2-1/8"	Duplex Flap	Duplex Plug	Style Line®
Round			S3325	S3525	S(A)2925 S(A)2725 S(A)2525	S(A)3925	S(A)3725	
Rectangular				S3425	S2825 S(A)2625 S(A)2425	S(A)3825	S(A)3625(TR)	S(A)3826
Rating	NEMA Config.							
2P, 3W 15A, 125V	5-15R		HBL5251 HBL5261 IG5261	HBL5251 HBL5261 IG5261	HBL5251 HBL5261 IG5261	5252AB 5262B CR5252IG HBL5252 HBL5262 IG5262	5252AB 5262B CR5252IG HBL5252 HBL5262 IG5262	HBL2152 IG2152 GFRST15 HBL5260SA HBL5262SA USB15
2P,3W 15A, 125V	L5-15R		HBL4710 IG4710	HBL4710 IG4710	HBL4710 IG4710	HBL4700 IG4700A HBL4792 HBL4794 HBL4795	HBL4700 IG4700A HBL4792 HBL4794 HBL4795	
2P, 3W 15A, 250V	6-15R		HBL5661 IG5661	HBL5661 IG5661	HBL5661 IG5661	HBL5652 HBL5662 IG5662	HBL5652 HBL5662 IG5662	
2P, 3W 15A, 250V	L6-15R		HBL4560 IG4560	HBL4560 IG4560	HBL4560 IG4560	HBL4550 IG4550A	HBL4550 IG4550A	
2P, 3W 15A, 277V	7-15R					HBL5302	HBL5302	
2P, 3W 15A, 277V	L7-15R		HBL4760	HBL4760	HBL4760	HBL4750	HBL4750	
2P, 3W 20A, 125V	5-20R		HBL5361 IG5361	HBL5361 IG5361	HBL5361 IG5361	5352AB 5362B CR5352IG HBL5352 HBL5362 IG5362	5352AB 5362B CR5352IG HBL5352 HBL5362 IG5362	HBL2162 IG2162 GFRST20 HBL5360SA HBL5362SA USB20
2P, 3W 20A, 125V	5-20R					HBL5392	HBL5392	
2P, 3W 20A, 125V	L5-20R		HBL2310 IG2310	HBL2310 IG2310	HBL2310 IG2310			
2P, 3W 20A, 250V	6-20R		HBL5461 IG5461	HBL5461 IG5461	HBL5461 IG5461	HBL5462 IG5462	HBL5462 IG5462	
2P, 3W 20A, 250V	L6-20R		HBL2320 IG2320	HBL2320 IG2320	HBL2320 IG2320			
2P, 3W 30A, 125V	L5-30R		HBL2610 IG2610	HBL2610 IG2610	HBL2610 IG2610			
2P, 3W 30A, 250V	L6-30R		HBL2620 IG2620	HBL2620 IG2620	HBL2620 IG2620			
3P, 4W, 20A 125/250V	14-20R		HBL8410	HBL8410	HBL8410			
	L14-20R		HBL2410 IG2410	HBL2410 IG2410	HBL2410 IG2410			
3P, 4W, 20A 3Ø 250V	15-20R		HBL8420	HBL8420	HBL8420			
	L15-20R		HBL2420 IG2420	HBL2420 IG2420	HBL2420 IG2420			
3P, 4W, 30A 125/250V	L14-30R		HBL2710 IG2710	HBL2710 IG2710	HBL2710 IG2710			
3P, 4W, 30A 3Ø 250V	L15-30R		HBL2720 IG2720	HBL2720 IG2720	HBL2720 IG2720			
3P, 4W, 30A 3Ø 600V	L17-30R		HBL2740	HBL2740	HBL2740			
4P, 5W, 20A 3ØY 120/208V	L21-20R		HBL2510 IG2510	HBL2510 IG2510	HBL2510 IG2510			
4P, 5W, 20A 3ØY 347/600V	L23-20R		HBL2530	HBL2530	HBL2530			
4P, 5W, 30A 3ØY 120/208V	L21-30R		HBL2810 IG2810	HBL2810 IG2810	HBL2810 IG2810			
4P, 5W, 30A 3ØY 347/600V	L23-30R		HBL2830	HBL2830	HBL2830			

Dimensions in Inches (mm)

Accessories

Theater Seating Floor Box

Description	Catalog Number
Hubbell's nonadjustable theater seating concrete floor box provides a 3/4 in. threaded hub for conduit connection to theater aisle lights. This floor box can also be used to power furniture receptacles in lecture halls, libraries and transportation terminals. It permits opening of the enclosure for wiring without disturbing above floor connections. Other features include a cast iron box with a corrosion-resistant finish and a blank steel cover. Threaded NPSM hubs: (3/4 in. surface, (3) 3/4 in. sides, 3/4 in. bottom) 18.80 cu. in. (380 cubic cm).	F3185

Theater Seating Floor Box



F3185

Problem Solvers and Replacement Components
Protective Ring for 2-1/8 Inch Threaded Covers

Description	Catalog Number
Provides mechanical and wet mop protection for plugs and receptacles (brass).	S3061

Protective Ring for 2-1/8" Threaded Covers



S3061

Coupling (Brass)

Couplings are utilized for straight conduit connections when a floor box is not required. The conduit stub is brought to within approximately 1-1/4 in. of the planned surface, and the coupling is mounted and adjusted prior to the concrete pour. Standard service heads may be mounted to the couplings as required.

Description	A	B	Catalog Number
3/4 in. threaded conduit size (female).	1.44" (36.6)	1.25" (31.8)	F1340

Coupling (Brass)



F1340

Dimensions in Inches (mm)

Problem Solvers and Replacement Components

Experiencing a problem? Let Hubbell accessories help solve it. Hubbell stacking (adjustable) collars are the answer if the box is set too low. Need a replacement? Choose from a full line of replacement covers and fittings. Hubbell accessories also help you with the protection you need for plugs and receptacles.

Stacking (Adjustable) Collars and Frames

Designed to be used if floor box is set too low beneath the floor surface or the adjustable collar and/or adapter on the box is damaged.

If the box number is...	Extension Value	Use Collar Number
FB2431, FB2421	0.78" (19.81)	FBC2100*
FB2432, FB2422	0.78" (19.81)	FBC2200*
FB2433, FB2423	0.78" (19.81)	FBC2300*
FB2536, FB2537, FB2527, FB2529	0.80" (20.32)	FBC2500*
FB4133	1.16" (29.64)	FBC4100*
FB4233	1.16" (29.64)	FBC4200*
FB4333	1.16" (29.64)	FBC4300*

*Note: *Only available as sets (collars and adapters). In cases where the adapter on the floor box is not damaged, and only stacking is required, discard the adapter and use only the collar. The adjustable collars listed above can be stacked as required to reach the floor surface. Longer screws will be required if more than one collar is stacked (screws not provided). These screws are commercially available. Flat head #12-24 UNC machine screw x (approx. length). Minor Upward Adjustments: Round or Rectangular cover frames (trim rings) may be stacked if the floor box is only slightly recessed below the floor surface.*

Round Replacement Flange

Round steel cover flange.	S5016PG

Replacement Carpet Flanges

	Rectangular	Rectangular	Rectangular	Round
Number of Gangs Dimensions	1-Gang 6.00" x 4.85"	2-Gang 6.00" x 8.13"	3-Gang 6.00" x 11.34"	1-Gang 5.25" Dia.
Brass‡ Aluminum‡ Clear Polycarbonate	SB3083 SA3083 S3083	SB3084 SA3084 S3084	SB3085 SA3085 S3085	– – S3079

Note: ‡Flange height; 0.24".

Crown Plugs

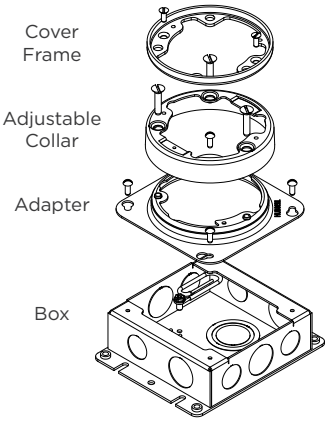
		Catalog Number	
Description	Used in the following covers	Brass	Aluminum
3/4" thread size.	S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525	S5012	SA5012
1" thread size.	S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725	S5013	SA5013

Flush Cap Rings

		Catalog Number	
Description	Used in the following covers	Brass	Aluminum
2-1/8" threaded plug with 3/4" thread size opening.	S2525, SA2525, S881, S2555, S2530, S2425, SA2425, SF2525	S5010	SA5010
2-1/8" threaded plug with 1" thread size opening.	S2725, SA2725, S2755, S2730, S2625, SA2625, SF2725	S5025	SA5025

Flush Plugs

		Catalog Number	
Description	Used in the following covers	Brass	Aluminum
3/4" I.P.S. thread size.	F1340	S5002	–
1" I.P.S. thread size.	F1539	S5003	–
1-1/2" fine thread size.	S3725, SA3725, S3625, SA3625	S5007	SA5007
2-1/8" fine thread size.	S2925, SA2925, S88, S2930, S2955, SF2925, S2825	S5020	SA5020
2-3/8" fine thread size.	S3525, S3425	S5030	–



Replacement Adjustable Collar



FBC2500 FBC4200



S5016PG



SB3083



S3085



S3079



SA3084

Crown Plugs



S5012 S5013

Flush Cap Rings



S5010

Flush Plugs



S5007

Dimensions in Inches (mm)

Fire-Classified Floor Box Solutions

ScrubShield® Complies with UL514A

Hubbell's fire-classified floor boxes are an excellent solution when there is not enough capacity in a poke through and the decking must be penetrated for electrical installations. Available in seven or eleven gang versions, our fire rated kits are compatible with our standard CFB7G6 and CFB11G6 series floor boxes.



Fire-Classified Floor Box Kits

- Preserves 2 or 3 hour fire classified floor rating
- Approved for installations using either light or normal weight concrete
- UL 514 and UL 263 Compliant
- Variety of ADA compliant cover choices for most floor types
- Four 1-1/2 inch box bottom entry conduits

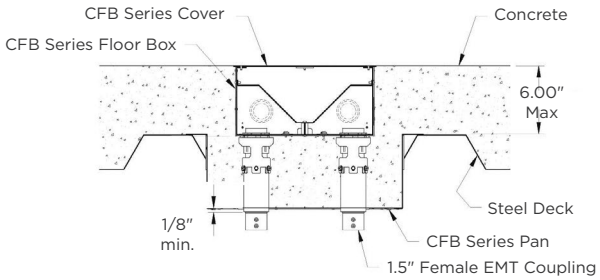
Fire-Resistant Floor Box Kit Includes

- Floor pan, conduit assemblies, hardware, leveling feet and manual

Note: Floor box ordered separately

Installation

- For Concrete pours from 3-1/4 in. up to 5-1/2 in. above upper most portion of decking
- Units can be mounted 2 ft. on center
- Fastens to deck with TEK screws or welding



CFB7G6/CFB11G6 Series



CFB7G6 Floor Box above **CFB7G6FRK** Installed in decking

Fire-Classified Kit for 7-Gang Floor Box

Floor box, cover and mounting plates NOT included.

Description		Catalog Number
Bottom feed conduits.	4	CFB7G6FRK
Bottom feed conduit size.	1-1/2 in	
Pan dimensions.	17-3/16 L x 17-3/16 W x 6-1/2 H in.	
Minimum depth of pour above deck roof.	3-1/4 in.	
Maximum depth of pour above deck roof.	5-1/2 in.	
Adjustment screw length, four per kit.	6 in.	
Required floor box (not included).	**CFB7G6**	



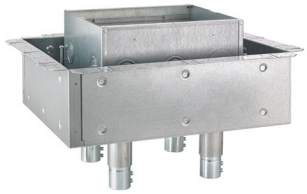
CFB7G6FRK Kit with **CFB7G6**

Fire-Classified Kit for 11-Gang Floor Box

Floor box, cover and mounting plates NOT included.

Description		Catalog Number
Bottom feed conduits.	4	CFB11G6FRK
Bottom feed conduit size.	1-1/2 in	
Pan dimensions.	20-11/16 L x 17-3/16 W x 6-1/2 H in.	
Minimum depth of pour above deck roof.	3-1/4 in.	
Maximum depth of pour above deck roof.	5-1/2 in.	
Adjustment screw length, four per kit.	6 in.	
Required floor box (not included).	**CFB11G6**	

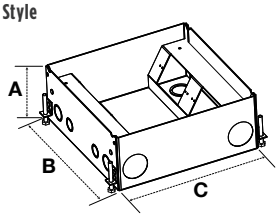
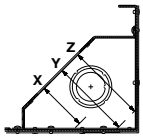
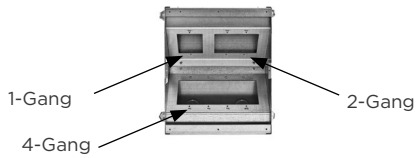
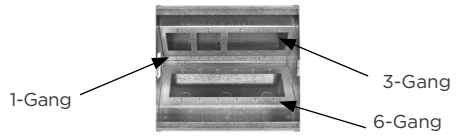
Dimensions in Inches (mm)



CFB11G6FRK Kit with **CFB11G6**

Recessed 7- and 11-Gang Concrete Floor Boxes

ScrubShield® Complies with UL514A

Style		CFB7G Series		CFB11G Series	
		7-Gang  CFB7G4	CFB7G6	11-Gang  CFB11G4	CFB11G6
Min. Depth of Pour		4.08" (103.5)	6.08" (154.3)	4.08" (103.5)	6.08" (154.3)
Adjustability		Before Pour	Before Pour	Before Pour	Before Pour
Dimensions:	A B C	4.08" (103.5) 10.0" (254.0) 12.2" (309.9)	6.08" (154.3) 10.0" (254.0) 12.2" (309.9)	4.08" (103.5) 13.5" (342.9) 12.2" (309.9)	6.08" (154.3) 13.5" (342.9) 12.2" (309.9)
KO Trade Size:	Sides Back Front Bottom	(4) 1", 1-1/4" (1) 1", 1-1/4", 1-1/2", (1) 2" (2) 1", 1-1/4", 1-1/2" (4) 1", 1-1/4", 1-1/2"	(4) 1", 1-1/4" (1) 1", 1-1/4", 1-1/2", (1) 2" (2) 1", 1-1/4", 1-1/2" (4) 1", 1-1/4", 1-1/2"	(4) 1", 1-1/4" (1) 1", 1-1/4", 1-1/2", (1) 2" (2) 1", 1-1/4", 1-1/2", (2) 3/4", 1" (5) 1", 1-1/4", 1-1/2" , (2) 3/4", 1"	(4) 1", 1-1/4", 1-1/2" (2) 1", 1-1/4", 1-1/2", (1) 2" (2) 1", 1-1/4", 1-1/2", (2) 3/4", 1" (5) 1", 1-1/4", 1-1/2", (2) 3/4", 1"
Side View Depth behind mounting plate		X - 1.01" Y - 2.41" Z - 3.51"	X - 2.37" Y - 3.77" Z - 3.65"	X - 1.02" Y - 2.42" Z - 3.50"	X - 2.37" Y - 3.81" Z - 3.72"
Accepts industry standard size wallplates (sold separately)		(1) 1-Gang (1) 2-Gang (1) 4-Gang	(1) 1-Gang (1) 2-Gang (1) 4-Gang	(2) 1-Gang (1) 3-Gang (1) 6-Gang	(1) 2-Gang (1) 3-Gang (1) 6-Gang
Interior Configuration					

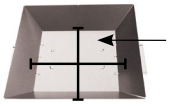
Note: UL File Number E31999. CSA File Number LR18416.

Accessories

On-grade Barrier
The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

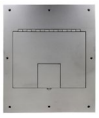
CFBOGPAN4





Pour Pan Dimensions: 15.75 in. sq. 4 in. depth

Floor Box Covers

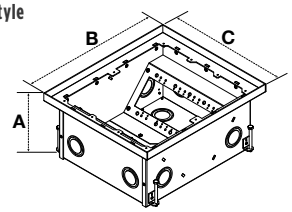
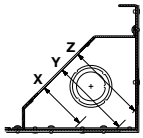
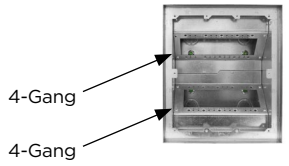
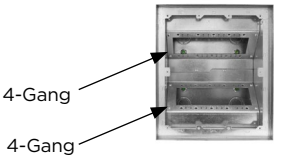
CFB7G Series				CFB11G Series			
 Brass	 Aluminum	 Black	 Stainless Steel	 Brass	 Aluminum	 Black	 Stainless Steel
Flange and cover; Beveled edge for carpet, 1/4" Edging				Flange and cover; Beveled edge for carpet, 1/4" Edging			
CFB7CVRBRS	CFB7CVRALU	CFB7CVRBLK	–	CFB11CVRBRS	CFB11CVRALU	CFB11CVRBLK	–
Flange and cover; Square edge for tile, 1/2" Edging				Flange and cover; Square edge for tile, 1/2" Edging			
CFB7TBRS	CFB7TALU	–	–	CFB11TBRS	CFB11TALU	–	–
Flange and cover; No Edging*				Flange and cover; No Edging*			
–	–	CFB7CVRCBLK	CFB7CVRCSS	–	–	CFB11CVRCBLK	CFB11CVRCSS

*Note: Covers provide a recessed area, allowing floor covering to be inserted. *Not UL Listed or CSA Certified.*

Dimensions in Inches (mm)

Recessed 8-Gang Ballroom Series Floor Boxes

ScrubShield® Complies with UL514A

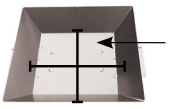
Style		CFB8FC Series	
		8-Gang  **CFB8FC1**	8-Gang  **CFB8FC2**
Application		Carpet	Tile, Finished Concrete
Min. Depth of Pour		6.95" (176.5)	7.15" (181.6)
Adjustability		Before Pour	Before Pour
Dimensions:	A B C	6.95" (176.5) 15.00" (381.0) 13.00" (330.2)	7.15" (181.6) 14.75" (374.7) 12.75" (323.9)
KO Trade Size:	Sides Front & Back Bottom	(4) 1", 1-1/4", 1-1/2" (4) 1", 1-1/4", 1-1/2" (4) 1", 1-1/4", 1-1/2"	(4) 1", 1-1/4", 1-1/2" (4) 1", 1-1/4", 1-1/2" (4) 1", 1-1/4", 1-1/2"
Side View Depth behind mounting plate		X = 2.27" (57.7) Y = 4.01" (101.9) Z = 3.13" (79.5)	X = 2.27" (57.7) Y = 4.01" (101.9) Z = 3.13" (79.5)
Accepts industry standard size wallplates (sold separately) 4.63" Maximum Cover Height		One, two, three and four gang plates. Customer configuration dependant. 	One, two, three and four gang plates. Customer configuration dependant. 

Note: UL File Number E31999.

Accessories

On-grade Barrier
The on-grade barrier is intended for use on installations at grade level. This accessory is installed prior to the concrete pour and provides a barrier between the soil. The on-grade barrier comes with leveling feet and anchor points.

CFBOGPAN4


Pour Pan Dimensions: 15.75 in. sq. 4 in. depth

Covers

	CFB8FC1 Covers		CFB8FC2 Covers	
All ballroom floor box covers are machined from Aluminum and have no additional finish options				
Carpet Cover, with 2 egress doors (0.20" depth)	**CFB8CVRALU1**	–	–	–
Flush cover, with 2 egress doors	–	–	**CFB8CVRALU2**	–
Blank box cover	–	**CFB8JBC1**	–	**CFB8JBC2**
Cover Load Ratings*: Recommended Loading Maximum Load	 20,000 lb 40,000 lb	 20,000 lb 40,000 lb	 20,000 lb 40,000 lb	 20,000 lb 40,000 lb

*Note: *Load applied through 3" (76mm) mandrel in center of cover. Loads are static and don't apply to rolling loads.*

Dimensions in Inches (mm)

Hubbell offers a variety of above-floor service pedestals to satisfy just about any requirement. Large capacity enables a choice of services—you can even create your own unique pedestal to satisfy specific requirements. Above floor service fittings are ideal for furniture feed applications.

Pedestals – Metallic – LO-CON (single service only)
Traditional metallic pedestals with die-cast aluminum frame, brushed aluminum housing and stainless steel faceplates. These pedestals are offered as component parts. They mount on floor box covers or floor deck/duct systems with 3/4 inch or 1 inch threaded openings.

Create Pedestal – Create your own pedestal to meet specific service requirements. Order housing, face plates and devices separately.

Description	Catalog Number
Frame, housing, 3/4 in. chase nipple, without plates.	SC3098A
Frame, housing, 1 in. chase nipple, without plates.	SC3099A
Blank plate.	SS309B
Telephone bushing with 1 in. I.D. and (2) 3/8 in. KO for coax.	SS309T
Single receptacle plate with 1.39 in. (35.3) opening.	SS309S
Duplex receptacle plate.	SS309D
Style Line® decorator plate.	SS309DS

Furniture Feed Plates – Use with SC3098A or SC3099A housings to feed furniture systems in office settings or display cases in retail applications.

Description	Catalog Number
Aluminum plate with 3/4 in. trade size knockout.	SS309SF
Aluminum plate, blank.	SS309BF

Note: When using SS309SF on Hubbell's LO-CON pedestals, SS309BF must be used on the opposite side.

Pedestals – Specialized Service – Large Capacity Pedestals (single service only)

Designed to accommodate receptacles up to 50A (4-gang only). These brushed aluminum pedestals are furnished with either a 3/4 inch or 1 inch hub and are designed for mounting to floor box covers with 3/4 inch or 1 inch threaded openings. Create your own unique pedestal with a wide choice of stainless steel plates and devices.

Description (2-Gang Housing)	Catalog Number
2-gang aluminum pedestal, grounded (front and back) with 3/4 in. hub.	SA6685G
2-gang aluminum pedestal, grounded (front and back) with 1 in. hub.	SA6686G

Plate Option – 1-Gang

Description	Catalog Number
Duplex opening.	SS8
Style Line® decorator opening.	SS26
Single receptacle opening – boss diameter 1.36 to 1.39 in. (34.5 to 35.3).	SS7
Single receptacle opening – boss diameter 1.55 to 1.58 in. (39.4 to 40.1).	SS720
Blank plate.	SS13
Description (4-Gang Housing)	**Catalog Number**
4-gang aluminum pedestal (2 front and 2 back), with 3/4 in. hub.	SA6687G
4-gang aluminum pedestal (2 front and 2 back), with 1 in. hub.	SA6688G

Plate Option – 2-Gang

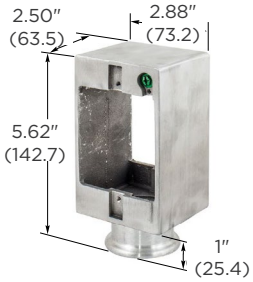
Description	Catalog Number
Two duplex openings.	SS82
Two Style Line® decorator openings.	SS262
Two single receptacle openings – boss diameter 1.36 to 1.39 in. (34.5 to 35.3).	SS72
Single receptacle opening – boss diameter 2.41 to 2.44 in. (61.2 to 62.0).	SS701
Single receptacle opening – boss diameter 2.09 to 2.13 in. (53.1 to 54.1).	SS703
Blank plate.	SS23



SC3098A
SC3099A


SS309D SS309DS

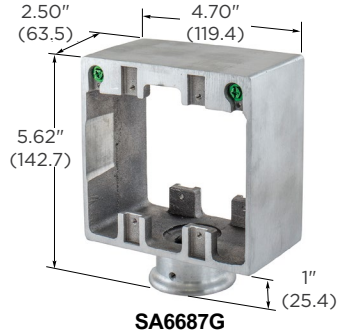
2-Gang



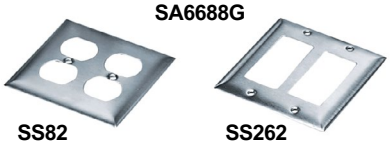
SA6685G
SA6686G


SS7 SS720 SS26

4-Gang



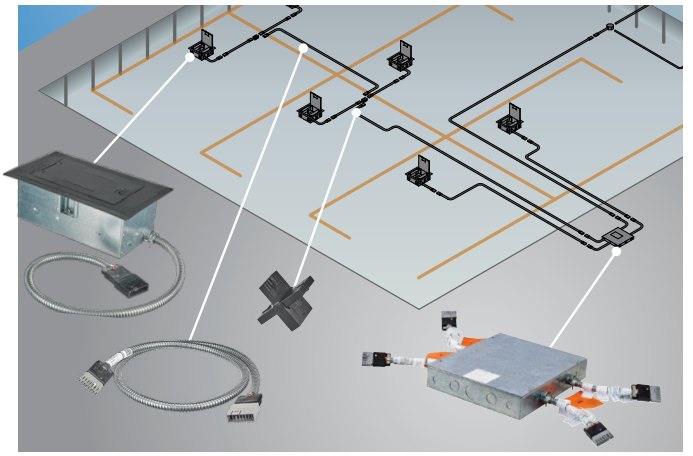
SA6687G
SA6688G


SS82 SS262

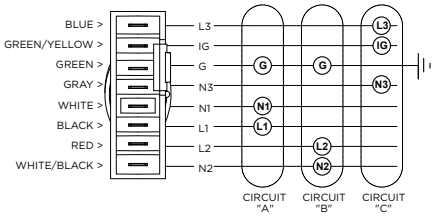
Dimensions in Inches (mm)

CONNEXION Zone Distribution System

The Hubbell CONNEXION 2.0 Zone Distribution System is a factory assembled, flexible, modular plug-n-play system with Hubbell AFB Series Boxes that delivers power in raised floor installations. This unique system increases the value of the infrastructure and meets the challenges posed by new construction and renovation in commercial offices, retail outlets and educational facilities. By improving cable management, enhancing flexibility, and reducing administration expense, the CONNEXION 2.0 Zone Distribution System allows power needs to be addressed in a timely and effective manner. The basic CONNEXION 2.0 building blocks are shown below.



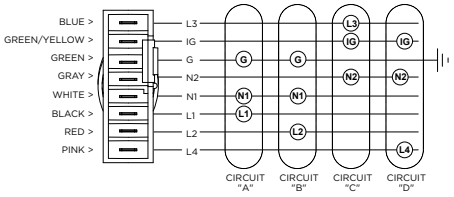
3/3/2 System Configuration (3-Hots, 3-Neutrals, 2-Grounds)



Appropriate for a 120/208 volt 3ØY power distribution and dedicated neutrals are desired.

- Three circuit capacity
- Isolated ground capability for sensitive equipment
- Each circuit has its own #12 AWG neutral
- Component Rating: 20 amperes at 120/208 volt
- 8-Wires (3 hots, 3 neutrals, 1 equipment ground, 1 isolated ground)

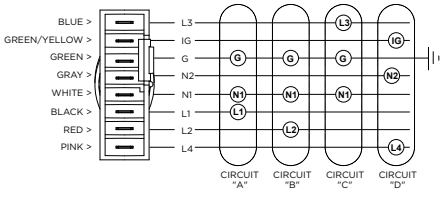
4/2/2 System Configuration (4 Hots, 2 Neutrals, 2 Grounds) 2 + 2 Wiring Configuration



Appropriate in areas where shared neutral conductors are utilized.

- Two circuits share one #10 AWG neutral to manage harmonics for general purpose
- Two additional circuits share one #10 AWG neutral to manage harmonics for general purpose
- Isolated ground capability for sensitive equipment
- Component Rating: 20 amperes at 120/208 volt
- 8-Wires (4 hots, 2 neutrals, 1 equipment ground, 1 isolated ground)

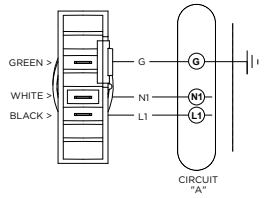
4/2/2 System Configuration (4 Hots, 2 Neutrals, 2 Grounds) 3+ 1 Wiring Configuration



Appropriate in areas where shared neutral conductors are utilized.

- Three circuits share #10 AWG neutral to manage harmonics for general purpose
- One circuit on dedicated #10 AWG neutral for sensitive equipment
- Isolated ground capability for sensitive equipment
- Component Rating: 20 amperes at 120/208 volt
- 8-Wires (4 hots, 2 neutrals, 1 equipment ground, 1 isolated ground)

1/1/1 System Configuration (1 Hot, 1 Neutral, 1 Ground)



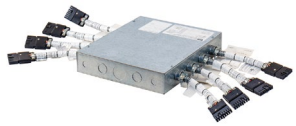
- One circuit capacity
- Component Rating: 20 amperes at 120/208 volt
- 3-Wires (1 hot, 1 neutral, 1 equipment ground)

Note: Contact factory for custom wiring configurations.

2.0 Zone Boxes

Zone Box Part Number	Wiring Configuration	Output Whips	Total Number of Circuits per Box	Circuits per Whip	Home Run Connection Type
ZB332C3W1POUT*	332	1	3	3	Wire nuts to open leads
ZB332C6W2P	332	2	6	3	Wire nuts to open leads
ZB332C12W4P	332	4	12	3	Wire nuts to open leads
ZB332C3W2TC	332	2	3	3	Single Screw down terminal block
ZB332C3W4TC	332	4	3	3	Single Screw down terminal block
ZB332C6W2TM	332	2	6	3	Multi Screw down terminal block
ZB332C12W4TM	332	4	12	3	Multi Screw down terminal block
ZB422S2C4W1POUT*	422, 2+2	1	4	4	Wire nuts to open leads
ZB422S2C8W2P	422, 2+2	2	8	4	Wire nuts to open leads
ZB422S2C16W4P	422, 2+2	4	16	4	Wire nuts to open leads
ZB422S2C4W2TC	422, 2+2	2	4	4	Single Screw down terminal block
ZB422S2C4W4TC	422, 2+2	4	4	4	Single Screw down terminal block
ZB422S2C8W2TM	422, 2+2	2	8	4	Multi Screw down terminal block
ZB422S2C16W4TM	422, 2+2	4	16	4	Multi Screw down terminal block
ZB422S3C4W1POUT*	422, 3+1	1	4	4	Wire nuts to open leads
ZB422S3C8W2P	422, 3+1	2	8	4	Wire nuts to open leads
ZB422S3C16W4P	422, 3+1	4	16	4	Wire nuts to open leads
ZB422S3C4W2TC	422, 3+1	2	4	4	Single Screw down terminal block
ZB422S3C4W4TC	422, 3+1	4	4	4	Single Screw down terminal block
ZB422S3C8W2TM	422, 3+1	2	4	4	Multi Screw down terminal block
ZB422S3C16W4TM	422, 3+1	4	16	4	Multi Screw down terminal block
ZB111C1W1POUT*	111	1	1	1	Wire nuts to open leads
ZB111C2W2P	111	2	2	1	Wire nuts to open leads
ZB111C4W4P	111	4	4	1	Wire nuts to open leads
ZB111C6W6P	111	6	6	1	Wire nuts to open leads
ZB111C8W8P	111	8	8	1	Wire nuts to open leads
ZB111C1W2TC	111	2	1	1	Single Screw down terminal block
ZB111C1W4TC	111	4	1	1	Single Screw down terminal block
ZB111C1W6TC	111	6	1	1	Single Screw down terminal block
ZB111C1W8TC	111	8	1	1	Single Screw down terminal block
ZB111C2W2TM	111	2	2	1	Multi Screw down terminal block
ZB111C4W4TM	111	4	4	1	Multi Screw down terminal block
ZB111C6W6TM	111	6	6	1	Multi Screw down terminal block
ZB111C8W8TM	111	8	8	1	Multi Screw down terminal block

*Note: *OUT suffix denotes single whip output zone box, which will not be further expanded.*



Zone distribution Boxes are the core of the Connexion 2.0 system. They serve as the main interface between the conventionally connected electrical system and the labor saving Connexion 2.0 system. With a large array of knock outs, they can accept most conduit sizes when run from the circuit breaker panel. They also accept labor saving Homerun cables as part of the Connexion 2.0 system. With depth of 3 inches, the zone boxes will fit in almost any raised flooring system. Custom configurations are also available. Contact Hubbell Wiring Systems for ordering information.



2.0 Furniture Feeds

Furniture feeds are junction boxes which come with a pre attached power "IN" connector allowing transition to building hard-wiring underneath the raised floor.

Zone Box Part Number	Wiring Configuration	Output Whips	Total Number of Circuits per Box	Circuits per Whip	Home Run Connection Type
ZB332C3W1PIN	332	1	3	3	Wire nuts to open leads
ZB422S2C4W1PIN	422, 2+2	1	4	4	Wire nuts to open leads
ZB422S3C4W1PIN	422, 3+1	1	4	4	Wire nuts to open leads
ZB111C1W1PIN	111	1	1	1	Wire nuts to open leads

2.0 Splitters

Distributes all cable conductors to up to three locations (one "IN", three "OUTS") to increase the amount of floor boxes fed from a singe Zone Distribution Box output whip.

Catalog Number	Wires	Hot Circuits
SP31	3	1
SP83	8	3
SP84	8	4

2.0 Extender Cables

Hubbell Connexion 2.0 extender cables have male (power "IN") / female (power "OUT") ends allowing them to be connected in the field as needed. Available in three different versions, 422, 332, and 111, in 5 ft. increments up to 30 ft.

422 Family	332 Family	111 Family	Length	Connectors
CEXT422MFL01	CEXT332MFL01	CEXT111MFL01	1 ft.	Male / Female
CEXT422MFL05	CEXT332MFL05	CEXT111MFL05	5 ft.	Male / Female
CEXT422MFL10	CEXT332MFL10	CEXT111MFL10	10 ft.	Male / Female
CEXT422MFL15	CEXT332MFL15	CEXT111MFL15	15 ft.	Male / Female
CEXT422MFL20	CEXT332MFL20	CEXT111MFL20	20 ft.	Male / Female
CEXT422MFL25	CEXT332MFL25	CEXT111MFL25	25 ft.	Male / Female
CEXT422MFL30	CEXT332MFL30	CEXT111MFL30	30 ft.	Male / Female
CEXT422FWL01	CEXT332FWL01	CEXT111FWL01	1 ft.	Female / Open
CEXT422FWL01XP*	CEXT332FWL01XP*	CEXT111FWL01XP*	1 ft.	Female / Open
CEXT422MWL01	CEXT332MWL01	CEXT111MWL01	1 ft.	Male / Open
CEXT422MWL01XP*	CEXT332MWL01XP*	CEXT111MWL01XP*	1 ft.	Male / Open
CEXT422MWL05	CEXT332MWL05	CEXT111MWL05	5 ft.	Male / Open
CEXT422MWL15	CEXT332MWL15	CEXT111MWL15	15 ft.	Male / Open

*Note: *Standard lead length is 12 in. long. XP Suffix denotes 18 in. long leads for installments requiring extra-long wires. 5 piece minimum order quantities.*



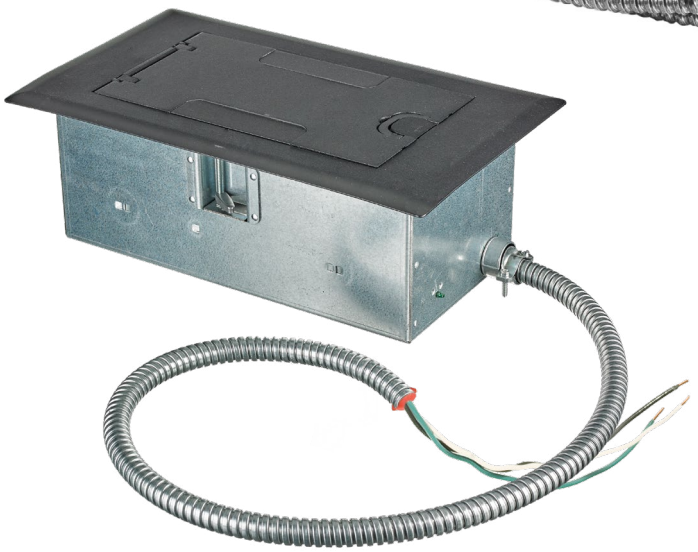


Custom Pre-Wired Access Floor Boxes

Cover

- 180° cover opening
- Two large cable egress doors
- Die cast aluminum construction
- Five powder coat finishes
- ADA compliant





Box

- 16 gauge galvanized sheet metal construction

Cable Whip

- Wire leads for field termination
- Pre-wired cable whip

Features and Benefits

- Reduce job site fabrication time and installation labor
- Access Floor Box pre-wired to your specifications
  - » Choose from Hubbell quality devices
  - » Single or multiple circuit wiring configurations
  - » Various cable lengths
- Reduce job site waste
- Pigtail terminates beneath raised floor
- Box covers available in five finishes
- UL Listed Wiring Assembly, file number E305156

Pre-Wired Raised Access Floor Box Options - Contact Hubbell Wiring Systems for Ordering Information

Box Series	Description	Cover Style	Cut Out Dimensions	Conduit Knockouts
AFB2G25PW	2-Gang, 2-1/2" Depth	Rectangular	6-3/4" x 13-1/8"	1/2" – 3/4"
AFB2G50PW	2-Gang, 5.0" Depth	Rectangular	6-3/4" x 13-1/8"	1/2" – 2"
AFB4G25PW	4-Gang, 2-1/2" Depth	Rectangular	11-1/4" x 11-1/8"	1/2" – 3/4"
AFB4G50PW	4-Gang, 5.0" Depth	Rectangular	11-1/4" x 11-1/8"	1/2" – 2"
AFB10G55PW	10-Gang, 5-1/2" Depth	Rectangular	11" x 11-1/4"	1/2" – 2"
RAFB4PW	4-Gang, 8.0" Depth	Round	8" Diameter	1/2" – 2"

Featuring the unique capabilities of Hubbell's SystemOne universal cover and sub-plate design, Hubbell has expanded its floor box offering to provide industry leading flexibility while accommodating an extensive range of applications. Hubbell SystemOne is constructed to give customers the ability to create personal solutions for their most demanding, power, data and audio/video requirements.

SystemOne Recessed Raised Access and Wood Floor Applications



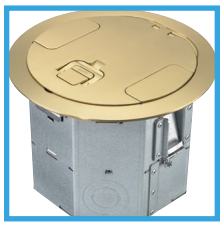
2-Gang Rectangular

Ideal for applications that call for basic power and data/AV requirements. The 2-gang boxes can be used as an access point to electrical or data connections, or as a furniture feed to power interior furniture partitions. Available in two box depths, the 2-1/2 in. depth works well in floors using short pedestals; the 5 in. depth is ideal for furniture feed applications. The rectangular covers are available in assorted finishes to enhance any design scheme.



4-Gang Rectangular

The Hubbell SystemOne 4-Gang Recessed Raised Access or Wood Floor Box delivers AV plus power. Similar to the 2-gang recessed raised access floor box, the 4-gang 2-1/2 inch box depth provides a solution for floors using short pedestals. The 5 inch depth is ideal for applications with a lot of requirements. Rectangular covers in a variety of finishes will match any existing or new style.



4-Gang Round

With an 8 in. diameter, the Hubbell SystemOne 4-Gang Round Recessed Floor Box is ideal for use in raised access floors with pre-cut tile or wood floor coverings. With a variety of finish selections, the round covers blend in with the flooring and overall design of the building. Deep, 2-3/4 in. wiring compartments are ready to accommodate today's most advanced, high-performance power, data and AV needs to supply reliable connectivity.



10-Gang Rectangular

Designed to serve high-capacity, multi-service applications, the 10-gang floor box supports installation with an array of Hubbell power, data and AV devices. Third-party mounting plates are available for other manufacturers' devices, including Extron®, Crestron® and FSR®. A 5-1/2 in. box depth offers great capacity for connectivity, with the ability accept 2 in. conduit to meet growing AV and data needs. The rectangular covers come in a variety of colors and finishes to enhance any building's design.

Cover

- 180° cover opening
- Two large cable egress doors
- Listed to UL 514A and UL scrubwater compliant
- Die cast aluminum cover construction
- Available in round, rectangular and furniture feed styles
- All covers are ADA compliant

Rectangular Boxes

- 16 gauge galvanized sheet metal
- 6 in. solid conductor ground pigtail in each gang
- Many boxes allow for 2 in. conduits
- Mounts in tiles 3/4 in. to 2 in. thick
- Patent pending, labor saving, easy mount device plates
- Plenum rated box assemblies

Round Box

- Fits in 8 in. diameter air diffuser holes
- 16 gauge galvanized sheet metal construction
- Individual grounding screws for each gang
- 2 in. knock-out on the bottom allows for large amounts of data and/or AV devices
- Mounts in tiles 3/4 in. to 2 in. thick
- Plenum rated box assemblies

Pre-Wired Assemblies

- AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system as shown on page O-40 and O-41
- Plenum rated box assemblies
- Contact Hubbell Sales Representative for details

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FSR® is a registered trademark of FSR Inc.

Selecting a SystemOne Recessed Raised Access or Wood Floor Box

To assist with the floor box selection process, please have the following information available:

Electrical requirements	Box depth	Cover style
Power (each electrical device requires one gang) Data/AV (consult manufacturers' specification for size/volume requirements), number required. Add up total number to determine needed capacity. If necessary capacity is not shown round up to next size. Example: 9-Gang rounds up to a 10-Gang floor box.	Determine maximum tile thickness and stantion height and add together. Box depth can not exceed total.	Round Rectangular

Once this information is gathered start on the right column "capacity" select necessary box, then select the concrete pour depth and on-grade or above-grade application, and finally cover style. Locate inter connecting point of all three categories and move to right to select correct catalog number.:

① *Capacity: Select necessary box*

② *Box Depth: Determine maximum possible depth (tile and stantion height total) and select a depth less than the calculated height*

③ *Cover Style: Select Round or Rectangular, not all box sizes are available in round*

④ *Locate interconnecting point of all three categories and move to right to select correct catalog number*

Capacity ①	Box Depth ②						Select Correct Catalog Number ④
	2-1/2 in.		5 in.		5-1/2 in.	6-1/4 in.	
2-Gang	•	•					AFB2G25
	•	•					AFB2G25CHI
			•	•			AFB2G50
			•	•			AFB2G50CHI
4-Gang	•						AFB4G25
	•						AFB4G25CHI
			•				AFB4G50
			•				AFB4G50CHI
						•	RAFB4BASE
10-Gang					•		AFB10G55
					•		AFB10G55CHI
	Rectangular	Furniture Feed	Rectangular	Furniture Feed	Rectangular	Round	
	Cover Style ③						






SystemOne Recessed Benefits and Enhancements

Functionality

- Cables and connections are protected by recessed functionality
- Open architecture sub-plate design
- Dirt ingress reduced by egress door brushes
- Meets UL 514A scrubwater requirements with ScrubShield® technology
- Easy selection with common flange for all floor types
- Round and rectangular box versions available
- Plenum rated box assemblies

Value

- Enhance building décor with numerous finishes
- Increase durability and longevity with cast aluminum covers
- AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

Online Resources

- BIM models, customer drawings and technical specifications are available on www.hubbell-wiring.com





Safety

- Low profile flanges meet ADA requirements
- Hide-away egress doors fold under cover while in use
- 180° opening of main doors



Covers

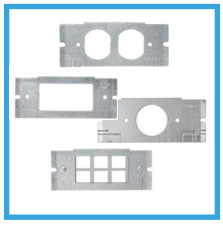
- Die cast construction available in five finishes
- Furniture feed includes one 2 in. conduit hub and one 1 in. conduit hub with reducer to 3/4 in.
- Maximum static load of 800 lbs. with 2x safety factor*

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*



Rectangular Floor Boxes

- Standard or Chicago version available
- Temporary cover included



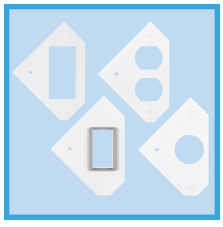
Plates

- For use with 2, 4 and 6-gang floor boxes
- Easy single screw mounting



Round Floor Boxes

- Corrosion resistant
- Temporary cover included



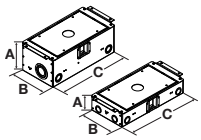
RAFB4 Plates

- All RAFB4SP series plates are powder coat white

Note: Visit web site for information on Hubbell's Pre-wired, Plug and Play, Connexion System.

SystemOne Recessed 2-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

ScrubShield® Complies with UL514A

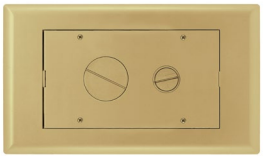
Style / Box Type			
Standard Chicago (No Knockouts)	**AFB2G50 AFB2G50CHI**	**AFB2G25 AFB2G25CHI**
Minimum Depth from Top of Floor Tile	5.32" (135.1)	2.88" (73.2)
Cubic Inch (cm^3) Capacity per Gang	60 cu. in. (980 cm^3)	30 cu. in. (491.7 cm^3)
Furniture Feed; Cubic Inch (cm^3) Capacity per Chamber	135 cu. in. (2212.2 cm^3)	78 cu. in. (1288.3 cm^3)
Dimensions – A	5.12" (130.1)	2.68" (68.2)
Dimensions – B	6.32" (160.5)	6.32" (160.5)
Dimensions – C	12.82" (325.6)	12.82" (325.6)
KO Trade Size: Ends Sides Bottom	(2) 1/2", (2) 1", 1-1/4", 1-1/2", 2" (4) 1/2", 3/4", 1", 1-1/4" (4) 1/2", 3/4", 1", 1-1/4"	(4) 1/2", 3/4" (4) 1/2", 3/4" (2) 1/2", 3/4", (2) 1", 1-1/4"
Floor Thickness	.62- 2.12" (15.7- 53.8)	.62- 2.12" (15.7- 53.8)
Cover Family	Rectangular	Rectangular
Temporary Cover Included	✓	✓

Note: UL File Number E31999.


Aluminum Powder Coat


Black Powder Coat


Bronze Powder Coat


Brass Powder Coat

Rectangular Covers (for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- Furniture feed includes one 2 in. conduit hub and one 1 in. conduit hub with reducer to 3/4 in.
- Maximum static load of 800 lbs. with 2x safety factor*
- Furniture Feed Covers ship with low voltage dividers

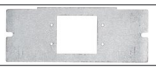
Surface Cover Dimensions 15 in. x 8-3/4 in.

Finish	Without Insert	With Insert	Furniture Feed
Aluminum Powder Coat	**2GAFBCVRALU**	**2GAFBCVRALUC**	**2GAFBFFCVRALU**
Black Powder Coat	**2GAFBCVRBK**	**2GAFBCVRBKC**	**2GAFBFFCVRBK**
Brass Powder Coat	**2GAFBCVRBRS**	**2GAFBCVRBRSC**	**2GAFBFFCVRBRS**
Bronze Powder Coat	**2GAFBCVRBRZ**	**2GAFBCVRBRZC**	**2GAFBFFCVRBRZ**
Satin Nickel Powder Coat	**2GAFBCVRNK**	**2GAFBCVRNKC**	**2GAFBFFCVRNK**

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Plates - for use in 2 and 4-Gang Floor Boxes

UL 514A Listed

Plate Style	(1) Decorator Opening	(1) Duplex Opening	(2) Extron® MAAP Openings	(2) Extron Openings	(2) 1U Hubbell iStation Openings
Cat. No.	**FBMPREC**	**FBMPDUP**	**FBMPMAAP**	**FBMPAAP**	**FBMP2IM**
					
Plate Style	(1) 1.5U Hubbell iStation Opening	(1) Simplex Opening 1.40 in. Diameter	(1) Twist-Lock® Opening 1.60 in. Diameter	1-Gang Blank	Cable Feed Through with Bushing
Cat. No.	**FBMP15IM**	**FBMP139**	**FBMP156**	**FBMPBNK**	**FBMPFT**
					
Plate Style	(1) Opening for TracJack® or Series II®	(2) Hubbell Jack Openings and (4) Jack KOs w/Label Field	(1) Opening with Hubbell ISF6 Frame for Keystone Jacks		
Cat. No.	**FBMPTRAC**	**FBMP6DJ**	**FBMP6KS**		
					

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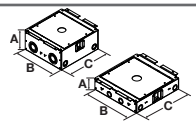
Dimensions in Inches (mm)

SystemOne Recessed 4-Gang Rectangular Floor Boxes,Covers and Plates For Use In Raised Access or Wood Floors

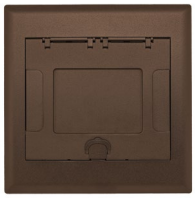
ScrubShield® Complies with UL514A

Style / Box Type			
Standard Chicago (No Knockouts)		**AFB4G50** **AFB4G50CHI**	**AFB4G25** **AFB4G25CHI**
Minimum Depth from Top of Floor Tile		5.37" (136.4)	2.88" (73.2)
Cubic Inch (cm³) Capacity per Gang		57.5 cu. in. (940 cm³)	26.5 cu. in. (434.3 cm³)
Dimensions – A		5.18" (131.4)	2.69" (68.3)
Dimensions – B		11.11" (282.2)	11.11" (282.2)
Dimensions – C		10.90" (276.9)	10.90" (276.9)
KO Trade Size: Ends Sides Bottom		(2) 1/2", (2) 1", 1-1/4", 1-1/2", 2" (4) 1/2", 3/4", 1", 1-1/4" (4) 1/2", 3/4", 1", 1-1/4"	(4) 1/2", 3/4" (4) 1/2", 3/4" (4) 1/2", 3/4", (4) 1", 1-1/4"
Floor Thickness		.62- 2.12" (15.7- 53.8)	.62- 2.12" (15.7- 53.8)
Cover Family		Rectangular	Rectangular
Temporary Cover Included		✓	✓

Note: UL File Number E31999.


Aluminum Powder Coat


Black Powder Coat


Bronze Powder Coat


Satin Nickel Powder Coat

Rectangular Covers (for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- UL 514A listed
- Maximum static load of 1500 lbs. with 2x safety factor*

Surface Cover Dimensions 13 in. x 13-1/4 in.

Finish	Without Insert	With Insert
Aluminum Powder Coat	**4GAFBCVRALU**	**4GAFBCVRALUC**
Black Powder Coat	**4GAFBCVRBK**	**4GAFBCVRBKC**
Brass Powder Coat	**4GAFBCVRBRS**	**4GAFBCVRBRSC**
Bronze Powder Coat	**4GAFBCVRBRZ**	**4GAFBCVRBRZC**
Satin Nickel Powder Coat	**4GAFBCVRNK**	**4GAFBCVRNKC**

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

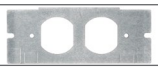
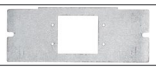
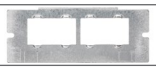
Accessories

Description	Catalog Number
AFB4G series replacement dividers.	**AFB4GDIVKIT**



Plates - for use in 2 and 4-Gang Floor Boxes

UL 514A listed

Plate Style	(1) Decorator Opening	(1) Duplex Opening	(2) Extron® MAAP Openings	(2) Extron Openings	(2) 1U Hubbell iStation Openings
Cat. No.	**FBMPREC**	**FBMPDUP**	**FBMPMAAP**	**FBMPAAP**	**FBMP2IM**
					
Plate Style	(1) 1.5U Hubbell iStation Opening	(1) Simplex Opening 1.40 in. Diameter	(1) Twist-Lock® Opening 1.60 in. Diameter	1-Gang Blank	Cable Feed Through with Bushing
Cat. No.	**FBMP15IM**	**FBMP139**	**FBMP156**	**FBMPBNK**	**FBMPFT**
					
Plate Style	(1) Opening for TracJack® or Series II®	(2) Hubbell Jack Openings and (4) Jack KOs w/Label Field	(1) Opening with Hubbell ISF6 Frame for Keystone Jacks		
Cat. No.	**FBMPTRAC**	**FBMP6DJ**	**FBMP6KS**		
					

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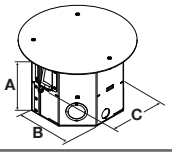
Dimensions in Inches (mm)

SystemOne Recessed 4-Gang Round Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

ScrubShield® Complies with UL514A

Style / Box Type		
Round		**RAFB4BASE**
Minimum Depth from Top of Floor Tile		6.47" (164.3)
Cubic Inch (cm^3) Capacity per Gang		28.5 cu. in. (460 cm^3)
Dimensions – A		6.41" (162.9)
Dimensions – B		7.33" (186.2)
Dimensions – C		8.05" (204.6)
KO Trade Size: Sides	(2) 1/2"	(2) 3/4", 1-1/2" - Concentric, (2) 1", 1-1/4" - Concentric
Bottom	(1) 1-1/2", 2"	(1) 3/4", 1" - Concentric, (1) 3/4", 1", 1-1/4" - Concentric
Floor Thickness		.71" (19.1) - 2.50" (63.5)
Temporary Cover Included		✓
ADA		Flange thickness is 1/8 inches thick and complies with ADA requirements

Note: UL File Number E31999.



RAFB4NKL
with Devices



RAFB4BRS



Brushed Aluminum



Black Powder Coat



Brass Plated



Antique Bronze Plated



Gray Powder Coat



Stain Nickel Plated

RAFB4 Series – Round Floor Box with Cover

Includes: RAFB4BASE and 8 in. cover

Cover Finish	Catalog Number
Brushed Aluminum	**RAFB4ALU**
Black Powder Coat	**RAFB4BLK**
Brass Plated	**RAFB4BRS**
Antique Bronze Plated	**RAFB4BRZ**
Gray Powder Coat	**RAFB4GRY**
Satin Nickel Plated	**RAFB4NKL**

8 Inch Round Covers- * 1,000 lbs. static cover load

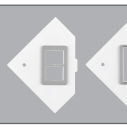
Round covers are suitable for use with all floor types

Plate Style	Catalog Number
Brushed Aluminum	**CFBS1R8CVRALU**
Black Powder Coat	**CFBS1R8CVRBLK**
Brass Plated	**CFBS1R8CVRBRS**
Antique Bronze Plated	**CFBS1R8CVRBRZ**
Gray Powder Coat	**CFBS1R8CVRGRY**
Satin Nickel Plated	**CFBS1R8CVRNKL**

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

RAFB4 Series – Plates

All RAFB4SP series plates are powder coat white

Plate Style	(1) Decorator	(1) Duplex	(1) Simplex Opening 1.40 in. Diameter	(1) Twist-Lock® Opening 1.60 in. Diameter	Blank
Cat. No.	**RAFB4SPDECO**	**RAFB4SPDUPLEX**	**RAFB4SPTL14**	**RAFB4SPTL16**	**RAFB4SPBLANK**
					
Plate Style	(1) Hubbell iStation Opening for 3 Units	(3) Extron® MAAP Modules	(2) Extron AAP Modules	Opening to Accept Bezels for Ortronics TracJack®	
Cat. No.	**RAFB4SP3UIS**	**RAFB4SP3MAAP**	**RAFB4SP2AAP**	**RAFB4SPORT**	
					

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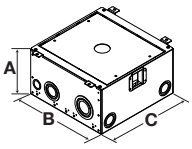
Dimensions in Inches (mm)

SystemOne Recessed 8*/10-Gang Rectangular Floor Boxes, Covers and Plates For Use In Raised Access or Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

ScrubShield® Complies with UL514A

Style / Box Type		
Standard Chicago (No Knockouts)		**AFB10G55 AFB10G55CHI**
Min. Depth from Top of Floor Tile		5.95" (151.1)
Cubic Inch (cm^3) Capacity per Gang		(2) 25 cu. in. (407.9 cm^3), (2) 50 cu. in. (819.4 cm^3), (2) 71 cu. in. (1163.5 cm^3)
Dimensions – A		5.74" (145.9)
Dimensions – B		11.11" (282.2)
Dimensions – C		10.66" (270.7)
KO Trade Size: Ends Sides Bottom		(2) 1/2", 3/4", (2) 3/4", 1", 1-1/4", 1-1/2", (2) 1", 1-1/4", 1-1/2", 2" (4) 3/4", 1", 1-1/4", 1-1/2" (2) 1/2", 3/4", (4) 1/2", 3/4", 1", 1-1/4"
Floor Thickness		.56" (1.2) - 2.12" (53.8)
Cover Family		Rectangular
Temporary Cover Included		✓

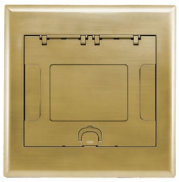
Note: UL File Number E31999.



Cover with Black Powder Coat



Satin Nickel Powder Coat



Brass Powder Coat

Rectangular Covers
(for use with raised access tiles and wood floors)

- Die cast construction available in five finishes
- UL 514A listed
- Maximum static load of 1500 lbs with 2x safety factor**

Finish	Surface Style Covers	
	Without Insert	With Insert
Aluminum Powder Coat	**10GAFBCVRALU**	**10GAFBCVRALUC**
Black Powder Coat	**10GAFBCVRBK**	**10GAFBCVRBKC**
Brass Powder Coat	**10GAFBCVRBRS**	**10GAFBCVRBRSC**
Bronze Powder Coat	**10GAFBCVRBRZ**	**10GAFBCVRBRZC**
Satin Nickel Powder Coat	**10GAFBCVRNK**	**10GAFBCVRNKC**

*Note: **Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Plates for Use in SystemOne 8*/10-Gang Floor Boxes

Plate Style	(1) Decorator Opening	(1) Duplex Opening	Blank	Decorator Opening Plate Including Hubbell ISF6GY	(2) Openings to Accommodate (6) Ortronics TracJack®
Cat. No.	**FB10MPREC**	**FB10MPDUP**	**FB10MPBNK**	**FB10MPKEY**	**FB10MPTRAC**
					

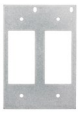
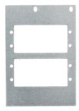
Plate Style	(2) Decorator	(2) Duplex Openings	(4) Extron® MAAP Modules	(4) Extron AAP Modules	For (6) 1U Hubbell iStation Modules	Cable Feed Through with Bushing
Cat. No.	**FB10MP2A**	**FB10MP2E**	**FB10MPMAAP**	**FB10MPAAP**	**FB10MP2B**	**FB10MPFT**
						

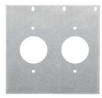
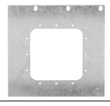
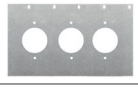
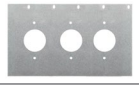
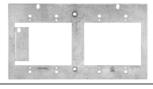
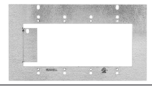
Plate Style	(1) Twist-Lock® Opening 1.60 in. Dia. (Uses 2-Gangs)	(1) Simplex Opening 1.40 in. Dia. (Uses 2-Gangs)	(2) Twist-Lock Opening 1.60 in. Dia. (Uses 3-Gangs)	(2) Simplex Opening 1.40 in. Dia. (Uses 3-Gangs)	(1) Opening for Appliance Receptacle (Uses 3-Gangs)
Cat. No.	**FB10TLA**	**FB10TLX**	**FB10TLB**	**FB10TLY**	**FB10MP3GAPP**
					

Plate Style	(3) Twist-Lock Opening 1.60 in. Dia. (Uses 5-Gangs)	(3) Simplex Opening 1.40 in. Dia. (Uses 5-Gangs)	(2) 2-Gang. Meets NEMA Spacing. Ideal for Crestron® DM –TX Product and Power (Uses 5-Gangs)	(4) Single Service Openings Utilizing NEMA Wallplate (Uses 5-Gangs)
Cat. No.	**FB10TLC**	**FB10TLZ**	**FB10MPNEMA2XG***	**FB10MPNEMA4G***
				

*Note: *Use with FB10MPNEMA2XG and/or FB10MPNEMA4G for 8-gang configuration.*

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Dimensions in Inches (mm)

4 inch Round Floor Boxes, Covers, and Plates

Features and Benefits

ScrubShield® c UL us
Complies with UL514A

SystemOne 4 inch Recessed Floor Box, for Raised Access and Wood Floors

The AFBS1R4 floor box was designed for use in raised access or wood floors. It installs easily into a 4 inch diameter hole and is retained by two sets of retaining barbs on the side. Electrical connections are made below the walking surface to protect the electrical devices and increase safety by reducing tripping hazards. Intended for areas that require basic power requirements - one duplex, a duplex with two data jacks or a quadplex – the unobtrusive design will blend into any setting. Available in six architectural finishes and utilizing a flange that is ADA compliant at 1/8 inch thick, Hubbell SystemOne Floor Boxes harmonize aesthetics with function and safety.

- UL Listed, scrubwater compliant
- Plenum rated box assembly
- Factory configurable with CONNEXION modular plug-n-play system





Box Design

- Durable die-cast aluminum box construction
- Flexible single or dual service
- Easily installs in 4 inch diameter hole, 5-5/8 inch device depth
- Four 1/2 inch side knockouts
- One 1, 3/4 and 1/2 inch concentric bottom knockout



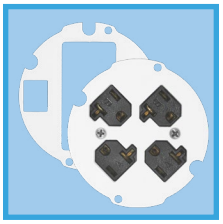
Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



Safety

- Increased safety with recessed connections
- Low profile flanges meet ADA requirements
- Hide-away egress door fold under cover while in use
- 180° opening of main doors



Easy Mount Device Plates

- All S1R4SP series plates are powder coat white



Applications

- Raised access and wood floor applications in commercial and residential buildings



Pre-Wired Assemblies

- AFBS1R4 series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system
- Contact Hubbell Sales Representative for details

SystemOne 4 inch Recessed Floor Box, for Raised Access and Wood Floors

AFB series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system

ScrubShield® Complies with UL514A

Description	Catalog Number
Floor Box with temporary installation Cover.	AFBS1R4BASE
Floor Box (AFBS1R4BASE) with Brushed Aluminum Finish Cover (AFBS1R4CVRALU).	AFBS1R4ALU
Floor Box (AFBS1R4BASE) with Black Powder Coat Finish Cover (AFBS1R4CVRBLK).	AFBS1R4BLK
Floor Box (AFBS1R4BASE) with Plated Brushed Brass Finish Cover (AFBS1R4CVRBRS).	AFBS1R4BRS
Floor Box (AFBS1R4BASE) with Plated Antique Bronze Finish Cover (AFBS1R4CVRBRZ).	AFBS1R4BRZ
Floor Box (AFBS1R4BASE) with Gray Powder Coat Finish Cover (AFBS1R4CVRGRY).	AFBS1R4GRY
Floor Box (AFBS1R4BASE) with Plated Satin Nickel Finish Cover (AFBS1R4CVRNKL).	AFBS1R4NKL

Note: UL File Number E31999.

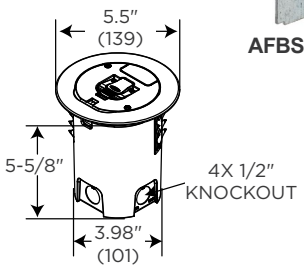


Replacement Parts

Description	Catalog Number
Low Voltage Divider, contains (2).	AFBS1R4DIV
Replacement Bottom Knockouts.	AFBS1R4BOTTOM

Installation

Hole Diameter	4 inch
Bottom Knock out	1 inch, 3/4 inch, 1/2 inch concentric
Side knock out	(4) 1/2 inch



Covers

- Flange diameter is 5.5 inches
- Flange thickness is 1/8 inch thick and complies with ADA requirements
- Cover load rating is 1,000 lbs, for a static load applied through a 3 inch dia. mandrel with 2x safety factor*

Architectural Covers

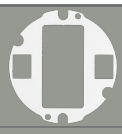
Description / Catalog Number	Cover	Description / Catalog Number	Cover
Brushed Aluminum Finish, Single fold under cable egress door. **AFBS1R4CVRALU**		Plated Antique Bronze Finish, Single fold under cable egress door. **AFBS1R4CVRBRZ**	
Plated Brushed Brass Finish, Single fold under cable egress door. **AFBS1R4CVRBRS**		Plated Satin Nickel Finish, Single fold under cable egress door. **AFBS1R4CVRNKL**	

Powder Coat Covers

Description / Catalog Number	Cover
Black Powder Coat Finish, Single fold under cable egress door. **AFBS1R4CVRBLK**	
Gray Powder Coat Finish, Single fold under cable egress door. **AFBS1R4CVRGRY**	

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Device Mounting Plates

Description / Catalog Number	Sub-Plate	Description / Catalog Number	Sub-Plate	Description / Catalog Number	Sub-Plate
2X2 Sub-plate with (1) Style Line® decorator device opening and (2) keystone jack openings. **S1R4SP2X2STYLE**		(1) Style Line® decorator device opening for power or datacom applications. **S1R4SPSTYLE**		22X2 Sub-plate with (1) decorator device opening and (2) Ortronics® TracJack® openings. **S1R4SP2X2STYLETJ**	
2X2 Sub-plate with (1) duplex device opening and (2) keystone jack openings. **S1R4SP2X2DUPLEX**		(1) Duplex device opening for power or datacom applications. **S1R4SPDUPLEX**		2X2 Sub-plate with (1) duplex device opening and (2) Ortronics® TracJack® openings. **S1R4SP2X2DUPLEXTJ**	
(4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12" wire leads Includes ⏻ stickers. **S1R4SPQUAD**		(1) 1.60" opening for 20A or 30A Twist-Lock® receptacle. **S1R4SPTWIST**		(1) 1.40 inch opening for simplex receptacle. **S1R4SPSIMPLEX**	

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Dimensions in Inches (mm)

6 inch Furniture Feed Floor Boxes and Covers

Features and Benefits

ScrubShield® Complies with UL514A

SystemOne 6 inch Furniture Feed Floor Box, for Raised Access and Wood Floors

The AFBS1R6FF floor box is designed for use in raised access or wood floors. It installs easily into a 6 inch diameter hole and is retained by two pawl arms which swing outwards when tightened by a screw driver. Providing the lowest profile in the industry, the 1/8 inch flange thickness is ADA complaint. The box can also serve as a wiring chamber for power if needed.

Available in six architectural finishes, Hubbell SystemOne Floor Boxes harmonize aesthetics with function and safety.

- UL Listed, scrubwater compliant
- Plenum rated box assembly
- Factory configurable with CONNEXION modular plug-n-play system





Pre-Wired Assemblies

- AFBS1R6 series boxes are available from our factory as pre-wired assemblies with CONNEXION modular plug-n-play system
- Contact Hubbell Sales Representative for details

6 Inch Round Covers

- Flange Diameter 7.5 inches
- Flange thickness is 1/8 inches thick and complies with ADA requirements
- Cover load rating is 1,000 lbs, for a static load applied through a 3 inch dia. mandrel with 2x safety factor*

Finish	Catalog Number
Brushed Aluminum	AFBS1R6FFCVRALU
Black Powder Coat	AFBS1R6FFCVRBLK
Brass Plated	AFBS1R6FFCVRBRS
Antique Bronze Plated	AFBS1R6FFCVRBRZ
Gray Powder Coat	AFBS1R6FFCVRGRY
Satin Nickel Plated	AFBS1R6FFCVRNKL

*Note: *Load applied through a 3 in. (76mm) mandrel in center of the cover.*

Replacement Parts

Description	Catalog Number
Low Voltage Divider.	AFBS1R6DIV
Low Voltage Grommet.	AFBS1R6GROM
Low Voltage Gate.	AFBS1R6GATE

Installation

Hole Diameter.	6 inch
Bottom low Voltage Knock out.	2 inch
Side low voltage entry.	Removable gate, area equal to 2 inch conduit
Bottom Power Knock out.	3/4" 1/2" concentric
Side Power knock out.	3/4" 1/2" concentric
Fastening.	2 pawl arms

Dimensions in Inches (mm)

6 inch Recessed Floor Boxes

Description	Catalog Number
Floor Box with Temporary Installation Cover.	AFBS1R6BASE
Floor Box (AFBS1R6BASE) with Brushed Aluminum Finish Cover (AFBS1R6FFCVRALU).	AFBS1R6FFALU
Floor Box (AFBS1R6BASE) with Black Powder Coat Finish (AFBS1R6FFCVRBLK).	AFBS1R6FFBLK
Floor Box (AFBS1R6BASE) with Brushed Brass Plated Finish Cover (AFBS1R6FFCVRBRS).	AFBS1R6FFBRS
Floor Box (AFBS1R6BASE) with Antique Bronze Plated Finish Cover (AFBS1R6FFCVRBRZ).	AFBS1R6FFBRZ
Floor Box (AFBS1R6BASE) with Gray Powder Coat Finish Cover (AFBS1R6FFCVRGRY).	AFBS1R6FFGRY

Note: UL File Number E31999.



AFBS1R6BASE



AFBS1R6FFBLK



AFBS1R6FFCVRBRS



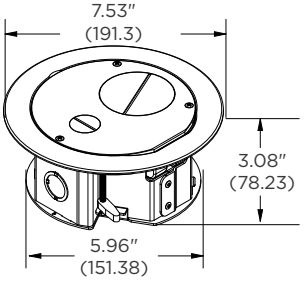
AFBS1R6DIV



AFBS1R6GROM



AFBS1R6GATE



SystemOne Fire-Rated Poke-Through and Floor Box Recessed Covers



Two Concrete Floor Applications

Fire-Rated Poke-Throughs are used when the conduits can't be installed in the concrete floor and for tenant improvements.



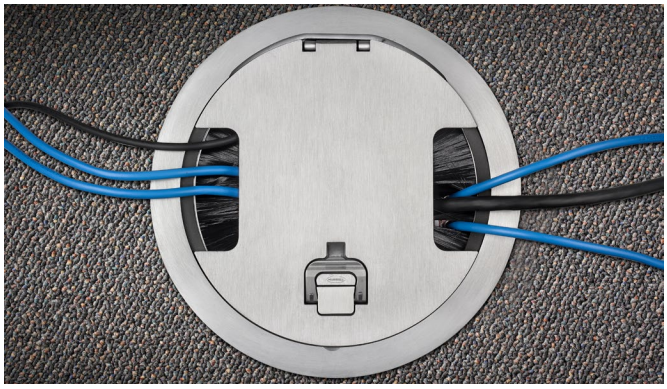
Floor boxes in concrete applications are used when the connecting conduits can be installed into the concrete floor.



Same Results!

Dynamic Round low profile durable covers.

Recessed Cover Activation



or Furniture Feed Cover Activation



Notes





Hubbell SystemOne Recessed Systems 10, 8, 6 & 4 Inch



Hubbell SystemOne Multi-Service Applications



Hubbell Pedestal Multi-Service Applications

Hubbell SystemOne Recessed Systems R-2
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- 10 Inch FRPT, Kits and Covers R-7
- 10 Inch Sub-Plates and Bottom Feed Plates R-8
- 10 Inch Accessories and Replacement Parts R-10
- 8 Inch Kits R-13
- 8 Inch FRPT, Covers and Accessories R-14
- 8 Inch Sub-Plates R-15
- 6 Inch Kits R-17
- 6 Inch FRPT, Covers and Accessories R-18
- 6 Inch Sub-Plates R-19
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Hubbell SystemOne Flush Systems R-25
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2X2 Flush FRPT 3 Inch Core Hole Units
- One and Two-Piece Units R-31
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Flush Duplex FRPT 3 Inch Core Hole Units
- One and Two-Piece Units R-32
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Flush Furniture Feed FRPT 3 Inch Core Hole Units
- Large Capacity, One and Two-Piece Units R-33
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Painted Pedestal FRPT 2 and 3 Inch Core Hole Units
- Large Capacity, Two-Piece Units R-34
- Pedestal Service Fittings and Face Plates R-34

Brushed Aluminum Pedestal FRPT
- 3 Inch Core Hole Two-Piece Units R-35
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Technical Information R-36

Hubbell SystemOne Recessed FRPTs

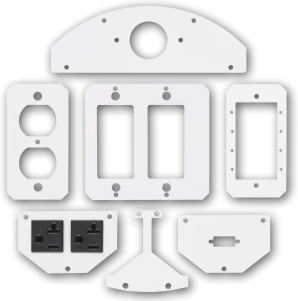
Hubbell's SystemOne Recessed Fire-Rated Poke-Throughs (FRPT) enhance functionality providing increased power, data and AV capacity. Safety is improved with recessed connectivity, a low profile flange, and egress doors that hinge inwards. Building value is enhanced with plated finishes to match and blend with modern building décor.

10 Inch Concrete Core Hole Applications...





10 Inch Recessed Access



Center Sub-Plates
with Perimeter Sub-Plates

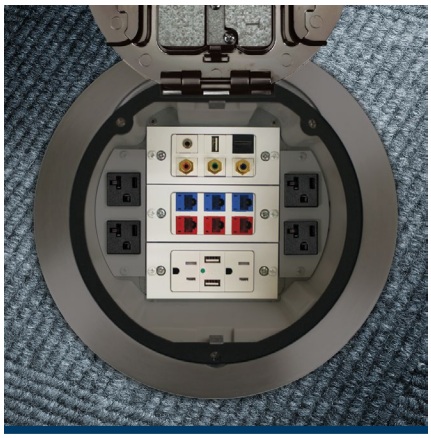
High Capacity Multimedia Applications

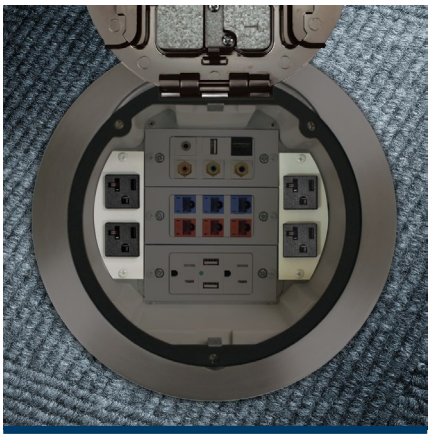
Sub-Plate layout for the center four gangs of the ten inch FRPT allows for maximum AV capacity. The NEMA spacing plate allows the product flexibility to easily accept 3rd party products.

Sub-Plates Offer Application Flexibility

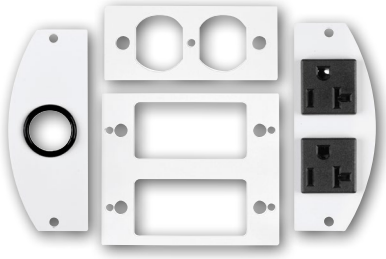
Perimeter Sub-Plates for the ten inch FRPT help compliment the AV or data in the center four gangs. Additionally these plates can be exchanged for other low voltage compatible plates.

8 Inch Concrete Core Hole Applications...





8 Inch Recessed Access



Center Sub-Plates
with Perimeter Sub-Plates

High Capacity Multimedia Applications

Sub-plate layout for the center three gangs of the eight inch FRPT allows for maximum AV capacity. The NEMA spacing allows the product flexibility to easily accept 3rd party products.

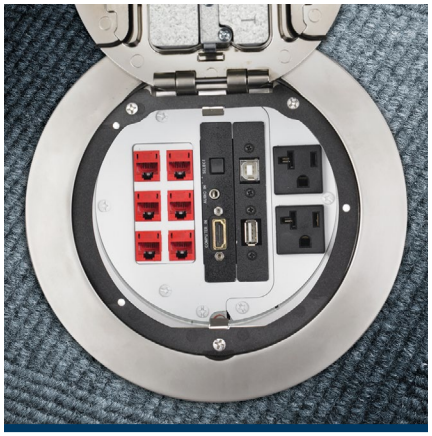
Sub-Plates Offer Application Flexibility

Perimeter Sub-Plates for the eight inch FRPT help compliment the AV or data in the center three gangs. Additionally these plates can be exchange for other low voltage compatible plates.

Dimensions in Inches (mm)

Hubbell's SystemOne Recessed Fire-Rated Poke-Throughs (FRPT) enhance functionality by providing increased power, data and AV capacity. Safety is improved with recessed connectivity, a low profile flange, and egress doors that hinge inwards. Building value is enhanced with plated finishes to match and blend with modern building décor.

6 Inch Concrete Core Hole Applications...



60/40 6 Inch Sub-Plate Split

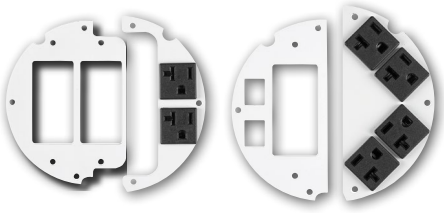
An industry first, the 60/40 sub-plate layout allows for unmatched capacity with up to 12 keystone jacks and one 20A duplex.



50/50 6 Inch Sub-Plate Split

Two duplexes with ample AV and data are achieved by using the 50/50 sub-plate layout. Additionally this layout will accommodate two Style Line® devices for GFCI, surge, etc. applications.

6 Inch Recessed Access



60/40 split Sub-Plates

50/50 split Sub-Plates

4 Inch Concrete Core Hole Applications...



4 Inch Quad Sub-Plate

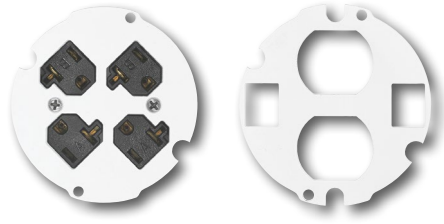
The pre-wired quad sub-plate can be wired as one circuit or two and includes 12 inch of stranded wire.



4 Inch 2X2 Sub-Plate

The 2x2 sub-plates are available with Style Line or traditional duplex openings and can accommodate up to two keystone jacks.

4 Inch Recessed Access



Quad Sub-Plate

Multi & Single Service Sub-Plates

Dimensions in Inches (mm)

How to Order

10, 8, 6 and 4 Inch SystemOne Products

ScrubShield® Complies with UL514A

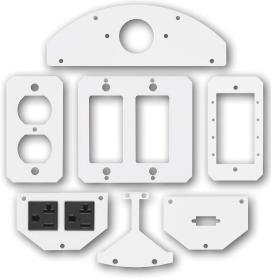
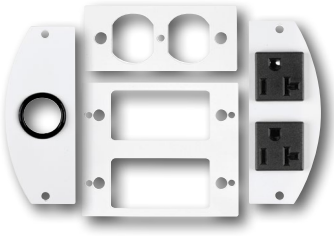
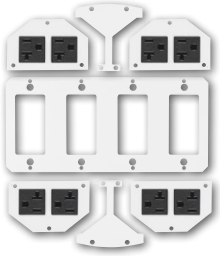
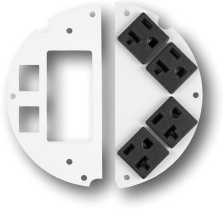
Step 1 : Select Recessed Access Poke-Through

10 Inch	8 Inch	6 Inch	4 Inch
			

Or Select Furniture Feed Poke-Through

10 Inch	8 Inch	6 Inch	4 Inch
			

STEP 2: Select Recessed Access Sub-Plate

10 Inch	8 Inch	6 Inch	4 Inch
			
Center Sub-Plates with Perimeter Sub-Plates	Center Sub-Plates with Perimeter Sub-Plates	60/40 Split Sub-Plates	Quad Sub-Plates
			
Open Data/AV Center Sub-Plate with Perimeter Power Sub-Plates	3-Gang Data/AV Center Extension with Perimeter Power Sub-Plates	50/50 Split Sub-Plates	2X2 Sub-Plates

Dimensions in Inches (mm)

Note: Furniture feed version does not require sub-plates.

10, 8, 6 and 4 Inch SystemOne Products

ScrubShield® Complies with UL514A

Step 3 : Select Recessed Cover (Aluminum cover shown, see below for all available finishes)

10 Inch | 8 Inch | 6 Inch | 4 Inch



Note: Tamper-Resistant 10 inch covers are also available.

Or Select Furniture Feed Cover (Aluminum cover shown, see below for all available finishes)

10 Inch | 8 Inch | 6 Inch | 4 Inch



Available Cover Finishes

Brushed Aluminum | Brushed Brass Plated | Antique Bronze Plated | Black Powder Coat | Gray Powder Coat | Satin Nickel Plated



Recommended Fire-Rated Poke-Through Size Chart

To avoid over or under utilizing the capacity of the fire-rated poke-through, first determine how many gangs of power, data and AV are required for the application. The matrix below will guide you to the correct poke-through size.

		Recommended Fire-Rated Poke-Through Size					
Power Gangs	5	8″	10″	10″	10″		
	4	8″	8″	10″	10″	10″	
	3	6″	8″	8″	10″	10″	10″
	2	6″	6″	8″	8″	10″	10″
	1	4″	6″	6″	8″	8″	10″
	0	—	4″	6″	8″	8″	8″
		0	1	2	3	4	5
		Data and AV Gangs					

Exceeds capacity of Hubbell recessed poke-throughs

Example: 2-gangs of power, 1-gang of AV and 1-gang of data is required. Find the intersection for 2 power gangs with 2 data/AV gangs. The highlighted intersection defines the recommended FRPT.

Dimensions in Inches (mm)

SystemOne Recessed 10 Inch FRPT Fittings

Features and Benefits

- The most dynamic FRPT system with the largest capacity available to meet all multimedia applications where power and voice/data are required
- Maintains concrete floor fire rating up to two hours
- Tamper-resistant recessed covers available
- Furniture feed cover available with (2) generous 2 inch NPS low voltage hubs and (2) 1 inch NPS power hubs
- Features ScrubShield technology that exceeds UL514A scrubwater compliance requirements
- Works with time and labor saving 10" concrete pre-pour tube

ScrubShield®
Complies with UL514A



10 Inch FRPT with Accessories



FRPT Design

- Step down installation
- Flexible single or multi-service
- Recessed connections



Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available as recessed or furniture feed
- Tamper-resistant recessed covers available
- Available in six architectural finishes



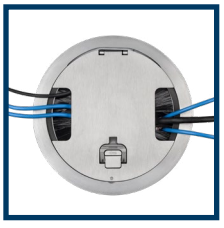
FRPT Chambers

- 4 inch deep access chamber
- 4.43 inch deep center device chamber
- Dividers to make up to 8 individual services
- Perimeter to perimeter wiring tunnel



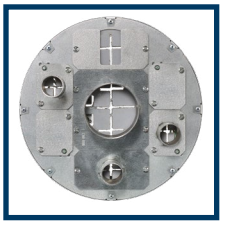
Easy Mount Device Plates

- Multiple, open architecture mounting plates for power, data and AV
- 4 center gangs
- 2 full or 4 half independent perimeter gangs



Safety

- Low profile flange, 0.16 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door



Bottom Feed Plates

- 9 center chamber and 6 perimeter adaptable feed plates
- Center chamber ranges from 1/2" to 2-1/2"
- Perimeter ranges from 1/2" to 1 - 1-1/4"

Dimensions in Inches (mm)

10 Inch Core Hole Kits, for Use In Concrete Floor

ScrubShield® Complies with UL514A

10 Inch Fire-Rated Poke-Through		Catalog Number
Hubbell SystemOne 10 Inch Recessed Floor Fitting with Installation Cover Approved for use in the City of Chicago with EMT and full blank bottom feed plates. *Note: See page R-36 for technical information.*		S1R10PTFIT
10 Inch Fire-Rated Poke-Through Kits	**Cover Finish**	**Catalog Number**
Kits include: • (1) Hubbell SystemOne 10 inch recessed floor fitting (S1R10PTFIT) • (2) Hubbell SystemOne 10 inch perimeter device mounting brackets (S1R10PSPREPBRKT) • (4) Hubbell SystemOne 10 inch bottom center pass through plate (S1R10CBFPT) • (3) Hubbell SystemOne 10 inch bottom perimeter blank plate (S1R10PBFBLANK) • (1) Hubbell SystemOne 10 inch bottom perimeter 3/4 inch plate (S1R10PBF075) • (1) Hubbell SystemOne 10 inch perimeter divider (S1R10PERIMDIV) • (1) Hubbell SystemOne 10 inch center divider (S1R10CENTERDIV) • (1) Hubbell SystemOne 10 inch flange and universal cover assembly (S1R10CVRxx)	Brushed Aluminum	S1R10PTALU
	Black Powder Coat	S1R10PTBLK
	Brushed Brass Plated	S1R10PTBRS
	Antique Bronze Plated	S1R10PTBRZ
	Gray Powder Coat	S1R10PTGRY
	Satin Nickel Plated	S1R10PTNKL
Pre-Wired 10 Inch Fire-Rated Poke-Through Kits	**Cover Finish**	**Catalog Number**
Kits include: • (1) Hubbell SystemOne 10 inch recessed floor fitting (S1R10PTFIT) • (2) 20A pre-wired receptacle Sub-Plates with 24 inch wire leads (S1R10PSPZ) • (2) Hubbell SystemOne 10 inch perimeter device mounting brackets (S1R10PSPREPBRKT) • (4) Hubbell SystemOne 10 inch bottom center pass through plate (S1R10CBFPT) • (3) Hubbell SystemOne 10 inch bottom perimeter blank plate (S1R10PBFBLANK) • (1) Hubbell SystemOne 10 inch bottom perimeter 3/4 inch plate (S1R10PBF075) • (1) Hubbell SystemOne 10 inch perimeter divider (S1R10PERIMDIV) • (1) Hubbell SystemOne 10 inch center divider (S1R10CENTERDIV) • (1) Hubbell SystemOne 10 inch flange and universal cover assembly (S1R10CVRxx) • Receptacles feature single circuit wiring	Brushed Aluminum	S1R10PTZALU
	Black Powder Coat	S1R10PTZBLK
	Brushed Brass Plated	S1R10PTZBRS
	Antique Bronze Plated	S1R10PTZBRZ
	Gray Powder Coat	S1R10PTZGRY
	Satin Nickel Plated	S1R10PTZNKL

Note: xx indicates finish options.


S1R10PTFIT


S1R10PTBRS


S1R10PTZBLK

Recessed 10 Inch Covers

The 10 inch FRPT cover assembly unit includes solid cast aluminum construction and mounting hardware. Covers are recessed and available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.16 inch exceeds ADA requirement and suitable for use on any floor finish. All covers are UL514A, scrubwater compliant. Furniture Feed covers includes (2) 2" Threaded Hubs & (2) 1" Threaded Hubs with 3/4" Reducers.



10 Inch Fire-Rated Poke-Through Covers

Finish	Recessed Cover Catalog Number	TR Recessed Cover* Catalog Number	Furniture Feed Cover** Catalog Number
Brushed Aluminum	S1R10CVRALU	S1R10CVRTRALU	S1R10FFCVRALU
Black Powder Coat	S1R10CVRBLK	S1R10CVRTRBLK	S1R10FFCVRBLK
Brushed Brass Plated	S1R10CVRBRS	S1R10CVRTRBRS	S1R10FFCVRBRS
Antique Bronze Plated	S1R10CVRBRZ	S1R10CVRTRBRZ	S1R10FFCVRBRZ
Gray Powder Coat	S1R10CVRGRY	S1R10CVRTRGRY	S1R10FFCVRGRY
Satin Nickel Plated	S1R10CVRNKL	S1R10CVRTRNKL	S1R10FFCVRNKL

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.
**Tamper-resistant covers ship with (1) S1RTR10BIT Torx-T10 bit.*
***(2) 1" NPT plugs for power with (2) 1" to 3/4" reducers and (2) 2" NPT plugs for Low Voltage.*

Dimensions in Inches (mm)

SystemOne 10 Inch Sub-Plates and Bottom Feed Plates

Perimeter Plate Configurations

- Available in pre-wired duplexes or openings to accommodate third party AV devices
- Available in full or half gang plates

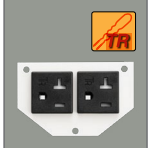
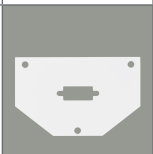
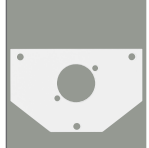
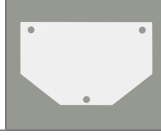
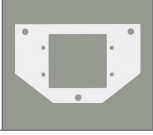


ScrubShield® Complies with UL514A

Perimeter Sub-Plates - Full Gang

Description/ Cat. No.	Sub-Plate	Description/ Cat. No.	Sub-Plate	Description/ Cat. No.	Sub-Plate
(1) Style Line® decorator opening **S1R10PSPD**		(1) Duplex opening **S1R10PSPI**		(1) 1.40" opening for simplex or 15A Twist-Lock® **S1R10PSPJ**	
(4) Extron® MAAP openings **S1R10PSPC**		(2) Extron AAP openings **S1R10PSPA**		(1) 1.60" opening for 20A & 30A Twist-Lock **S1R10PSPG**	

Perimeter Sub-Plates - Half Gang*

Description/ Cat. No.	Sub-Plate	Description/ Cat. No.	Sub-Plate	Description/ Cat. No.	Sub-Plate	Description/ Cat. No.	Sub-Plate
(2) 20A pre-wired receptacles; 24" lead; one circuit (supplied with isolated ground sticker) **S1R10PSPZ**		(2) 20A pre-wired receptacles; 25 foot lead; one circuit (supplied with isolated ground sticker) **S1R10PSPZ25**		(2) 20A pre-wired receptacles; 24" lead; one circuit (supplied with isolated ground sticker); marked with "⏻ Controlled" **S1R10PSPZC**		(2) 20A pre-wired receptacles; 25 foot lead; one circuit (supplied with isolated ground sticker); marked with "⏻ Controlled" **S1R10PSPZ25C**	
(2) 20A pre-wired tamper resistant receptacles; 24 Inch lead; one circuit (supplied with controlled and isolated ground stickers) **S1R10PSPZTR**		(1) Unit Hubbell iSTATION opening **S1R10PSPF**		(1) VGA/HDMI/DP opening **S1R10PSPH**		(1) XLR opening **S1R10PSPO**	
Perimeter device bracket **S1R10PSPREPBRKT**		Blank cover plate **S1R10PSPB**		(2) Extron MAPP openings **S1R10PSPV**			

*Note: *Requires S1R10PSPREPBRKT. See page R-7 for covers and R-10 for accessories.*
Extron® is a registered trademark of Extron Electronics.

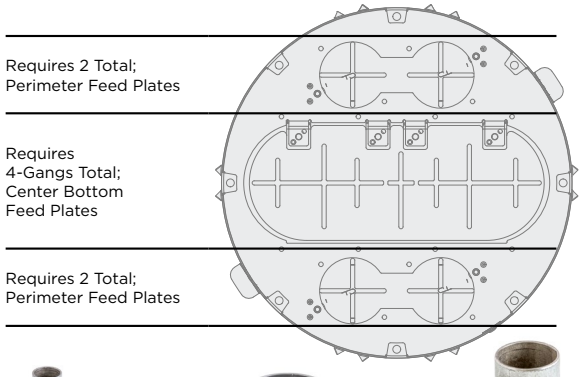
10 Inch Bottom Feed Plates

		Catalog Number
1-Gang Center Bottom Feed Plates.	1/2 inch EMT Feed	**S1R10CBF050**
	3/4 inch EMT Feed	**S1R10CBF075**
	1 inch EMT Feed	**S1R10CBF100**
	1-1/4 inch EMT Feed	**S1R10CBF125**
	Blank	**S1R10CBFBLANK**
	Pass through	**S1R10CBFPT****
2-Gang Center Bottom Feed Plates.	1-1/2 inch EMT Feed	**S1R10CBF150**
	2 inch EMT Feed	**S1R10CBF200**
	2-1/2 inch EMT Feed	**S1R10CBF250***
Perimeter Bottom Feed Plates.	1/2 inch EMT Feed	**S1R10PBF050**
	3/4 inch EMT Feed	**S1R10PBF075**
	1 inch EMT Feed	**S1R10PBF100**
	1-1/4 inch EMT Feed	**S1R10PBF125**
	Blank	**S1R10PBFBLANK**
	Pass through	**S1R10PBFPT****

*Note: *Data/AV wiring only. **Not approved for use in the City of Chicago. See page R-36 for technical information.*

Dimensions in Inches (mm)

10 Inch FRPT Bottom View




1-Gang Center Bottom Feed Plate


2-Gang Center Bottom Feed Plate


Perimeter Bottom Feed Plate

Center Plate Configurations

- 1, 2, 3 and 4 Gang Device Plates
- Accept third party AV devices (i.e. Extron®, Crestron®, FSR®)
- Multi-gang NEMA spaced plates available



ScrubShield®
Complies with UL514A

Center Sub-Plates - Single Gang

Description/ Cat. No.	Sub-Plate	Description/ Cat. No.	Sub-Plate	Description/ Cat. No.	Sub-Plate	Description/ Cat. No.	Sub-Plate
(1) Style Line® decorator opening **S1R10CSPD**		3 Unit Hubbell iSTATION opening **S1R10CSPL**		(1) Duplex opening **S1R10CSPI**		Blank cover plate **S1R10CSPB**	
(1) XLR opening **S1R10CSPX**		(2) XLR openings **S1R10CSP2X**		(1) 1.40" opening for simplex or 15A Twist-Lock® **S1R10CSPJ**		(1) 1.60" opening for 20A & 30A Twist-Lock **S1R10CSPG**	
(1) VGA/HDMI/ DP opening **S1R10CSPH**		(2) VGA/HDMI/ DP openings **S1R10CSP2H**		(4) Extron MAAP openings **S1R10CSPC**		Ortronics® TracJack®/ Series II® opening **S1R10CSPK**	

Center Sub-Plates - Two Gang

Description/ Cat. No.	Sub-Plate	Description/ Cat. No.	Sub-Plate	Description/ Cat. No.	Sub-Plate	Description/ Cat. No.	Sub-Plate
(2) Style Line decorator openings NEMA spacing **S1R10CSPM**		Blank cover plate **S1R10CSP2B**		(1) 2.16" opening for 30A & 50A, 3-wire, straight blade receptacle **S1R10CSPE**		(4) Extron AAP openings **S1R10CSPU**	

Center Sub-Plates - Three and Four Gang

Description/ Cat. No.	Sub-Plate	Description/ Cat. No.	Sub-Plate
(3) Style Line decorator openings NEMA spacing **S1R10CSPT**		(4) Style Line decorator openings **S1R10CSPP**	
(4) Blank cover plate **S1R10CSPQ**		(4) Duplex openings **S1R10CSPR**	

Note: Rectangular Sub-Plates are for center compartments, crescent Sub-Plates are for perimeter compartments and are not inter-changeable.
See page R-7 for covers, R-8 for bottom feed plates and R-10 for accessories.

Extron® is a registered trademark of Extron Electronics.

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics / Legrand.

Crestron® is a registered trademark of Crestron Electronics, Inc.

FSR® is a registered trademark of FSR Inc.

Dimensions in Inches (mm)

10 Inch Accessories and Replacement Parts

ScrubShield® Complies with UL514A

10 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	S1R10PPT*
Abandonment plate, black finish.	S1R10ADMTBK
Center divider.	S1R10CENTERDIV
Perimeter divider.	S1R10PERIMDIV
Egress door brushes (1 Pair).	S1R10CVRBRUSH
Perimeter to perimeter wiring tunnel.	S1R10TUNNEL
Power junction box, 27.0 cubic inches; (1) 3/4 inch and (1) 1 inch EMT connector.	S1FRPTJB
Perimeter device bracket.	S1R10PSPREPBRKT

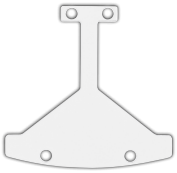
*Note: *Not UL Listed.*



S1R10CENTERDIV



S1R10FFDIV



S1R10PSPREPBRKT



S1FRPTJB



S1R10INTUMDIV



S1R10PPT



S1R10ADMTBK



S1R10CVRBRUSH



S1R10TUNNEL

10 Inch Replacement Parts

Description	Catalog Number
Intumescent replacement divider.	S1R10INTUMDIV
Replacement furniture feed cover dividers (1 pair).	S1R10FFDIV
Replacement tamper-resistant Torx-T10 bit.	S1RTR10BIT*

*Note: *Not UL Listed.*

Capacity, Capability and Versatility





Dimensions in Inches (mm)

Pre-Pour Tubes For Increased Installation Efficiency

Features and Benefits

- Hubbell SystemOne Pre-pour Tubes save installers time and money when it counts. Designed for second floor applications and above, pre-pour tubes are installed before the concrete slab is poured to provide correctly sized circular holes for Fire-Rated Poke-Through (FRPT) installation. Pre-pour tubes also ensure that the FRPT is placed exactly as specified on the print, while avoiding systems within the concrete floor's construction.
- Pre-pour tube installation is quicker and more cost effective as compared to the time-consuming process of concrete core drilling. Additional time and scheduling must be considered for core drilling, along with the possible safety hazards of drilling on job sites. Prior to drilling, professionals take the precaution to use x-ray or ground-penetrating radar (GPR) technology to ensure the core drill does not damage embedded conduits, rebar or tensioned cables. Cutting a tensioned cable can endanger the installer and compromise the structural integrity of the slab. If there is an obstacle, the core drill location must be adjusted, which may impact furniture and powered cubicle layouts.

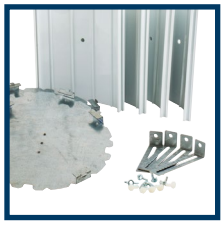


Pre-Pour Tubes



Pre-Pour Tube Design

- Creates a circular hole for Fire-Rated Poke-Through installation
- For use in poured concrete floors
- The pre-pour tubes can be use in corrugated steel decking or plywood forms



Hardware

- Includes adjustable mounting legs for easy leveling
- The mounting hardware provided allows for installation versatility
- The PVC walls are then easily removed with hand tools, leaving a clean circular hole for FRPT installation



Pre-Pour Tube Sizes

- Pre-pour tubes are available in 4-, 6-, 8- and 10-inch sizes
- Single use



Installation Design

- They consist of extruded PVC segmented dove-tailed walls which easily slide together and are locked with pre-galvanized steel disks to maintain the tube's circular shape under the stress of the concrete pour

Pre-Pour Tubes

Includes all hardware	
Diameter	**Catalog Number**
4 inches	**S1R4PPT**
6 inches	**S1R6PPT**
8 inches	**S1R8PPT**
10 inches	**S1R10PPT**

Note: Not UL Listed.



S1R4PPT S1R6PPT

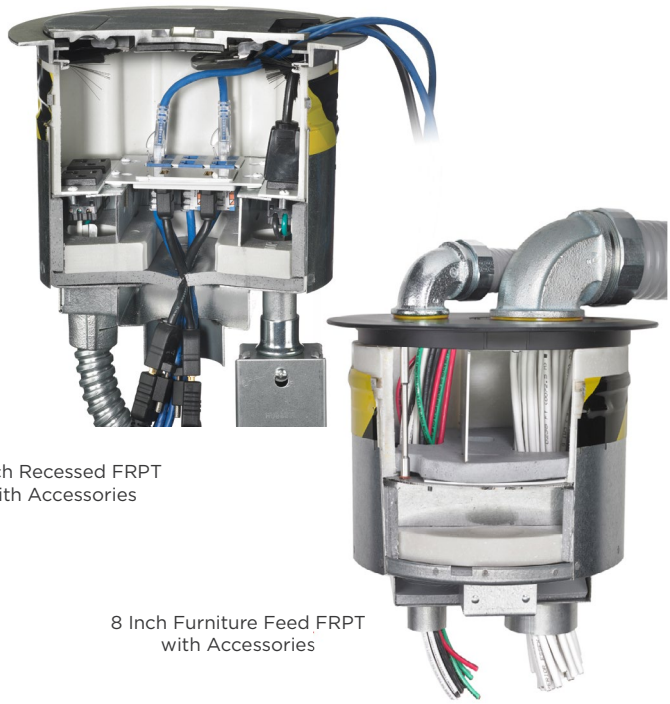
Dimensions in Inches (mm)

SystemOne Recessed 8 Inch FRPT Fittings

Features and Benefits

- Perfect for high capacity multimedia applications where power and low voltage are required
- Maintains concrete floor fire rating up to two hours
- Fitting box standard
- For use in the City of Chicago applications, fitting box is NOT included
- Furniture feed cover available with (1) generous 2 inch NPT low voltage hub and (1) 1 inch NPT power hub
- Features ScrubShield technology that exceeds UL514A scrubwater exclusion requirements
- Works with time and labor saving 8″ concrete pre-pour tube

ScrubShield®
Complies with UL514A



8 Inch Recessed FRPT with Accessories

8 Inch Furniture Feed FRPT with Accessories



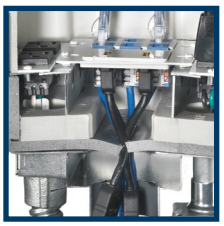
FRPT Design

- Step down installation
- Flexible single or dual service
- Recessed connections



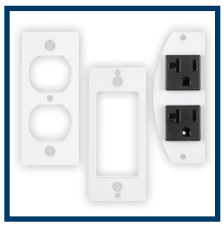
Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



Chamber

- Recessed 3.5 inch deep connectivity chamber
- Large wiring compartments
- Fixed wiring chambers
- On-site exchangeable center compartment fitting
- Standard 3/4-inch EMT



Easy Mount Device Plates

- Multiple, open architecture mounting plates for power, data and AV
- 3 center gangs
- 2 independent perimeter gangs



Safety

- Low profile flange, 0.15 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door



8 Inch Sub-Plate Features

- Center and perimeter plate configurations
- Available in pre-wired 20A duplex receptacles or data/AV plates
- Multiple 20A duplex receptacles can be wired to a common circuit or independently
- NEMA spacing between devices

Dimensions in Inches (mm)

8 Inch Core Hole Kits, for Use In Concrete Floors

ScrubShield® Complies with UL514A

Pre-Wired 8 Inch Fire-Rated Poke-Through Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT1) • (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ) • (1) Fitting connection box with 1 inch and 1-1/2 inch EMT stubs (S1R8JNC1) • (1) 8 inch flange and universal cover assembly (S1R8CVRxx) Receptacles feature single circuit wiring	Brushed Aluminum	S1R8PTZZ1ALU
	Black Powder Coat	S1R8PTZZ1BLK
	Brushed Brass Plated	S1R8PTZZ1BRS
	Antique Bronze Plated	S1R8PTZZ1BRZ
	Gray Powder Coat	S1R8PTZZ1GRY
	Satin Nickel Plated	S1R8PTZZ1NKL



S1R8PTZZ1NKL

8 Inch Fire-Rated Poke-Through Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT1) • (1) Fitting connection box with 1 inch and 1-1/2 inch EMT stubs (S1R8JNC1) • (1) 8 inch flange and universal cover assembly (S1R8CVRxx)	Brushed Aluminum	S1R8PT1ALU
	Black Powder Coat	S1R8PT1BLK
	Brushed Brass Plated	S1R8PT1BRS
	Antique Bronze Plated	S1R8PT1BRZ
	Gray Powder Coat	S1R8PT1GRY
	Satin Nickel Plated	S1R8PT1NKL

Pre-Wired 8 Inch Fire-Rated Poke-Through Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT2) • (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ) • (1) Fitting connection box with (2) 1 inch EMT stubs (S1R8JNC2) • (1) 8 inch flange and universal cover assembly (S1R8CVRxx) Receptacles feature single circuit wiring	Brushed Aluminum	S1R8PTZZ2ALU
	Black Powder Coat	S1R8PTZZ2BLK
	Brushed Brass Plated	S1R8PTZZ2BRS
	Antique Bronze Plated	S1R8PTZZ2BRZ
	Gray Powder Coat	S1R8PTZZ2GRY
	Satin Nickel Plated	S1R8PTZZ2NKL



S1R8PT2BLK

8 Inch Fire-Rated Poke-Through Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT2) • (1) Fitting connection box with (2) 1 inch EMT stubs (S1R8JNC2) • (1) 8 inch flange and universal cover assembly (S1R8CVRxx)	Brushed Aluminum	S1R8PT2ALU
	Black Powder Coat	S1R8PT2BLK
	Brushed Brass Plated	S1R8PT2BRS
	Antique Bronze Plated	S1R8PT2BRZ
	Gray Powder Coat	S1R8PT2GRY
	Satin Nickel Plated	S1R8PT2NKL

Pre-Wired 8 Inch Fire-Rated Poke-Through for Data AV Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT3) • (4) 20A, pre-wired receptacles, 18 inch wire lead, two pieces (S1R8PSPZ) • (1) Fitting connection box with one 2 inch EMT stubs (S1R8JNC3) • (1) 8 inch flange and universal cover assembly (S1R8CVRxx) Receptacles feature single circuit wiring	Brushed Aluminum	S1R8PTZZ3ALU
	Black Powder Coat	S1R8PTZZ3BLK
	Brushed Brass Plated	S1R8PTZZ3BRS
	Antique Bronze Plated	S1R8PTZZ3BRZ
	Gray Powder Coat	S1R8PTZZ3GRY
	Satin Nickel Plated	S1R8PTZZ3NKL



S1R8PTZZ3BRS

8 Inch Fire-Rated Poke-Through Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT3) • (1) Fitting connection box with (1) 2 inch EMT stubs (S1R8JNC3) • (1) 8 inch flange and universal cover assembly (S1R8CVRxx)	Brushed Aluminum	S1R8PT3ALU
	Black Powder Coat	S1R8PT3BLK
	Brushed Brass Plated	S1R8PT3BRS
	Antique Bronze Plated	S1R8PT3BRZ
	Gray Powder Coat	S1R8PT3GRY
	Satin Nickel Plated	S1R8PT3NKL

8 Inch Fire-Rated Poke-Through Furniture Feed Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 8 inch floor fitting (S1R8PTFIT13) • (1) Fitting connection box with 1 inch and 2 inch EMT stubs (S1R8JNC13) • Low voltage dividers, internal and external intumescent materials (S1R8PTFFCOMPKIT) • (1) 8 inch furniture feed cover assembly (S1R8FFCVRxx)	Brushed Aluminum	S1R8PTFFALU
	Black Powder Coat	S1R8PTFFBLK
	Brushed Brass Plated	S1R8PTFFBRS
	Antique Bronze Plated	S1R8PTFFBRZ
	Gray Powder Coat	S1R8PTFFGRY
	Satin Nickel Plated	S1R8PTFFNKL



S1R8PTFFBRZ

Note: xx indicates finish options.

Dimensions in Inches (mm)

8 Inch FRPT and Covers, for Use In Concrete Floors

ScrubShield® Complies with UL514A

8 Inch Fire-Rated Poke-Throughs

Description	Catalog Number
8 Inch Fire-Rated Poke-Through includes: (1) 3/4 inch power EMT plus (1) S1FRPTJB box and flexible metal conduit; S1R8JNCxx Series fitting box not included.	S1R8PTFIT
8 Inch Fire-Rated Poke-Through includes: (1) 3/4 inch power EMT plus (1) S1R8JNC1 with (1) 1 inch EMT and (1) 1-1/2 inch EMT. (1) S1FRPTJB box and flexible metal conduit.	S1R8PTFIT1
8 Inch Fire-Rated Poke-Through includes: (1) 3/4 inch power EMT plus (1) S1R8JNC2 with (2) 1 inch EMT (1) S1FRPTJB box and flexible metal conduit.	S1R8PTFIT2
8 Inch Fire-Rated Poke-Through includes: (1) 3/4 inch power EMT plus (1) S1R8JNC3 with (1) 2 inch EMT (1) S1FRPTJB box and flexible metal conduit.	S1R8PTFIT3
8 Inch Furniture Feed Fire-Rated Poke-Through includes: S1R8PTFFCOMPKIT (see below). S1FRPTJB box or flexible metal conduit not included; Approved for use in the City of Chicago.	S1R8PTFIT13
8 Inch Fire-Rated Poke-Through includes: (1) 3/4 inch power EMT plus (1) S1R8JNC1 with (1) 1 inch EMT and (1) 1-1/2 inch EMT; S1FRPTJB box or flexible metal conduit not included.	S1R8PTFIT1CHI
8 Inch Fire-Rated Poke-Through includes: (1) 3/4 inch power EMT plus (1) S1R8JNC2 with (2) 1 inch EMT; S1FRPTJB box or flexible metal conduit not included.	S1R8PTFIT2CHI
8 Inch Fire-Rated Poke-Through includes: (1) 3/4 inch power EMT plus (1) S1R8JNC3 with (1) 2 inch EMT. S1FRPTJB box or flexible metal conduit not included.	S1R8PTFIT3CHI

Note: See page R-37 for technical information.


S1R8PTFIT1


S1R8PTFIT13


S1R8PTFIT2CHI

Recessed 8 Inch Covers

8 Inch FRPT cover assembly unit includes solid cast aluminum construction, carpet gasket and mounting hardware. All covers are UL514A, scrubwater compliant. Furniture Feed covers include (1) 2" Threaded Hub & (1) 1" Threaded Hub with 3/4" Reducer.



Finish	Catalog Number	Furniture Feed Option
Brushed Aluminum	S1R8CVRALU	S1R8FFCVRALU
Black Powder Coat	S1R8CVRBLK	S1R8FFCVRBLK
Brushed Brass Plated	S1R8CVRBRS	S1R8FFCVRBRS
Antique Bronze Plated	S1R8CVRBRZ	S1R8FFCVRBRZ
Gray Powder Coat	S1R8CVRGRY	S1R8FFCVRGRY
Satin Nickel Plated	S1R8CVRNKL	S1R8FFCVRNKL

Note: COVER LOAD RATING: 1,000 lbs with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.


S1R8JNC1


S1R8JNC3

Fitting Boxes

Description	Catalog Number	Description	Catalog Number
(1) 1-1/2 inch & (1) 1 inch EMT.	S1R8JNC1	(1) 3/4 inch & (1) 1-1/4 inch EMT.	S1R8JNC8
(2) 1 inch EMTs.	S1R8JNC2	(1) 3/4 inch & (2) 1-1/4 inch EMTs.	S1R8JNC9
(1) 2 inch EMT.	S1R8JNC3	(1) 1-1/4 inch & (1) 2 inch EMT.	S1R8JNC10
(3) 1 inch EMTs.	S1R8JNC4	(1) 1-1/2 inch & (1) 2 inch EMT.	S1R8JNC11
(1) 1-1/2 inch & (1) 1-1/4 inch EMT.	S1R8JNC5	(3) 1-1/4 inch EMTs.	S1R8JNC12
(2) 1-1/4 inch EMTs.	S1R8JNC6	(1) 1 inch & (1) 2 inch EMTs.	S1R8JNC13
(1) 3/4 inch & (2) 1 inch EMTs.	S1R8JNC7		


S1R8JNC6


S1R8JNC10

8 Inch Accessories

Description	Catalog Number	Description	Catalog Number
Includes components to convert installed 8" Recessed FRPT to Furniture Feed activation; S1R8JNC13, low voltage dividers, internal and external intumescent materials.	S1R8PTFFCOMPKIT	1 Inch replacement Plug, Brushed Aluminum.	S1RPLUG100ALU
		1 Inch replacement Plug, Black Powder.	S1RPLUG100BLK
		1 Inch replacement Plug, Brass Plated.	S1RPLUG100BRS
		1 Inch replacement Plug, Bronze Plated.	S1RPLUG100BRZ
Pre-pour tube, includes hardware.	S1R8PPT*	1 Inch replacement Plug, Gray Powder.	S1RPLUG100GRY
Abandonment plate, black finish.	S1R8ADMTBK	1 Inch replacement Plug, Nickel Plated.	S1RPLUG100NKL
Low voltage replacement divider.	S1R8DIV	Power junction box.	S1FRPTJB

*Note: *Not UL Listed.*


S1R8PPT


S1R8ADMTBK


S1R8DIV
S1FRPTJB

Dimensions in Inches (mm)

ScrubShield® Complies with UL514A

Center Plate Configurations



- Allows for 3 duplexes or up to 18 data/ AV jacks; Other combinations possible
- Accepts third party AV devices (i.e. Extron®, Crestron®, FSR®)
- Standard NEMA spacing between devices

Perimeter Plate Configurations



- Available in pre-wired duplexes or openings to accommodate third party AV devices
- Multiple duplexes can be wired in the supplied junction box or independently

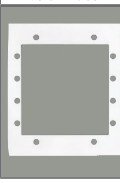
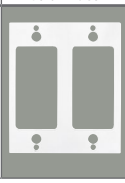
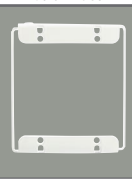
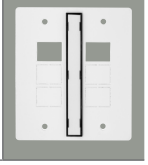
Center Sub-Plates - Single Gang

Description/Cat. No.	Sub-Plate	Description/Cat. No.	Sub-Plate
Blank cover plate **S1R8CSPB**		(2) Extron MAAP openings **S1R8CSPC**	
(1) 1 unit Hubbell iSTATION opening **S1R8CSPD**		(1) 1.5 unit Hubbell iSTATION opening (See section AA for modules) **S1R8CSPE**	
(1) 1.60" opening for 20A & 30A Twist-Lock® **S1R8CSPG**		(1) Duplex opening **S1R8CSPI**	
(1) 1.40" opening for simplex or 15A Twist-Lock **S1R8CSPJ**		(1) Style Line® decorator opening **S1R8CSPK**	
(1) Hubbell Jack opening and (3) Jack KOs with Label Field **S1R8CSP4DJ**			

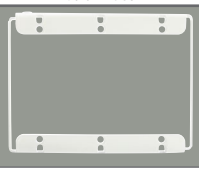
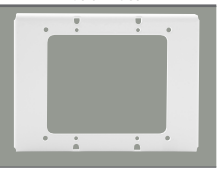
Perimeter Sub-Plates

Description/Cat. No.	Sub-Plate	Description/Cat. No.	Sub-Plate
Blank cover plate **S1R8PSPU**		Single Extron MAAP opening **S1R8PSPV**	
Pull through with 1" bushing opening **S1R8PSPW**		Single Extron AAP opening **S1R8PSPX**	
(1) 1 unit Hubbell iSTATION opening (see section AA for modules) **S1R8PSPY**		Dual 20A pre-wired power cubes; one circuit (supplied with isolated ground sticker) **S1R8PSPZ** **S1R8PSPZ25** (25 foot leads)	
Dual 20A pre-wired power cubes; one circuit (supplied with isolated ground sticker); marked with "⏻ Controlled"; (18 inch leads) **S1R8PSPZC**		Dual 20A pre-wired power tamper resistant cubes; one circuit (supplied with controlled and isolated ground stickers); (18 inch leads) **S1R8PSPZTR**	

Center Sub-Plates - Two Gang

Desc/Cat. No.	Sub-Plate	Desc/Cat. No.	Sub-Plate	Desc/Cat. No.	Sub-Plate	Desc/Cat. No.	Sub-Plate	Desc/Cat. No.	Sub-Plate
Two gang; (4) Extron AAP openings **S1R8CSPA**		Two gang; 3 unit Hubbell iSTATION opening (See section AA for modules) **S1R8CSPL**		Two gang; (2) Style Line Decorator openings **S1R8CSPM**		Two gang; device depth extension collar (for use with 3rd party data up to 2.5"depth) **S1R8CSPEXT**		Two gang; (2) Hubbell Jack openings and (4) Jack KOs with Label Field **S1R8CSP6DJ**	

Center Sub-Plates - Three Gang

Description/Cat. No.	Sub-Plate	Description/Cat. No.	Sub-Plate	Description/Cat. No.	Sub-Plate
Three gang; blank cover plate **S1R8CSPN**		Three gang; device depth extension collar (for use with 3rd party data up to 2.5" depth) **S1R8CSPEXT3**		Three gang extender with two gang opening; device depth extension collar (for use with 3rd party data up to 2.5" depth) **S1R8CSPEXT32**	

Note: Rectangular Sub-Plates are for center compartments, crescent Sub-Plates are for perimeter compartments and are not inter-changeable. See page R-14 for covers and accessories. Extron® is a registered trademark of Extron Electronics. Crestron® is a registered trademark of Crestron Electronics, Inc. FSR® is a registered trademark of FSR Inc.

Dimensions in Inches (mm)

SystemOne Recessed 6 Inch FRPT Fittings

Features and Benefits

- Maintains concrete floor fire rating up to two hours
- Junction box standard
- Includes (1) 2 inch data/AV EMT and (1) 3/4 inch power EMT
- For use in the City of Chicago applications, junction box is NOT included
- Features ScrubShield technology that exceeds UL514A scrubwater exclusion requirements
- Works with time and labor saving 6" concrete pre-pour tube

ScrubShield®
Complies with UL514A



6 Inch FRPT
with Accessories



FRPT Design

- Step down installation
- Flexible single or dual service
- Recessed connections



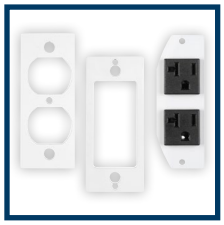
Covers

- Durable die-cast aluminum cover
- 1,000 lbs. static load rated cover
- Available as recessed or furniture feed
- Available in six architectural finishes



Chamber

- Recessed 3.5 inch deep connectivity chamber
- Large wiring compartments divide up to 2.9 inch (73mm) deep
- Adaptable low voltage divider
- 2-inch EMT bottom feed
- 3/4-inch EMT bottom feed



Easy Mount Device Plates

- Multiple, open architecture mounting plates for power, data and AV



Safety

- Low profile flange, 0.15 inch exceeds ADA requirements
- Two hide-away egress doors fold under cover while in use
- 180° opening of main door



6 Inch Sub-Plate Features 60/40 or 50/50 Device Plate Combinations

- Allows for a wide array of data and AV connectivity with a 20A duplex receptacle
- The two plates can be independently wired

Dimensions in Inches (mm)

6 Inch Core Hole Kits, for Use In Concrete Floors

ScrubShield® Complies with UL514A

Pre-Wired 60/40 Split 6 Inch Fire-Rated Poke-Through for Data AV Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT) • (2) Decorator opening Sub-Plate (S1R6SPW) • (2) 20A, pre-wired receptacle with 18 inch wire leads (S1R6SPZ) • (1) Set 1-1/2 inch Sub-Plate extensions (S1R6SPEXT) • (1) 6 inch flange and universal cover assembly (S1R6CVRxx) Receptacles feature single circuit wiring.	Brushed Aluminum	S1R6PTWZALU
	Black Powder Coat	S1R6PTWZBLK
	Brushed Brass Plated	S1R6PTWZBRS
	Antique Bronze Plated	S1R6PTWZBRZ
	Gray Powder Coat	S1R6PTWZGRY
	Satin Nickel Plated	S1R6PTWZNKL



S1R6PTWZALU

Pre-Wired 50/50 Split 6 Inch Fire-Rated Poke-Through for Hubbell Data AV Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT) • (4) 1 Unit Hubbell iSTATION openings (S1R6SPD) • (1) Decorator opening and (2) keystone openings (S1R6SPE) • (4) 20A, pre-wired receptacles (S1R6SPH) • (1) Set 1-1/2 inch Sub-Plate extensions (S1R6SPEXT) • (1) 6 inch flange and universal cover assembly (S1R6CVRxx) Opening architecture Keystone openings accept Hubbell modular jacks and many others. Receptacles feature single or two circuit wiring and isolated ground capability.	Brushed Aluminum	S1R6PTDEHALU
	Black Powder Coat	S1R6PTDEHBLK
	Brushed Brass Plated	S1R6PTDEHBRS
	Antique Bronze Plated	S1R6PTDEHBRZ
	Gray Powder Coat	S1R6PTDEHGRY
	Satin Nickel Plated	S1R6PTDEHNKL



S1R6PTDEHBLK

Pre-Wired 50/50 Split 6 Inch Fire-Rated Poke-Through for Hubbell or Third Party Devices Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT) • (3) Extron® AAP openings (S1R6SPA) • (5) Extron MAAP openings (S1R6SPC) • (1) Decorator opening and (2) Hubbell keystone openings (S1R6SPE) • (4) 20A, pre-wired receptacles (S1R6SPH) • (1) Set 1-1/2 inch Sub-Plate extensions (S1R6SPEXT) • (1) 6 inch flange and universal cover assembly (S1R6CVRxx) Opening architecture Keystone openings accept Hubbell modular jacks and many others. Receptacles feature single or two circuit wiring and isolated ground capability.	Brushed Aluminum	S1R6PTACEHALU
	Black Powder Coat	S1R6PTACEHBLK
	Brushed Brass Plated	S1R6PTACEHBRS
	Antique Bronze Plated	S1R6PTACEHBRZ
	Gray Powder Coat	S1R6PTACEHGRY
	Satin Nickel Plated	S1R6PTACEHNKL

6 Inch Fire-Rated Poke-Through with Finished Cover Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT) • 1) Set 1-1/2 inch Sub-Plate extensions (S1R6SPEXT) • (1) 6 inch flange and universal cover assembly (S1R6CVRxx)	Brushed Aluminum	S1R6PTALU
	Black Powder Coat	S1R6PTBLK
	Brushed Brass Plated	S1R6PTBRS
	Antique Bronze Plated	S1R6PTBRZ
	Gray Powder Coat	S1R6PTGRY
	Satin Nickel Plated	S1R6PTNKL



S1R6PTBRS

6 Inch Fire-Rated Poke-Through for Furniture Feed Applications Kits	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 6 inch floor fitting (S1R6PTFIT) • (1) 6 inch furniture feed flange and cover assembly (S1R6FFCVRxx) • (1) 2 inch conduit fitting • (1) 3/4 inch conduit fitting • (1) Set 1-1/2 inch Sub-Plate extensions (S1R6SPEXT) Receptacles feature single circuit wiring.	Brushed Aluminum	S1R6PTFFALU
	Black Powder Coat	S1R6PTFFBLK
	Brushed Brass Plated	S1R6PTFFBRS
	Antique Bronze Plated	S1R6PTFFBRZ
	Gray Powder Coat	S1R6PTFFGRY
	Satin Nickel Plated	S1R6PTFFNKL

Note: xx indicates finish options.

Extron® is a registered trademark of Extron Electronics.



S1R6PTFFNKL

Dimensions in Inches (mm)

6 Inch FRPT and Covers, for Use In Concrete Floors

ScrubShield® Complies with UL514A

6 Inch Fire-Rated Poke-Throughs

Description	Catalog Number
6 Inch Fire-Rated Poke-Through.	S1R6PTFIT
6 Inch Fire-Rated Poke-Through; for use in the City of Chicago.	S1R6PTFITCHI

Note: See page R-38 for technical information.



S1R6PTFIT



S1R6PTFITCHI

Recessed 6 Inch Covers

6 Inch FRPT cover assembly unit includes solid cast aluminum construction, carpet gasket and mounting hardware. All covers are UL514A, scrubwater compliant. Furniture Feed covers include (1) 2" Threaded Hub & (1) 3/4" Threaded Hub.



Cover Finish	Catalog Number	Furniture Feed Option
Brushed Aluminum	S1R6CVRALU	S1R6FFCVRALU
Black Powder Coat	S1R6CVRBLK	S1R6FFCVRBLK
Brushed Brass Plated	S1R6CVRBRS	S1R6FFCVRBRS
Antique Bronze Plated	S1R6CVRBRZ	S1R6FFCVRBRZ
Gray Powder Coat	S1R6CVRGRY	S1R6FFCVRGRY
Satin Nickel Plated	S1R6CVRNKL	S1R6FFCVRNKL

Note: COVER LOAD RATING: 1,000 lbs. with 2x safety factor. Load applied through a 3 in. (76) mandrel at the center of the cover. Static loads only.



S1R6ADMTBK



S1R6PPT



S1FRPTJB

6 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	S1R6PPT*
Abandonment plate, black finish.	S1R6ADMTBK
Low voltage replacement divider.	S1R6DIV
Power junction box, 27.0 cubic inches; (1) 3/4 inch and (1) 1 inch EMT connector.	S1FRPTJB
Replacement 1-1/2 inch extension kit, ships with 6" FRPT kits and S1R6PTFIT(CHI).	S1R6SPEXT
Power junction box.	S1FRPTJB2

*Note: *Not UL Listed.*



S1R6DIV



S1R6SPEXT

Replacement Furniture Feed Fitting

Description	Catalog Number
2 inch furniture feed fitting	S1RFFFIT2



S1RFFFIT2

Replacement Plugs

Finish	2 Inch	3/4 Inch
Brushed Aluminum	S1RPLUG2ALU	S1RPLUG075ALU
Black Powder Coat	S1RPLUG2BLK	S1RPLUG075BLK
Brushed Brass Plated	S1RPLUG2BRS	S1RPLUG075BRS
Antique Bronze Plated	S1RPLUG2BRZ	S1RPLUG075BRZ
Satin Nickel Plated	S1RPLUG2NKL	S1RPLUG075NKL



S1RPLUG2ALU



S1RPLUG075ALU

Dimensions in Inches (mm)

6 Inch Sub-Plates, for Use In Concrete Floors

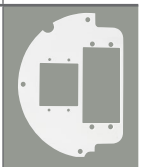
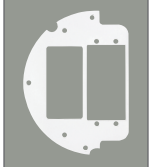
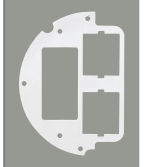
ScrubShield® Complies with UL514A

60/40 Device Plate Combination

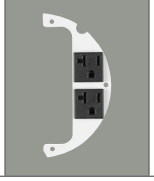
- Allows for up to twelve data/AV jacks plus a 20A duplex receptacle
- Two plates which can be wired independently



Left 60% Sub-Plates

Description/Cat. No.	Sub-Plate	Description/Cat. No.	Sub-Plate
(1) Extron® MAAP opening, (4) Extron MAAP openings, (1) Extron MAAP opening, left side only **S1R6SPT***		(2) MAAP and (2) AAP Extron openings, left side only **S1R6SPU***	
(1) Style Line® decorator and (2) Extron MAAP openings, left side only **S1R6SPV***		(2) Style Line decorator openings, left side only **S1R6SPW***	
(1) Style Line decorator and (2) Extron AAP openings, left side only **S1R6SPX***		(1) Style Line decorator and (2) 1.5 unit Hubbell iSTATION openings, left side only (See section AA for modules) **S1R6SPY***	

Right 40% Sub-Plates

(2) 20A pre-wired receptacles; 16" lead; one circuit, right side only (Supplied with isolated ground sticker) **S1R6SPZ**		(2) 20A pre-wired receptacles; 25 foot lead; one circuit, right side only (Supplied with isolated ground sticker) **S1R6SPZ25**	
(2) 20A pre-wired receptacles; 16" lead; one circuit, right side only (Supplied with isolated ground sticker); Marked with "⏻ Controlled" **S1R6SPZC**			

*Note: Sub-Plates can not be rotated to create additional layouts. When assembled, Sub-Plates cannot overlap. Custom plates available upon request and may be subject to minimum order quantity. *Sub-Plates must only be used for Data/AV. Do not mix with power devices. See page R-18 for covers and accessories.*

50/50 Device Plate Combination

- Allows for up to eight Hubbell data jacks plus two 20A duplex receptacles
- Two plates which can be wired independently



Left 50% Sub-Plates

Description/Cat. No.	Sub-Plate	Description/Cat. No.	Sub-Plate
(3) Extron AAP plate openings, left side only **S1R6SPA**		Blank cover plate, left side only **S1R6SPB**	
(5) Extron MAAP plate openings, left side only **S1R6SPC**		(4) 1 unit Hubbell iSTATION openings, left side only (See section AA for modules) **S1R6SPD**	
(1) Style Line decorator and (2) Hubbell keystone openings, left side only **S1R6SPE***		(2) 1.5 unit Hubbell iSTATION openings, left side only (See section AA for modules) **S1R6SPF**	
(3) Extron MAAP openings and (2) Hubbell keystone jack openings, left side only **S1R6SPL**		(1) Style Line decorator opening, left side only **S1R6SPM**	
(1) Decorator opening and (2) Ortronics® TracJack® openings, left side only **S1R6SPN**		(2) Hubbell Jack openings and (4) Jack KOs with Label Field **S1R6SP6DJ**	

Right 50% Sub-Plates

(1) Duplex device opening, right side only **S1R6SPI**		(1) Style Line Decorator device opening, right side only **S1R6SPK**	
(1) 1.60" opening for 20A and 30A Twist-Lock®, right side only **S1R6SPG**		(1) 1.40" opening for simplex or 15A Twist-Lock, right side only **S1R6SPJ**	
(4) 20A pre-wired receptacles; one or two circuits, right side only (Supplied with isolated ground sticker) **S1R6SPH** (16" leads) **S1R6SPH25** (25 foot leads)		(4) 20A pre-wired receptacles; 16" leads; one or two circuits, right side only; Marked with "⏻ Controlled" **S1R6SPHC4** (4 Controlled) **S1R6SPHC2** (2 Controlled)	
(3) 20A pre-wired tamper resistant receptacles; one circuit, right side only (Supplied with controlled and isolated ground stickers) **S1R6SP3RTR**			

*Note: *SubPlates must only be used for Data/AV. Do not mix with power devices. See page R-18 for covers and accessories*

Dimensions in Inches (mm)

Extron® is a registered trademark of Extron Electronics.

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

SystemOne Recessed 4 Inch FRPT Fittings

Features and Benefits

ScrubShield®
Complies with UL514A

- Maintains concrete floor fire rating up to two hours
- Junction box standard, 27 cubic inches
- (1) 3/4 inch conduit for power and (2) 1/2 inch conduits for low voltage
- For use in the City of Chicago applications, junction box is NOT included
- Works with time and labor saving 4" concrete pre-pour tube



4 Inch FRPT
with Accessories



FRPT Design

- Step down installation
- Flexible single or dual service
- Recessed connections



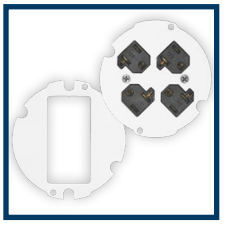
Covers

- Durable die-cast aluminum cover
- 1,000 lbs, static load rated cover
- Available in six architectural finishes



Chamber

- 3-inch deep user access chamber
- Deep wiring chamber for GFCI and USB devices
- Low voltage dividers
- Perimeter chamber:
  (2) 1/2 inch EMTs bottom feed
- Center chamber:
  (1) 3/4 inch EMT bottom feed



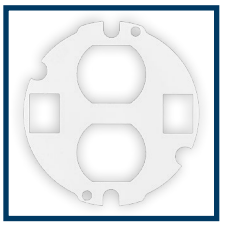
Easy Mount Device Plates

- Field configurable device plates
- Multiple, open architecture mounting plates for power, data and AV



Safety

- Low profile flange, 0.15 inch exceeds ADA requirements
- Hide-away egress door folds under cover while in use
- 180° opening of main door



4 Inch Sub-Plate Features

- Sub-Plates accept Hubbell keystone jacks
- Third party Sub-Plates accept Ortronics® TracJack®

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Dimensions in Inches (mm)

4 Inch Core Hole Kits, for Use In Concrete Floors

ScrubShield® Complies with UL514A

Pre-Wired, 4 Inch Quad Receptacle Kit, Recessed Connectivity, Fire-Rated Poke-Through for Power Only	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 4 inch recessed floor fitting (S1R4PTFIT) • (1) Hubbell pre-wired quad receptacle with mounting plate (S1R4SPQUAD) • (1) Hubbell SystemOne 4 inch recessed activation cover (S1R4CVRxx) • (1) Hubbell Junction box (S1FRPTJB)	Brushed Aluminum	S1R4PTQUADALU
	Black Powder Coat	S1R4PTQUADBLK
	Brushed Brass Plated	S1R4PTQUADBRS
	Antique Bronze Plated	S1R4PTQUADBRZ
	Gray Powder Coat	S1R4PTQUADGRY
	Satin Nickel Plated	S1R4PTQUADNKL


S1R4PTQUADALU

4 Inch Fire-Rated Poke-Through Kit, Recessed Connectivity	Cover Finish	Catalog Number
Kits include: • (1) Hubbell SystemOne 4 inch recessed floor fitting (S1R4PTFIT) • (1) Hubbell SystemOne 4 inch recessed activation cover (S1R4CVRxx) • (1) Hubbell Junction box (S1FRPTJB)	Brushed Aluminum	S1R4PTQUADALU
	Black Powder Coat	S1R4PTQUADBLK
	Brushed Brass Plated	S1R4PTQUADBRS
	Antique Bronze Plated	S1R4PTQUADBRZ
	Gray Powder Coat	S1R4PTQUADGRY
	Satin Nickel Plated	S1R4PTQUADNKL

Note: xx indicates finish options.


S1R4PTBRS

SystemOne Recessed 4 Inch FRPT and Covers, for Use In Concrete Floors

4 Inch Fire-Rated Poke-Throughs

Description	Catalog Number
4 Inch FRPT includes: Junction box and low voltage dividers.	S1R4PTFIT
4 Inch FRPT includes: Low voltage dividers, junction box NOT included.	S1R4PTFITCHI
4 Inch FRPT includes: Quad sub-plate and junction box.	S1R4PTQUAD

Note: See page R-22 for sub-plates and accessories.
See page R-39 for technical information.


S1R4PTFIT
S1R4PTQUAD

Recessed 4 Inch Covers

Single fold under cable egress door. Unit includes solid cast aluminum construction, carpet gasket and mounting hardware. All covers are UL514A, scrubwater compliant.




S1R4PTFITCHI

Cover Finish	Catalog Number
Brushed Aluminum	S1R4CVRALU
Black Powder Coat	S1R4CVRBLK
Brushed Brass Plated	S1R4CVRBRS
Antique Bronze Plated	S1R4CVRBRZ
Gray Powder Coat	S1R4CVRGRY
Satin Nickel Plated	S1R4CVRNKL

Note: COVER LOAD RATING: 1,000 lbs. with 2x safety factor. Load applied through a 3" (76mm) dia. mandrel at the center of the cover. Rated for static loads only.

Dimensions in Inches (mm)

SystemOne Recessed 4 Inch Sub-Plates and Accessories

The 4 Inch recessed cover is available in a number of durable, yet beautiful finishes to match any décor. The flange height of 0.15 inch exceeds ADA requirements and suitable for use on any floor finish. All covers are UL514A, scrubwater compliant.

ScrubShield® Complies with UL514A



Device Mounting Plates

Description / Catalog Number	Sub-Plate	Description / Catalog Number	Sub-Plate	Description / Catalog Number	Sub-Plate
2X2 Sub-Plate with (1) Style Line® decorator device opening and (2) keystone jack openings **S1R4SP2X2STYLE**		(1) Style Line decorator device opening for power or datacom applications **S1R4SPSTYLE**		2X2 Sub-Plate with (1) Style Line decorator device opening and (2) Ortronics® TracJack® openings **S1R4SP2X2STYLETJ**	
2X2 Sub-Plate with (1) duplex device opening and (2) keystone jack openings **S1R4SP2X2DUPLEX**		(1) Duplex device opening for power or datacom applications **S1R4SPDUPLEX**		2X2 Sub-Plate with (1) duplex device opening and (2) Ortronics TracJack openings **S1R4SP2X2DUPLEXTJ**	
(4) Single 20A receptacles. Can be wired as single or two circuit with isolated ground capability, 12" wire leads **S1R4SPQUAD**		(1) 1.60" opening for 20A or 30A Twist-Lock® receptacle **S1R4SPTWIST**		(1) 1.40" opening for simplex receptacle **S1R4SPSIMPLEX**	

Note: See section AA for data jacks and frames.

For low light applications (i.e. under tables or podiums) consider using Hubbell's LED illuminated receptacles: HBL8200ILW 15A, LED or HBL8300ILW 20A, LED.



HBL8300ILW



S1R4PPT



S1R4FRPTADMTBK



S1R4DIV

4 Inch Accessories

Description	Catalog Number
Pre-pour tube, includes hardware.	S1R4PPT*
Abandonment plate, black finish.	S1R4FRPTADMTBK
Low voltage replacement divider.	S1R4DIV

*Note: *Not UL Listed.*

Design Solutions for:

Retail, Cafeterias, Commercial Office Space, Mass Transit Hubs, Education.



Tile



Carpet



Terrazzo

For Technical files, including BIM models, CAD files and Customer drawings, please visit www.hubbell-wiring.com under the Technical tab.

TracJack®, Series II® and Ortronics® are registered trademarks of Ortronics/Legrand.

Dimensions in Inches (mm)

Features and Benefits

- Excellent solution for retrofit and new construction
- Maintains concrete floor fire rating up to four hours
- 1-3/4 inch conduit for power and 1-1/2 inch conduit for low voltage
- Junction box standard, 27 cubic inches
- For use in the City of Chicago, junction box is NOT included
- Works with time and labor saving 4" concrete pre-pour tube

ScrubShield® Complies with UL514A



4 Inch Furniture Feed FRPT with Accessories



FRPT Design

- Step down installation
- Flexible single or dual service
- Adjustable lower fire barrier accommodates concrete floor thicknesses from 2-1/4 to 7 inch



Covers Construction

- Durable die-cast aluminum cover
- 1,000 lbs. static load rated cover
- Available in six architectural finishes



Chamber

- Fittings include removable metallic low voltage divider
- Cover hubs in-line with fitting EMT conduits for easy wiring
- (1) 1-1/2 inch EMT conduit for low voltage
- (1) 3/4 inch EMT conduit for power



Furniture Feed Cover Design

- Seamless one piece design
- (1) 1-1/2 inch EMT conduit for low voltage
- (1) 3/4 inch EMT conduit for power
- 5-1/2 inch diameter flange



Safety

- Low profile flange, 0.15 inch exceeds ADA requirements
- UL514A scrubwater compliant



Application Compatibility

- PolyTuff® I conduits
- SwivelLok® fittings
- Metallic/Non-metallic liquidtight fittings

Dimensions in Inches (mm)

4 Inch Core Kits, Covers and Accessories

ScrubShield® Complies with UL514A





S1R4PTFFALU

SystemOne Furniture Feed 4 Inch Core Kits, Use In Concrete Floors

FRPT, Furniture Feed Flush Connectivity	Cover Finish	Without Juction Box	With Juction Box
Kits include: • (1) Hubbell SystemOne 4 Inch flush furniture feed fitting (S1R4PTAVFIT) • (1) Hubbell SystemOne 4 Inch flush furniture feed activation cover (S1R4FFCVRxx)	Brushed Aluminum	S1R4PTFFALU	S1R4PTFFALUJ
	Black Powder Coat	S1R4PTFFBLK	S1R4PTFFBLKJ
	Brushed Brass Plated	S1R4PTFFBRS	S1R4PTFFBRSJ
	Antique Bronze Plated	S1R4PTFFBRZ	S1R4PTFFBRZJ
	Gray Powder Coat	S1R4PTFFGRY	S1R4PTFFGRYJ
	Satin Nickel Plated	S1R4PTFFNKL	S1R4PTFFNKLJ



S1R4PTFFBLKJ

SystemOne Furniture Feed 4 Inch FRPT and Covers, Use In Concrete Floors

4 Inch Furniture Feed Fire-Rated Poke-Throughs

Description	Catalog Number
4 Inch FRPT Includes: low voltage divider, junction box NOT included.	S1R4PTAVFIT
4 Inch FRPT Includes: low voltage divider and junction box.	S1R4PTAVFITJ



S1R4PTAVFIT

Flush 4 Inch Furniture Feed Covers

One piece cover solid cast aluminum construction with (1) 1-1/2" hub for low voltage and (1) 3/4" hub for power. All covers are UL514A, scrubwater compliant. Liquid-tight fittings not included.



S1R4PTAVFITJ



Cover Finish	Catalog Number
Brushed Aluminum	S1R4FFCVRALU
Black Powder Coat	S1R4FFCVRBLK
Brushed Brass Plated	S1R4FFCVRBRS
Antique Bronze Plated	S1R4FFCVRBRZ
Gray Powder Coat	S1R4FFCVRGRY
Satin Nickel Plated	S1R4FFCVRNKL

Note: COVER LOAD RATING: 1,000 lbs. with 2x safety factor. Load applied through a 3" (76mm) dia. Mandrel at the center of cover without fittings installed. Rated for static loads only.



S1R4PPT

4 Inch Furniture Feed Accessories

Description	Catalog Number
Pre-pour tube, includes mounting hardware.	S1R4PPT*
Abandonment plate, black finish.	S1R4FFADMTBK

*Note: *Not UL Listed.*



S1R4FFADMTBK

Dimensions in Inches (mm)

Featuring the innovative SystemOne product line, Hubbell's offering of Fire-Rated Poke-Through (FRPT) products provide installers with a broad range of options to support a wide array of connections. Hubbell SystemOne flush FRPTs install in a 4 inch core hole and provide users the flexibility to create personal solutions for their most demanding applications.

Hubbell SystemOne Flush FRPTs for 4 Inch Concrete Core Hole Applications...



Multi-Service Applications

This Hubbell SystemOne Sub-Plate incorporates two Style Line® rectangular openings. These can be used for a variety of power and/or data applications. It will accommodate 15 or 20 amp, standard, isolated ground, GFCI or surge protected receptacles. Using communication frames it can provide up to a 6-port multi-service or a 12-port all communication solution.



Multimedia Applications

Other Hubbell SystemOne Sub-Plates are designed to meet the growing needs of the audio and video markets. Some Sub-Plates provide power outlets with Hubbell's AV products including 15-pin SVGA, RCA, S-Video, 3.5mm stereo, and XLR microphone jacks. Other Sub-Plates can accommodate Extron® Electronics MAAP and AAP series AV modules.



4X4 Applications

Provides maximum power capacity for flush, multi-service applications. This Sub-Plate features a pre-wired four outlet 20A, 125V receptacle and four openings for Hubbell's Snap Fit, flush mount modular jacks and AV connectors.

Traditional Hubbell FRPTs for 3 Inch and 2 Inch Concrete Core Hole Applications...



Flush Applications

Hubbell offers a variety of single and multi-service flush fire-rated poke-through products. It incorporates a Hubbell Style Line®, 20 amp, duplex receptacle and two Hubbell Category 6 data jacks. The jacks mount flush to the cover for an unobtrusive appearance. Various colors and all brass versions are available.



Pedestal Applications

Hubbell offers single and multi service pedestal style FRPTs for those applications requiring above-the-floor connections. Available in 2, 4 or 6-gang sizes, pedestal FRPTs provide more power and low voltage connections to the desktop than most flush configurations in a 3 Inch core hole.



Furniture Feed Applications

Hubbell offers single and multiple service flush and pedestal style FRPTs that deliver power and voice/data cabling to feed furniture systems. Various models can feed up to 2 inch conduit and can accommodate up to 36 Category 5e data cables.

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Dimensions in Inches (mm)

Features and Benefits

ScrubShield®
Complies with UL514A

SystemOne Flush 4 Inch Core Through Floor Fittings

- Step down installation clips allow the fitting to be installed or removed from the floor above
- Fire barrier expands during fire conditions to maintain the floor's fire rating
- Adjustable lower fire barrier accommodates concrete floor thicknesses from 2-1/4 inch to 7 inch
- Oversized EMT conduit tubes for increased cable capacity



Features

- Accepts all Hubbell SystemOne universal covers and flush Sub-Plates
- Excellent solution for retrofit and new construction
- Delivers power, voice, data and multimedia
- UL listed for use in 1 – 4 hour fire rated floors at 100% rated fill
- Available with integral power junction box
- SystemOne Fire-Rated Poke-Throughs are approved for use in the City of Chicago
- UL installation spacing - minimum 2 feet on center, not more than one per 65 square feet of floor area in each span

Universal Flange and Cover Assembly

- Hinged doors open 180 degrees flush to the carpet flange or tile
- Locking studs allow each door to be secured independently
- The universal carpet or tile flange can be used for Hubbell SystemOne Fire-Rated Poke-Throughs and Floor Boxes
- Finishes and colors available:


Carpet


Tile


Aluminum Finish | Brass Finish | Black | Gray | Ivory

Features

- Durable cast aluminum construction available in black, gray, brass, aluminum and ivory powder coat finishes
- Features ScrubShield technology that exceeds UL514A scrubwater exclusion requirements
- Provides consistent look and maximum functionality throughout the installed life
- Meets ADA requirements for accessible design

Hubbell SystemOne Flush Sub-Plates

Hubbell's modular sub-plate design allows users to economically upgrade Hubbell SystemOne FRPTs and Floor Boxes to accommodate future moves, additions and changes. See page R-27 for additional information.


4x4 Sub-Plate


Datacom and Power Sub-Plate


Extron® APP/MAPP and Power Sub-Plate


Dual Style Line® Decorator Sub-Plate


Twist-Lock® Sub-Plate


Furniture Feed Cover, Carpet

Features

- Durable cast aluminum construction, powder coat finish
- Hubbell 4X4: four 20A, 125V receptacles, four keystone openings for voice/data jacks and flush multimedia connectors
- Hubbell X-END and Hubbell iSTATION modular connectivity
- Accommodates Extron® Electronics Architectural Series AV system integration products
- Accommodates GFCI, surge and standard Style Line® Decorator receptacles
- Twist-Lock® receptacle with two flush keystone openings
- Large capacity and multi-service furniture feed applications
- Open system Sub-Plates permit maximum data flexibility

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Dimensions in Inches (mm)

4 Inch Core Hole One-Piece Units, for Use In Concrete Floors

ScrubShield® Complies with UL514A

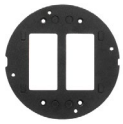
Hubbell SystemOne 4 Inch Core Hole, One-Piece Units

All Hubbell SystemOne 4 Inch core, one-piece units include the sub-plate and cover to simplify your order and reduce installation time. Units are also available with a power junction box installed. The junction box is also available for purchase separately.



Description	Cover Finish	Without Junction Box	With Junction Box
One-Piece 4X4 Poke-Through Assembled-unit include: • (Hubbell SystemOne 4X4 floor fitting (S1PT4X4FIT) • 4x4 Sub-Plate (S1SP4X4) • Finish flange and universal carpet cover assembly (S1CFCxx) • 4-hour fire classification Keystone openings accept Hubbell modular jacks, X-END connectors and flush multimedia snap fit connectors. Receptacles feature single or two circuit wiring and isolated ground capability.	Aluminum Finish	S1PT4X4AL	S1PT4X4ALJ
	Brass Finish	S1PT4X4BRS	S1PT4X4BRSJ
	Black/Brass Finish	S1PT4X4BRS3	S1PT4X4BRS3J
	Black	S1PT4X4BL	S1PT4X4BLJ
	Gray	S1PT4X4GY	S1PT4X4GYJ
			


S1PT4X4BLJ

Description	Cover Finish	Without Junction Box	With Junction Box
One-Piece Dual Style Line® Decorator Poke-Through Assembled-unit include: • Hubbell SystemOne dual channel floor fitting (S1PTFIT) • Dual Style Line decorator opening Sub-Plate (S1SP) • Finish flange and universal carpet cover assembly (S1CFCxx) • 4-hour fire classification Style Line decorator openings accept two Style Line decorators or one surge or GFCI receptacle and one Style Line decorator receptacle. Outlet frames can be used to convert the application to a 6-port multi-service or a 12-port all communication solution. Fitting is 4-hr rated at 100% fill to accommodate (12) Cat. 6A cables (0.330" diameter).	Aluminum Finish	S1PTAL	S1PTALJ
	Brass Finish	S1PTBRS	S1PTBRSJ
	Black	S1PTBL	S1PTBLJ
	Gray	S1PTGY	S1PTGYJ
			


S1PTAL

Description	Cover Finish	Without Junction Box	With Junction Box
One-Piece Modular AV Poke-Through Assembled-unit include: • Hubbell SystemOne AV floor fitting (S1PTAVFIT) • 20A, 125V power and 3-unit Hubbell iSTATION Sub-Plate (S1SP3IM) Finish flange and universal carpet cover assembly (S1CFCxx) • 4-hour fire classification The Hubbell iSTATION's recessed opening can accommodate data/voice/audio and video solutions including15-pin VGA, RCA, S-Video, 3.5mm stereo, X-END, HDMI and XLR microphone jacks.	Aluminum Finish	S1PT3IMAL	S1PT3IMALJ
	Brass Finish	S1PT3IMBRS	S1PT3IMBRSJ
	Black	S1PT3IMBL	S1PT3IMBLJ
	Gray	S1PT3IMGY	S1PT3IMGYJ
			


S1PT3IMAL

Description	Cover Finish	Without Junction Box	With Junction Box
One-Piece Furniture Feed Poke-Through Assembled-unit include: • Hubbell SystemOne AV floor fitting (S1PTAVFIT) • Hubbell SystemOne furniture feed cover plate (S1SPFFxx) • 4-hour fire classification This solution provides one 3/4 in. conduit for power and one 1-1/2 in. conduit for low-voltage. Furnished with two screw-in flexible metal conduit connectors.	Aluminum Finish	S1PTFFAL	S1PTFFALJ
	Brass Finish	S1PTFFBRS	S1PTFFBRSJ
	Black	S1PTFFBL	S1PTFFBLJ
	Gray	S1PTFFGY	S1PTFFGYJ
			


S1PTFFGY

*Note: *Junction box factory installed on through floor fitting. See pages R-40 and R-41 for technical information.*

Dimensions in Inches (mm)

4 Inch Core Hole Three-Piece Units, for Use In Concrete Floors

ScrubShield® Complies with UL514A





S1PT4X4FITJ

Hubbell SystemOne 4 Inch Core, Three-Piece Units

Description	Without Juction Box	With Juction Box
4X4 Through Floor Fitting Through floor fitting with two 3/4 in. EMT for communications and one 3/4 in. EMT for power. For use with Hubbell SystemOne universal covers and S1SP4X4 and S1SPTL series Sub-Plates only. Universal cover and Sub-Plate ordered separately. 4-hour fire classification.	S1PT4X4FIT	S1PT4X4FITJ
Dual Channel Through Floor Fitting Through floor fitting with two 1 in. EMT conduit stems to feed power and/or communication services. For use with Hubbell SystemOne universal covers and all Hubbell Sub-Plates except S1SP4X4 and S1SPTL series. Universal cover and Sub-Plate ordered separately. 4-hour fire classification.	S1PTFIT	S1PTFITJ
AV Through Floor Fitting Through floor fitting with one 3/4 in. EMT conduit stem for power and one 1-1/2 in. EMT conduit stem for communication services. Ideal for demanding, high capacity AV and data requirements. For use with Hubbell SystemOne universal covers and all Hubbell Sub-Plates except S1SP4X4 and S1SPTL series. Universal cover and Sub-Plate ordered separately. 4-hour fire classification.	S1PTAVFIT	S1PTAVFITJ

*Note: *Junction box factory installed on through floor fitting. See pages R-40 and R-41 for technical information.*



S1PTFIT



S1PTAVFIT

Hubbell SystemOne Universal Cover

- Cast aluminum construction
- Durable powder coat finish





Finish/Color	Carpet	Tile
Aluminum Finish	S1CFCAL	S1TFCAL
Brass Finish	S1CFCBRS	S1TFCBRS
Black	S1CFCBL	S1TFCBL
Gray	S1CFCGY	S1TFCGY
Ivory	S1CFCI	S1TFCI



Aluminum Finish



Brass Finish



Black



Gray



Ivory

Dimensions in Inches (mm)

Poke Through Accessories

Description	Color	Catalog Number
Abandonment Plates Used to cover abandoned SystemOne Fire-Rated Poke-Throughs or Floor Boxes.	Black Gray	S1AP4BL S1AP4GY
Fire-Rated Closure Plug Used to seal a 4 Inch core hole when the FRPT is no longer required and the through-floor fitting is removed. Maintains the floor's 1–4 hour fire rating.	Black Gray	S1FRP4BL S1FRP4GY
Power Junction Box For use with SystemOne Fire-Rated Poke-Throughs. Provides 27.0 cubic inches. (1) 3/4 and (1) 1" EMT connector supplied. Trade size knockouts: Top (1) 1 inch Bottom (1) 3/4 inch Sides (2) 1/2 inch (1) 3/4 inch		S1FRPTJB
4 Inch Dia., Pre-Pour Tube Includes hardware.		S1R4PPT*









*Note: *Not UL Listed.*

ScrubShield®
Complies with UL514A

Description	Catalog Number	Description	Catalog Number	Description	Catalog Number
Style Line® Decorator/GFCI (2) Style Line decorator openings for power and/or datacom applications.	 S1SP	**Duplex/Duplex** (2) Duplex openings for power and/or datacom applications.	 S1SPDU	**Duplex/Style Line Decorator** (1) Duplex and (1) Style Line decorator opening for power and/or datacom applications.	 S1SPDUSL
Hubbell 4 X 4 (4) 20A, 125V receptacles; (4) Keystone openings for Hubbell jacks or flush AV connectors; Power can be wired as single or two circuit with isolated ground capability. Includes ⏻ stickers; Provided with 15 ft. wire leads Provided with 30 ft. wire leads.	 S1SP4X4 S1SP4X4C S1SP4X415 S1SP4X430	**Carpet Furniture Feed Cover/Flange*** (1) 3/4" and (1) 1-1/2" NPT access holes for power and/or datacom applications; Universal Cover not required. Includes carpet flange. Aluminum Fin. Brass Finish Black Gray	 S1SPFFAL S1SPFFBRS S1SPFFBL S1SPFFGY	**Tile Furniture Feed Cover/Flange*** (1) 3/4" and (1) 1-1/2" NPT access holes for power and/or datacom applications; Universal Cover not required. Includes tile flange. Aluminum Fin. Brass Finish Black Gray	 S1SPFFTAL S1SPFFTBRS S1SPFFTBL S1SPFFTGY
Single Receptacle + Data Opening for 20 or 30A Twist-Lock® receptacle (1.56" OD) and (2) Keystone openings for Hubbell jacks or flush AV connectors.	 S1SPTL	**Hubbell DataCom + Power** (1) 20A, 125V receptacle and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications; marked with "⏻ Controlled".	 S1SP3IM S1SP3IMC	**Hubbell DataCom + Duplex** (1) Duplex opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.	 S1SPDU2IM
Hubbell DataCom + Style Line Decorator (1) Style Line decorator opening, (2) flush Keystone openings and 1.5 unit recessed Hubbell iSTATION opening for data, voice and AV applications.	 S1SPSL2IM	**Hubbell DataCom** 1 unit flush Hubbell iSTATION opening and 3-unit recessed Hubbell iSTATION opening for data, voice, and AV applications.	 S1SP4IM	**Active Multimedia + Power** Single 20A, 125V receptacle; (2) flush Keystone openings; (1) rectangular Style Line decorator opening to accommodate active multimedia modules or low voltage outlet frames. marked with "⏻ Controlled".	 S1SPAMM20 S1SPAMM20C
Extron® or FSR + Power (1) 20A, 125V receptacle. Recessed opening for (3) single Extron MAAP series adapter plates or FSR IPS plates. marked with "⏻ Controlled".	 S1SPEXT1 S1SPEXT1C	**Extron or FSR + Power** (1) 20A, 125V receptacle; Recessed opening for (1) single Extron MAAP and (2) single AAP series adapter plates or FSR IPS plates. marked with "⏻ Controlled".	 S1SPEXT2 S1SPEXT2C	**Extron or FSR Single-Service** Recessed opening for (2) single Extron MAAP and (2) single AAP series adapter plates or FSR IPS plates.	 S1SPEXT3
Extron AAP + Power (1) 20A, 125V receptacle; (2) flush Keystone & recessed opening for (2) single Extron AAP Series adapter plates. marked with "⏻ Controlled".	 S1SPEXT4 S1SPEXT4C	**Ortronics Series II® + Power** (1) 20A, 125V receptacle; Recessed opening for (3) 1 unit Ortronics Series II modules. marked with "⏻ Controlled".	 S1SPORT S1SPORTC	**Ortronics TracJack® + Power** (1) 20A, 125V receptacle; Recessed bezel for (6) Ortronics TracJack modules; marked with "⏻ Controlled"	 S1SPTRAC S1SPTRACC
Panduit Mini Com® 4 X 4 (4) 20A, 125V receptacles; (4) Openings for Panduit Mini-Com Connectivity. Includes ⏻ stickers.	 S1SP4X4PA S1SP4X4PAC	**SYSTIMAX® 4 X 4** (4) 20A, 125V receptacles; (4) Openings for SYSTIMAX Connectivity. Includes ⏻ stickers.	 S1SP4X4SYS S1SP4X4SYSC	**Siemon MAX® + Power** (1) 20A, 125V receptacle; Recessed bezel for (6) Siemon MAX modules. marked with "⏻ Controlled".	 S1SPMAX S1SPMAXC

*Note: *Furnished with two screw-in flexible metal conduit connectors. See Network Wiring section for complete offering of Hubbell jacks, frames and datacom accessories. See page R-30 for FRPT Configuration Chart.*

Sub-Plate Accessories

Description		
Replacement Threaded Conduit Plugs Used with S1SPFFx and S1SPFFTx only. Sub-Plate is supplied with plugs.		
Color	**1-1/2" Plug**	**3/4" Plug**
Aluminum Finish	S1FP15AL	S1FP34AL
Brass Finish	S1FP15BRS	S1FP34BRS
Black	S1FP15BL	S1FP34BL
Gray	S1FP15GY	S1FP34GY



Description	Catalog Number
Replacement for S1SPMAX. Sub-Plate is supplied with data frame. Works with Siemon MAX®.	S1DFMAX
Replacement for S1SPTRAC Sub-Plate. Sub-Plate is supplied with data frame. Works with Ortronics TracJack.	S1DFTRAC
Blank Style Line decorator frame, Black. 2-Port Style Line decorator frame, Black. 4-Port Style Line decorator frame, Black. 6-Port Style Line decorator frame, Black.	NS620BK NS612BK NS614BK NS616BK



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Dimensions in Inches (mm)

SystemOne Flush Configuration Chart

ScrubShield® Complies with UL514A

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Approved for use in the City of Chicago. (except S1PFB)			Floor Boxes*						4" Core Hole Fire-Rated Poke-Throughs		
			Non-Metallic	Metal							
											
Sub-Plates			S1PFB	S1CFB	S1SFB	S1SFBCR	S1SFBAV	S1SFBAVCR	S1PTFIT	S1PT4X4FIT	S1PTAVFIT
S1SP	Style Line® Decorator/GFCI		3	3.5	3.5	3.5	3.5	3.5	✓+	✗	✓
S1SPDU	Duplex/Duplex		3	3.5	3.5	3.5	3.5	3.5	✓+	✗	✓
S1SPDUSL	Duplex/Style Line Decorator		3	3.5	3.5	3.5	3.5	3.5	✓+	✗	✓
S1SP4X4 S1SP4X4PA S1SP4X4SYS	Hubbell 4 X 4 Panduit Mini-Com® 4 X 4 SYSTIMAX® 4 X 4		4	4	4	4	4	4	✗	✓+	✗
S1SP4X4C S1SP4X4PAC S1SP4X4SYSC	Marked with "⏻ Controlled"										
S1SPTL	Twist-Lock® Receptacle + Data		4	4	4	4	4	4	✗	✓+	✗
S1SP3IM	Hubbell DataCom + Power		5	5	5	5	5	5	✓	✗	✓+
S1SP3IMC	Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1SP4IM	Hubbell DataCom		3.5	3.5	3.5	3.5	3.5	3.5	✓	✗	✓+
S1SPDU2IM	Hubbell DataCom + Duplex		5	5	5	5	5	5	✓	✗	✓+
S1SPSL2IM	Hubbell DataCom + Style Line Decorator		5	5	5	5	5	5	✓	✗	✓+
S1SPFFxx (Carpet) S1SPFFTxx (Tile)	Furniture Feed Cover/Flange (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray)		3	3.5	3.5	3.5	3.5	3.5	✓	✗	✓+
S1SPEXT1 S1SPEXT1C	Extron® or FSR + Power Marked with "⏻ Controlled"		4	4	4	4	4	4	✓	✗	✓+
S1SPEXT2 S1SPEXT2C	Extron or FSR + Power Marked with "⏻ Controlled"		4	4	4	4	4	4	✓	✗	✓+
S1SPEXT3	Extron or FSR Single-Service		4.5	4.5	4.5	4.5	4.5	4.5	✓	✗	✓+
S1SPEXT4 S1SPEXT4C	Extron or FSR + Power Marked with "⏻ Controlled"		4	4	4	4	4	4	✓	✗	✓+
S1SPORT S1SPORTC	Ortronics Series II® + Power Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1SPTRAC S1SPTRACC	Ortronics TracJack® + Power Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1SPMAX S1SPMAXC	Siemon MAX® + Power Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1SPAMM20 S1SPAMM20C	Active Multimedia + Flush Keystone + Power Marked with "⏻ Controlled"		5	5	5	5	5	5	✓	✗	✓+
S1CFCxx (Carpet)	SystemOne Floor Boxes and FRPTs use SystemOne Universal Covers (Replace "xx" with BRS (Brass finish), AL (Aluminum finish), BL (Black) or GY (Gray)			Signifies minimum depth of concrete pour in inches for Hubbell SystemOne Floor Boxes.					✓+ Recommended Floor Fitting	✓ Alternative Floor Fitting	✗ Not Compatible
S1TFCxx (Tile)											

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Dimensions in Inches (mm)

3 Inch Core Hole Units, for Use In Concrete Floors

ScrubShield® Complies with UL514A

2X2 Flush FRPT, One-Piece Units (PT2X2FIT)

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
2X2 Poke-Through Non-metallic Cover.	Black/Aluminum Black/Aluminum Black Gray Black Gray	**PT2X2ALU3** **PT2X2IGALU3** **PT2X2BL** **PT2X2GY** **PT2X2IGBL*** **PT2X2IGGY***	2X2 Poke-Through.	Black/Brass Brass Finish/Brass Black/Brass Brass Finish/Brass	**PT2X2BRS3** **PT2X2BRS** **PT2X2IGBRS3*** **PT2X2IGBRS***
Pre-wired 20A Style Line® decorator duplex receptacle and (2) Category 6 data jacks Painted or brushed aluminum flange Approved for use in the City of Chicago.			• Pre-wired 20A Style Line decorator duplex receptacle and (2) Category 6 data jacks Solid brass flange • Approved for use in the City of Chicago		

*Note: *Includes pre-wired 20A isolated ground Style Line® decorator duplex receptacle.*

2X2 Flush FRPT, Two-Piece Units

Description	Catalog Number	
Multi-Channel Through-Floor Fitting with (1) 3/4 in. EMT stem with junction box for power and (2) 1/2 in. EMT stems for low voltage.	**PT2X2FIT** 	Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design) • For 2-1/4 in. to 7 in. floor thickness • UL installation spacing – minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area • Approved for use in the City of Chicago

Service Fittings

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
2X2 Service Fitting Non-metallic Cover/ Aluminum Flange	Black/Aluminum Black Gray	**PT2X2SFALU3** **PT2X2SFBL** **PT2X2SFGY**	2X2 Service Fitting Non-metallic Cover/ Brass Flange	Black/Brass Brass Finish/Brass	**PT2X2SFBRS3** **PT2X2SFBRS**
• Pre-wired 20A Style Line decorator duplex receptacle and (2) Category 6 data jacks • Painted or brushed aluminum flange			• Pre-wired 20A Style Line decorator duplex receptacle and (2) Category 6 data jacks • Solid brass flange		

Accessories

Description	Color/Material	Catalog Number	Description	Color/Material	Catalog Number
Non-metallic Replacement Covers.	Brass Finish Black Gray	**PT2X2CBRS** **PT2X2CBL** **PT2X2CGY** 	**Closure Plug** Textured aluminum plug seals 3 in. core hole when FRPT is no longer required and is removed; Maintains the floor's 1 – 4 hour fire rating; UL Listed and CSA Certified.	Gray	**FRP250** 

Note: See page R-43 for technical information.

Dimensions in Inches (mm)

Traditional Flush Duplex FRPT

3 Inch Core Hole Units, for Use In Concrete Floors

ScrubShield® Complies with UL514A

Flush Duplex FRPT, One-Piece Units

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
Flush Poke-Through.	Black Brown Gray Ivory Gray Ivory	**PT7FSDBLA** **PT7FSDBRA** **PT7FSDGYA** **PT7FSDIA** **PT7IGFSDGYA*** **PT7IGFSDIA***	Flush Brass Poke-Through.	All Brass Black/Brass All Brass	**PT7FSDBRS2A** **PT7FSDBRS3A** **PT7IGFSDBRSA***
Complete assembled unit includes: • Pre-wired 20A duplex receptacle • Non-metallic flip lid cover with (2) 1/2 in. diameter low voltage feed-through holes • Painted aluminum flange			Complete assembled unit includes: • Pre-wired 20A duplex receptacle • All brass or black non-metallic cover option • Flip lid cover with (2) 1/2 in. diameter low voltage feed-through holes • Solid brass flange		

*Note: *Includes pre-wired 20A isolated ground duplex receptacle.*

Flush FRPT, Two-Piece Units

Description	Catalog Number	
Multi-Channel Through-Floor Fitting with (1) 3/4 in. EMT stem for power and (2) 1/2 in. low voltage feed-through holes.	**PT7FSD** (with Junction Box) **PT73SD** (without Junction Box)	Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design) • For 2-1/4 in. to 7 in. floor thickness • UL installation spacing – minimum 2 ft. on center and not more than one per 65 sq. ft. of floor area
		

Service Fittings

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
Flush Aluminum Service Fitting.	Black Brown Gray Ivory	**FRFBLA** **FRFBRA** **FRFGYA** **FRFIA**	Flush Brass Service Fitting.	Solid Brass	**FRFBRS2A**
Complete assembled unit includes: • Pre-wired 20A duplex receptacle • Non-metallic flip lid cover with (2) 1/2 in. diameter low voltage feed-through holes • Painted aluminum flange			Complete assembled unit includes: • Pre-wired 20A duplex receptacle • Solid brass flip lid cover with (2) 1/2 in. diameter low voltage feed-through holes • Solid brass flange		

Accessories

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
Non-metallic Replacement Covers.	Black Brown Gray Ivory	**PFBRCBLA** **PFBRCBRA** **PFBRCGYA** **PFBRCIA**	All Brass Replacement Covers.	Solid Brass	**BRS2RCA**
					

Note: See page R-35 for 3 Inch FRPT accessories. See page R-43 for technical information.

Dimensions in Inches (mm)

3 Inch Core Hole Units, for Use In Concrete Floors

ScrubShield® Complies with UL514A

Large Capacity, Single-Service Flush Furniture Feed FRPT, Two-Piece Units

Description	Catalog Number	Description	Color/Material	Catalog Number
Large Capacity, Single-Service Through Floor Fitting with (1) 2 in. EMT stem; Will accommodate up to 36 Category 6 cables.	**PT2FIT**	Large Capacity Cover/Flange.	Brass Finish Black Gray	**FF2BRS** **FF2BK** **FF2GY**
Specifications: • 1 - 2 hour fire rating • Single-Service, Power or Data • For 2-1/4 in. to 7 in. floor thickness • UL installation spacing – minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area • Approved for use in the City of Chicago		Specifications: • Cover/flange with 1-1/4 in. and 2 in. trade size combination knockout • Painted aluminum cover and flange • Approved for use in the City of Chicago		

Note: See page R-44 for technical information.

Flush Furniture Feed FRPT, One-Piece Units

Description	Color	Catalog Number	Description	Color	Catalog Number
3-Service Furniture Feed Poke-Through.	Black Gray Ivory	**PT73FFSDBK** **PT73FFSDGY** **PT73FFSDI**	Single-Service Furniture Feed Poke-Through.	Brass Finish Gray Ivory	— **PT7FFSDGY** **PT7FFSDI**
Complete assembled unit includes: • PT73SD floor fitting • Aluminum cover with (2) 1/2 in. threaded hubs for low voltage and (1) 3/4 in. threaded hub for power • Painted aluminum flange		Complete assembled unit includes: • PT71SD floor fitting • Aluminum cover with (1) KO to accept a 3/4 in. connector • Painted aluminum flange		

Note: See page R-44 for technical information.

Flush Furniture Feed FRPT, Two-Piece Units

Description	Catalog Number	Description	Catalog Number
3-Service Furniture Feed Through-Floor Fitting with (1) 3/4 in. EMT stem for power and (2) 1/2 in. low voltage conduit holes.	**PT73SD**	Single-Service Furniture Feed Through-Floor Fitting with (1) 3/4 in. EMT stem for power or low voltage applications.	**PT71SD**
Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design)		Specifications: • For 2-1/4 in. to 7 in. floor thickness • UL installation spacing – minimum 2 ft. on center and not more than 1 per 65 sq. ft. of floor area	

Service Fittings

Description	Color	Catalog Number	Description	Color/Material	Catalog Number
3-Service Furniture Feed Service Fitting.	Black Gray Ivory	**FRF3BK** **FRF3GY** **FRF3I**	Single-Service Furniture Feed Service Fitting.	Brass Finish Black Gray	**FRF1BRS** **FRF1BK** **FRF1GY**
Complete assembled unit includes: • Aluminum cover with (2) 1/2 in. threaded hubs for low voltage and (1) 3/4 in. threaded hub for power • Painted aluminum flange		Complete assembled unit includes: • Aluminum cover with (1) KO to accept a 3/4 in. connector • Painted aluminum flange		

Note: See page R-35 for 3 Inch FRPT accessories. See page R-44 for technical information.

Dimensions in Inches (mm)

2 and 3 Inch Core Hole Units, for Use In Concrete Floors

3 Inch Core Hole, Two-Piece Unit

Description	Catalog Number
Large Capacity Multi-Service Pedestal Through-Floor Fitting with (1) 1-1/4 in. EMT stem for low voltage and (1) 1/2 in. EMT stem for power applications.	**PT7XC**
Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design) • For 2 1/4 in. to 7 in. floor thickness • Approved for use in the City of Chicago	

2 Inch Core Hole, Two-Piece Unit

Description	Catalog Number
Multi-Service Pedestal Through-Floor Fitting with (1) 3/4 in. EMT stem for low voltage and (1) 1/2 in. EMT stem for power applications.	**PT27A**
Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design) • For 2-1/4 in. to 7 in. floor thickness • Approved for use in the City of Chicago	

Note: See page R-45 for technical information.

Pedestal Service Fittings (Order 1 plate per gang)

Description	Color/Material	Catalog Number	Description	Color	Catalog Number	Description	Color	Catalog Number
2-Gang	Alum. Finish Black Gray	**FR280ALA** **FR280BKA** **FR280GYA**	4-Gang	Black Gray	**FR480BKA** **FR480GYA**	6-Gang	Black Gray	**FR680BKA** **FR680GYA**

Use with PT27A only.



FR280BKA

Use with PT27A or PT7XC.



FR480GYA

Use with PT27A or PT7XC.

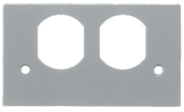
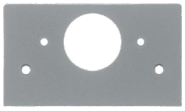


FR680BKA

- Painted aluminum housing with low voltage barrier(s); plates and devices sold separately
- For additional barriers, use FRBR1, see page R-35
- UL Listed and CSA Certified

Note: See page R-46 for technical information.

Pedestal Face Plates (Order 1 plate per gang)

Description	Color/Material	Catalog Number		Description	Color/Material	Catalog Number	
Duplex.	Black Gray	**SS2309DBKA** **SS2309DGYA**		Furniture feed (3/4 in. KO).	Alum. Finish Black Gray	**SS2309FALA** **SS2309FBKA** **SS2309FGYA**	
Style Line®/ GFCI.	Black Gray	**SS2309SLBKA** **SS2309SLGYA**		Furniture feed (1 in. KO).	Black Gray	**SS2309F1BKA** **SS2309F1GYA**	
Single receptacle (1.39 in. OD).	Black Gray	**SS2309SBKA** **SS2309SGYA**		Bushed data opening (1 in. ID).	Black Gray	**SS2309TBKA** **SS2309TGYA**	
Blank.	Alum. Finish Black Gray	**SS2309BALA** **SS2309BBKA** **SS2309BGYA**		• Painted aluminum plates • UL Listed and CSA Certified			

Dimensions in Inches (mm)

3 Inch Core Hole Two-Piece Units, for Use In Concrete Floors

Through-Floor Fitting

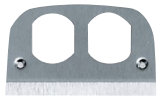
Description	Catalog Number
Large Capacity Multi-Service Pedestal Through-Floor Fitting with (1) 1-1/4 in. EMT stem for low voltage and (1) 1/2 in. EMT stem for power applications.	**PT7XC**
Specifications: • 1 – 4 hour fire rating (1 – 3 hour for steel floor units and concrete topping, D900 Series Design) • For 2-1/4 in. to 7 in. floor thickness • Approved for use in the City of Chicago	

Pedestal Service Fitting

Description	Color/Material	Catalog Number
2-Gang Pedestal Service Fitting For use with PT7XC only.	Brushed Aluminum	**FR80AL**
Specifications: • Brushed aluminum housing with low voltage barrier Plates and devices sold separately		

Note: See pages R-45 and R-46 for technical information.

Plates

Description	Catalog Number		Description	Catalog Number	
Duplex.	**SS309D**		Furniture feed (3/4 in. KO).	**SS309SF***	
Style Line®/GFCI.	**SS309DS**		Furniture feed, blank.	**SS309BF***	
Single receptacle (1.39 in. OD).	**SS309S**		Bushed data opening (1 in. ID).	**SS309T**	
Blank.	**SS309B**		• 302/304 stainless steel plates (SS309SF and SS309BF are aluminum) • UL Listed and CSA Certified		

*Note: *For furniture feed applications using SS309SF, a blank SS309BF must be used for second plate.*

3 Inch Core Hole FRPT Accessories

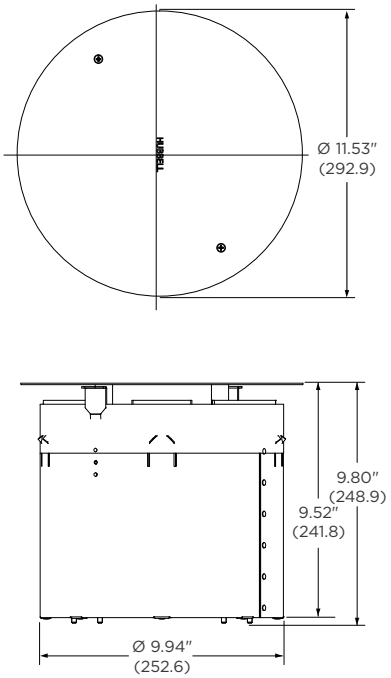
Description	Color	Catalog Number	Description	Color/Gang	Catalog Number
Flush FRPT Abandonment Plate Use with PT7FSD, PT73SD or PT71SD only; Covers the opening when FRPT is abandoned; Service fitting is removed and through-floor fitting remains.	Gray Ivory	**AP2GY** **AP2I** 	**PT7XC Extension Kit** Extends PT7XC FRPT to accommodate between 7 in. and 13 in. floor thickness.	–	**EXT13** 
Multi-Service Furniture Feed Replacement Inserts Use as a replacement cover for PT73FFSD series, or to convert installed PT7FSD series into furniture feed FRPTs; Includes (2) 1/2 in. threaded hubs for low voltage and (1) 3/4 in. threaded hub for power (UL Listed only).	Gray Ivory	**FF3GY** **FF3I** 	**Pedestal FRPT Abandonment Plate** Use with PT27A or PT7XC only. Covers the opening when FRPT is abandoned; Service fitting is removed and through-floor fitting remains.	Gray/ 2-gang Gray/ 4-gang	**AP22**  **AP42** 
Replacement Low Voltage Barrier Use with FR280, FR480, and FR680 pedestal service fittings only when additional power/low voltage separation is required.		**FRBR1** 			

Dimensions in Inches (mm)

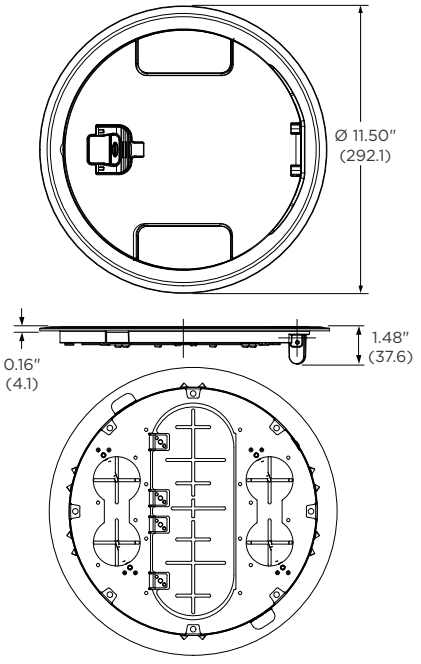
Hubbell SystemOne Recessed 10 Inch Series

ScrubShield® Complies with UL514A

S1R10PTFIT Series

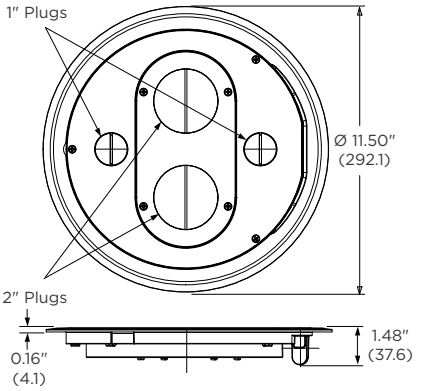


S1R10CVR Recessed Cover Series



Fitting Bottom View

S1R10CVRFF Cover Series



Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes; additionally available in brushed aluminum or black and gray powder coat
- S1R10PSPZ series Sub-Plates supplied with pre-wired dual 20A receptacles; wired with three #12 AWG solid conductors
- Receptacles can be wired as dual circuit and isolated ground
- S1R10FFCVR series furnished with one (2) 1 in. to 3/4 in. threaded reducer
- Meets ADA requirements for accessible design, "changes in level"
- Meets UL 514A scrubwater exclusion requirements
- COVER LOAD RATING: 1,000 lbs. with 2x safety factor; load applied through a 3 in. (76) dia. mandrel at the center of the cover; **rated for static loads only**

Application Data

- Mounted in 10 in. (254.0) cored concrete diameter through hole
- Minimum floor thickness: 2-1/4 in. (57.2)
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors
- Approved for use in the City of Chicago
- Not intended to be used in high traffic installations and not intended to support furniture

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

UL Listed Wiring Capacity

	S1R10PT Recessed Series		S1R10PT FF Series	
Fire Resistance Rating	2-Hrs. (D900)		2-Hrs. (D900)	
Max. Copper Cross Section	Center Chamber .0978 sq. in.	Perimeter Chambers (each) .0408 sq. in.	Each 1 in. Power Hub .1304 sq. in.	Each 2 in. Low Voltage Hub .0962 sq. in.

UL Characteristics

Listing	UL File Number		ULC File Number	
Outlet Box Fire Resistance	E31999 R8429		CEYYC R8429	

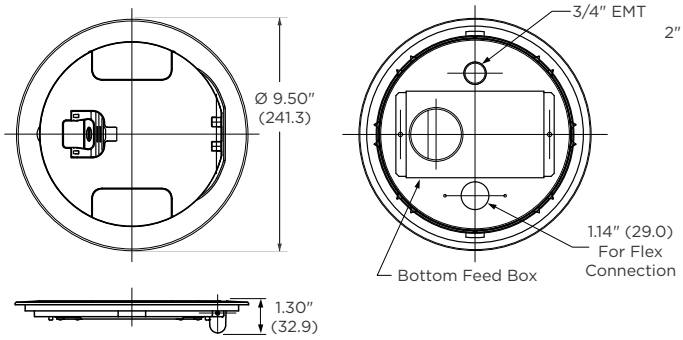
For use in 1, 1-1/2 or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings. When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC® fill tables. NEC® is a registered trademark of the National Fire Protection Association (NFPA).

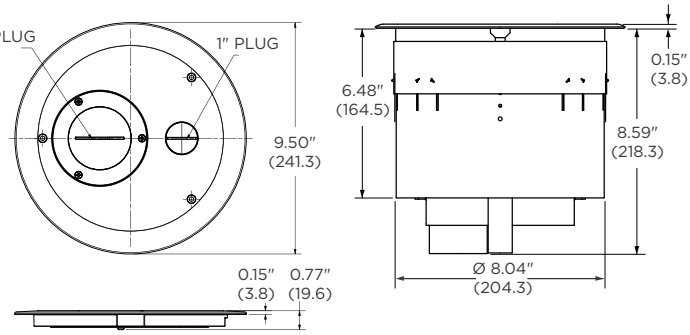
Dimensions in Inches (mm)

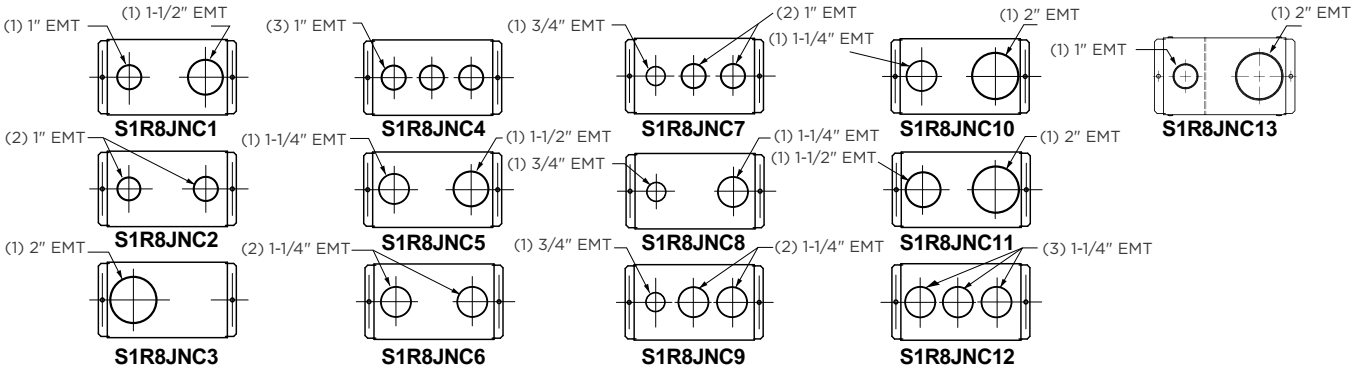
ScrubShield® Complies with UL514A

S1R8PT Series - Recessed



S1R8PT Series - Furniture Feed





Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes; additionally available in brushed aluminum or black powder coat
- S1R8PSPZ Sub-Plate supplied with pre-wired dual 20A receptacle; wired with three #12 AWG solid conductors
- Meets ADA requirements for accessible design, "changes in level"
- Meets UL 514A scrubwater exclusion requirements
- COVER LOAD RATING: 1,000 lbs. with 2x safety factor; load applied through a 3 in. (76) dia. mandrel at the center of the cover; **rated for static loads only**

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

Application Data

- Mounted in 8 in. (203.2) cored concrete diameter through hole
- Minimum floor thickness: 2-1/4 in. (57.2)
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors
- Approved for use in the City of Chicago
- Not intended to be used in high traffic installations and not intended to support furniture

UL Listed Wiring Capacity

	S1R8PT Series		S1R8PT FF Series	
Fire Resistance Rating.	2-Hrs. (D900)		2-Hrs. (D900)	
Max. Copper Cross Section.	Perimeter Chambers (each) .0154 sq. in.	Center Chamber .0633 sq. in.	1 in. Power Hub .1304 sq. in.	2 in. Low Voltage Hub .0962 sq. in.

UL Characteristics

Listing	UL File Number		ULC File Number	
Outlet Box Fire Resistance	E31999 R8429		CEYYC R8429	

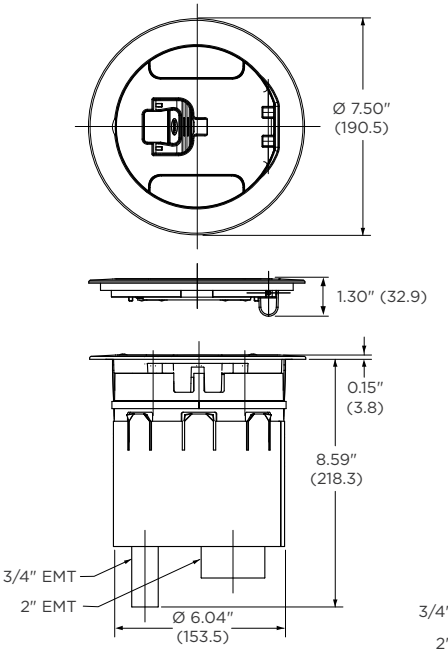
For use in 1, 1-1/2 or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings. When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC® fill tables. NEC® is a registered trademark of the National Fire Protection Association (NFPA).

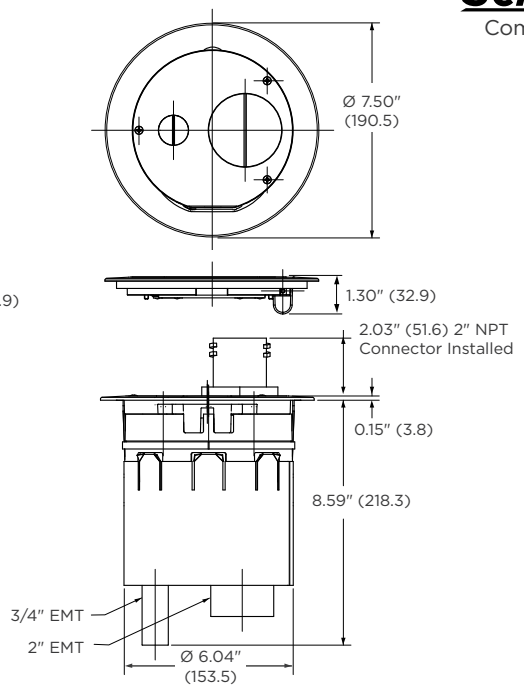
Dimensions in Inches (mm)

Hubbell SystemOne Recessed 6 Inch Series

S1R6PT Series - Recessed



S1R6PTFF Series - Furniture Feed



ScrubShield®
Complies with UL514A

Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes; additionally available in brushed aluminum or black powder coat
- S1R6SPZ Sub-Plate supplied with pre-wired dual 20A receptacle; wired with three #12 AWG solid conductors
- S1R6SPH Sub-Plate supplied with pre-wired quad 20A receptacle; wired with six #12 AWG solid conductors
- Receptacle can be wired as dual circuit and isolated ground
- S1R6FFCVR series furnished with one (1) 3/4 in. and one (1) 2 in. screw-in flexible metal conduit connectors
- Meets ADA requirements for accessible design, "changes in level"
- Meets UL 514A scrubwater exclusion requirements
- COVER LOAD RATING: 1,000 lbs. with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover; **rated for static loads only**

Application Data

- Mounted in 6 in. (152.4) cored concrete diameter through hole
- Minimum floor thickness: 2-1/4 in. (57.2)
- UL Listed for fire resistance in 1 – 2 hour rated D900 series floors
- Approved for use in the City of Chicago
- Not intended to be used in high traffic installations and not intended to support furniture

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

UL Listed Wiring Capacity

	S1R6PT Series		S1R6PTFF Series	
Fire Resistance Rating	2-Hrs. (D900)		2-Hrs. (D900)	
Max. Copper Cross Section	3/4 in. Power EMT .0307 sq. in.	2 in. Low Voltage EMT .0348 sq. in.	3/4 in. Power EMT .0815 sq. in.	2 in. Low Voltage EMT .0962 sq. in.

UL Characteristics

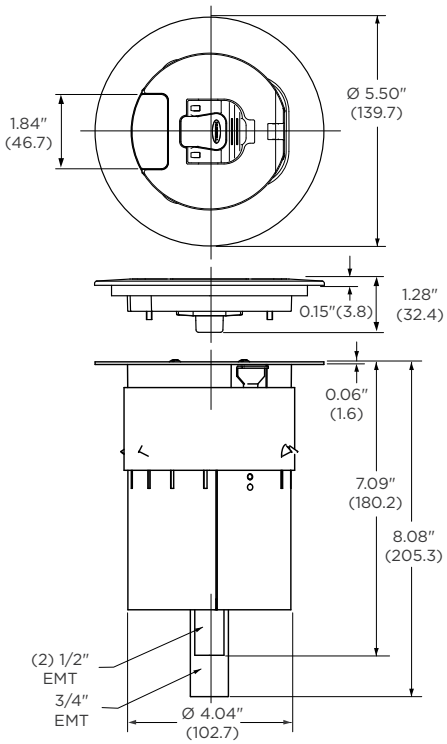
Listing	UL File Number		ULC File Number	
Outlet Box Fire Resistance	E31999 R8429		CEYYC R8429	

For use in 1, 1-1/2 or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs).UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

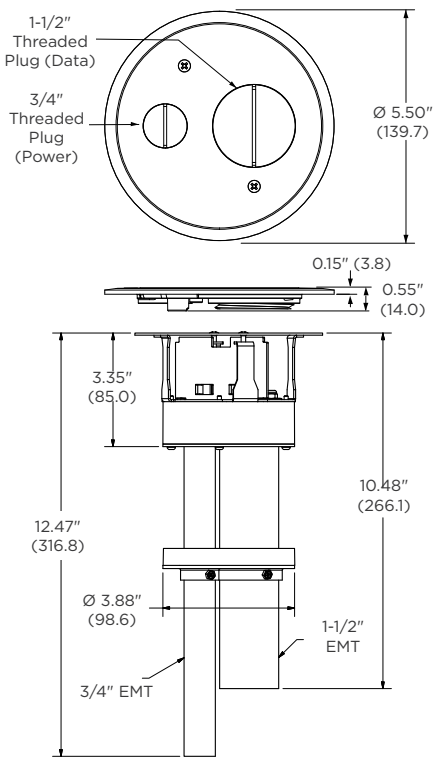
Note: The above product data pertains to both kitted units and through-floor fittings. When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC® fill tables. NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

S1R4PT Series



S1R4PT Series



ScrubShield® Complies with UL514A

Product Information

- Plated cast aluminum covers available in brass, nickel or bronze finishes; additionally available in brushed aluminum, black or gray powder coat
- S1R4SPQUAD Sub-Plate supplied with pre-wired quad 20A receptacle; wired with six #12 AWG solid conductors
- Receptacle can be wired as dual circuit and isolated ground
- Meets ADA requirements for accessible design, "changes in level."
- Meets UL 514A scrubwater exclusion requirements
- COVER LOAD RATING: 1,000 lbs. with 2x safety factor. Load applied through a 3 in. (76) dia. mandrel at the center of the cover; **rated for static loads only**

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole
- Minimum floor thickness: 2-1/4 in. (57.2)
- S1R4PT Series UL Listed for fire resistance in 1-2 hour rated D900 series floors
- S1R4PTFF & S1R4PTAV Series UL Listed for fire resistance in 1-4 hour rated D900 series floors
- Approved for use in the City of Chicago without junction box
- Not intended to be used in high traffic installations and not intended to support furniture

UL Listed Wiring Capacity

	S1R4PT Series		S1R4PTFF & S1R4PTAV Series	
Fire Resistance Rating.	2-Hrs. (D900)		4-Hrs. (D900)	
Max. Copper Cross Section.	3/4 in. Power EMT .0408 sq. in.	1/2 in. Low Voltage EMT .008 sq. in.	3/4 in. Power EMT .072 sq. in.	1-1/2 in. Low Voltage EMT .100 sq. in.

UL Characteristics

Listing	UL File Number		ULC File Number	
Outlet Box Fire Resistance	E31999 R8429		CEYYC R8429	

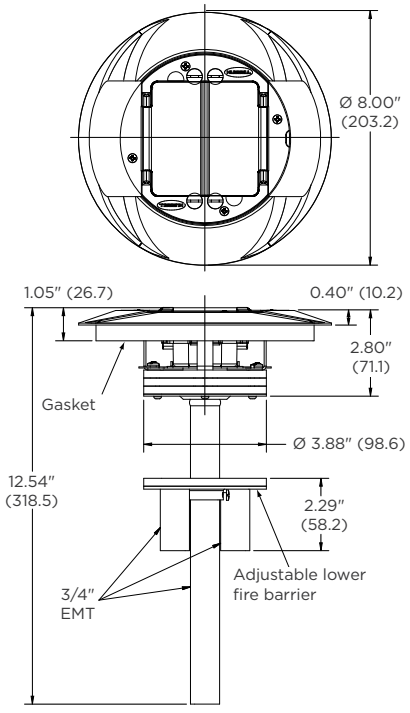
S1R4PT Series use in 1, 1-1/2 or 2 hour rated unprotected reinforced floors or 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). Also as applies to S1R4PTFF & S1R4PTAV Series except for 1-4 hours. UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both kitted units and through-floor fittings. When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC® fill tables. NEC® is a registered trademark of the National Fire Protection Association (NFPA).

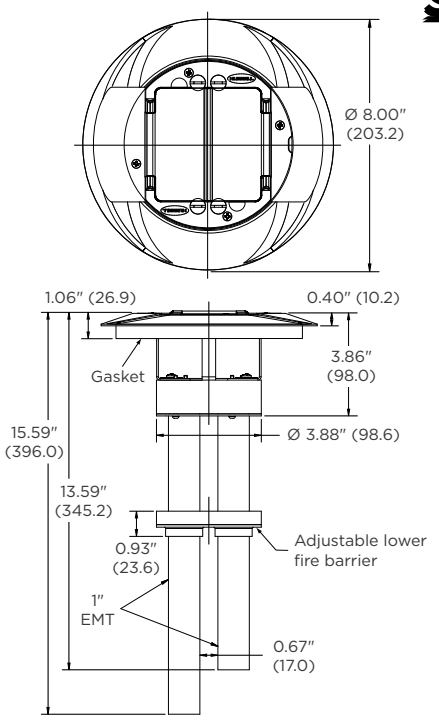
Dimensions in Inches (mm)

Hubbell SystemOne Flush 4 Inch Series

S1PT4X4 Series



S1PT Series



ScrubShield® Complies with UL514A

Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory)
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level"
- S1SP4X4 Sub-Plate supplied with pre-wired, molded, four position 20A, 125V, black receptacle, NEMA 5-20R
- S1SP4X4 wired with six thermally protected #14 AWG THHN stranded copper conductors, receptacle can be wired as dual-circuit and isolated ground
- S1SP4X4 accepts four (4) Hubbell HXJ6, HXJ5E, HXJU; category 6A, 6, 5e, and USOC, and flush series jacks
- S1SP Sub-Plate accepts two (2) 15A or 20A Style Line® decorator receptacles, Style Line® data frames, and/or one (1) GFCI or surge receptacle

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole
- Minimum floor thickness: 2-1/4 in. (57.2)
- UL Listed for fire resistance in 1 – 4 hour rated D900 series floors
- Approved for use in the City of Chicago
- Not intended to be used in high traffic installations and not intended to support furniture

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

UL Listed Wiring Capacity

	S1PT4X4 Series		S1PT Series	
Fire Resistance Rating	4-Hrs. (D900)		4-Hrs. (D900)	
Max. Copper Cross Section	3/4 in. Power EMT .0307 sq. in.	3/4 in. Low Voltage EMT .016 sq. in.	1 in. Power EMT .0307 sq. in.	1 in. Low Voltage EMT .024 sq. in.

UL Characteristics

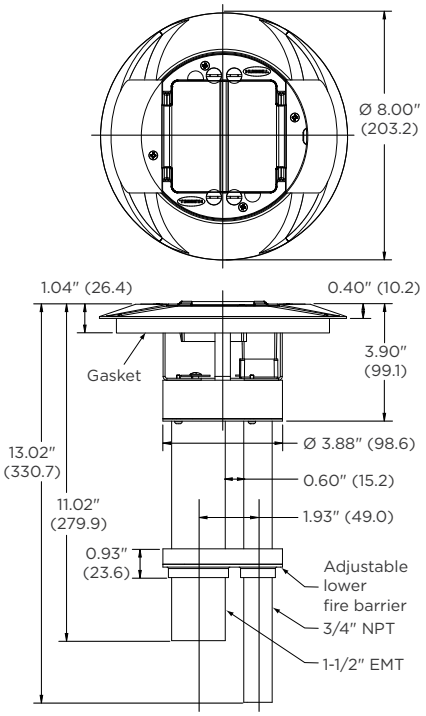
Listing	UL File Number		ULC File Number	
Outlet Box Fire Resistance	E31999 R8429		CEYYC R8429	

For use in 1, 1-1/2, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 1-1/2, 2, or 3 hour rated floors employing steel form units and concrete topping (D900 Series designs), or concrete floors with suspended ceilings.

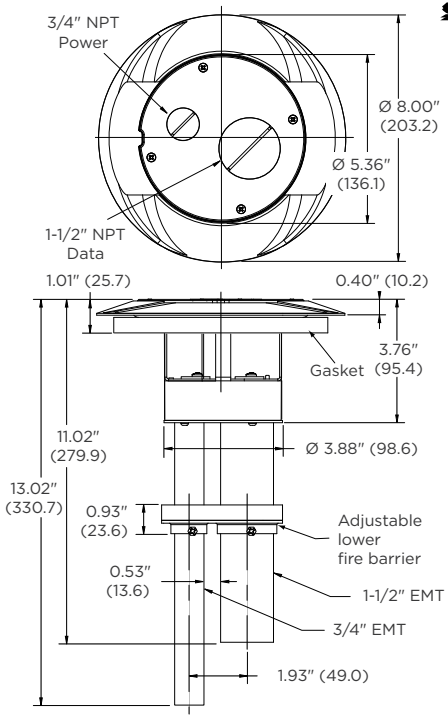
Note: The above product data pertains to both one-piece units, three-piece units and through-floor fittings. When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC® fill tables. NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

S1PTAVFIT and S1PT3IM Series



S1PTFF Series



ScrubShield® Complies with UL514A

Product Information

- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory)
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level"
- S1PTFF series aluminum conduit insert cover with one (1) 3/4 in. and one (1) 1-1/2 in. die-cast threaded plugs
- S1PTFF series furnished with one (1) 3/4 in. and one (1) 1-1/2 in. screw-in flexible metal conduit connectors
- S1PT3IM series Sub-Plate supplied with pre-wired single 20A 125V black receptacle, NEMA 5-20R
- S1PT3IM wired with three #12 AWG THHN stranded copper conductors
- S1PT3IM Sub-Plate also accepts three unit recessed Hubbell iSTATION; 15-Pin VGA, RCA, S-Video, 3.5 mm stereo and XLR microphone jacks
- Meets UL 514A scrubwater exclusion requirements

Application Data

- Mounted in 4 in. (101.6) cored concrete diameter through hole
- Minimum floor thickness: 2-1/4 in. (57.2)
- UL Listed for fire resistance in 1 – 4 hour rated D900 series floors
- Approved for use in the City of Chicago
- Not intended to be used in high traffic installations and not intended to support furniture

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

UL Listed Wiring Capacity

	S1PTAVFIT and S1PT3IM Series		S1PTFF Series	
Fire Resistance Rating.	4-Hrs. (D900)		4-Hrs. (D900)	
Max. Copper Cross Section.	3/4 in. Power EMT .0307 sq. in.	1/2 in. Low Voltage EMT .048 sq. in.	3/4 in. Power EMT .072 sq. in.	1-1/2 in. Low Voltage EMT .100 sq. in.

UL Characteristics

Listing	UL File Number		ULC File Number	
Outlet Box Fire Resistance	E31999 R8429		CEYYC R8429	

For use in 1, 1-1/2, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 1-1/2, 2, or 3 hour rated floors employing steel form units and concrete topping (D900 Series designs), or concrete floors with suspended ceilings.

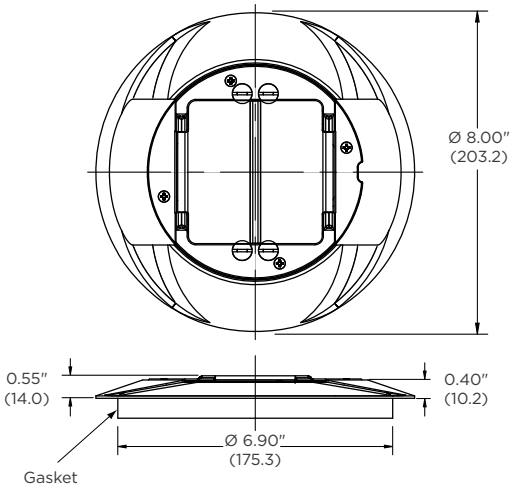
Note: The above product data pertains to both kitted units and through-floor fittings. When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC® fill tables. NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

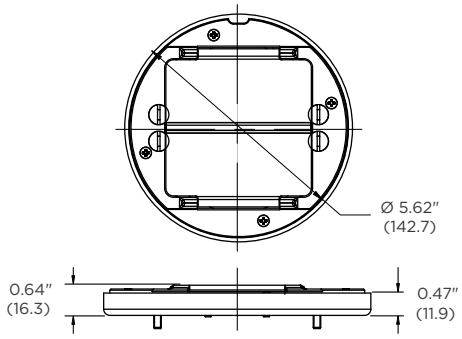
Hubbell SystemOne Flush 4 Inch Series

ScrubShield® Complies with UL514A

S1CFC and S1TFC Series

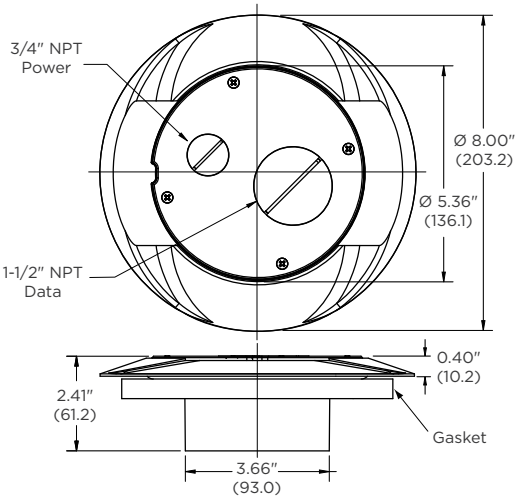


Carpet

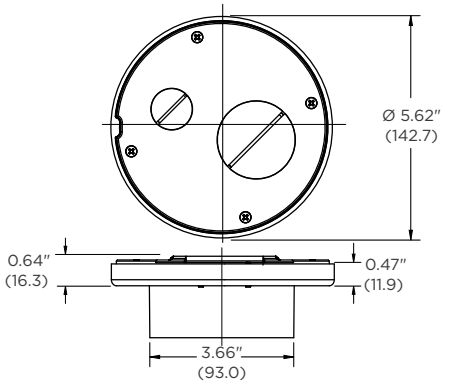


Tile

S1SPFF and S1SPFFT Series



Carpet



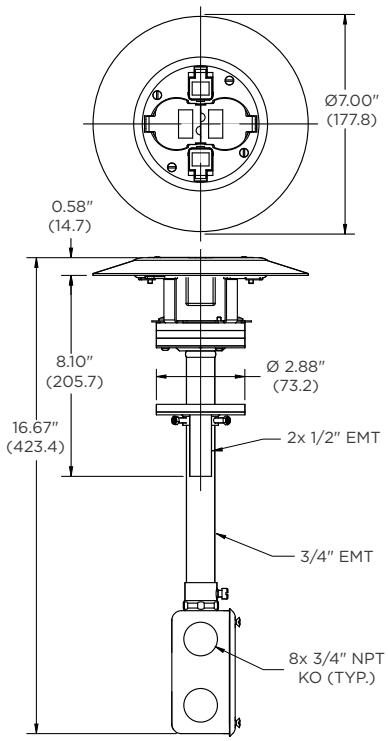
Tile

Product Information

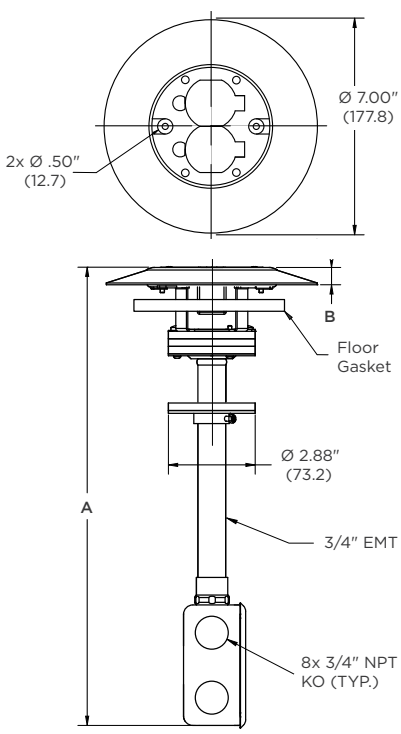
- Powder coat cast aluminum cover and flange (color finish options: aluminum, brass, black, gray and ivory)
- Hubbell SystemOne universal cover meets ADA requirements for accessible design, "changes in level"
- S1SPFF and S1SPFFT series aluminum conduit insert cover with one (1) 3/4 in. and one (1) 1-3/4 in. die-cast threaded plugs
- S1SPFF and S1SPFFT series furnished with one (1) 3/4 in. and one (1) 1-3/4 in. screw-in flexible metal conduit connectors
- Meets UL 514A scrubwater exclusion requirements

Dimensions in Inches (mm)

PT2X2 Series



PT7 Series



ScrubShield®
Complies with UL514A

Series	Dimension A	Dimension B
Thermoplastic cover with aluminum flange.	13.24 in. (336.2)	.51 in. (13.0)
Brass cover and flange.	13.20 in. (335.2)	.49 in. (12.4)

Product Information

- PT7 series supplied with flush thermoplastic cover with matching painted aluminum flange (black, brown, gray, ivory) or solid brass cover and flange
- PT2X2 series supplied with Hubbell pre-wired HBL2162BK; black Stye Line® or IG2162 (isolated ground) receptacle, NEMA 5-20R, 20A, 125V
- PT2X2 series supplied with two (2) Hubbell HXJ6BK black jacks; category 6, UL Listed, 110 type contacts
- PT7 series supplied with Hubbell pre-wired HBL5352 or IG5362 (isolated ground) series receptacle, NEMA 5-20R, 20A, 125V
- PT7 series supplied with two (2) 1/2 in. low voltage feed through holes; two (2) feed through bushings supplied (cover will not accept data jacks)
- Wired with three (3) #12 AWG THHN stranded copper conductors
- Supplied with 13.0 cu. in. junction box having eight (8) 3/4 in. knockouts

Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole
- Floor thickness range: 2-1/4 in. to 7 in. (57.2 to 177.8)
- UL Listed for fire resistance in 1 – 4 hour rated floors
- Approved for use in the City of Chicago (PT2X2 series)
- Not intended to be used in high traffic installations and not intended to support furniture

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

UL Listed Wiring Capacity

	PT2X2 Series		PT7 Series	
Fire Resistance Rating.	4-Hrs. (D900)		4-Hrs. (D900)	
Max. Copper Cross Section.	3/4 in. Power EMT .0155 sq. in.	1/2 in. in. Data EMT .0026 sq. in.	3/4 in. Power EMT .0155 sq. in.	Low Voltage EMT .0250 sq. in.

UL Characteristics

Listing	UL File Number		ULC File Number	
Outlet Box Fire Resistance	E31999 R8429		CEYYC R8429	

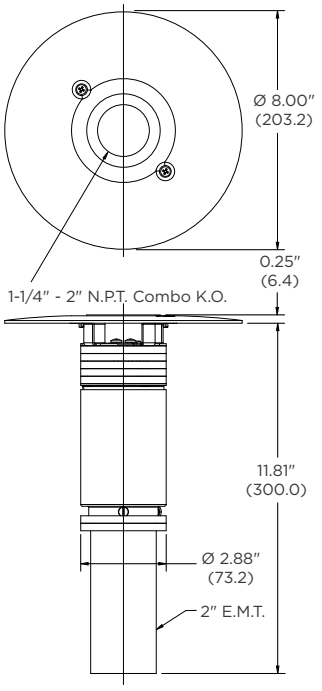
For use in 1, 1-1/2, 2, 3 or 4 hour rated unprotected reinforced floors or in 1, 2, or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC® fill tables. The above product data pertains to both one-piece units and through-floor fittings. NEC® is a registered trademark of the National Fire Protection Association (NFPA).

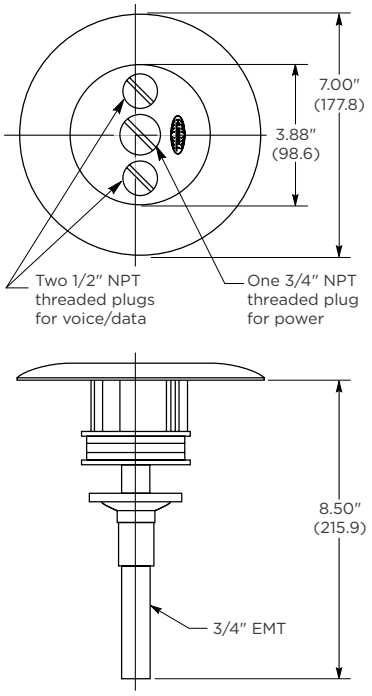
Dimensions in Inches (mm)

Hubbell 3 Inch Series

PT2FIT Series

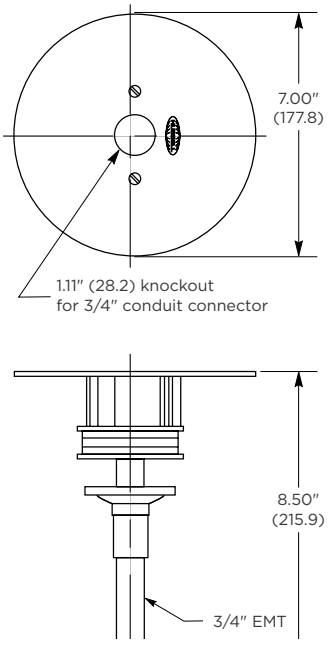


PT73FFSD Series



ScrubShield® Complies with UL514A

PT7FFSD Series



Product Information

PT2FIT series

- Flush aluminum service fitting with epoxy paint finish (gray, black and brass finish)
- Aluminum conduit cover with 2.47 in. (62.7) and 1.74 in. (44.2) combination knockouts to accept a 2 in. or 1-1/4 in. NPT flexible metal conduit connector

PT73FFSD series

- Flush painted aluminum service fitting and carpet flange (color finish options: black, gray and ivory)
- Aluminum conduit insert cover with one (1) 3/4 in. and two (2) 1/2 in. die-cast threaded plugs
- Supplied with one (1) 3/4 in. and two (2) 1/2 in. screw-in flexible metal conduit connectors

PT73FFSD series

- Flush aluminum service fitting with epoxy paint finish (color finish options: gray, ivory and brass finish)
- Aluminum conduit cover with 1.11 in. (28.2) knockout to accept a 3/4 in. NPT flexible metal conduit connector

Application Data

- Mounted in 3 in. (76.2) cored concrete diameter through hole
- Floor thickness range: 2-1/4 in. to 7 in. (57.2 to 177.8)
- PT2FIT series has single-service, power or data
- UL Listed for fire resistance in 1 – 2 hour (PT2FIT series) rated floors
- UL Listed for fire resistance in 1 – 4 hour (PT73FFSD and PT7FFSD series) rated floors
- Approved for use in the City of Chicago (PT2FIT series)
- Not intended to be used in high traffic installations and not intended to support furniture

Wire Size (AWG)	Copper Cross Sectional Area for Solid or Stranded Conductors
#24	.00032 sq. in. (.206mm²)
#23	.00040 sq. in. (.258mm²)
#22	.00050 sq. in. (.322mm²)
#14	.00323 sq. in. (2.083mm²)
#12	.00512 sq. in. (3.303mm²)
#10	.00815 sq. in. (5.258mm²)
# 8	.01296 sq. in. (8.361mm²)

UL Listed Wiring Capacity

	PT2FIT Series	PT73FFSD Series		PT7FFSD Series
Fire Resistance Rating	2-Hrs. (D900)	4-Hrs. (D900)		4-Hrs. (D900)
Max. Copper Cross Section	2 in. Power EMT .0922 sq. in.	3/4 in. EMT .0470 sq. in.	1/2 in. Feed Through .0250 sq. in.	3/4 in. EMT .0500 sq. in.

UL Characteristics

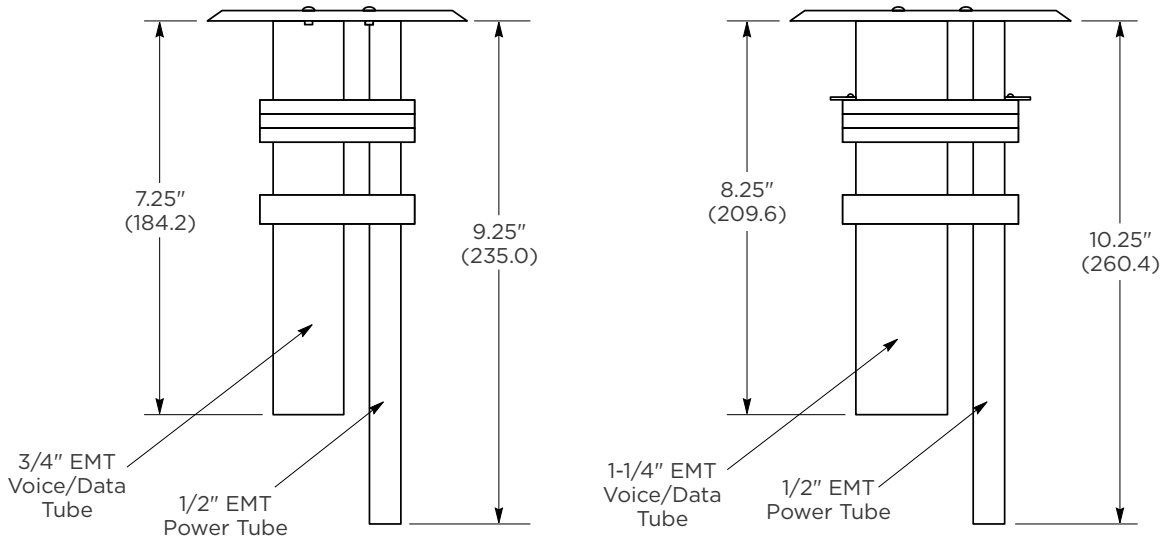
Listing	UL File Number		ULC File Number	
Outlet Box Fire Resistance	E31999 R8429		CEYYC R8429	

For use in 1, 1-1/2, or 2 hour rated unprotected reinforced floors or in 1 or 2 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. on center and not more than one unit per each 65 square feet of floor area in each span.

Note: The above product data pertains to both one-piece units and through-floor fittings. When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC® fill tables. NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

Pedestal Fitting Series



Applications	PT27A	PT7XC
Mounting.	2 in. (50.8) diameter hole.	3 in. (76.2) diameter hole.
Floor Thickness Range.	2-1/4 in. to 7 in. (57.2 to 177.8)	2-1/4 in. to 7 in. (57.2 to 177.8).
Fire Rating.	For use in 1, 1-1/2, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated employing steel floor units and concrete topping (D900 series design).	For use in 1, 1-1/2, 2, 3 or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 series design).
Service Pedestal Options.	FR280, FR480, FR680 Series.	FR480 and FR680 Series.

Note: Not intended to be used in high traffic installations and not intended to support furniture.

UL Listed Wiring Capacity

Power Wiring Capacity .	1/2 in. EMT power tube Handles: Up to ten #12 AWG type THHN wires, or Up to six #12 AWG and two #10 AWG type THHN wires.		1/2 in. EMT power tube Handles: Up to ten #12 AWG type THHN wires, or Up to six #12 AWG and two #10 AWG type THHN wires.	
Voice/Data Wiring Capacity.	3/4 in. EMT low-voltage tube Handles: Up to two 25 pair tel./data cables (100 #22 AWG tel./data conductors), or up to two IBM Type 2 data cables.		1-1/4 in. EMT low-voltage tube Handles: Up to four 25 pair tel./data cables (200 #22 AWG tel./data conductors), or up to five IBM Type 2 data cables and four 8-conductor tel./data cables.	
Total Allowable Copper Cross-Sectional Area.	1/2 in. Power EMT .0461 sq. in.	3/4 in. Low Voltage EMT .0500 sq. in.	1/2 in. Power EMT .0461 sq. in.	1-1/2 in. Low Voltage EMT .1000 sq. in.

When conductors larger than #22 AWG are used, the total cross-sectional area of the copper conductors shall not exceed the total cross-sectional area of the #22 AWG conductors permitted in the low voltage compartment

Note: When connecting conduit sweeps to through-floor fittings, ensure compliance with NEC® fill tables. NEC® is a registered trademark of the National Fire Protection Association (NFPA).

UL Characteristics

Listing	UL File Number	UL File Number
Outlet Box Fire Resistance	E31999 R8429	E31999 R8429

For use in 1, 1-1/2, 2, 3, or 4 hour rated unprotected reinforced concrete floors or in 1, 2 or 3 hour rated floors employing steel floor units and concrete topping (D900 Series designs). UL Spacing Restrictions - Minimum of 2 ft. O.C. and not more than one unit per each 65 sq. ft. of floor area in each span.

Chicago Approved

Catalog Number	City of Chicago File Number
PT27A, PT7XC	5587E

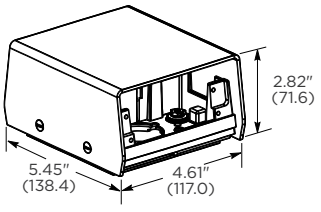
These through-floor fittings are approved for the City of Chicago. Installation requires a plenum-rated 1900 series box or a handy box with gasketed cover. These boxes are to be affixed with compression gland-type connectors.

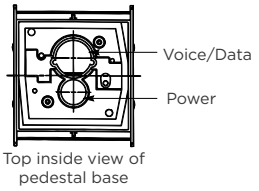
Dimensions in Inches (mm)

Painted and Brushed Aluminum Series

Dimensions

2-Gang – FR280 Series (Use with PT27A Only)

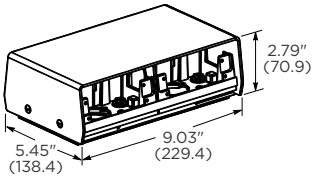


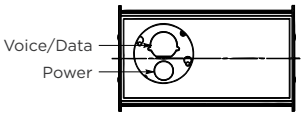


Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)	39.00 in. (638.8cm³)	
Cubic Inch Capacity (when divided for multi-service)	Power	19.5 in. (319.4cm³)
	Voice/Data	19.5 in. (319.4cm³)
Service Pedestal Construction	Heavy gauge galvanized steel frame with aluminum housing and face plates	
Pedestal Finish	Textured black or gray epoxy paint	

4-Gang – FR480 (Use with PT27A or PT7XC)

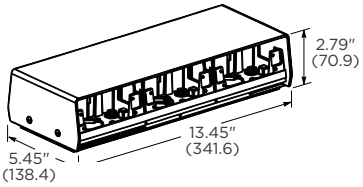


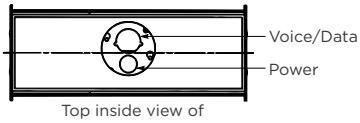


Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)	78.00 in. (1277.6cm³)	
Cubic Inch Capacity (when divided for multi-service)	Power	39.00 in. (638.8cm³)
	Voice/Data	39.00 in. (638.8cm³)
Service Pedestal Construction	Heavy gauge galvanized steel frame with aluminum housing and face plates	
Pedestal Finish	Textured black or gray epoxy paint	

6-Gang – FR680 (Use with PT27A or PT7XC)

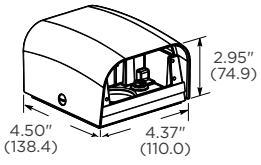


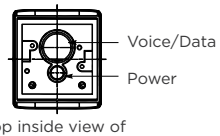


Top inside view of pedestal base

Total Cubic Inch Capacity (Single-Service)	117.00 in. (1916.4cm³)	
Cubic Inch Capacity (when divided for multi-service)	Power	58.5 in. (958.2cm³)
	Voice/Data	58.5 in. (958.2cm³)
Service Pedestal Construction	Heavy gauge galvanized steel frame with aluminum housing and face plates	
Pedestal Finish	Textured black or gray epoxy paint	

2-Gang – FR80AL (Use with PT7XC Only)





Top inside view of pedestal base

Total Cubic Inch Capacity (single service)	33.00 in. (540.9 cu cm³)	
Cubic Inch Capacity (when divided for multi-service)	Power	8.80 in. (144.2cm³)
	Voice/Data	26.70 in. (437.6cm³)
Service Pedestal Construction	Heavy gauge aluminum frame with satin anodized aluminum housing with 302/304 stainless steel face plates	
Pedestal Finish	Brushed	

Dimensions in Inches (mm)





Powered Seating Boxes



USB Charging Receptacles



Tri-Power Countertop Pop-Up Receptacle

Powered Seating Boxes S-3

USB Charging Receptacles
- Type-C, Type A&C and Type A S-4
- SNAPConnect® USB Charger S-5
- 4 Port and 2 Port, Switch Combo Outlets S-5

2X2 USB Work Surface Pop-Up Boxes S-5

PlugTrak® Raceway with USB Charger Outlets S-5

Surface Mount Countertop Receptacles S-6

Features and Benefits

Hubbell's On-the-Go Powered Seating Boxes fulfill customers' need for power accessibility. As the use of electronic devices has increased, the demand for charging has followed. Powered Seating Boxes provide an easy means of charging user's devices while meeting custom space requirements. Seating boxes can easily be attached to waiting area seating arrangements, conference tables, lecture halls, anywhere convenient power is needed.



On-the-Go Charging
Convenient Charging Stations



Housing Design

- Rugged design features satin aluminum construction body with impact-resistant polycarbonate end caps
- Make any furniture or seating area into a convenient charging station
- Available with up to 4 boxes per unit



Powered Seating Boxes

- Parallel module wiring keeps individual seating boxes from losing power up and downstream
- Push to reset circuit breaker—trip electronically and reset manually



Charging Power

- Fast charging speeds delivering up to 55 watts of charging power
- Power LED provides visual indication of power to the devices



Installation

- Security Torx-screw minimizes the potential for customers to open or tamper with units
- Hardwired permanently connected power and interconnecting cords
- Available with heavy-gauge durable powder coated steel mounting bracket



USB ports

- Smooth insertion tamper-resistant devices provide an extra level of safety to your customers
- Overcurrent protection—12 amp string and 5 amp individual module protection



Configurations

- Powered seating boxes are available in convenient bracketed configurations that easily attach to any flat surface
- Unbracketed configurations are also available





SP15USB1

Powered Seating Boxes

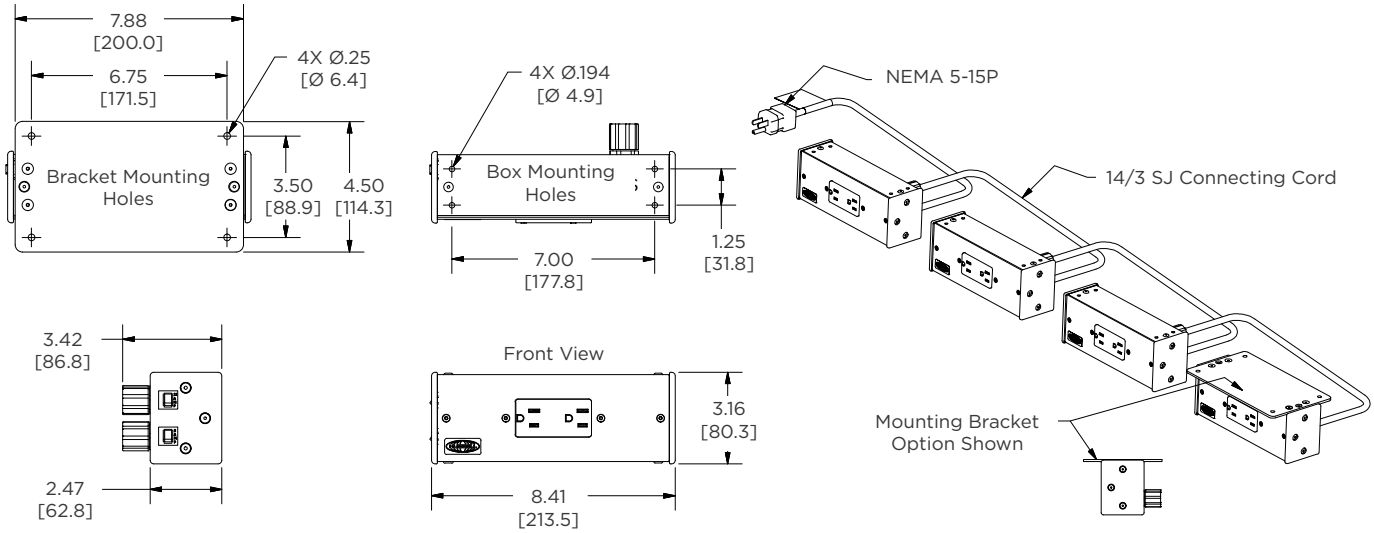
Description	Cord Length*	Boxes per Unit*	Without Mounting Bracket	With Mounting Bracket
Powered Seating Box with dual USB ports. (1) USB Type-A port: 5A,5V, and (1) Power Delivery USB Type-C port: 55W.	10 ft. power and 5 ft. connecting cords	1	**SP15USB1**	**SP15USB1B**
		2	**SP15USB2**	**SP15USB2B**
		3	**SP15USB3**	**SP15USB3B**
		4	**SP15USB4**	**SP15USB4B**

*Note: *Special constructions are available with up to 7 boxes and up to 25 ft. of power cord. Contact you local Hubbell representative for more information.*
Options for USB Type-C and hospital grade receptacles are also available.

Specifications

- UL, cULus
- Meets construction and safety testing standards for UL962A Furniture Power Distribution Units

Dimensions



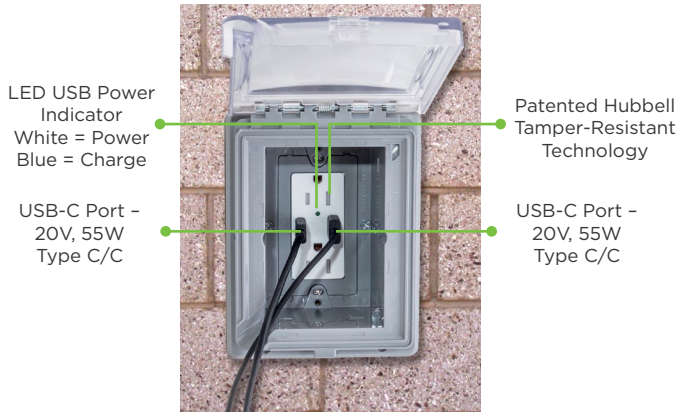
Dimensions in Inches (mm)

USB Charging Receptacles

Type-C • Type A&C • Type A

Hubbell USB Chargers are available in the new Type-C port, a combination unit with Type A&C, and the legacy Type A. All with the increase in power to a 5 Amp 5 Volt USB port adds capacity so that there is always ample current to support multiple device charging.

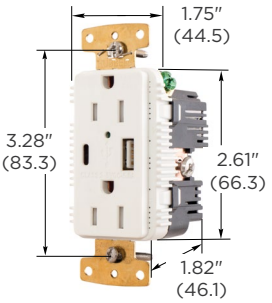
- Manufacturers are transitioning to a standardized Type-C port for phones, tablets, and other devices
- Compliant with USB BC1.2 battery charging and 3.0 power delivery; compatible with USB 2.0, 3.0 and 3.1 devices
- USB Type-C port is legacy USB Type A compatible (adapter cord - not included)
- Heavy duty stainless steel USB ports; rated for 10,000 cord insertions and removals
- Patented Hubbell tamper-resistant technology uses cam action shutters
- Weather-resistant receptacles, available only with Type A and C USB ports, meet Section 406.9 of the NEC®



Weather Resistant USB Charger Duplex Receptacles

Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle, one Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, tamper-resistant commercial grade USB ports rated 10,000 cycles.	Black	USB15AC5BKWR	USB20AC5BKWR
	Brown	USB15AC5WR	USB20AC5WR
	Gray	USB15AC5GYWR	USB20AC5GYWR
	Ivory	USB15AC5IWR	USB20AC5IWR
	Light Almond	USB15AC5LAWR	USB20AC5LAWR
	White	USB15AC5WWR	USB20AC5WWR
	Red	USB15AC5RWR	USB20AC5RWR

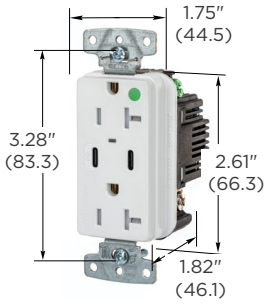
Note: Outdoor circuits should be GFCI protected per national and local electric codes.



USB15AC5WWR

Type-C USB Charger Duplex Receptacles

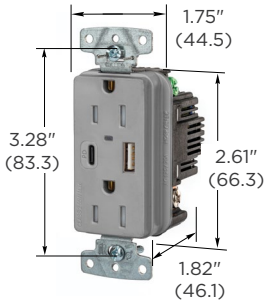
Description	Color	15A 125V	20A 125V
Hospital Grade USB Charger Receptacle, two Type-C port configurations, (1) USB-C Power Delivery port with up to 55W output and (1) USB-C convenience port 1.5A, 5V output, tamper-resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	USB8200CPDBK	USB8300CPDBK
	Brown	USB8200CPD	USB8300CPD
	Gray	USB8200CPDGY	USB8300CPDGY
	Ivory	USB8200CPDI	USB8300CPDI
	Light Almond	USB8200CPDLA	USB8300CPDLA
	Red	USB8200CPDR	USB8300CPDR
	White	USB8200CPDW	USB8300CPDW
Commercial Grade USB Charger Receptacle, two Type-C port configurations, (1) USB-C Power Delivery port with up to 55W output and (1) USB-C convenience port 1.5A, 5V output, tamper-resistant duplex receptacle,USB ports rated 10,000 cycles.	Black	USB15CPDBK	USB20CPDBK
	Brown	USB15CPD	USB20CPD
	Gray	USB15CPDGY	USB20CPDGY
	Ivory	USB15CPDI	USB20CPDI
	Light Almond	USB15CPDLA	USB20CPDLA
	White	USB15CPDW	USB20CPDW



USB8300CPDW

Type A-C USB Charger Duplex Receptacles

Description	Color	15A 125V	20A 125V
Hospital Grade USB Charger Receptacle, (1) USB-C Power Delivery port with up to 55W of output and (1) USB-Type A convenience port 1.5A, 5V output, tamper-resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	USB8200ACPDBK	USB8300ACPDBK
	Brown	USB8200ACPD	USB8300ACPD
	Gray	USB8200ACPDGY	USB8300ACPDGY
	Ivory	USB8200ACPDI	USB8300ACPDI
	Light Almond	USB8200ACPDLA	USB8300ACPDLA
	Red	USB8200ACPDR	USB8300ACPDR
	White	USB8200ACPDW	USB8300ACPDW
Commercial Grade USB Charger Receptacle, (1) USB-C Power Delivery port with up to 55W of output and (1) USB-Type A convenience port 1.5A, 5V output, tamper-resistant duplex receptacle, USB ports rated 10,000 cycles.	Black	USB15ACPDBK	USB20ACPDBK
	Brown	USB15ACPD	USB20ACPD
	Gray	USB15ACPDGY	USB20ACPDGY
	Ivory	USB15ACPDI	USB20ACPDI
	Light Almond	USB15ACPDLA	USB20ACPDLA
	White	USB15ACPDW	USB20ACPDW



USB15ACPDGY

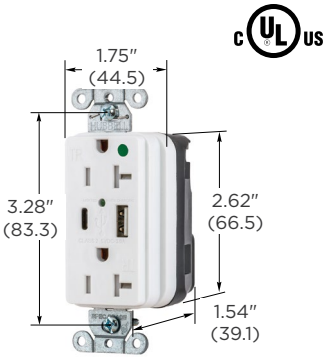
Note: See page Tech-10 for tamper-resistant description. See section P for wallplates.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

SNAPConnect® USB Charger Duplex Receptacles

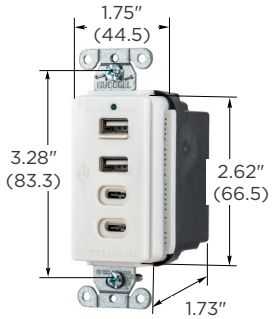
Description	Color	15A 125V AC	20A 125V AC
Hospital Grade SNAPConnect USB Charger, tamper-resistant Style Line® decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output.	Black Brown Gray Ivory Light Almond Red White	**SNAP8200UACBK** **SNAP8200UAC** **SNAP8200UACGY** **SNAP8200UACI** **SNAP8200UACLA** **SNAP8200UACR** **SNAP8200UACW**	**SNAP8300UACBK** **SNAP8300UAC** **SNAP8300UACGY** **SNAP8300UACI** **SNAP8300UACLA** **SNAP8300UACR** **SNAP8300UACW**
SNAPConnect USB Charger, tamper-resistant Style Line decorator duplex receptacle, 15 or 20 Amp, 125 Volt AC with one type A & one type-C USB port, 3 Amp up to 9 Volt USB output.	Black Brown Gray Ivory Light Almond White	**SNAP15UACBK** **SNAP15UAC** **SNAP15UACGY** **SNAP15UACI** **SNAP15UACLA** **SNAP15UACW**	**SNAP20UACBK** **SNAP20UAC** **SNAP20UACGY** **SNAP20UACI** **SNAP20UACLA** **SNAP20UACW**
Clear right angle terminal with 6 inch leads #12 AWG THHN/THWN-2; polycarbonate housing material.	Solid Stranded	**SNAP1RNA** **SNAP2RNA**	**SNAP1RNA** **SNAP2RNA**



SNAP8300UACW

4 Port USB Charger Outlets

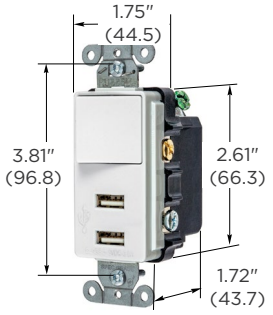
Description	Color	Catalog Number
USB Charger Outlets, 4 USB ports, two Type A & two Type-C ports, 5 Amp up to 9 Volt DC, Style Line decorator.	Black Brown Gray Ivory Light Almond White	**USB4ACBK** **USB4AC** **USB4ACGY** **USB4ACI** **USB4ACLA** **USB4ACW**



USB4W

Switch Combo Outlets

Description	Color	Catalog Number
Switch Combo Outlet, two USB type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line decorator.	Black Brown Gray Ivory Light Almond White	**USB102BK** **USB102** **USB102GY** **USB102I** **USB102LA** **USB102W**



USB102W

2X2 USB Work Surface Pop-Up Boxes, NEMA 5-15 Duplex Receptacle

Description	Finish	Catalog Number
15A 125V duplex receptacle with (2) USB charging ports, 5 foot long cord with NEMA 5-15 plug.	Brushed Aluminum Black Powder Paint White Powder Paint	**WSBUSB2X2AC5ALU** **WSBUSB2X2AC5BLK** **WSBUSB2X2AC5WHT**

Note: UL File Number E327832.


WSBUSB2X2AC5ALU

PlugTrak® Raceway with USB Charger Outlets

USB type 2.0 ports, 2.4 Amp, 5 Volt DC, 15 Amp, 125 Volt AC receptacles.

Material	Length	Ends	# of USB Ports	# of Single Receptacles	Color	Catalog Number
Steel	3 ft.	6 in. leads	2	2	Ivory	**HBL20GB312UIV**
Aluminium	3 ft.	6 in. leads	2	2	Aluminum	**HBLALU20GB312U**
Aluminium	6 ft.	6 in. leads	4	4	Aluminum	**HBLALU20GB612U**
Non-metallic	6 ft.	6 in. leads	4	8	Office White	**PT156112U***

*Note: *For additional colors add "BK" for Black or "W" for white.*


HBL20GB312UIV

HBLALU20GB612U

Dimensions in Inches (mm)

Surface Mount Countertop Receptacles

Hubbell's Pop-Up Receptacles for countertops provide a power source ideal for residential and commercial locations. Hubbell is the first to market a countertop receptacle listed under UL498 Section 146 Spill Test. Silicon gaskets built into the receptacle creates a water-resistant seal up to a half gallon of liquid.

Because Spills Happen

- Spill water tested
- Self sealing silicon gaskets at the face
- Watertight interior
- Waterproof countertop rated

Install With Ease

- Permanent installation ready for hardwire
- Accepts non-metallic sheathed cable and/or armored cable
- Suitable for 20 Amp circuit, end of line
- Push-down to pop-up function is rated for a minimum of 10,000 cycles
- Tower design ensures secure fitment
- RCT200 Pop-ups use a 3.47" hole
- RCT600 Tri-Power series requires a 4" installation hole

User Friendly

- Type A and C USB ports
- LED light indicates power to the ports
- Able to quickly and safely charge multiple devices simultaneously

Certified

- UL Listed for countertop installation (UL 498 Section 146-151)
- Meets NEC 406.5 (E) for countertop surfaces. Plug-in products are non-compliant
- QI CERTIFIED: Has passed rigorous independent lab tests







Tops in Black, White, and Grey

Surface Mount Countertop Receptacles

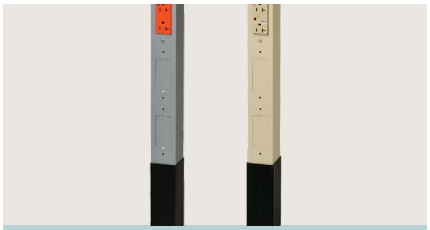
Flange Color		Top Color	15 AMP	20 AMP
	Nickel	Black, White, & Gray	**RCT600NI**	**RCT620NI**
	Aluminum	Black, White, & Gray	**RCT600ALU**	**RCT620ALU**
	Black	Black	**RCT600BK**	**RCT620BK**
	White	White	**RCT600W**	**RCT620W**
	Chrome	Black, White, Gray	**RCT600CH**	**RCT620CH**
	Bronze	Black, White, Gray	**RCT600BZE**	**RCT620BZE**
	Brass	Black, White, Gray	**RCT600BR**	**RCT620BR**

Dimensions in Inches (mm)





Two Duplex Receptacles or Blank Pole



Isolated Ground with and without Surge Suppression



GFCI Self Test Duplex Receptacles

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Features and Benefits T-3
Aluminum Series Offering. T-4
Custom Pole Configurations. T-5
Division 16 Specifications T-6

Products at a Glance



Two Duplex Receptacles or Blank Pole

- (2) 20A 125V Style Line® duplex receptacles; one circuit
- Available in three standard lengths: 10′ 2″, 12′ 2″ and 15′ 2″ to accommodate a variety of applications
- Available in five attractive durable paint colors: gray, ivory, black, white and office white painted or clear anodized aluminum finish to suit every need



Isolated Ground with and without Surge Suppression

- (1) Orange isolated ground 20A 125V Style Line duplex receptacle; (1) 20A 125V Style Line duplex receptacle; two circuits
- (2) Orange isolated ground 20A 125V Style Line duplex receptacles; (1) isolated ground surge suppression 20A 125V duplex receptacle; one circuit



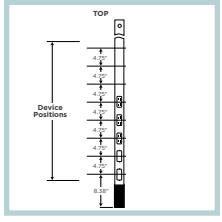
GFCI Self Test and Duplex Receptacles

- (1) 20A 125V GFCI Self Test duplex receptacle with (2) ground fault protected 20A 125V Style Line® duplex receptacles; one circuit



Adjustable T-Bar and Trim Kit

- Adjustable T-bar for mounting poles in the center of the ceiling tiles
- All service poles include ceiling trim plates, replacements also available in office white



Custom Pole Configurations

- Create your own custom service poles using the chart on page T-5



Features and Benefits

Hubbell offers a line of attractive and durable Aluminum Service Poles which distribute wiring from above the ceiling to workstations below.

They are offered in standard lengths of 10′ 2″, 12′ 2″ and 15′ 2″ with a variety of electrical wiring devices. Poles with three service capability have a divider to separate power and low voltage wiring.

Available in varying lengths and colors, custom options maximize space and allow workstations, retail checkout areas, collaboration areas, digital signage, vending machines, appliances and kiosks to be positioned away from the wall.

- Factory ordered custom pole lengths and configurations available for special applications
- UL Listed





Colors Available

- Available in five attractive durable paint colors: gray, ivory, black, white and office white painted and clear anodized aluminum finishes to suit every need



Accessories

- Each pole includes a ceiling trim mounting plate and bottom scuff boot



Black



Ivory



Gray



Office White



White



Clear Anodized Aluminum

Aluminum Series Offering

Three Service Aluminum Service Poles

Description	Color	10′ 2″ (3.10m)	12′ 2″ (3.71m)	15′ 2″ (4.62m)
(2) 20A 125V Style Line® duplex receptacles; one circuit.	Black	HBLPP10BK	HBLPP12BK	HBLPP15BK
	Gray	HBLPP10A	HBLPP12A	HBLPP15A
	Ivory	HBLPP10AI	HBLPP12AI	HBLPP15AI
	Office White	HBLPP10OW	HBLPP12OW	HBLPP15OW
	White	HBLPP10W	HBLPP12W	HBLPP15W
	Clear Anodized Aluminum	HBLPP10AAL	HBLPP12AAL	HBLPP15AAL
(1) Orange isolated ground 20A 125V Style Line duplex receptacle; (1) 20A 125V Style Line duplex receptacle; two circuits.	Black	HBLPP10IGBK	—	—
	Gray	HBLPP10IGA	—	—
	Ivory	HBLPP10IGAI	—	—
	Office White	HBLPP10IGOW	—	—
	White	HBLPP10IGW	—	—
	Clear Anodized Aluminum	HBLPP10IGAL	—	—
(2) Orange isolated ground 20A 125V Style Line® duplex receptacles; (1) isolated ground surge suppression 20A 125V duplex receptacle; one circuit.	Black	HBLPP10SBK	—	—
	Gray	HBLPP10SA	—	—
	Ivory	HBLPP10SAI	—	—
	Office White	HBLPP10SOW	—	—
	White	HBLPP10SW	—	—
	Clear Anodized Aluminum	HBLPP10SAL	—	—
(1) 20A 125V GFCI Self Test duplex receptacle with (2) ground fault protected 20A 125V Style Line duplex receptacles; one circuit.	Black	HBLPP10GFBK	HBLPP12GFBK	HBLPP15GFBK
	Gray	HBLPP10GF	HBLPP12GF	HBLPP15GF
	Ivory	HBLPP10GFI	HBLPP12GFI	HBLPP15GFI
	Office White	HBLPP10GFOW	HBLPP12GFOW	HBLPP15GFOW
	White	HBLPP10GFW	HBLPP12GFW	HBLPP15GFW
	Clear Anodized Aluminum	HBLPP10GFAL	HBLPP12GFAL	HBLPP15GFAL
Blank pole; divider; (4) Style Line device knockouts.	Black	HBLPPOBK	HBLPPO12BK	HBLPPO15BK
	Gray	HBLPPOA	HBLPPO12A	HBLPPO15A
	Ivory	HBLPPOAI	HBLPPO12AI	HBLPPO15AI
	Office White	HBLPPOOW	HBLPPO12OW	HBLPPO15OW
	White	HBLPPOW	HBLPPO12W	HBLPPO15W
	Clear Anodized Aluminum	HBLPPOAAL	HBLPPO12AAL	HBLPPO15AAL



HBLPP10AI



HBLPP10IGA

HBLPP10SAI

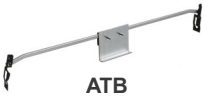


HBLPP10GFW

Accessories

Description	Catalog Number
Adjustable T-bar assembly for mounting poles in the middle of ceiling tile.	ATB*
Replacement service pole trim kit (office white).	PPTRIM1*
Replacement scuff boot.	HBLPPSB

*Note: *Not UL Listed.*

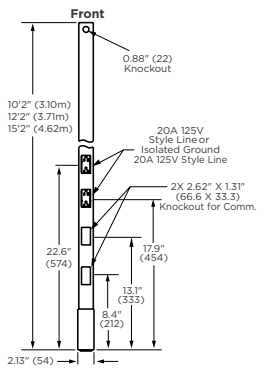


ATB

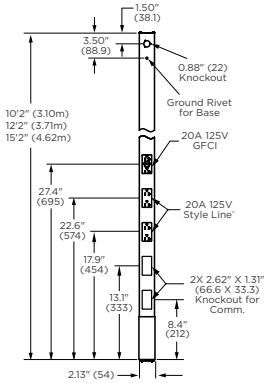


PPTRIM1

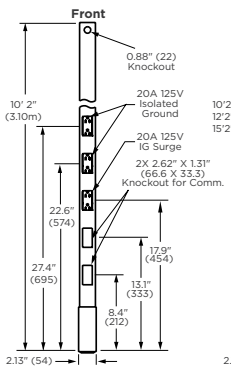
Dimensions



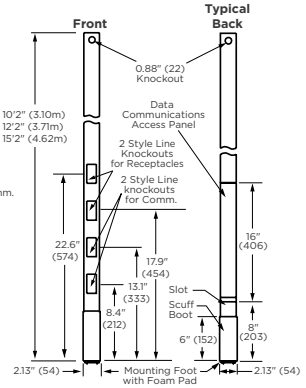
HBLPP10, HBLPP12, HBLPP15, HBLPP10IG



HBLPP10GF, HBLPP12GF, HBLPP15GF

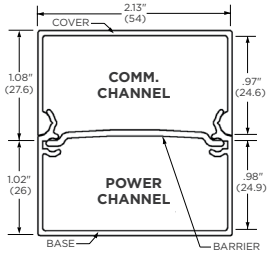


HBLPP10S



HBLPPO, HBLPPO12, HBLPPO15

Dimensions in Inches (mm)



Service Pole Cross Section

Using the chart below, you can create a custom service pole. For configurations that require additional customization, please consult Hubbell Technical Service at (475) 882-4800.

Position Selections

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
S	P	1	0	0	2	1	1	B	B	B	X	X	X	C	I

Example: SP100211BBBXXXCI

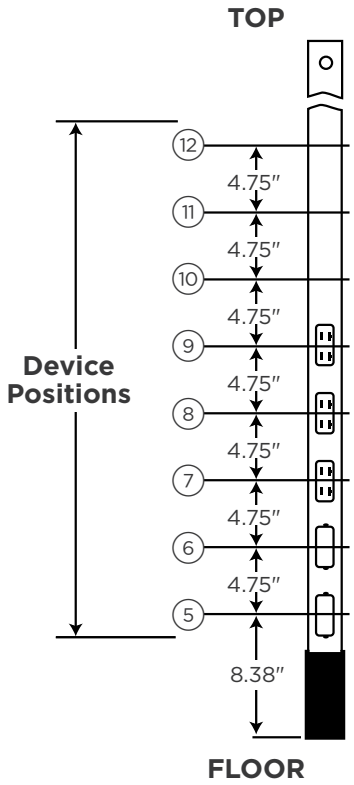
10 Feet 02 Inches, (2) Rectangular Style Line® Knockouts for Data, (3) DR20 Duplex Receptacles, (2) Circuits (First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2), Ivory.

Worksheet

Position Selections

		1	2	3	4	5	6	7	8	9	10	11	12	13	14
S	P														

Position 1 & 2: Height to the nearest foot.	08-22 Feet.
Position 3 & 4: Height in inches up to 11".	00-11 Inches.
Position 5, 6, 7, 8, 9, 10, 11, 12: Starting at **Position 5** Select Datacom Knockouts/Device Frames followed by Power Receptacle/Power Knockout options. If the service pole is power only, select receptacle options starting at **Position 5**. Empty **Positions** should be filled with an **"X"** to designate an empty field. *Note: If power receptacles are chosen, then power knockouts may not be chosen in the same service pole.*	**Data Selections** 1 - Rectangular Style Line Knockout. 3 - 3/4" NPT Knockout (1.109" diameter). 4 - 2-Port Style Line® Data Frame, 1-Gang, 2 Port Voice/Data Frame. 5 - 3-Port Style Line Data Frame, 1-Gang, 3 Port Voice/Data Frame. **Power Selections** 6 - Rectangular Style Line Knockout (for blank poles only). 8 - 3/4" NPT Knockout (1.109" diameter, for blank poles only). A - 5362, 20A, 125V AC, Duplex. B - DR20, 20A, 125V AC, Style Line Decorator Duplex. C - IG5362, 20A, 125V AC, I.G. Duplex. D - IG20DR, 20A, 125V AC, I.G. Style Line Decorator Duplex. E - HBL5461, 20A, 250V AC, Single. K - HBL5361, 20A, 125V AC, Single. L - HBL2310, 20A, 125V AC, Twist-Lock® Single. M - HBL2610, 30A, 125V AC, Twist-Lock Single. N - HBL2320, 20A, 250V AC, Twist-Lock Single. O - HBL2620, 30A, 250V AC, Twist-Lock Single. R - HBL4710, 15A, 125V AC, Twist-Lock Single. U - HBL5661, 15A, 250V AC, Single. W - HBL5462, 20A, 250V AC, Duplex. Z - Blank Device Position
Position 13: Power Circuits	Z - No Circuits (Should only be selected when the service poles has ONLY Data and/or Power knockouts). A - All devices on a single circuit. B - 2 Circuits, First Receptacle on Circuit #1, Remaining Receptacles on Circuit #2. C - 2 Circuits, First 2 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. D - 2 Circuits, First 3 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. E - 2 Circuits, First 4 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. F - 2 Circuits, First 5 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. G - 2 Circuits, First 6 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2. H - 2 Circuits, First 7 Receptacles on Circuit #1, Remaining Receptacles on Circuit #2.
Position 14: Color	I - Ivory. G - Gray. W - White. K - Black. A - Aluminum with clear anodized finish.



Dimensions in Inches (mm)

Part 2: Products

2.01 Manufacturer

A. The power poles specified herein for branch circuit wiring shall be Hubbell Service Poles as manufactured by Hubbell Inc., Wiring Device-Kellems® or approved equal. Other manufacturers may be considered equal if they meet the performance requirements of this specification and have received prior written approval.

2.02 Components/Accessories

A. The hardware for mounting Service Poles in the middle of a ceiling tile shall be Hubbell adjustable T-Bar type ATB with trim plate kit type PPTRIM1.

2.03 Materials

A. Standard and Custom Aluminum Service Poles

These Service Poles shall be extruded aluminum with a heavy gauge body (.050 ±.005 inches thick) to resist denting. These poles shall be two-channel to accommodate both power and low voltage services on the same side of the pole. Service poles shall be pre-wired with #12 AWG wire and equipped with specification grade Style Line® decorator receptacles (20A, 125V). These receptacles shall be Hubbell type DR20xx or an approved equal. The low voltage (back) channel of the service pole shall incorporate an access panel that provides a passageway to two Style Line communication knockouts located on the front of the pole.

Finish
Service Poles will include a painted or clear anodized finish.
Custom poles are available in Black, Gray, Ivory, Office White, White, and Clear Anodized Aluminum.

Heights
Standard Service Poles shall be available in three sizes to accommodate various ceiling heights: 10 ft. 2 in. (3.10m), 12 ft. 2 in. (3.71m) and 15 ft. 2 in. (4.62m). Custom Poles shall be available in a range of sizes, a configurator pole is 8 through 22 ft.
Other custom poles can be as short as 6 ft. through 22 ft.

10 ft. 2 in. (3.10m): Hubbell type HBLPP10BK, HBLPP10A, HBLPP10AI, HBLPP10OW, HBLPP10W, and HBLPP10AAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPP12BK, HBLPP12A, HBLPP12AI, HBLPP12OW, HBLPP12W, and HBLPP12AAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPP15BK, HBLPP15A, HBLPP15AI, HBLPP15OW, HBLPP15W, and HBLPP15AAL.
8-22 feet: Hubbell Custom Poles.

2. Isolated Ground
The following Service Poles contain one Hubbell isolated ground receptacle Hubbell #IG20DR and one #DR20, both 20A, 125V Style Line decorator receptacles (wired on separate circuits). Custom poles with a variety of receptacles may also include isolated ground type devices. 10 ft. 2 in. (3.10m): Isolated Ground; Hubbell Type HBLPP10IGBK, HBLPP10IGA, HBLPP10IGAI, HBLPP10IGOW, HBLPP10IGW, and HBLPP10IGAL.

3. Surge Suppression/Isolated Ground
The following Service Poles contain one Hubbell #IG5362xxSA (20A, 125V Surge/IG Style Line decorator duplex) and two #IG20DR (20A, 125V IG Style Line decorator duplex) receptacles. All receptacles are wired on the same circuit, therefore providing surge protection at each outlet. Custom poles with a variety of receptacle options may also include surge suppression. 10 ft. 2 in. (3.10m): With Surge; Hubbell Type HBLPP10SBK, HBLPP10SA, HBLPP10SAI, HBLPP10SOW, HBLPP10SW, and HBLPP10SAL.

4. GFCI
The following Service Poles contain one Hubbell #GFR20 (20A, 125V GFCI Self Test Style Line decorator duplex) and two #DR20 (20A, 125V Style Line decorator duplex) receptacles. All receptacles are wired on the same circuit, the two DR20 are GFCI protected by being wired to the load side of the GFR20.
10 ft. 2 in. (3.10m): Hubbell type HBLPP10GFBK, HBLPP10GF, HBLPP10GFI, HBLPP10GFOW, HBLPP10GFW, and HBLPP10GFAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPP12GFBK, HBLPP12GF, HBLPP12GFI, HBLPP12GFOW, HBLPP12GFW, and HBLPP12GFAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPP15GFBK, HBLPP15GF, HBLPP15GFI, HBLPP15GFOW, HBLPP15GFW, and HBLPP15GFAL.

5. Blank
The following Service Poles are two-channel and do not include receptacles or wiring. All poles include a barrier which starts between the second and third knockout positions from the bottom of the pole. Custom poles with or without a barrier are available as well.
10 ft. 2 in. (3.10m): Hubbell type HBLPPOBK, HBLPPOA, HBLPPOAI, HBLPPOOW, HBLPPOW, and HBLPPOAAL.
12 ft. 2 in. (3.71m): Hubbell type HBLPPO12BK, HBLPPO12A, HBLPPO12AI, HBLPPO12OW, HBLPPO12W, and HBLPPO12AAL.
15 ft. 2 in. (4.62m): Hubbell type HBLPPO15BK, HBLPPO15A, HBLPPO15AI, HBLPPO15OW, HBLPPO15W, and HBLPPO15AAL.

B. Voice/Data Interface

All Service Poles must allow for acceptance of Hubbell Style Line communication outlets.

Dimensions in Inches (mm)

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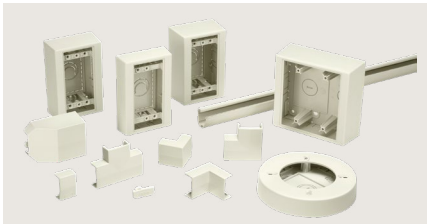
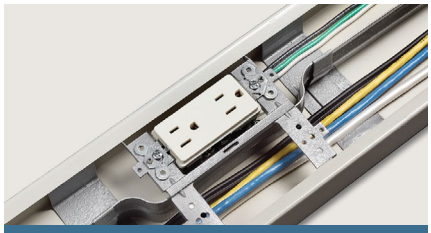


Non-Metallic Raceway



Pre-Wired Raceway

Metal Raceway

- Raceway Profiles - Quick Reference Guide U-2
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- HBL2000 and HBL2000A Series U-9
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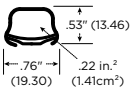
Raceway Profiles - Quick Reference Guide

Metal Raceway

Color - Ivory, Gray or White

HBL500
Ivory/White



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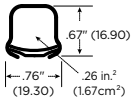
HBL700
Ivory/White



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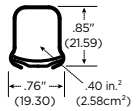
HBL750
Ivory/White



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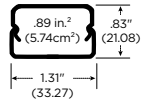
HBL2000/A
Ivory/Gray



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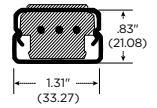
Metal PlugTrak®
Ivory/Gray



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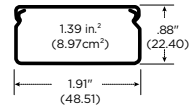
HBL2400
Ivory



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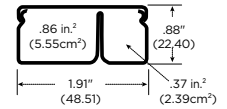
HBL2400D
Ivory



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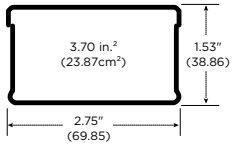
HBL3000*
Ivory/Gray



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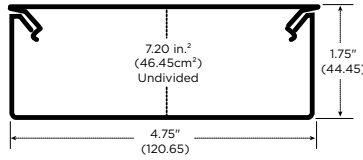
HBL4750*
Ivory/Gray



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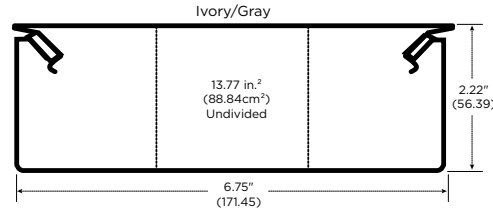
HBL6750*
Ivory/Gray



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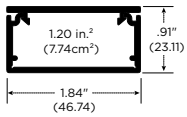
Aluminum Raceway

Color - Satin Anodized Finish

HBLALU2000



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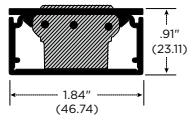
Aluminum PlugTrak®



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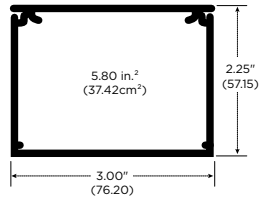
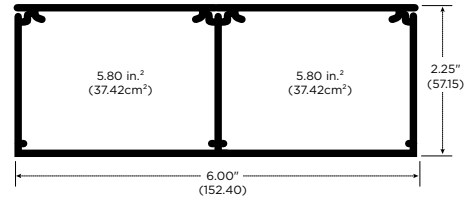
HBLALU3800*



Page U-38

HBLALU4800*



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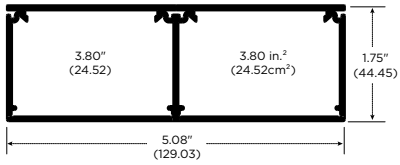
HBLALU5000*



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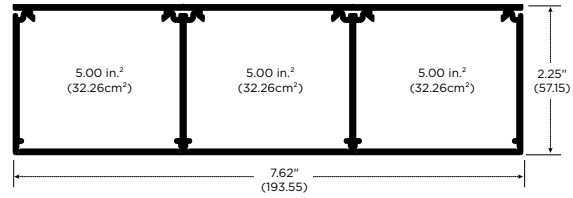
HBLALU7620*



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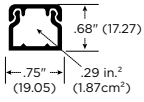
Non-Metallic Raceway

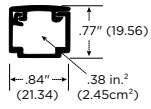
Color - Office White, White and Black

PT1



Page U-54

PP1



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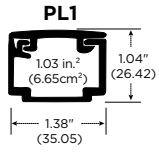
PL1



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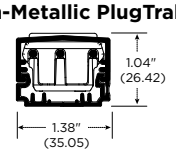
Non-Metallic PlugTrak®



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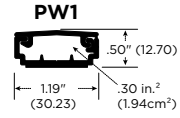
PW1



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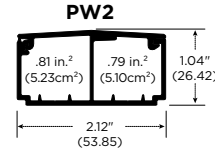
PW2



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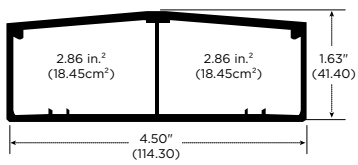
PB2*



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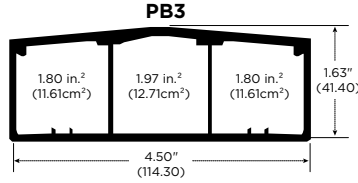
PB3



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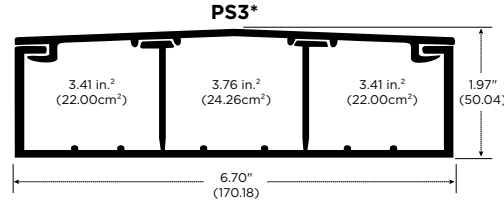
PS3*



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Dimensions in Inches (mm)

Note: Available in PRE-WIRED. Channel area in square inches (square centimeters).



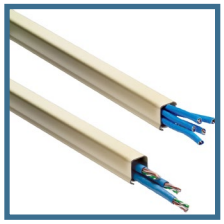
HBL500, HBL700 and HBL750 Series

- Hubbell's exclusive HBL750 Series adds an additional profile for data and electrical applications



Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a "clean" look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available; see page U-45 for selection



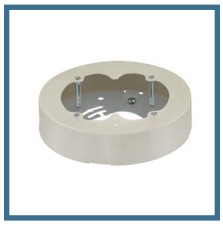
Enhanced Datacom Capabilities

- Capacity for up to five Category 5e, three Category 6, or two Category 6A cables
- Available with 1-1/2 in. (38.10mm) Category 6 and 6A bend radius fittings
- Largest single channel low profile raceway available in its class
- Ideal for datacom and oversized neutral applications



White Metal Raceway

- HBL500, HBL700 and HBL750 Series available in white
- Full line of product



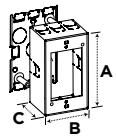
Retrofit Box for Fire Alarm Detectors

- Fits most manufacturers of audible alarm systems
- Compatible with HBL500, HBL700 and HBL750 Series Metal Raceway
- Available in white and ivory

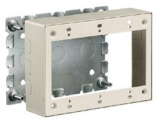
METAL AND NON-METALLIC RACEWAY

HBL500, HBL700, and HBL750 Series

Description	Color	Length	HBL500 Series	HBL700 Series	HBL750 Series
Base and Cover 10 ft. (3m) lengths, packed 100 ft. (30m) per carton. HBL5701C coupling furnished with each length.	Ivory	10 ft.	**HBL50010IV**	**HBL700IV**	**HBL75010IV**
	White	10 ft.	**HBL50010W**	**HBL700W**	**HBL75010W**
			A: .53″ (13.46) B: .76″ (19.30)	A: .67″ (16.90) B: .76″ (19.30)	A: .85″ (21.59) B: .76″ (19.30)



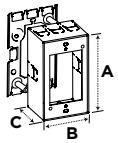







	Color	1-Gang	2-Gang	3-Gang	4-Gang	5-Gang	6-Gang
Standard	Ivory	**HBL5748IVA**	**HBL57482IVA**	**HBL57483IVA**	**HBL57484IVA**	**HBL57485IVA**	**HBL57486IVA**
	White	**HBL5748WA**	**HBL57482WA**	**HBL57483WA**	—	—	—
		A: 4.54″ (115.32) B: 2.82″ (71.63) C: 1.75″ (44.45)	A: 4.54″ (115.32) B: 4.64″ (117.86) C: 1.75″ (44.45	A: 4.54″ (115.32) B: 6.45″ (163.88) C: 1.75″ (44.45)	A: 4.54″ (115.32) B: 8.26″ (209.91) C: 1.75″ (44.45)	A: 4.54″ (115.32) B: 10.01″ (255.93) C: 1.75″ (44.45)	A: 4.54″ (115.32) B: 11.89″ (301.96) C: 1.75″ (44.45)
Shallow	Ivory	**HBL5747IVA**	**HBL57472IVA**	**HBL57473IVA**			
	White	**HBL5747WA**	**HBL57472WA**	—			
		A: 4.54″ (115.32) B: 2.82″ (71.63) C: 1.38″ (35.05	A: 4.54″ (115.32) B: 4.64″ (117.86) C: 1.38″ (35.05)	A: 4.54″ (115.32) B: 6.45″ (163.88) C: 1.38″ (35.05			
Deep	Ivory	**HBL5744SIVA**	**HBL5744S2IVA**	**HBL5744S3IVA**			
	White	**HBL5744SWA**	**HBL5744S2WA**	—			
		A: 4.54″ (115.32) B: 2.82″ (71.63) C: 2.25″ (57.00)	A: 4.54″ (115.32) B: 4.64″ (117.86) C: 2.25″ (57.00)	A: 4.54″ (115.32) B: 6.45″ (163.88) C: 2.25″ (57.00)			
Extra Deep	Ivory	**HBL5744IVA**	**HBL57442IVA**	**HBL57443IVA**			
	White	**HBL5744WA**	**HBL57442WA**	—			
		A: 4.54″ (115.32) B: 2.82″ (71.63) C: 2.75″ (69.85)	A: 4.54″ (115.32) B: 4.64″ (117.86) C: 2.75″ (69.85)	A: 4.54″ (115.32) B: 6.45″ (163.88) C: 2.75″ (69.85)			
	Base Trade	2- 1/2″	1 - 1/2″, 3/4″ Concentric	3 - 1/2″	4 - 1/2″	5 - 1/2″	6 - 1/2″
	Size KOs		1 - Rectangular				

Note: For datacom applications, box selection is dependent on depth of connectors (jacks). See pages U-45 and U-46 for datacom product selection, or visit our site at www.hubbell-wiring.com for our Full Line Catalog and additional information.









	Color	1-Gang	1-Gang Deep	1-Gang Blank	2-Gang	3-Gang
Extension Boxes	Ivory	**HBL5751IVA**	**HBL5751AIVA**	**HBL5760IVA**	**HBL57512IVA**	**HBL57513IVA**
	White	**HBL5751WA**	**HBL5751AWA**	—	—	—
		A: 4.54″ (115.32) B: 2.82″ (71.63) C: 1.38″ (35.05)	A: 4.54″ (115.32) B: 2.82″ (71.63) C: 1.75″ (44.45)	A: 4.54″ (115.32) B: 2.82″ (71.63) C: 1.13″ (28.70)	A: 4.54″ (115.32) B: 4.64″ (117.86) C: 1.38″ (35.05)	A: 4.54″ (115.32) B: 6.45″ (163.88) C: 1.38″ (35.05

Dimensions in Inches (mm)

1-Gang Specialty Boxes

2-Gang Specialty Boxes

Description	Color	1-Gang
Low Profile Switch/Receptacle Base has 1/2 in. trade size KOs.	Ivory White	**HBL5748SIVA** **HBL5748SWA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.13" (28.70)
Combination Switch/Recept Connects surface runs of 1/2 in. trade size conduit, one raceway twistout each side and three raceway twistouts top and bottom.	Ivory White	**HBL5745IVA** **HBL5745WA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)
Utility Box* For use as a tee, cross, pull box, junction box or blank box. Base has 1/2 in. trade size KOs.	Ivory White	**HBL57242IVA** **HBL57242WA** A: 4.12" (104.78) B: 2.00" (50.80) C: 1.39" (35.31)

Description	Color	2-Gang
Alarm Device Box Surface mounting of alarm devices and safety signals.	Ivory White Red	**HBL5752IVA** — **HBL5752RA**
Extra Deep Alarm Device Box For surface mounting of alarm devices and safety signals. Cover is 2.75 in. (69.85) deep.	Ivory White Red	**HBL5753IVA** — **HBL5753RA** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)
Distribution Box Twistouts permit three parallel raceway runs on each side. Cover takes devices with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00), 4.06 in. (103.00) and canopy fixture not larger than 4.63 in. (117.00). Can be used with HBL5736IV (blank cover) to create junction box.	Ivory White	**HBL5735IVA** — A: 4.54" (115.32) B: 4.64" (117.86) C: 1.38" (35.05)

*Note: *Use catalog number HBL5791 for connecting 1/2 in. EMT to HBL5745 and HBL57242 boxes.*

Shallow Round Boxes

Description	Color	4.75 inches O.D.	5.50 inches O.D.	6.38 inches O.D
Extension Box (Open Base) For mounting on 3.25 in. (83.00) or 4 in. (102.00) round or square conduit boxes or other recessed outlets. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00).	Ivory White	**HBL5737IVA** **HBL5737WA** A: 1.02" (26.00) B: 4.75" (120.65)	**HBL5737AIVA** — A: 1.02" (26.00) B: 5.50" (140.00)	**HBL5739AIVA** — A: 1.02" (26.00) B: 6.38" (162.01)
Fixture Box (Solid Base) To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00). Both boxes can be used as a pull or junction box when used with HBL5736IV/W (blank cover).	Ivory White	**HBL5738IVA** **HBL5738WA** A: 1.02" (26.00) B: 4.75" (120.65)	**HBL5738AIVA** **HBL5738AWA** A: 1.02" (26.00) B: 5.50" (140.00)	**HBL5739IVA** **HBL5739WA** A: 1.02" (26.00) B: 6.38" (162.01)

Specialty Round Boxes

Description	Color	Catalog Number
Outlet Box For devices with mounting screw centers of 1.47 in. (37.00), 1.63 in. (41.00), 1.69 in. (44.00) or 1.84 in. (46.00).	Ivory White	**HBL5733IVA** — A: 1.02" (26.00) B: 3.00" (76.00)
Fanbox with Solid Base Cover accepts fan bracket with mounting centers of 3.2 in. (81.00). Rated for fans and fixtures up to 50 lbs.	Ivory White	**HBL5738AFIVA** **HBL5738AFWA** A: .38" (9.75) B: 4.19" (106.30)
Retrofit Box for Fire Alarm Detectors For installing round alarm sensors.	Ivory White	**HBL5739AABIVA** **HBL5739AABWA** A: 1.62" (41.15) B: 6.50" (165.10)

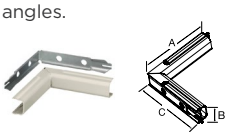
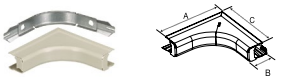
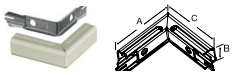
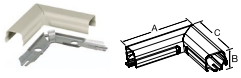
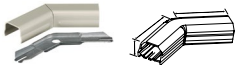
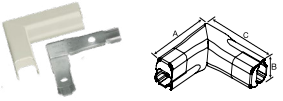
Round Covers

Description	Color	Catalog Number
Blank Cover For use with HBL5733IVA. Has 1/2 in. trade size KO in center.	Ivory White	**HBL5731IV** — A: .24" (6.10) B: 2.40" (60.96)
Blank Cover For use with HBL5735IVA, HBL5737IVA/WA, HBL5737AIVA/WA, HBL5739AIVA, HBL5738IVA/WA, HBL5738AIVA/WA and HBL5739IVA/WA. Has 1/2 in. trade size KO in center.	Ivory White	**HBL5736IV** **HBL5736W** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)

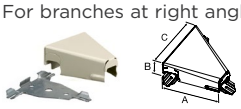
Dimensions in Inches (mm)

HBL500, HBL700, and HBL750 Series

Elbows

Description	Color	HBL500 Series	HBL700 and HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Internal Elbow For inside surfaces at right angles. 	Ivory White	**HBL517IV** **HBL517W** A: 3.33″ (84.51) B: .58″ (14.73) C: 3.33″ (84.51)	**HBL717IVA** **HBL717WA** A: 3.33″ (84.51) B: .90″ (22.86) C: 3.33″ (84.51)	**Internal Elbow Bend Radius** For inside surface at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory White	**HBL5717BRIVA** — A: 3.33″ (84.51) B: .91″ (23.11) C: 3.33″ (84.51)
External Elbow For outside surfaces at right angles. 	Ivory White	**HBL518IV** **HBL518W** A: 2.59″ (65.71) B: ..58″ (14.73) C: 2.59″ (65.71)	**HBL718IVA** **HBL718WA** A: 2.59″ (65.71) B: .90″ (22.86) C: 2.59″ (65.71)	**External Elbow Bend Radius** For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory White	**HBL5718BRIVA** — A: 4.86″ (123.43) B: .78″ (19.80) C: 1.35″ (34.28)
90° Flat Elbow For right angle turns on same surface. 	Ivory White	**HBL511IV** **HBL511W** A: 2.68″ (68.13) B: .61″ (15.50) C: 2.68″ (68.13)	**HBL711IVA** **HBL711WA** A: 2.68″ (68.13) B: .90″ (22.86) C: 2.68″ (68.13)	**Flat Elbow Bend Radius** For right angle turns requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory White	**HBL5711BRIVA** — A: 3.16″ (80.34) B: .91″ (23.11) C: 3.16″ (80.34)
45° Flat Elbow For diagonal 45° turns on same surface. 	Ivory White	**HBL512IV** — A: 2.46″ (62.61) B: .58″ (14.73) C: 2.46″ (62.61)	**HBL712IVA** — A: 2.70″ (68.49) B: .91″ (23.06) C: 2.70″ (68.49)	**Internal Twisted Elbows** For 90° twist with 90° turn. For double turn at right angles from one to another. From a flat run on a side wall to a flat run on a ceiling, edge of door or window trim. 	Ivory White	Right Elbow **HBL5711RHIVA** **HBL5711RHWA**
					Ivory White	Left Elbow **HBL5711LHIVA** **HBL5711LHWA** A: 2.98″ (75.72) B: .94″ (23.75) C: 3.00″ (76.20)

Tees

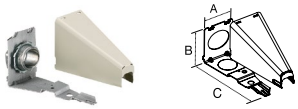
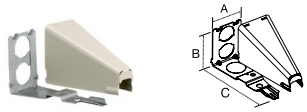
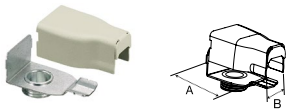
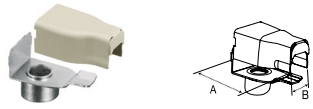
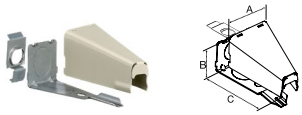
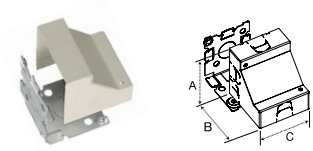
Description	Color	HBL500, HBL700 & HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Tee Fitting For branches at right angles. 	Ivory White	**HBL5715IVA** **HBL5715WA** A: 3.06″ (77.67) B: 1.14″ (28.86) C: 3.03″ (76.96)	**Tee Fitting Bend Radius** For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory White	**HBL5715BRIVA** — A: 5.55″ (140.88) B: .90″ (22.86) C: 3.16″ (80.34)

Fittings

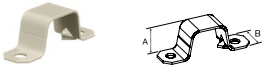
Description	Color	HBL500, HBL700 & HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Support Clip For supporting lengths of HBL500, HBL700 or HBL750 Raceway. 	Ivory White	**HBL5703IV** **HBL5703W** A: 2.51″ (63.75)	**Flexible Section** For getting around offsets, side bends, twisted turns or curved surfaces 	Ivory White	**HBL5700FIVA** **HBL5700FWA** A: 18.00″ (457.20)

Dimensions in Inches (mm)

End Fittings

Description	Color	HBL500, HBL700 & HBL750 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Entrance Connector One 3/4 in. KO for panel or conduit connection. One 3/4 in. chase nipple and locknut furnished. 	Ivory White	**HBL5786AIVA** **HBL5786AWA** A: 1.50″ (38.10) B: 1.84″ (46.74) C: 3.89″ (98.87)	**Adjustable Offset Connector** Two 1/2 in. KOs for panel or conduit connection. Eliminates offsetting raceway when connecting to surface type panel boxes. One 1/2 in. chase nipple and locknut furnished. 	Ivory White	**HBL5786IVA** **HBL5786WA** A: 1.50″ (38.10) B: 1.84″ (46.74) C: 3.89″ (98.87)
Elbow Box Connector For connecting raceway at right angles to conduit boxes, panel boxes, etc. having 1/2 in. nipple for trade size conduit. 	Ivory White	**HBL5783IVA** — A: 2.13″ (54.05) B: 1.24″ (31.50)	**Elbow Conduit Connector** For connecting raceway at right angles to 1/2 in. trade size conduit or armored cable connectors. 	Ivory White	**HBL5784IVA** — A: 2.13″ (54.05) B: 1.24″ (31.50)
Combination Connector For connecting raceway without offsetting to any 3.25 in. (83.00) or 4 in. (102.00) outlet box mounted on the surface with a KO for 1/2 in. trade size conduit. Spring steel bushing eliminates need for conduit nipple and locknut. 	Ivory White	**HBL5785AIVA** **HBL5785AWA** A: 1.50″ (38.10) B: 1.84″ (46.74) C: 3.89″ (98.87)	**Corner Box** For connecting HBL500, HBL700 or HBL750 Raceway from ceiling or corner. Each leg of base has 1/2 in. trade size KO. 	Ivory White	**HBL5719IVA** **HBL5719WA** A: 2.50″ (63.50) B: 2.50″ (63.50) C: 2.40″ (60.96)

Fittings

Description	Color	HBL500 Series	HBL700 Series	HBL750 Series
Transition Fitting For transitioning from either Wiremold® V500 to Hubbell HBL500 Raceway or Wiremold V700 to Hubbell HBL700 Raceway or Hubbell HBL750 Raceway. 	Ivory White	**HBL500TFIV** — A: .65″ (16.51) B: .89″ (22.61) C: 2.15″ (54.61)	**HBL700TFIV** — A: .78″ (19.80) B: .89″ (22.61) C: 2.15″ (54.61)	**HBL750TFIV** — A: .98″ (24.89) B: .89″ (22.61) C: 2.15″ (54.61)
Mounting Strap (one- or two-hole) For mounting HBL500, HBL700 or HBL750 Raceway to surface. Convert to one-hole by breaking off at score. 	Ivory White	**HBL504IV** **HBL504W** A: .58″ (14.73) B: .50″ (12.70)	**HBL7004IV** **HBL7004W** A: .70″ (17.68) B: .50″ (12.70)	**HBL7504IV** **HBL7504W** A: .90″ (22.86) B: .50″ (12.70)
Connection Cover To cover potential openings where two lengths of like raceways come together. 	Ivory White	**HBL506IV** **HBL506W** A: .60″ (15.24) B: .80″ (20.31)	**HBL7006IV** **HBL7006W** A: .69″ (17.40) B: .80″ (20.31)	**HBL7506IV** **HBL7506W** A: .91″ (23.10) B: .80″ (20.31)
Bushing Protect wires from potential abrasion. Fits into end of HBL500, HBL700 or HBL750 Raceway. 	Steel*	**HBL502B** A: .35″ (8.83) B: .70″ (17.68)	**HBL7002B** A: .49″ (12.50) B: .78″ (19.80)	**HBL7502B** A: .60″ (15.24) B: .70″ (17.68)

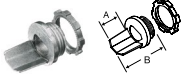
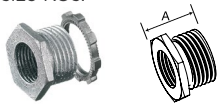
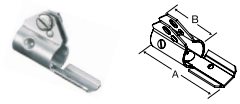
*Note: *Zinc Plated Steel.*

Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

HBL500, HBL700, and HBL750 Series

Fittings

Description	Material	HBL500, HBL700 & HBL750 Series		Description	Material	HBL500, HBL700 & HBL750 Series
Box Connector For connecting raceway to conduit boxes or panel boxes having KO for conduit. May also be used for conduit type fittings. 	Steel*	**HBL5781** 1/2" NPT (13) Male A: .75" (19.1) B: 1.24" (31.62)	**HBL5781A** 3/4" NPT (19) Male A: .75" (19.1) B: 1.24" (31.62)	**1/2 in. EMT Connector** For connecting raceway to conduit boxes or panel boxes having KO for conduit. 	Steel*	**HBL5791** A: 1.20" (30.48) B: 1.09" (27.70)
Conduit Connector For connecting raceway to conduit. 	Steel*	**HBL5782C** 1/2" NPT (13) Female A: .75" (19.1) B: 1.75" (44)	**HBL5782A** 3/4" (19.1) Female A: .75" (19.1) B: 1.75" (44)	**Coupling** For joining and supporting lengths of HBL500, HBL700 or HBL750 Raceway. 	Steel**	**HBL5701C** A: 2.00" (50.80)
Special Nipple For hanging or connecting either .375 in. (9.5) or .500 in. (12.7) fixtures to Hubbell fittings with 1/2 in. trade size KOs. 	Steel*	**HBL5780** A: .63" (16.00)		**Ground Clamp** Used to provide additional grounding of raceway or to ground remotely located devices. Attach ground wire to screw as required by National Electrical Code. 	Steel**	**HBL5709** A: 2.00" (50.80)
				Armored Cable Connector For connecting 14/2, 14/3, 12/2 and 12/3 "MC" and armored cable to Hubbell fittings. A short piece of HBL500, HBL700 or HBL750 Series Raceway must be used between this connector and the Hubbell fitting. Not for connection to 1/2 in. (12.7) flex conduit. 	Steel**	**HBL5790B** A: 2.00" (50.80) B: .99" (25.25)

*Note: *Zinc Plated Steel. **Galvanized Steel.*

Tools

Description	HBL500 Series	Description	Color	HBL500, HBL700 & HBL750 Series
Cutter Portable cutter for HBL500, HBL700 or HBL750 Series Raceways. 	**HBL605CUT**	**Raceway Bender** Portable bender for HBL500, HBL700 or HBL750 Series Raceways. 	Steel	**HBL600B**
Cutter Replacement Blade 	**HBL605K**	**Touch-Up Paint Pen** 	Ivory White	**HBLIWEP** **HBLWWEP**

Dimensions in Inches (mm)



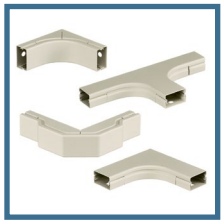
HBL2000A Raceway

- Cover is 0.040 in. (1.016mm) thick which allows up to 600V AC
- Higher capacity power applications (up to 26 #12 AWG wires)
- Available in cover only or base and cover options



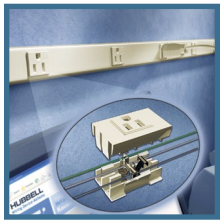
Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a “clean” look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available; see page U-45 for selection



Bend Radius Fittings

- 1-1/2 in. (38.10mm) bend radius
- Ideal for high speed data cables including Category 5, 5e, 6 and 6A applications

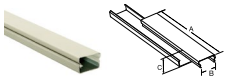


Metal PlugTrak® Featuring Exclusive Receptacle Design

- Gray or ivory scratch resistant finish
- Multiple spacing configurations
- Hubbell designed and manufactured single receptacle
- Insulation displacement wiring provides superior wire retention
- Mates with HBL2000 Series Metal Raceway
- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths
- Tamper-Resistant and USB versions available

HBL2000 and HBL2000A Series

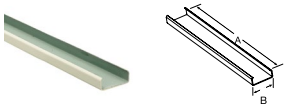
HBL2000 Series

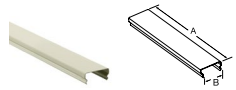
Description	Color	Catalog Number
Base and Cover (300V Rated) Cover is 0.025 in. (0.635) thick up to 300V AC applications. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. 	Ivory Gray	**HBL2000BCIV** **HBL2000BCGY** A: 60.00″ (1,524.00) B: 1.31″ (33.27) C: .83″ (21.08)

HBL2000A Series

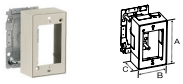
Description	Color	Catalog Number
Base and Cover (600V Rated) Cover is 0.040 in. 1.016) thick up to 600V AC or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. 	Ivory Gray	**HBL2000BCAIV** **HBL2000BCAGY** A: 60.00″ (1,524.00) B: 1.31″ (33.27) C: .83″ (21.08)

Base and Cover

Description	Color	Catalog Number
5 Ft. Base Only For use with HBL2000 and HBL2000A raceway. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. 	Ivory Gray	**HBL2000B5IV** **HBL2000B5GY** A: 60.00″ (1,524.00) B: 1.31″ (33.27)

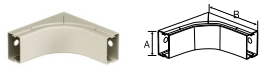
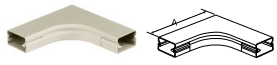
Description	Color	Catalog Number
5 Ft. Cover Only (300V Rated) Cover is 0.025 in. (0.635) thick. Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL2000CIV** **HBL2000CGY** A: 60.00″ (1,524.00) B: 1.31″ (33.27)
5 Ft. Cover Only (600V Rated) Cover is 0.040 in. (1.016) thick up to 600V AC or higher capacity power applications (up to 26 #12AWG wires). Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. 	Ivory Gray	**HBL2000CAIV** **HBL2000CAGY** A: 60.00″ (1,524.00) B: 1.31″ (33.27)

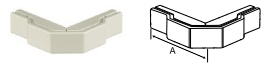
Device Boxes

Description	Color	Catalog Number
1-Gang Device Box For deep switches and receptacles. Base has one 1/2 in. trade size KO and rectangular KO for extension to wall box. 	Ivory Gray	**HBL2048IV** **HBL2048GY** A: 4.54″ (115.32) B: 2.82″ (71.63) C: 1.75″ (44.45)

Description	Color	Catalog Number
2-Gang Device Box For deep switches and receptacles. Base has one 1/2 in. trade size KO and rectangular KO for extension to wall box. 	Ivory Gray	**HBL20482IV** **HBL20482GY** A: 4.54″ (115.32) B: 4.64″ (117.86) C: 1.75″ (44.45)

Elbows and Tees

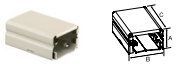
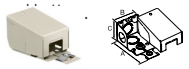
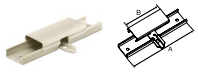
Description	Color	Catalog Number
Internal Elbow Bend Radius For inside surface at right angles requiring a 1.5″ (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory Gray	**HBL2017BRIV*** **HBL2017BRGY*** A: .85″ (21.56) B: 3.47″ (88.11)
Flat Elbow Bend Radius For branches at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory Gray	**HBL2011BRIV*** **HBL2011BRGY*** A: 4.29″ (109.03)

Description	Color	Catalog Number
External Elbow Bend Radius For outside surfaces at right angles requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory Gray	**HBL2018BRIV*** **HBL2018BRGY*** A: 5.11″ (129.72)
Tee Fitting Bend Radius For branches at right angles. Couplings furnished. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory Gray	**HBL2015BRIV*** **HBL2015BRGY*** A: 7.35″ (186.78) B: 4.33″ (110.00)

*Note: *HBL2001C couplings included. **Galvanized Steel.*

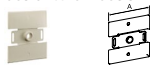
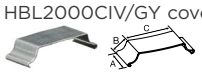
Dimensions in Inches (mm)

End Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Transition Fitting For transitioning from Wiremold® 2000 Raceway to Hubbell HBL2000 Raceway. 	Ivory Gray	**HBL2000TFIV** — A: .82" (20.71) B: 1.38" (35.12) C: 2.04" (51.82)	**Entrance End Fitting** For connecting HBL2000 Raceway with one 1/2 in. conduit and armored cable connectors. 	Ivory Gray	**HBL2010A2IV** **HBL2010A2GY** A: 3.01" (76.45) B: 1.30" (33.02) C: 1.49" (37.85)
Blank End Fitting For closing open end of HBL2000 Raceway. 	Ivory Gray	**HBL2010BIV** **HBL2010BGY** A: .78" (19.94)	**Large Capacity Entrance End Fitting** Offers larger capacity than HBL2010A2IV/GY. One 1/2 in. trade size KO on each side, 1/2 in. and 3/4 in. concentric KOs on end 	Ivory Gray	**HBL2010A3IV** **HBL2010A3GY** A: 3.69" (93.80) B: 2.02" (51.18) C: 1.79" (45.36)
End Reducing Connector For connecting HBL2000 Raceway to HBL500 Raceway through end of HBL2000 Raceway. 	Ivory	**HBL2089EIV** A: .78" (19.81)	**Side Reducing Connector** For connecting HBL2000 Raceway to HBL500 Raceway through side of HBL2000 Raceway. 	Ivory	**HBL2089IV*** A: 6.00" (152.40) B: 3.25" (82.55)

*Note: *HBL2001C couplings included. **Galvanized Steel.*

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Cover Clip Use to cover potential openings where two pieces of HBL2000 Raceway cover come together. 	Ivory Gray	**HBL2006IV** **HBL2006GY** A: .75" (19.05)	**Flush Plate Adaptor** For feeding HBL2000 Raceway from an existing wall outlet. 1/2 in. threaded stud with steel locknut for grounding. 	Ivory Gray	**HBL2051HIV** **HBL2051HGY** A: 4.50" (114.30)
Wire Clip For holding conductors in place in the raceway base. For use with HBL2000CIV/GY cover only. 	Steel**	**HBL2000WC** A: .44" (11.18) B: .24" (6.03) C: 1.24" (31.50)	**Wire Clip** For holding conductors in place in the raceway base. For use with HBL2000CAIV/GY cover only. 	Steel**	**HBL2000WCA** A: .44" (11.18) B: .60" (15.17) C: 1.24" (31.50)
Coupling For joining lengths of HBL2000 Raceway. 	Steel**	**HBL2001C** A: 2.00" (50.80)	**Supporting Clip** For temporarily supporting lengths of HBL2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening. 	Steel**	**HBL2003SC** A: 2.00" (50.80)
Ground Clamp For connection of equipment grounding conductor to provide an additional ground to raceway. Galvanized steel. 	Steel**	**HBL2009GC** A: 1.00" (25.64)	**Internal Corner Coupling** For Jointing (2) lengths of HBL2000 raceway along an internal radius corner. 	Steel**	**HBL2017TC**

Tools

Description	Catalog Number	Description	Color	Catalog Number
Cutter Portable cutter for HBL2000 Series Raceway (not for use with HBL2000A series). 	**HBL620C**	**Touch-Up Paint Pen** 	Ivory Gray	**HBLIWEP** **HBLGWEP**
Cutter Replacement Blade Set 	**HBL620BCK**			

Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

Metal PlugTrak® Series

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.





USB



Tamper-Resistant

Amp	Circuits	Single Recept.	USB Ports	Receptacle Spacing(in.)	Ivory	Gray
3 Foot						
15	Single	6	–	6	**HBL20GB306IV**	**HBL20GB306GY**
15	IG/Single	6	–	6	**HBL20IG306IV**	**HBL20IG306GY**
15	TR/Single	6	–	6	**HBL20GB306IVTR**	**HBL20GB306GYTR**
15	USB/Single	2	2	12	**HBL20GB312UIV**	–
20	Single	6	–	6	**HBL24GB306IV**	**HBL24GB306GY**
5 Foot						
15	Single	10	–	6	**HBL20GB506IV**	**HBL20GB506GY**
15	IG/Single	5	–	12	**HBL20IG512IV**	**HBL20IG512GY**
15	TR/Single	5	–	12	**HBL20GB512IVTR**	**HBL20GB512GYTR**
20	Single	10	–	6	**HBL24GB506IV**	**HBL24GB506GY**
20	Single	5	–	12	**HBL24GB512IV**	**HBL24GB512GY**
20	Two	5	–	12	**HBL24GBA512IV**	**HBL24GBA512GY**
20	TR/Single	5	–	12	**HBL24GB512IVTR**	**HBL24GB512GYTR**
6 Foot						
15	Single	12	–	6	**HBL20GB606IV**	**HBL20GB606GY**
15	Single	8	–	9	**HBL20GB609IV**	**HBL20GB609GY**
15	Single	6	–	12	**HBL20GB612IV**	–
15	Single	4	–	18	**HBL20GB618IV**	**HBL20GB618GY**
15	Two	6	–	12	**HBL20GBA612IV**	**HBL20GBA612GY**
20	Single	12	–	6	**HBL24GB606IV**	**HBL24GB606GY**
20	Single	6	–	12	**HBL24GB612IV**	**HBL24GB612GY**
20	Single	4	–	18	**HBL24GB618IV**	**HBL24GB618GY**
20	Two	6	–	12	**HBL24GBA612IV**	**HBL24GBA612GY**
20	Two	4	–	18	**HBL24GBA618IV**	**HBL24GBA618GY**



Portable

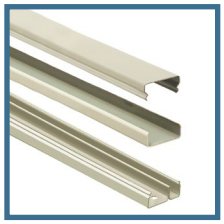
Amp	Circuits	Length (in.)	Cord Length (ft.)	Single Recept.	USB Ports	Ivory	Gray
15	Single	40	6	6	–	**HBL20C215IV**	**HBL20C215GY**
15	Single	64	6	10	–	**HBL20C315IV**	**HBL20C315GY**

Note: IG = Isolated Ground, TR = Tamper-Resistant and U = USB. Hubbell Metal PlugTrak is supplied with two HBL2010BIV/GY blank end fittings and one HBL2001C coupling. Catalog number suffix "IV" for ivory finish and "GY" for gray finish. Outlets match raceway color. "IG" Isolated ground receptacles have orange triangles. Portable PlugTrak includes 15A circuit breaker.

Description	Color	Catalog Number
1-Gang Device Box. 	Ivory Gray	**HBL2048IV** **HBL2048GY**
2-Gang Device Box. 	Ivory Gray	**HBL20482IV** **HBL20482GY**
External Elbow. 	Ivory Gray	**HBL2018BRIV** **HBL2018BRGY**
Flat Elbow. 	Ivory Gray	**HBL2011BRIV** **HBL2011BRGY**
Tee. 	Ivory Gray	**HBL2015BRIV** **HBL2015BRGY**
Entrance End Fitting. 	Ivory Gray	**HBL2010A2IV** **HBL2010A2GY**
Large Entrance End Fitting. 	Ivory Gray	**HBL2010A3IV** **HBL2010A3GY**
Blank End Fitting. 	Ivory Gray	**HBL2010BIV** **HBL2010BGY**
Cover Clip. 	Ivory Gray	**HBL2006IV** **HBL2006GY**
Supporting Clip. 	Steel**	**HBL2003SC***
Coupling. 	Steel**	**HBL2001C**
Internal Corner Coupling. 	Steel**	**HBL2017TC**

*Note: *Support clip HBL2003SC for supporting Portable Metal PlugTrak only.*
***Galvanized Steel.*
See pages U-10 and U-11 for additional information.

Dimensions in Inches (mm)



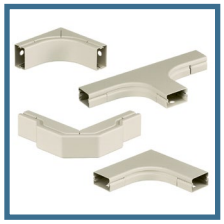
HBL2400 and HBL2400D Raceway

- Increased capacity, over HBL2000 Series Raceway
- Divided base allows for dual services within one raceway profile



Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a “clean” look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available; see page U-45 for selection

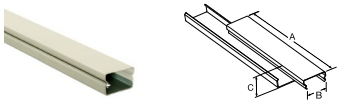


Bend Radius Fittings

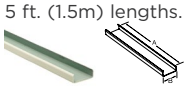
- 1-1/2 in. (38.10mm) bend radius
- Ideal for high speed data cables including Category 5, 5e, 6 and 6A applications

HBL2400 and HBL2400D Series

HBL2400 Series

Description	Color	Catalog Number
Undivided Base and Cover Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. 	Ivory	**HBL2400BCIV** A: 60.00" (1,524.00) B: 1.91" (48.51) C: .88" (22.40)

HBL2400 Series Base and Cover

Description	Color	Catalog Number
10 Ft. Base, Undivided Packed 50 ft. (15m) per carton, 10 ft. (3m) lengths.	Ivory	**HBL2400B10IV** A: 120.00" (3,048.00) B: 1.91" (48.51)
5 Ft. Base, Undivided Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. 	Ivory	**HBL2400BIV** A: 60.00" (1,524.00) B: 1.91" (48.51)

HBL2400D Series Base and Cover

Description	Color	Catalog Number
10 Ft. Base, Divided Packed 50 ft. (15m) per carton, 10 ft. (3m) lengths. 	Ivory	**HBL2400BDIV** A: 120.00" (3,048.00) B: 1.91" (48.51)

HBL2400 and HBL2400D Series Cover

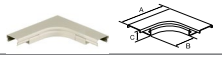
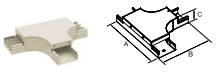
Description	Color	Catalog Number
5 Ft. Cover Packed 50 ft. (15m) per carton, 5 ft. (1.5m) lengths. 	Ivory	**HBL2400CIV** A: 60.00" (1,524.00) B: 1.89" (48.00)



Device Boxes

Description	Color	Type	1-Gang		2-Gang	
			Standard	Extra Deep	Standard	Extra Deep
Device Box For deep switches and receptacles. Base has one 1/2 in. trade size KO and rectangular KO for extension to wall box.	Ivory Ivory	Divided Undivided	— **HBL2448IVA** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.75" (44.45)	**HBL2444DIVA** **HBL2444IVA** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.75" (69.85)	— **HBL24482IV** A: 4.54" (115.32) B: 4.64" (117.86) C: 1.75" (44.45)	**HBL2444D2AIV** **HBL24442IV** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)

Elbows and Tees

Description	Color	Type	Catalog Number	Description	Color	Type	Catalog Number
Internal Elbow Bend Radius For inside surfaces at right angles, requiring a 1.5 in. (38.10) bend radius. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory Ivory	Divided Undivided	**HBL2417DFOIV*** **HBL2417IV**** A: 1.91" (48.51) B: 3.60" (91.30)	**External Elbow Bend Radius** For right angle turns around external corners. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory	Divided	**HBL2418DFOIV*** A: 1.91" (48.51) B: 3.83" (97.28)
90° Flat Elbow Bend Radius For right angle turns on same surface. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory Ivory	Divided Undivided	**HBL2411DFOIV*** **HBL2411IV**** A: 6.00" (152.40) B: 5.00" (127.00) C: .90" (22.86)	**Tee Fitting Bend Radius** For branches at right angles. Suitable for Category 5, 5e, 6 and 6A applications. 	Ivory	Undivided	**HBL2415IV**** A: 7.30" (185.42) B: 4.99" (126.75) C: 1.44" (36.58)

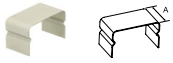
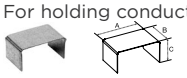
*Note: *HBL2401DC couplings included. **HBL2401C couplings included.*

Dimensions in Inches (mm)

End Fittings

Description	Color	Type	Catalog Number	Description	Color	Type	Catalog Number
Entrance End Fitting End fitting with 1/2 in. and 3/4 in. concentric trade size KOs on end and bottom. Additional 1/2 in. trade size KOs on sides. 	Ivory Ivory	Divided Undivided	— **HBL2410CIV** A: 3.69″ (93.8) B: 2.02″ (51.2) C: 1.79″ (45.4)	**Entrance End Fitting Bend Radius** Divided, bend radius end fitting to feed HBL2400 and HBL2400D Series Raceway. Includes 1 in. and 3/4 in. trade size KOs on back and end. Removable divider and bend radius inserts included. 	Ivory Ivory	Divided Undivided	**HBL2410DFOIV** — A: 7.08″ (179.83) B: 4.72″ (119.89) C: 2.76″ (70.10)
Entrance End Fitting For connecting HBL2400 Raceway with one 1/2 in. conduit and armored cable connectors. 	Ivory Ivory	Divided Undivided	— **HBL2410AIV** A: 1.16″ (29.50) B: 1.89″ (49.00) C: 1.66″ (42.20)	**Entrance End Fitting Full Capacity** Full capacity entrance end to feed HBL2400 Series Raceway. Includes three 1 in. and 3/4 in. concentric trade size KOs. 	Ivory Ivory	Divided Undivided	— **HBL2410FCIV** A: 3.04″ (77.23) B: 2.61″ (66.29) C: 2.23″ (56.64)
				Blank End Fitting For closing open end of HBL2400 Raceway. 	Ivory	Divided	**HBL2410BDIV** A: 1.17″ (29.72) B: 1.96″ (49.78) C: .84″ (21.34)

Fittings

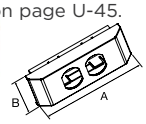
Description	Color	Catalog Number	Description	Color	Catalog Number
Cover Clip Use to cover potential openings where two pieces of HBL2400 Raceway cover come together. 	Ivory	**HBL2406IV** A: 1.50″ (38.10)	**Bridge Fitting** For allowing HBL2400 Series Raceway to bridge over existing installations of HBL2400, HBL750 and HBL500 Series Raceways. 	Ivory	**HBL2475DBRIV** A: 5.60″ (142.24) B: 2.92″ (74.17) C: 1.63″ (41.40)
Wire Clip (Plated) For holding conductors in place. 	Steel**	**HBL2400WC** A: 1.69″ (42.93) B: 1.00″ (25.40) C: .79″ (20.00)	**Coupling (Plated), Undivided** For joining lengths of HBL2400 Raceway. 	Steel**	**HBL2401C** A: 2.00″ (50.80) B: 1.86″ (47.24)
Coupling (Plated), Divided For joining lengths of HBL2400 Raceway. 	Steel**	**HBL2401DC** A: 2.00″ (50.80) B: 1.86″ (47.24)			

*Note: *Only used on HBL2400 Series Undivided Raceway.*
***Galvanized Steel.*

Wiremold® is a registered trademark of the Wiremold Company.

Dimensions in Inches (mm)

HBL2400 and HBL2400D Series

Description	Color	Catalog Number
Duplex Bracket and Frame For use with power devices with maximum width of 1.35 in. (84.3) and in low voltage applications with BR106E and Q106E frames found on page U-45.  	Ivory	**HBL24106DRK*** A: 6.00″ (152.40) B: 2.02″ (51.31)

*Note: *Only used on HBL2400 Series Undivided Raceway.*

Tools

Description	Color	Catalog Number
Touch-Up Paint Pen 	Ivory	**HBLIWEP**

Dimensions in Inches (mm)



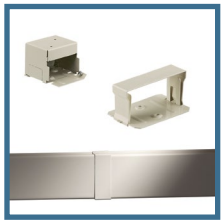
HBL3000 Series Extensive Line

- Full line of large, single channel, two piece metal raceway
- Easily mounts on walls or bench tops
- Large single channel base for power or datacom cables
- UL Listed and CSA Certified
- Available in ivory or gray powder coat finish



Innovative Box Design

- Hubbell Handi-Screw® eases installation by eliminating difficult to install long screws
- Rounded corners with no sharp edges
- One seam construction provides a “clean” look
- Large capacity allows for the installation of 30, 50 or 60A receptacles
- Utility box can be used as a tee, cross, junction box or as a branch circuit extension



Transition Fittings

- UL Classified to transition from Wiremold® 3000 Series Metal Raceway to Hubbell HBL3000 Series Metal Raceway
- Reducer fitting provides transition from Hubbell HBL3000 Series to Hubbell HBL2000 Series Raceway

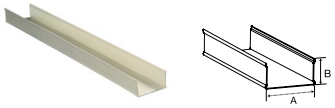


Plates and Covers

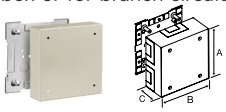
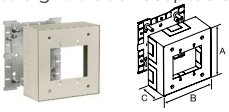
- Wide range of covers and cover plates accommodate the most demanding applications
- Removable cover and cover plates provide easy access to wiring compartment
- Precut covers and plates provide quick installation and are available in common configurations

HBL3000 Series

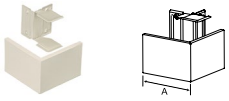
HBL3000 Series

Description	Color	Catalog Number	Description	Color	Catalog Number
Single Channel Base Packed 100 ft. (30.5m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 2.75″ (69.85) H: 1.53″ (38.86) 	Ivory Gray	**HBL3000BIV** **HBL3000BGY** A: 2.73″ (69.34) B: 1.47″ (37.34)	**5 Ft. Cover** Packed 100 ft. (30.5m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL3000CEIV** **HBL3000CEGY** A: 60.00″ (1,524.00) B: 2.75″ (69.85)

Boxes

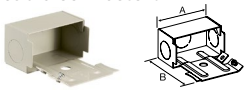
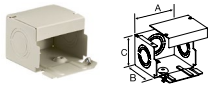
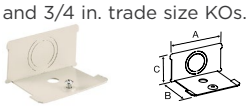
Description	Color	Catalog Number	Description	Color	Catalog Number
Utility Box Cover has twistouts on all sides, allows for box to be used as tee, cross, junction box or for branch circuit extensions. 	Ivory Gray	**HBL3028IV** A: 6.41″ (162.89) B: 6.41″ (162.89) C: 1.90″ (48.26)	**2-Gang Extra Deep Switch and Receptacle Box** For standard 30, 50 and 60A straight blade receptacles. 	Ivory Gray	**HBL30442IV** **HBL30442GY** A: 6.38″ (162.05) B: 6.38″ (162.05) C: 2.75″ (69.85)

Elbows and Tees

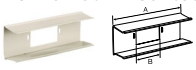
Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Corner Coupling For surfaces at right angles or for use as a straight-through fitting. 	Ivory Gray	**HBL3017TCEIV** **HBL3017TCEGY** A: 2.61″ (66.29)	**External Corner Coupling** For right angle turns around external corners. 	Ivory Gray	**HBL3018AEIV** **HBL3018AEGY** A: 4.00″ (101.60)

Dimensions in Inches (mm)

End Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Entrance End Fitting For connecting HBL3000 Raceway with 1/2 in. conduit and armored cable connectors. 	Ivory Gray	**HBL3010AEIV** **HBL3010AEGY** A: 2.75″ (69.85) B: 3.42″ (86.87)	**Entrance End Fitting** For connecting HBL3000 Raceway with rigid or flexible conduit. Concentric 1/2 in., 3/4 in. and 1 in. trade size KOs on end and each side. 	Ivory Gray	**HBL3010CIV** **HBL3010CGY** A: 2.75″ (69.85) B: 3.25″ (82.55) C: 2.00″ (50.80)
Blank End Fitting For closing open end of HBL3000 Raceway. Has concentric 1/2 in. and 3/4 in. trade size KOs. 	Ivory Gray	**HBL3010BIV** **HBL3010BGY** A: 2.71″ (68.92) B: 1.79″ (45.36) C: 1.41″ (35.84)			

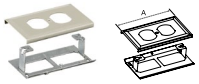
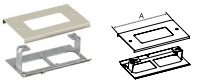
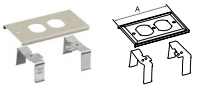
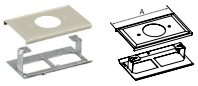
Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Transition Fitting For transitioning from Wiremold® 3000 Raceway to Hubbell HBL3000 Raceway. 	Ivory Gray	**HBL3000TFIV** **HBL3000TFGY** A: 2.85″ (72.39) B: 2.15″ (54.61) C: 1.50″ (38.04)	**Supporting Clip** For supporting lengths of HBL3000 Raceway at any point. Mount with #8 flat head fastener. Has set screw for locking to raceway. 	Ivory Gray	**HBL3003IV** **HBL3003GY** A: 2.81″ (71.33) B: .75″ (19.05)
Wall Box Connector For connecting to HBL3000 Raceway from a flush mounted wall box. 	Ivory Gray	**HBL3014CIV** **HBL3014CGY** A: 8.00″ (203.20) B: 3.28″ (83.31)	**Rigid Inside Coupling (Plated)** For joining lengths of HBL3000 Raceway when added rigidity is required, i.e. raceway suspended overhead. 	Steel*	**HBL3001AGY** A: 6.00″ (152.40)
Cover Clip Use to cover potential openings where two pieces of HBL3000 Raceway come together. 	Ivory Gray	**HBL3006EIV** **HBL3006EGY** A: 2.78″ (70.60) B: .75″ (19.05)			
Wire Clip (Plated) For holding conductors in place. 	Steel*	**HBL3000WCGY** A: 1.00″ (25.40)			
Coupling (Plated) For joining lengths of HBL3000 Raceway. 	Steel*	**HBL3001GY** A: 2.20″ (55.75)			

*Note: *Galvanized Steel.*

Dimensions in Inches (mm)

Device Bracket and Cover Plates

Description	Color	Catalog Number	Description	Color	Catalog Number
Duplex Receptacle Cover For installing 15A and 20A duplex receptacles and duplex communication frames shown on page U-45. Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3043BEIV** **HBL3043BEGY** A: 4.50″ (114.30)	**Rectangular Style Line® Recept. Cover** For installing 15A and 20A rectangular duplex receptacles, GFCI, surge devices, and rectangular communication frames shown on page U-45. Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3048RIV** **HBL3048RGY** A: 4.50″ (114.30)
Single Receptacle Cover For installing straight blade and locking single receptacles with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31).Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3027AEIV** **HBL3027AEGY** A: 4.50″ (114.30)	**Duplex Receptacle Cover** For high strain/vibration. For installing 15A and 20A duplex receptacles and duplex communication frames shown on page U-45. Includes device brackets. 	Ivory Gray	**HBL3046BEIV** **HBL3046BEGY** A: 5.38″ (136.65)
Device Bracket For mounting standard devices in HBL3000 Raceway. Use with commercially available flush plate (not furnished). 	Steel*	**HBL3007CGY** A: 4.50″ (114.30) B: 3.28″ (83.31)	**Single Receptacle Cover** For installing straight blade and locking single receptacles with face diameters of 1.56 in. to 1.57 in. (39.62 to 39.88). Includes HBL3007CGY device bracket. 	Ivory Gray	**HBL3033JEIV** **HBL3033JEGY** A: 4.50″ (114.30)

*Note: *Galvanized Steel.*

Tools

Description	Color	Catalog Number
Touch-Up Paint Pen 	Ivory Gray	**HBLIWEP** **HBLGWEP**

Dimensions in Inches (mm)



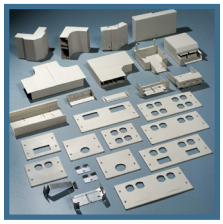
HBL4750 Device Bracket

- HBL4750 Device Bracket Plate provides excellent solution for power, data, voice, audio and video applications
- For use with Hubbell KP plates and Hubbell iSTATION modules and bezels
- Provides flush finish with overlap feature to hide potential miscuts



Application Capacity and Flexibility

- Flexible channel divider provides industry leading data capacity in the same profile with a 2/3 datacom split
- By-Pass Divider opening accepts GFCI or surge devices to be mounted in 70/30 divided channel
- Greater capacity offers more room for moves, adds and changes
- 50/50 split available by utilizing standard divider and divider clips
- Raceway channel can also be used with no divider for maximum cable fill in single service applications

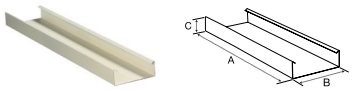


Extensive Line

- 1-1/4 in. (31.75mm) bend radius fittings meet TIA/EIA requirements
- Integral bend radius offers a fixed solution that does not have to be installed as an option
- Large cross sectional area provides for maximum cable capacity throughout entire system
- Available external, internal, flat, tee and entrance end fittings
- UL Listed, CSA Certified
- Available in ivory or gray powder coat finish

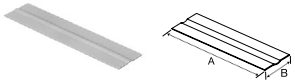
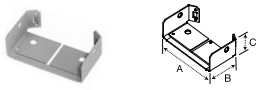
HBL4750 Series

HBL4750 Series

Description	Color	Catalog Number	Description	Color	Catalog Number
Single Channel Base Packed 50 ft. (15.24m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 4.75″ (120.65) H: 1.75″ (44.45) 	Ivory Gray	**HBL4750B10IV** **HBL4750B10GY** A: 120.00″ (3048.00) B: 4.75″ (120.65) C: 1.62″ (41.20)	**5 Ft. Cover** Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL4750CIV** **HBL4750CGY** A: 60.00″ (1,524.0) B: 4.75″ (120.65)

Note: Available in PRE-WIRED.

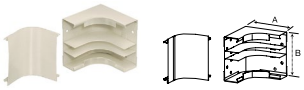
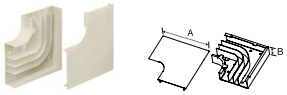
Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Divider Divides HBL4750 Raceway into two channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. HBL4751DA Divider Clips are required to hold divider in place. 	Painted Steel	**HBL4750DGY** A: 60.00″ (1,524.0) B: 1.51″ (38.46)	**By-Pass Divider** Divides HBL4750 Raceway into two channels with a 70/30 split. Allows for a larger power or datacom wire fill. HBL4751DA Divider Clips are required to hold divider in place. 	Painted Steel	**HBL4750BP** A: 7.12″ (180.74) B: .89″ (22.54)
Divider Clip Required for holding HBL4750DGY in place. Use one every 2.5 ft. (.762m). 	Steel**	**HBL4751DA** A: 4.64″ (117.77) B: 1.46″ (37.07)	**Wire Clip (Plated)** For holding conductors in place. 	Steel**	**HBL4750WCGY** A: 4.60″ (116.74) B: 1.58″ (40.13) C: 1.00″ (25.40)
Internal Corner Coupling (Plated) Concealed fitting for making an internal corner while continuing original run in a straight line. 	Steel**	**HBL4717TCAGY** A: 4.59″ (116.59) B: 2.71″ (68.73) C: 1.47″ (37.34)	**Coupling (Plated)** For joining lengths of HBL4750 Raceway. Sold in pairs. 	Steel**	**HBL4751AC** A: 1.47″ (37.30) B: .42″ (10.59)

*Note: **Galvanized Steel.*

Dimensions in Inches (mm)

Elbows

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow, Divided For inside surfaces at right angles. Full capacity 1-1/4 in. bend radius internal elbow. 	Ivory Gray	**HBL4717DFOIV*** **HBL4717DFOGY*** A: 4.74″ (120.47) B: 4.75″ (120.65)	**Internal Elbow, Undivided** For inside surfaces at right angles. 	Ivory Gray	**HBL4717IV*** **HBL4717GY*** A: 4.74″ (120.47) B: 4.75″ (120.65)
External Elbow, Divided For right angle turns around external corners. Full capacity 1-1/4 in. bend radius external elbow. 	Ivory Gray	**HBL4718DFOIV*** **HBL4718DFOGY*** A: 4.88″ (123.90) B: 4.75″ (120.65)	**Flat Elbow, Undivided** For right angle turns on same surface. 	Ivory Gray	**HBL4711IV*** **HBL4711GY*** A: 7.23″ (183.76) B: 1.62″ (41.15)
Flat Elbow, Divided For right angle turns on same surface. Full capacity 1-1/4 in. bend radius flat elbow. 	Ivory Gray	**HBL4711DFOIV*** **HBL4711DFOGY*** A: 7.23″ (183.76) B: 1.62″ (41.15)			

Note: HBL4751AC couplings included.

Tees

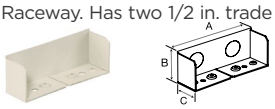
Description	Color	Catalog Number	Description	Color	Catalog Number
Tee Fitting, Divided For branches at right angles. Full capacity 1-1/4 in. bend radius tee fitting. 	Ivory Gray	**HBL4715DFOIV*** **HBL4715DFOGY*** A: 10.93″ (277.63) B: 7.27″ (184.54) C: 1.62″ (41.15)	**Tee Fitting, Undivided** For branches at right angles. 	Ivory Gray	**HBL4715IV*** **HBL4715GY*** A: 10.93″ (277.63) B: 7.27″ (184.54) C: 1.62″ (41.15)

*Note: *HBL4751AC couplings included.*

Dimensions in Inches (mm)

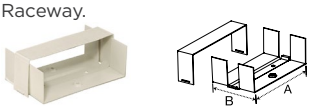
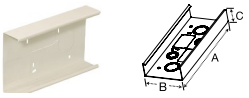
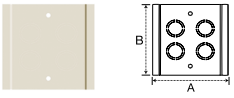
HBL4750 Series

End Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Entrance End Fitting, Divided For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric 3/4 in., 1 in. and 1-1/4 in. trade size KOs on back and end. Full capacity 1-1/4 in. bend radius entrance end fitting. Includes 3/4 in., 1 in., 1-1/4 in. KO and removable divider. 	Ivory Gray	**HBL4710DFOIV*** **HBL4710DFOGY*** A: 6.76″ (171.70) B: 4.75″ (120.65) C: 2.66″ (67.50)	**Entrance End Fitting, Undivided** For connecting HBL4750 Raceway with rigid or flexible conduit. Concentric 3/4 in., 1 in. and 1-1/4 in. trade size KOs on back and end. 	Ivory Gray	**HBL4710IV*** **HBL4710GY*** A: 6.76″ (171.70) B: 4.75″ (120.65) C: 2.66″ (67.50)
Blank End Fitting For closing open end of HBL4750 Raceway. Has two 1/2 in. trade size KOs. 	Ivory Gray	**HBL4710BIV** **HBL4710BGY** A: 4.59″ (116.50) B: 1.64″ (41.60) C: 1.31″ (33.37)			

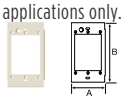
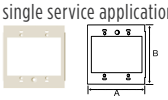
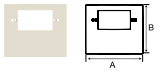
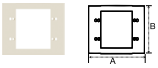
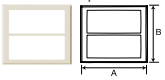
Note: HBL4751AC couplings included.

Fittings

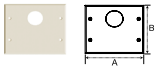
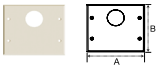
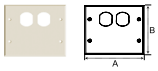
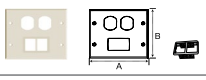
Description	Color	Catalog Number	Description	Color	Catalog Number
Transition Fitting For transitioning Wiremold® 4000 Raceway to Hubbell HBL4750 Raceway. 	Ivory	**HBL4750TFIV** A: 5.02″ (127.53) B: 2.79″ (70.78)	**Wall Box Connector** For back feeding HBL4750 Raceway. 	Ivory Gray	**HBL4714AIV** **HBL4714AGY** A: 12.00″ (304.80) B: 4.75″ (120.65) C: 1.62″ (41.15)
Connection Cover For covering potential openings where two covers come together. 	Ivory Gray	**HBL4756AIV** **HBL4756AGY** A: 4.77″ (121.16) B: .75″ (19.05) C: .13″ (3.36)	**2-Gang Tap-Off Fitting** Has four concentric 1/2 in. and 3/4 in. trade size KOs. 	Ivory Gray	**HBL4746H2IV** **HBL4746H2GY** A: 4.75″ (120.65) B: 4.75″ (120.65)

Dimensions in Inches (mm)

Device Plates and Mounting Bracket

Description	Color	Catalog Number	Description	Color	Catalog Number
1-Gang Commercial Device Plate Vertical Mount Use with commercially available 1-gang flush plates. See page U-45 for plate options. For single service applications only. 	Ivory Gray	**HBL4747CVMIV HBL4747CVMGY** A: 2.50" (63.50) B: 4.75" (120.65)	**2-Gang Commercial Device Plate Vertical Mount** Use with commercially available 2-gang flush plates. See page U-45 for plate options. For single service applications only. 	Ivory Gray	**HBL4747CVM2IV HBL4747CVM2GY** A: 4.32" (109.86) B: 4.75" (120.65)
2-Gang, One Opening for 1-Gang Comm. Device Plate, One Blank Use with commercially available 1-gang flush plates. See page U-45 for plate options. 	Ivory Gray	**HBL4747C1IV HBL4747C1GY** A: 5.12" (130.18) B: 4.75" (120.65)	**2-Gang, One Opening for 2-Gang Comm. Device Plate** Use with commercially available 2-gang flush plates. See page U-45 for plate options. 	Ivory Gray	**HBL4747C2IV HBL4747C2GY** A: 5.12" (130.18) B: 4.75" (120.65)
Device Mounting Bracket Mounting bracket for mounting Hubbell KP Plates, iSTATION Modules and Bezels. See pages U-45 and U-46 for datacom product selection. 	Ivory Gray	**HBL4750IV HBL4750GY** A: 5.25" (133.35) B: 4.76" (120.90)			

2-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number	Description	Color	Catalog Number
2-Gang Cover, Single Round Opening, One Blank For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.00 to 36.00). 	Ivory Gray	**HBL4747AXIV HBL4747AXGY** A: 5.43" (137.97) B: 4.75" (120.65)	**2-Gang, Single Round Opening, One Blank** For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13). 	Ivory Gray	**HBL4747JXIV HBL4747JXGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Blank For 15A and 20A duplex receptacles and duplex communication frames shown on page U-45. 	Ivory Gray	**HBL4747BXIV HBL4747BXGY** A: 5.43" (137.97) B: 4.75" (120.65)	**2-Gang, One Style Line® Opening, One Blank** For Style Line rectangular receptacles, GFCI and surge devices and rectangular communication frames shown on page U-45. 	Ivory Gray	**HBL4747RXIV HBL4747RXGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, Two Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page U-45. 	Ivory Gray	**HBL4747BBIV HBL4747BBGY** A: 5.43" (137.97) B: 4.75" (120.65)	**2-Gang, One Style Line Opening, One Modular Furniture** For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page U-45. Includes modular furniture with two keystone twistouts. 	Ivory Gray	**HBL4747RFIV HBL4747RFGY** A: 5.43" (137.97) B: 4.75" (120.65)
2-Gang, One Duplex Opening, One Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page U-45. Includes modular furniture with two keystone twistouts. 	Ivory Gray	**HBL4747BFIV HBL4747BFGY** A: 5.43" (137.97) B: 4.75" (120.65)	**2-Gang, One Duplex Opening, One Style Line Opening** For 15A and 20A duplex receptacles and Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page U-45. 	Ivory Gray	**HBL4747BRIV HBL4747BRGY** A: 5.43" (137.97) B: 4.75" (120.65)
			2-Gang, One Duplex Opening, One Ortronics® TracJack® Mini Adapter Bezel For 15A and 20A duplex recept. and duplex communication plates. Includes Ortronics TracJack Mini Adapter Bezel. 	Ivory Gray	**HBL4747BTIV HBL4747BTGY** A: 5.43" (137.97) B: 4.75" (120.65)

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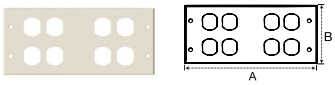
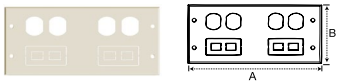
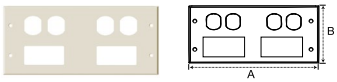
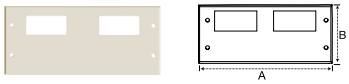
Dimensions in Inches (mm)

4-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number	Description	Color	Catalog Number
4-Gang, Four Duplex Openings For 15A and 20A duplex receptacles and duplex communication frames shown on page U-45. 	Ivory Gray	**HBL47472BBBBIV** **HBL47472BBBBGY** A: 10.22″ (259.56) B: 4.75″ (120.65)	**4-Gang, Two Duplex Openings, Two Modular Furniture** For 15A and 20A duplex receptacles and duplex communication frames shown on page U-45. Includes two modular furniture with two keystone twistouts. 	Ivory	**HBL47472BBFFIV** A: 10.22″ (259.56) B: 4.75″ (120.65)
4-Gang, Two Duplex Openings, Two Style Line® Openings For 15A and 20A duplex receptacles. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page U-45. 	Ivory	**HBL47472BBRRIV** A: 10.22″ (259.56) B: 4.75″ (120.65)	**4-Gang, Two Style Line Openings, Two Blanks** For Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page U-45. Includes two blanks. 	Ivory	**HBL47472RRXXIV** A: 10.22″ (259.56) B: 4.75″ (120.65)

Tools

Description	Color	Catalog Number	Description	Color	Catalog Number
Base Cutter Cutter for cutting base of HBL4750 Raceway. 	Steel	**HBL640B**	**Cover Cutter** Cutter for cutting cover of HBL4750 Raceway. 	Steel	**HBL640C**
Touch-Up Paint Pen 	Ivory Gray	**HBLIWEP** **HBLGWEP**			

Dimensions in Inches (mm)

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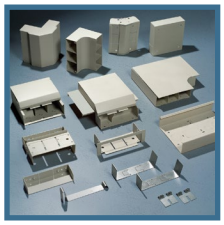
HBL6750 Device Bracket

- HBL6750 Device Bracket Plate provides excellent solution for three channel power, data, voice, audio and video applications
- For use with Hubbell KP plates and Hubbell iSTATION Modules and Bezels
- Provides flush finish with overlap feature to hide potential miscuts



Maximum Capacity

- HBL6750 Series options include single channel (no divider), two channel (1/3, 2/3 divider) or three channel (1/3, 1/3, 1/3 divider)
- HBL6750 Series offers maximum capacity in a low profile raceway
- HBL6750, two channel version, features industry leading capacity equivalent to a HBL4750 single channel profile with an additional channel
- Low profile raceway provides a less conspicuous profile than competitive versions
- Available in 10 ft. (3m) lengths



Unique Line of Fittings

- 1-1/4 in. (31.75mm) bend radius fittings meet TIA/EIA requirements
- Integral bend radius offers a fixed solution that does not have to be field installed
- Large cross sectional area provides for maximum cable capacity throughout entire system
- Available external, internal, flat, tee and entrance end fittings
- UL Listed, CSA Certified
- Available in ivory or gray powder coat finish

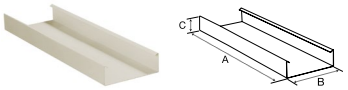
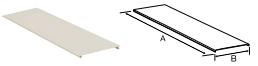


Plates and Covers

- Wide variety of overlapping cover plates provide flexibility for power, data, voice, audio and video applications
- Available in both three and six-gang options
- Cover plates accept wide selection of Hubbell iSTATION Modules and Bezels
- Cover plates help to conceal unsightly gaps caused by miscuts
- Precut cover options allow for 12 in. (304.80mm), 18 in. (457.20mm), 24 in. (609.60mm) and 36 in. (914.40mm) “on-center” mounting
- Open System architecture available

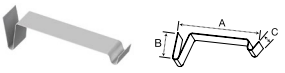
HBL6750 Series

HBL6750 Series

Description	Color	Catalog Number	Description	Color	Catalog Number
Single Channel Base Packed 20 ft. (6.1m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 6.75″ (171.45) H: 2.22″ (56.39) 	Ivory Gray	**HBL6750B10IV** **HBL6750B10GY** A: 120.00″ (3048.00) B: 6.75″ (171.45) C: 2.12″ (53.85)	**5 Ft. Cover** Packed 20 ft. (6.1m) per carton, 5 ft. (1.5m) lengths.	Ivory Gray	**HBL6750CIV** **HBL6750CGY** A: 60.00″ (1,524.0) B: 6.75″ (171.45)
			31 In. Precut Cover* For 36 in. (915.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C315IV** **HBL6750C315GY** A: 31.50″ (800.10) B: 6.75″ (171.45)
			19 In. Precut Cover* For 24 in. (610.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C195IV** **HBL6750C195GY** A: 19.50″ (495.30) B: 6.75″ (171.45)
			13 In. Precut Cover* For 18 in. (457.00) centers with HBL6747 and HBL6750 Plates.	Ivory Gray	**HBL6750C135IV** **HBL6750C135GY** A: 13.50″ (342.90) B: 6.75″ (171.45)
			7 In. Precut Cover* For 12 in. (305.00) centers with HBL6747 and HBL6750 Plates. 	Ivory Gray	**HBL6750C075IV** **HBL6750C075GY** A: 7.50″ (190.50) B: 6.75″ (171.45)

Note: Available in PRE-WIRED.

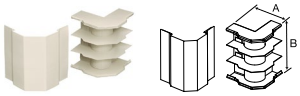
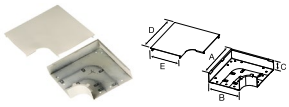
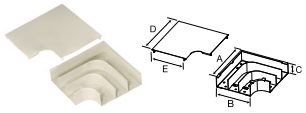
Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Divider Divides HBL6750 Raceway into two or three channels. Packed 50 ft. (15.24m) per carton, 5 ft. (1.5m) lengths. HBL6751DAGY Divider Clips are required to hold divider in place. 	Painted Steel	**HBL6750DAGY** A: 60.00″ (1524.00) B: 2.03″ (51.56)	**Wire Clip (Plated)** For holding conductors in place. 	Steel*	**HBL6750WCGY** A: 6.61″ (167.80) B: 2.09″ (53.05)
Divider Clip (Plated) Required for holding HBL6750DAGY in place. Use one every 2.5 ft. (.762m). 	Steel*	**HBL6751DAGY** A: 6.60″ (167.67) B: 1.97″ (50.10)	**Coupling (Plated)** For joining lengths of HBL6750 Raceway. Sold in pairs. 	Steel*	**HBL6751A** A: 2.00″ (50.71) B: .42″ (10.59)

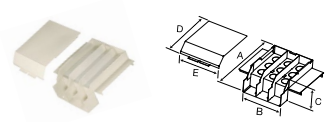
*Note: *Galvanized Steel.*

Dimensions in Inches (mm)

Elbows

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow, Divided For inside surface at right angles. Full capacity 1-1/4 in. bend radius internal elbow. 	Ivory Gray	**HBL6717DFOIV*** **HBL6717DFOGY*** A: 4.74″ (120.47) B: 6.75″ (171.45)	**Internal or External 45º Elbow** For making internal or external turns in a run of HBL6750 Raceway. 	Ivory Gray	**HBL6712TXIV** **HBL6712TXGY** A: 6.53″ (165.93) B: 6.56″ (166.62)
External Elbow, Divided For right angle turns around external corners. Full capacity 1-1/4 in. bend radius external elbow. 	Ivory Gray	**HBL6718DFOIV*** **HBL6718DFOGY*** A: 5.83″ (148.21) B: 6.75″ (171.45)	**Flat Elbow, Undivided** For right angle turns on same surface. 	Ivory Gray	**HBL6711IV*** **HBL6711GY*** A: 9.23″ (234.45) B: 6.75″ (171.45) C: 2.14″ (54.23) D: 9.83″ (249.69) E: 6.75″ (171.45)
Flat Elbow, Divided For right angle turns on same surface. Full capacity 1-1/4 in. bend radius flat elbow. 	Ivory Gray	**HBL6711DFOIV*** **HBL6711DFOGY*** A: 9.23″ (234.45) B: 6.75″ (171.45) C: 2.14″ (54.23) D: 9.83″ (249.69) E: 6.75″ (171.45)			

Tees

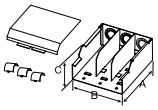
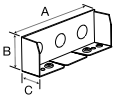
Description	Color	Catalog Number
Tee Fitting, Divided For branches at right angles. Full capacity 1-1/4 in. bend radius tee fitting. 	Ivory Gray	**HBL6715DFOIV*** **HBL6715DFOGY*** A: 8.75″ (222.25) B: 6.63″ (168.40) C: 3.56″ (90.48) D: 7.92″ (201.07) E: 6.75″ (171.45)

*Note: *HBL6751A couplings included.*

Dimensions in Inches (mm)

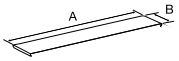
HBL6750 Series

End Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Entrance End Fitting, Divided For connecting HBL6750 Raceway with rigid or flexible conduit. Concentric 3/4 in.,1 in. and 1-1/4 in. trade size KOs on back and end. Full capacity 1-1/4 in. bend radius entrance end fitting. Includes 3/4 in., 1 in. and 1-1/4 in. KO and removable dividers.  	Ivory Gray	**HBL6710DFOIV*** **HBL6710DFOGY*** A: 6.75″ (171.45) B: 6.75″ (171.45) C: 3.18″ (180.71)	**Blank End Fitting** For closing open end of HBL6750 Raceway. Has three 1/2 in. trade size KOs.  	Ivory Gray	**HBL6710BIV** **HBL6710BGY** A: 6.56″ (166.62) B: 1.98″ (50.41) C: 1.33″ (33.90)

*Note: *HBL4751AC couplings included.*

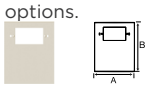
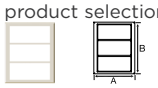
Fittings

Description	Color	Catalog Number
Connection Cover For covering potential openings where two covers come together.  	Ivory Gray	**HBL6756AIV** **HBL6756AGY** A: 6.75″ (171.45) B: .59″ (14.89)

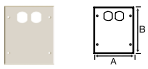
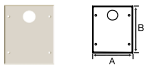
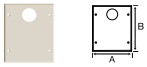
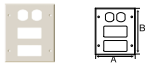
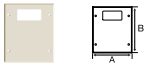
Dimensions in Inches (mm)

Wiremold® is a registered trademark of the Wiremold Company.

Device Plates & Mounting Bracket

Description	Color	Catalog Number	Description	Color	Catalog Number
3-Gang, One Opening for 1-Gang Commercial Device Plate, Two Blanks Use with commercially available 1-gang flush plates. See page U-45 for plate options. 	Ivory Gray	**HBL6747C1IV** **HBL6747C1GY** A: 5.43″ (137.97) B: 6.75″ (171.45)	**3-Gang, One Opening for 2-Gang Commercial Device Plate, One Blank** Use with commercially available 2-gang flush plates. See page U-45 for plate options. 	Ivory Gray	**HBL6747C2IV** **HBL6747C2GY** A: 5.43″ (137.97) B: 6.75″ (171.45)
Device Mounting Bracket Mounting bracket for mounting Hubbell KP Plates, iSTATION Modules and Bezels. See pages U-45 and U-46 for datacom product selection. 	Ivory Gray	**HBL6750IV** **HBL6750GY** A: 5.25″ (133.35) B: 6.75″ (171.45)			

3-Gang Cover Plates (Include Mounting Bracket)

Description	Color	Catalog Number	Description	Color	Catalog Number
3-Gang, One Duplex Opening, Two Blanks For 15A and 20A duplex receptacles and duplex communication plates. 	Ivory Gray	**HBL6747BXXIV** **HBL6747BXXGY** A: 5.43″ (137.97) B: 6.75″ (171.45)	**3-Gang, One Single Round Opening, Two Blanks** For single receptacle with face diameter of 1.38 in. to 1.39 in. (35.05 to 35.31). 	Ivory Gray	**HBL6747AXXIV** **HBL6747AXXGY** A: 5.43″ (137.97) B: 6.75″ (171.45)
3-Gang, Three Duplex Openings For 15A and 20A duplex receptacles and duplex communication plates. 	Ivory Gray	**HBL6747BBBIV** **HBL6747BBBGY** A: 5.43″ (137.97) B: 6.75″ (171.45)	**3-Gang, One Single Round Opening, Two Blanks** For single receptacle with face diameter of 1.56 in. to 1.58 in. (39.62 to 40.13). 	Ivory Gray	**HBL6747JXXIV** **HBL6747JXXGY** A: 5.43″ (137.97) B: 6.75″ (171.45)
3-Gang, One Duplex Opening, Two Style Line® Openings For 15A and 20A duplex receptacles and duplex communication plates. Includes Style Line openings for rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page U-45. 	Ivory Gray	**HBL6747BRRIV** **HBL6747BRRGY** A: 5.43″ (137.97) B: 6.75″ (171.45)	**3-Gang, One Style Line Opening, Two Blanks** For one Style Line rectangular receptacle, GFCI, surge device or rectangular communication device. 	Ivory Gray	**HBL6747RXXIV** **HBL6747RXXGY** A: 5.43″ (137.97) B: 6.75″ (171.45)
3-Gang, Two Duplex Openings, One Modular Furniture For 15A and 20A duplex receptacles and duplex communication frames shown on page U-45. Includes modular furniture with two keystone twistouts. 	Ivory Gray	**HBL6747BBFIV** **HBL6747BBFGY** A: 5.43″ (137.97) B: 6.75″ (171.45)	**3-Gang, Two Style Line Openings, One Modular Furniture** For two Style Line rectangular receptacles, GFCI, surge devices and rectangular communication frames shown on page U-45. Includes modular furniture with two keystone twistouts. 	Ivory Gray	**HBL6747RRFIV** **HBL6747RRFGY** A: 5.43″ (137.97) B: 6.75″ (171.45)

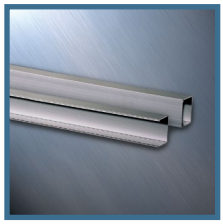
Dimensions in Inches (mm)

HBL6750 Series

Tools

Description	Color	Catalog Number	Description	Color	Catalog Number
Base Cutter Cutter for cutting base of HBL6750 Raceway. 	Steel	**HBL660B**	**Cover Cutter** Cutter for cutting cover of HBL6750 Raceway. 	Steel	**HBL660C**
Touch-Up Paint Pen 	Ivory Gray	**HBLIWEP** **HBLGWEP**			

Dimensions in Inches (mm)



HBLALU2000 Series

- Single channel aluminum raceway
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified



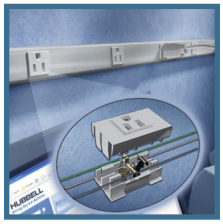
Aluminum Boxes

- Both in-line and standard boxes available
- Hubbell Handi-Screw® eliminates difficult to install long screws for easier installation
- Rounded corners eliminate sharp edges
- One seam construction provides “clean” look
- Box design allows standard wallplates to be mounted flush with virtually no perimeter profile exposed
- Full line of metal wallplates available; see section Q for selection



Wide Selection of Fittings

- Elbows (external, internal, flat) and tee fitting available to accommodate all types of applications
- HBLALU2001 Coupling included with elbows and tee fitting

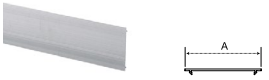
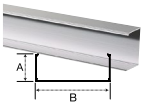


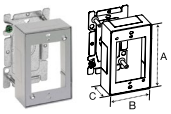
Aluminum PlugTrak® Featuring Exclusive Receptacle Design

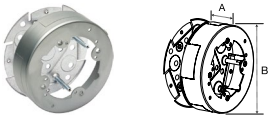
- Satin anodized scratch resistant finish
- Multiple spacing configurations
- Hubbell designed and manufactured single receptacle
- Insulation displacement wiring provides superior wire retention
- Mates with HBLALU2000 Aluminum Raceway
- Available in 3 ft. (0.9m), 5 ft. (1.5m) and 6 ft. (1.8m) lengths
- Tamper-Resistant versions available

HBLALU2000 Series

HBLALU2000 Series

Description	Material	Catalog Number	Description	Material	Catalog Number
5 Ft. Base Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths.	Anodized Aluminum	**HBLALU2000B5** A: .82" (21.00) B: 1.84" (46.74)	**Cover** Satin anodized finish. Packed 60 ft. (18.3m) per carton, 5 ft. (1.5m) lengths. 	Anodized Aluminum	**HBLALU2000C5** A: 1.84" (46.74)
10 Ft. Base Satin anodized finish. Packed 60 ft. (18.3m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 1.84" (46.74) H: .91" (23.11) 	Anodized Aluminum	**HBLALU2000B10** A: .82" (21.00) B: 1.84" (46.74)			



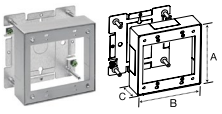


Standard

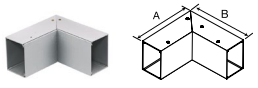
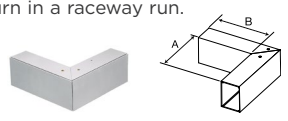
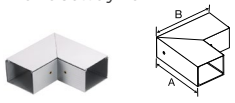
Description	Material	1-Gang	Description	Material	Round Box
Device Box For standard switches and receptacles.	Anodized Aluminum	**HBLALU2047** A: 4.54" (115.32) B: 2.82" (71.63) C: 1.38" (35.05)	**Fixture Box with Solid Base** To hang fixtures. Cover takes any device with mounting screw centers of 2.75 in. (69.85), 3.5 in. (89.00) and 4.06 in. (103.00).	Anodized Aluminum	**HBLALU2038** A: 1.38" (35.05) B: 4.93" (125.22)

Deep

Description	Material	1-Gang	2-Gang
Device Box For deep switches and receptacles.	Anodized Aluminum	**HBLALU2044** A: 4.54" (115.32) B: 2.82" (71.63) C: 2.25" (57.15)	**HBLALU20442** A: 4.54" (115.32) B: 4.64" (117.86) C: 2.75" (69.85)
Base Trade Size KOs		1 - 1/2", 3/4" Concentric, 1 - Rectangular	1 - 1/2", 1 - Rectangular



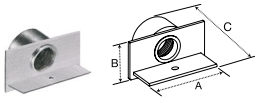
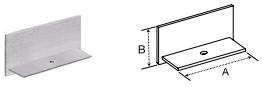
Elbows and Tees

Description	Material	Catalog Number	Description	Material	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run. 	Anodized Aluminum	**HBLALU2017*** A: 3.00" (76.20) B: 3.00" (76.20)	**External Elbow** For making a 90° external turn in a raceway run. 	Anodized Aluminum	**HBLALU2018*** A: 2.91" (74.04) B: 2.91" (74.04)
Flat Elbow For making a 90° flat turn in a raceway run. 	Anodized Aluminum	**HBLALU2011*** A: 3.00" (76.20) B: 3.00" (76.20)	**Tee Fitting** For branch connections of right angles. 	Anodized Aluminum	**HBLALU2015*** A: 4.00" (101.60) B: 3.40" (86.36)

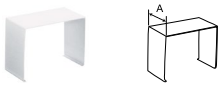
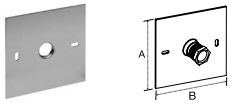
*Note: *HBLALU2001 couplings included.*

Dimensions in Inches (mm)

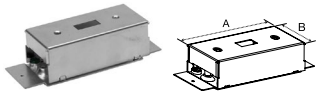
End Fittings

Description	Material	Catalog Number	Description	Material	Catalog Number
Entrance End Fitting 1/2 in. NPT steel fitting. 	Anodized Aluminum Plate	**HBLALU2010A** A: 1.84″ (47.74) B: .91″ (23.11) C: 1.51″ (38.35)	**Blank End Fitting** For closing end of raceway. 	Anodized Aluminum	**HBLALU2010B** A: 1.84″ (46.74) B: .91″ (23.11)

Fittings

Description	Material	Catalog Number	Description	Material	Catalog Number
Cover Clip Use to cover potential openings where two pieces of HBLALU2000 Raceway cover come together. 	Stainless Steel	**HBLALU2006** A: 1.00″ (25.40)	**Wire Clip** For holding conductors in place. 	Anodized Aluminum	**HBLALU2000WC** A: .44″ (11.20)
Flush Plate Adaptor For feeding HBLALU2000 Raceway from an existing wall outlet. Locknut included. 	Anodized Aluminum	**HBLALU2051H** A: 4.50″ (114.3) B: 4.50″ (114.3)	**Coupling (Pair)** For joining lengths of HBLALU2000 Raceway. 	Aluminum	**HBLALU2001** A: 1.67″ (42.42) B: 1.67″ (42.42)

Devices and In-Line Fittings

Description	Material	Catalog Number
In-Line Switch Fitting (Switch sold separately). 	Anodized Aluminum	**HBLALU2040A** A: 4.12″ (104.65) B: 1.84″ (46.74)
Supporting Clip For mounting lengths of HBLALU2000 Raceway at any point. Mount with #6 flat head fastener. Has set screw for locking to raceway. Raceway must be screwed to the wall for secure fastening. 	Stainless Steel	**HBLALU2003** A: 2.00″ (50.80)

*Note: *HBLALU2001 couplings included.*
***Galvanized Steel.*

Dimensions in Inches (mm)

Aluminum PlugTrak® Series

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.



USB

Tamper-Resistant

Amp	Circuits	Single Recept.	USB Ports	Receptacle Spacing(in.)	Catalog Number
3 Foot					
15	Single	6	–	6	**HBLALU20GB306**
15	TR/Single	6	–	6	**HBLALU20GB306TR**
15	USB/Single/TR	2	2	12	**HBLALU20GB312U**
20	Single	6	–	6	**HBLALU24GB306**
20	TR/Single	6	–	6	**HBLALU24GB306TR**
5 Foot					
15	Single	5	–	12	**HBLALU20GB512**
15	TR/Single	5	–	12	**HBLALU20GB512TR**
20	Single	10	–	6	**HBLALU24GB506**
20	Single	5	–	12	**HBLALU24GB512**
20	TR/Single	5	–	12	**HBLALU24GB512TR**
6 Foot					
15	Single	12	–	6	**HBLALU20GB606**
15	Single	6	–	12	**HBLALU20GB612**
15	Two	6	–	12	**HBLALU20GBA612**
15	IG/Single	12	–	6	**HBLALU20IG606**
15	USB/Single/TR	4	4	12	**HBLALU20GB612U**
20	Single	12	–	6	**HBLALU24GB606**
20	Single	6	–	12	**HBLALU24GB612**
20	Two	12	–	6	**HBLALU24GBA606**
20	Two	6	–	12	**HBLALU24GBA612**
20	Two	4	–	18	**HBLALU24GBA618**

Note: IG = Isolated Ground, TR = Tamper-Resistant and U = USB. Hubbell Aluminum PlugTrak is supplied with two HBLALU2010B blank end fittings and one HBLALU2001 coupling.

Description	Catalog Number
Device Boxes	
Standard 1-Gang Device Box. 	**HBLALU2047**
Deep 1-Gang Device Box. 	**HBLALU2044**
Standard 2-Gang Device Box. 	**HBLALU20472**
Deep 2-Gang Device Box. 	**HBLALU20442**
Round Box. 	**HBLALU2038**
Elbows and Tees	
External Elbow. 	**HBLALU2018**
Internal Elbow. 	**HBLALU2017**
Flat Elbow. 	**HBLALU2011**
Tee. 	**HBLALU2015**
Fittings	
Cover Clip. 	**HBLALU2006**
Supporting Clip. 	**HBLALU2003**
Coupling. 	**HBLALU2001**
Entrance End Fitting. 	**HBLALU2010A**
In-Line Switch Fitting. 	**HBLALU2040A**
Blank End Fitting. 	**HBLALU2010B**

Note: See pages U-34 and U-35 for additional information.

Dimensions in Inches (mm)



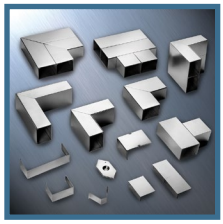
HBLALU3800 and HBLALU4800 Series

- Single and two channel aluminum raceways
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified



Split Covers

- Single and two channel raceways utilize common cover
- Split covers allow access to one service at a time
- Common aesthetics throughout line



Wide Selection of Fittings

- External, internal, flat and tee fittings available to accommodate all types of applications
- Available in both single and two channel versions

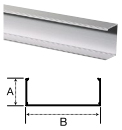


Device Cover Plates

- Cover plates can be used for both HBLALU3800 and HBLALU4800 Raceways
- Cover plates offer option for most common power device applications
- Low profile bezel cover accommodates Hubbell iSTATION Modules
- Open System data option available
- Base mounted cover plates available for added strength

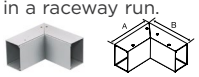
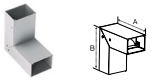
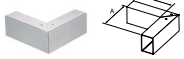
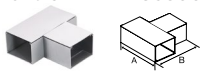
HBLALU3800 Series

HBLALU3800 Series

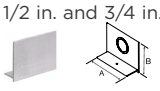
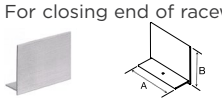
Description	Material	Catalog Number	Description	Material	Catalog Number
Single Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 3.00″ (76.20) H: 2.25″ (57.15) 	Anodized Aluminum	**HBLALU3800B10** A: 2.10″ (53.34) B: 3.00″ (76.20)	**Cover** Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths. 	Anodized Aluminum	**HBLALUC5** A: 3.00″ (76.20)

Note: Available in PRE-WIRED.

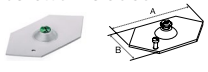
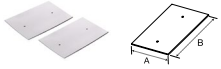
Elbows and Tees

Description	Material	Catalog Number	Description	Material	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run. 	Anodized Aluminum	**HBLALU3817*** A: 6.00″ (152.40) B: 6.00″ (152.40)	**Inverted Internal Elbow** For connecting a vertical run of HBLALU3800 with a horizontal run with its cover facing up. 	Anodized Aluminum	**HBLALU3817N*** A: 6.00″ (152.40) B: 5.98″ (151.89)
External Elbow For making a 90° external turn in a raceway run. 	Anodized Aluminum	**HBLALU3818*** A: 6.00″ (152.40) B: 6.00″ (152.40)	**Tee** For branch connections of two runs of HBLALU3800 Raceway. 	Anodized Aluminum	**HBLALU3815*** A: 6.00″ (152.40) B: 6.00″ (152.40)
Flat Elbow For making a 90° flat turn in a raceway run. 	Anodized Aluminum	**HBLALU3811*** A: 6.00″ (152.40) B: 6.00″ (152.40)			

End Fittings

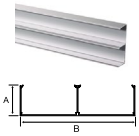
Description	Material	Catalog Number	Description	Material	Catalog Number
Entrance End Fitting For feeding raceway, has concentric 1/2 in. and 3/4 in. trade size KOs. 	Anodized Aluminum	**HBLALU3810B1** A: 3.00″ (76.20) B: 2.31″ (58.74)	**Blank End Fitting** For closing end of raceway. 	Anodized Aluminum	**HBLALU3810B** A: 3.00″ (76.20) B: 2.31″ (58.74)

Fittings

Description	Material	Catalog Number	Description	Material	Catalog Number
Cover Clip To cover seam where lengths of HBLALU3800 Raceway come together. 	Stainless Steel	**HBLALU3806** A: 1.38″ (34.92)	**Wire Clip** For holding conductors in place. Can be used for either HBLALU3800 or HBLALU4800 Raceway. 	Anodized Aluminum	**HBLALUWC** A: 1.00″ (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run. 	Anodized Aluminum	**HBLALU17A** A: 4.00″ (101.80) B: 2.00″ (50.83)	**Grounding Adapter** For connection of equipment grounding. #10-32 locking screws included. 	Galvanized Steel	**HBLALU09** A: 4.00″ (101.80) B: 2.00″ (50.83)
Couplings (Pair) To join lengths of HBLALU3800 or HBLALU4800 base. 	Aluminum	**HBLALU01** A: 2.85″ (72.39) B: 4.00″ (101.80)			

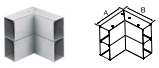
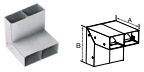
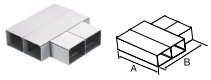
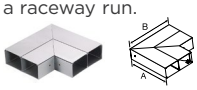
*Note: *HBLALU01 couplings included. See page U-40 for cover plates.*
Dimensions in Inches (mm)

HBLALU4800 Series

Description	Material	Catalog Number	Description	Material	Catalog Number
Single Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 6.00″ (152.40) H: 2.25″ (57.15) 	Anodized Aluminum	**HBLALU4800B10** A: 2.10″ (53.34) B: 6.00″ (152.40)	**Cover** Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths. 	Anodized Aluminum	**HBLALUC5** A: 3.00″ (76.20)

Note: Available in PRE-WIRED.

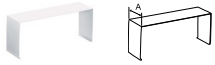
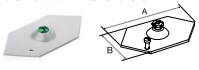
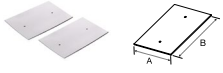
Elbows and Tees

Description	Material	Catalog Number	Description	Material	Catalog Number
Internal Elbow (Two Channel) For making a 90° internal turn in a raceway run. 	Anodized Aluminum	**HBLALU4817*** A: 6.00″ (152.40) B: 6.00″ (152.40)	**Inverted Internal Elbow (Two Channel)** For connecting a vertical run of HBLALU4800 with a horizontal run with its cover facing up. 	Anodized Aluminum	**HBLALU4817N*** A: 6.00″ (152.40) B: 5.98″ (151.89)
External Elbow (Two Channel) For making a 90° external turn in a raceway run. 	Anodized Aluminum	**HBLALU4818*** A: 6.00″ (152.40) B: 6.00″ (152.40)	**Tee (Two Channel)** For branch connections of two runs of HBLALU4800 Raceway. 	Anodized Aluminum	**HBLALU4815*** A: 9.00″ (228.60) B: 9.00″ (228.60)
Flat Elbow (Two Channel) For making a 90° flat turn in a raceway run. 	Anodized Aluminum	**HBLALU4811*** A: 9.00″ (228.60) B: 9.00″ (228.60)			

End Fittings

Description	Material	Catalog Number	Description	Material	Catalog Number
Entrance End Fitting (Two Channel) For feeding raceway, has concentric 1/2 in. and 3/4 in. trade size KOs. 	Anodized Aluminum	**HBLALU4810B2** A: 6.00″ (152.40) B: 2.31″ (58.74)	**Blank End Fitting (Two Channel)** For closing end of raceway. 	Anodized Aluminum	**HBLALU4810B** A: 6.00″ (152.40) B: 2.31″ (58.74)

Fittings

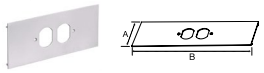
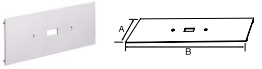
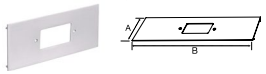
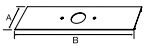
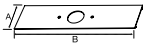
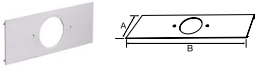
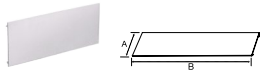
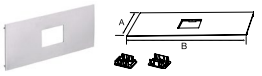
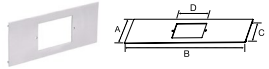
Description	Material	Catalog Number	Description	Material	Catalog Number
Cover Clip To cover seam where lengths of HBLALU4800 Raceway come together. 	Stainless Steel	**HBLALU3806** A: 1.38″ (34.92)	**Wire Clip** For holding conductors in place. Can be used for either HBLALU3800 or HBLALU4800 Raceway. 	Anodized Aluminum	**HBLALUWC** A: 1.00″ (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run. 	Anodized Aluminum	**HBLALU17A** A: 4.00″ (101.80) B: 2.00″ (50.83)	**Grounding Adapter** For connection of equipment grounding. #10-32 locking screws included. 	Galvanized Steel	**HBLALU09** A: 4.00″ (101.80) B: 2.00″ (50.83)
Couplings (Pair) To join lengths of HBLALU3800 or HBLALU4800 base. 	Aluminum	**HBLALU01** A: 2.85″ (72.39) B: 4.00″ (101.80)			

*Note: *HBLALU01 couplings included. See page U-40 for cover plates.*

Dimensions in Inches (mm)

HBLALU3800 and HBLALU4800 Series

Cover Plates

Description	Material	Catalog Number	Description	Material	Catalog Number
Duplex Receptacle Cover For duplex receptacles and duplex communication frames shown on page U-45. 	Anodized Aluminum	**HBLALUDR** A: 3.00″ (76.20) B: 12.00″ (304.80) **HBLALU34DRBM** (Base Mounted Device)	**Toggle Switch Cover** For single pole, two pole, three way or four way toggle switches. 	Anodized Aluminum	**HBLALUN** A: 3.00″ (76.20) B: 12.00″ (304.80)
Rectangular Style Line® Cover For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication frames shown on page U-45. 	Anodized Aluminum	**HBLALUG** A: 3.00″ (76.20) B: 12.00″ (304.80) **HBLALU34GBM** (Base Mounted Device)	**Single Receptacle Cover** For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31). 	Anodized Aluminum	**HBLALUE** A: 3.00″ (76.20) B: 12.00″ (304.80) **HBLALU34EBM** (Base Mounted Device)
Single Receptacle Cover For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39). 	Anodized Aluminum	**HBLALUF** A: 3.00″ (76.20) B: 12.00″ (304.80) **HBLALU34FBM** (Base Mounted Device)	**Single Receptacle Cover** For single receptacle with face diameter of 2.13 in. (54.10). 	Anodized Aluminum	**HBLALUJ** A: 3.00″ (76.20) B: 12.00″ (304.80) **HBLALU34JBM** (Base Mounted Device)
Blank Cover To cover 12 in. (305.00) section of raceway. 	Anodized Aluminum	**HBLALUBL** A: 3.00″ (76.20) B: 12.00″ (304.80)	**Ortronics® Cover Plate** For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included. 	Anodized Aluminum	**HBLALUABRT** A: 3.00″ (76.20) B: 12.00″ (304.80)
Hubbell iSTATION Cover For mounting Hubbell iSTATION Modules. For the HBLALUPB use the KPIMBZGY on page U-45 with modules from page U-46. For the HBLALULPBA use the IMF1GY on page U-46 or any IFPxxGY plates on page U-45. 	Anodized Aluminum	**HBLALULPB** A: 3.00″ (76.20) B: 12.00″ (304.80) C: 1.90 (48.26) D: 4.21 (106.93) **HBLALULPBA** A: 3.00″ (76.20) B: 12.00″ (304.80) C: 1.90 (48.26) D: 3.00″ (76.20)			

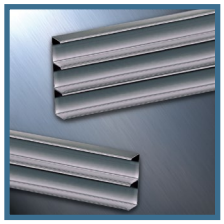
Base Mounted Device Cover Design

No exposed screw holes. Receptacle is securely mounted to the raceway base rather than the cover.



Dimensions in Inches (mm)

Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.



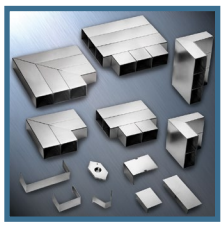
HBLALU5000 and HBLALU7620 Series

- Two and three channel aluminum raceways
- Satin anodized finish
- Resists oxidation, corrosion and fading
- Can be installed as recessed or surface mounted
- UL Listed and CSA Certified



Covers

- Two and three channel raceway utilize common covers
- Available in single and dual channel cover designs
- Single covers allow access to one service at a time
- Dual channel cover fits over two channels for a seamless look
- Common aesthetics throughout line



Wide Selection of Fittings

- External, internal, flat and tee fittings available to accommodate all types of applications
- Available in both two and three channel versions

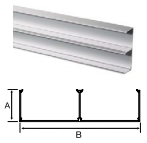


Compatible Cover Plates

- Cover plates can be used for both HBLALU5000 and HBLALU7620 Raceways
- Cover plates offer option for most common power device applications
- Low profile bezel cover accommodates Hubbell iSTATION Modules
- Open System data option available
- Base mounted cover plates available for added strength

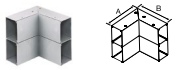
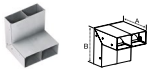
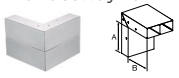
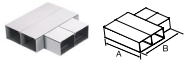
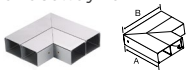
HBLALU5000 Series

HBLALU5000 Series

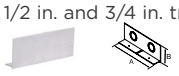
Description	Material	Catalog Number	Description	Material	Catalog Number
Two Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 5.08" (129.03) H: 1.75" (44.45) 	Anodized Aluminum	**HBLALU5000B10** A: 1.66" (42.16) B: 5.08" (129.03)	**Cover (Single Channel)** Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths. 	Anodized Aluminum	**HBLALUC57** A: 2.54" (64.52)

Note: Available in PRE-WIRED.

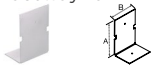
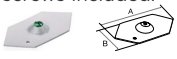
Elbows and Tees

Description	Material	Catalog Number	Description	Material	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run. 	Anodized Aluminum	**HBLALU5017*** A: 6.00" (152.40) B: 6.00" (152.40)	**Inverted Internal Elbow** For connecting a vertical run of HBLALU5000 with a horizontal run with its cover facing up. 	Anodized Aluminum	**HBLALU5017N*** A: 5.91" (150.20) B: 5.98" (151.89)
External Elbow For making a 90° external turn in a raceway run. 	Anodized Aluminum	**HBLALU5018*** A: 6.00" (152.40) B: 6.00" (152.40)	**Tee** For branch connections of two runs of HBLALU5000 Raceway. 	Anodized Aluminum	**HBLALU5015*** A: 9.00" (228.60) B: 8.08" (205.30)
Flat Elbow For making a 90° flat turn in a raceway run. 	Anodized Aluminum	**HBLALU5011*** A: 9.00" (228.60) B: 9.00" (228.60)			

End Fittings

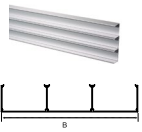
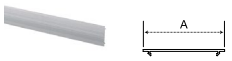
Description	Material	Catalog Number	Description	Material	Catalog Number
Entrance End Fitting For feeding raceway, has concentric 1/2 in. and 3/4 in. trade size KOs. 	Anodized Aluminum	**HBLALU5010B2** A: 5.08" (129.10) B: 1.75" (44.40)	**Blank End Fitting** For closing end of raceway. 	Anodized Aluminum	**HBLALU5010B** A: 5.08" (129.10) B: 1.75" (44.40)

Fittings

Description	Material	Catalog Number	Description	Material	Catalog Number
Cover Clip To cover seam where lengths of HBLALU5000 Raceway come together. 	Stainless Steel	**HBLALU5006** A: 1.38" (34.92)	**Wire Clip** For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway. 	Anodized Aluminum	**HBLALU57WC** A: 1.00" (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run. 	Anodized Aluminum	**HBLALU5717A** A: 3.50" (88.90) B: 2.38" (60.30)	**Grounding Adapter** For connection of equipment grounding. #10-32 locking screws included. 	Galvanized Steel	**HBLALU5709** A: 3.37" (85.50) B: 2.00" (50.83)
Couplings (Pair) To join lengths of HBLALU5000 or HBLALU7620 base. 	Aluminum	**HBLALU5701** A: 2.38" (60.30) B: 4.00" (101.80)			

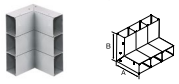
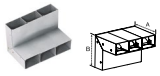
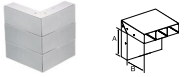
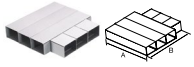
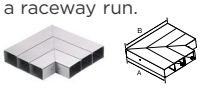
*Note: *HBLALU5701 couplings included. See page U-44 for cover plate*
Dimensions in Inches (mm)

HBLALU7620 Series

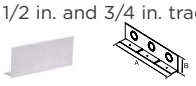
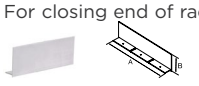
Description	Material	Catalog Number	Description	Material	Catalog Number
Three Channel Base Satin anodized finish. Packed 40 ft. (12.19m) per carton, 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 7.62″ (193.55) H: 2.25″ (57.15) 	Anodized Aluminum	**HBLALU7620B10** A: 2.16″ (54.86) B: 7.62″ (193.55)	**Cover (Single Channel)** Satin anodized finish. Packed 40 ft. (12.19m) per carton, 5 ft. (1.5m) lengths. 	Anodized Aluminum	**HBLALUC57** A: 2.54″ (64.52)

Note: Available in PRE-WIRED.

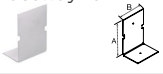
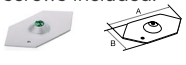
Elbows and Tees

Description	Material	Catalog Number	Description	Material	Catalog Number
Internal Elbow For making a 90° internal turn in a raceway run. 	Anodized Aluminum	**HBLALU7617*** A: 6.50″ (165.10) B: 6.50″ (165.10)	**Inverted Internal Elbow** For connecting a vertical run of HBLALU7620 with a horizontal run with its cover facing up. 	Anodized Aluminum	**HBLALU7617N*** A: 6.50″ (165.10) B: 5.98″ (151.89)
External Elbow For making a 90° external turn in a raceway run. 	Anodized Aluminum	**HBLALU7618*** A: 5.50″ (139.70) B: 5.50″ (139.70)	**Tee** For branch connections of two runs of HBLALU7620 Raceway. 	Anodized Aluminum	**HBLALU7615*** A: 9.00″ (228.60) B: 10.62″ (269.80)
Flat Elbow For making a 90° flat turn in a raceway run. 	Anodized Aluminum	**HBLALU7611*** A: 11.54″ (293.10) B: 11.54″ (293.10)			

End Fittings

Description	Material	Catalog Number	Description	Material	Catalog Number
Entrance End Fitting For feeding raceway, has concentric 1/2 in. and 3/4 in. trade size KOs. 	Anodized Aluminum	**HBLALU7610B2** A: 7.62″ (193.50) B: 2.31″ (58.70)	**Blank End Fitting** For closing end of raceway. 	Anodized Aluminum	**HBLALU7610B** A: 7.62″ (193.50) B: 2.31″ (58.70)

Fittings

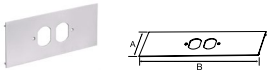
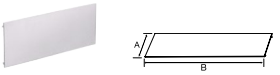
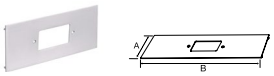
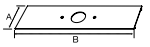
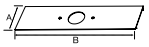
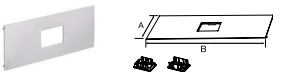
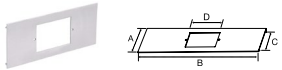
Description	Material	Catalog Number	Description	Material	Catalog Number
Cover Clip To cover seam where lengths of HBLALU7620 Raceway come together. 	Stainless Steel	**HBLALU7606** A: 1.38″ (34.92)	**Wire Clip** For holding conductors in place. Can be used for either HBLALU5000 or HBLALU7620 Raceway. 	Anodized Aluminum	**HBLALU57WC** A: 1.00″ (25.40)
Internal Corner Coupling For butting two raceway sections to form an internal 90° turn in a raceway run. 	Anodized Aluminum	**HBLALU5717A** A: 3.50″ (88.90) B: 2.38″ (60.30)	**Grounding Adapter** For connection of equipment grounding. #10-32 locking screws included. 	Galvanized Steel	**HBLALU5709** A: 3.37″ (85.50) B: 2.00″ (50.83)
Couplings (Pair) To join lengths of HBLALU5000 or HBLALU7620 base. 	Aluminum	**HBLALU5701** A: 2.38″ (60.30) B: 4.00″ (101.80)			

*Note: *HBLALU5701 couplings included. See page U-44 for cover plates.*

Dimensions in Inches (mm)

HBLALU5000 and HBLALU7620 Series

Cover Plates

Description	Material	Catalog Number	Description	Material	Catalog Number
Duplex Receptacle Cover For duplex receptacles and duplex communication frames shown on page U-45. 	Anodized Aluminum	**HBLALU57DR** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57DRBM** (Base Mounted Device)	**Blank Cover** To cover 12 in. (305.00) section of raceway. 	Anodized Aluminum	**HBLALU57BL** A: 2.54" (64.50) B: 12.00" (304.80)
Rectangular Style Line® Cover For Style Line rectangular duplex receptacle, GFCI, surge device or rectangular communication frames shown on page U-45. 	Anodized Aluminum	**HBLALU57G** A: 2.54" (64.50) B: 12.00" (304.80) **HBLALU57GBM** (Base Mounted Device)	**Single Receptacle Cover** For single receptacle with face diameters of 1.56 in. to 1.59 in. (39.62 to 40.39). 	Anodized Aluminum	**HBLALU57F** A: 2.54" (64.50) B: 12.00" (304.80)
Single Receptacle Cover For single receptacle with face diameters of 1.38 in. to 1.39 in. (35.05 to 35.31). 	Anodized Aluminum	**HBLALU57E** A: 2.54" (64.50) B: 12.00" (304.80)	**Ortronics® Cover Plate** For two Ortronics TracJack® or one Series II® datacom insert. Both bezels included. 	Anodized Aluminum	**HBLALU57ABRT** A: 2.54" (64.50) B: 12.00" (304.80)
Hubbell iSTATION Cover For mounting Hubbell iSTATION modules. IMF1GY or IFPxxGY frames and plates on pages U-45 and U-46. 	Anodized Aluminum	**HBLALU57LPB** A: 2.54" (64.50) B: 12.00" (304.80) C: 1.90 (48.26) D: 3.00" (76.20)			

Base Mounted Device Cover Design

No exposed screw holes. Receptacle is securely mounted to the raceway base rather than the cover.



Dimensions in Inches (mm)

Ortronics®, Series II® and TracJack® are registered trademarks of The Ortronics Company.

1. Choose Device Mounting Bracket

Description	Color		HBL4750 Series		HBL6750 Series
Device Mounting Bracket for HBL4750 and HBL6750 Series Metal Raceway.	Ivory Gray		**HBL4750IV** **HBL4750GY**		**HBL6750IV** **HBL6750GY**

2. Choose 1-Gang "KP" Plates

Color		Catalog Number		Catalog Number		Catalog Number		Catalog Number
Office White Gray		**KP8** **KP8GY** Duplex		**KP26** **KP26GY** Style Line®		**KP2162** **KP2162GY** Modular Jacks (2)		**KP7** **KP7GY** Receptacle (1.41 ID)
Office White Gray		**KP14** **KP14GY** Blank		— **KPPANGY** Panduit Mini-Com® Data Module		**KP720** **KP720GY** Receptacle (1.60 ID)		**KP2163** **KP2163GY** Modular Jacks (3)
Office White Gray		**KPIMBZOW** **KPIMBZGY** 3-Unit iSTATION (Accepts all Hubbell iSTATION Modules located in Network Wiring section AA).						

Comm. "IFP" Plates & Frames

Color		Catalog Number		Catalog Number		Catalog Number		Catalog Number
Ivory Gray		**ISF2EI** **ISF2GY** Style Line® 2-Port		**ISF3EI** **ISF3GY** Style Line 3-Port		**ISF4EI** **ISF4GY** Style Line 4-Port		**ISF6EI** **ISF6GY** Style Line 6-Port
Ivory Gray Office White		— **IFP126GY** **IFP126OW** Style Line		— — **IFP18OW** Duplex		**BR106E** **BR106G** Duplex 2-Port		**Q106E** **Q106G** Duplex 4-Port
Ivory Gray		**IFP12EI** **IFP12GY** Flush 2-Port		**IFP13EI** **IFP13GY** Flush 3-Port		**IFP14EI** **IFP14GY** Flush 4-Port		**IFP16EI** **IFP16GY** Flush 6-Port

Note: For HBL3000 series raceway applications, catalog number HBL3051LEIV/GY must be used with plates and devices.
See page U-46 or section AA for additional information on datacom products.

Dimensions in Inches (mm)

Frame Modules and Modular Connector Fittings

1. Choose Plate Frame

Description	Color		HBL4750 Series		HBL6750 Series
Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. Use KPIMBZOW/GY plate with modules for HBL4750 and HBL6750 Series device mounting bracket located on page U-45. See section AA for additional Hubbell iSTATION modules and datacom products.	Ivory Gray		**IMF1EI** **IMF1GY**		**IMF2EI** **IMF2GY**

Note: Each gang accepts 3 module units.

2. Choose Modules

Color		Catalog Number		Catalog Number		Catalog Number		Catalog Number
Ivory Gray		**IMB05EI** **IMB05GY** Blank Module .5 Unit		**IMB1EI** **IMB1GY** Blank Module 1 Unit		**IMB15EI** **IMB15GY** Blank Module 1.5 Unit		
Ivory Gray		**IM1K1EI** **IM1K1GY** Modular Flat 1 Unit		**IM2K1EI** **IM2K1GY** Modular Flat 1 Unit		**IM1KA15EI** **IM1KA15GY** Modular Angled 1.5 Unit		**IM2KA15EI** **IM2KA15GY** Modular Angled 1.5 Unit

Keystone Opening
Hole size for mounting all Hubbell Jacks.



A: .580" (14.73)
B: .760" (19.30)

Modular Connector Fittings

Color		Catalog Number		Catalog Number		Catalog Number
Ivory Gray		**SFFGEI** **SFFGGY** F-Type Coupler Gold		**SFFEX** **SFFGX** F-Type Coupler Nickel		**SFBE10** **SFBG10** Blank (10 Pack)

3.5mm Stereo Jacks

			
Color	**3.5mm to Screw Terminal**	**3.5mm Pass-Thru, F/F Coupler**	**3.5mm Pass-Thru, Gold, F/F Coupler**
Black	**SF35STBK**	**SF35FFBK**	–
Office White	**SF35STOW**	**SF35FFOW**	**SF35GFFOW**
White	**SF35STW**	**SF35FFW**	**SF35GFFW**

Xcelerator Modular Jacks

Color		Catalog Number		Catalog Number		Catalog Number
Ivory Gray		**HXJ5EEI** **HXJ5EGY** Cat. 5e, T568A, T568B, RJ45		**HXJ6EI** **HXJ6GY** Cat. 6, T568A, T568B, RJ45		**HXJUEI** **HXJUGY** 6 Position USOC, RJ25

Note: See section AA for additional Hubbell Xcelerator modular jacks and colors.

Dimensions in Inches (mm)

Metal and Aluminum Raceway Wire Fill Capacities

			Power (THHN/T90 Nylon)			Voice		Data (Copper Cables)					Data (Multimode Fiber Optic Cables)		
			14 AWG	12 AWG	10 AWG	4-Pair	25-Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
		Wire O.D. (in):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
		Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
Series		Channel Area (sq. in.)	Wire Fill Capacity			40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
Metal Raceway															
HBL500		0.22	7	5	3	2	0	1	2	1	1	1	2	8	2
HBL700		0.26	10	7	4	3	0	2	3	2	1	1	3	8	3
HBL750		0.40	12	9	5	6	1	3	5	3	2	2	6	15	6
HBL2000		0.89	7	7	0	13	3	8	10	7	4	5	13	33	12
HBL2000A		0.86	35	26	16	11	2	7	9	7	4	5	13	33	12
HBL2400		1.39	57	41	26	19	4	12	16	11	5	8	19	51	19
HBL2400D	Channel- A	0.86	26	19	11	12	2	7	9	7	3	5	12	31	11
A B	Channel- B	0.37	11	9	6	5	1	3	4	3	1	2	5	13	5
HBL3000		3.70	152	111	70	52	11	32	43	30	15	22	52	136	51
HBL4750	No Barriers	7.20	296	216	136	102	22	63	83	59	30	44	102	264	100
A B	Barrier Centered Ch. A	3.10	127	93	58	44	9	27	36	25	13	19	44	114	43
	Barrier Centered Ch. B	3.30	127	93	58	47	10	29	38	27	14	20	47	121	46
A B	Barrier Offset Ch. A	2.10	86	63	39	30	6	18	24	17	9	13	30	77	29
	Barrier Offset Ch. B	4.30	176	129	81	61	13	37	50	35	18	26	61	158	60
HBL6750	No Barriers	13.77	566	412	259	195	42	120	159	112	57	83	195	505	191
A A A	Barrier Offset 1/3 Ch. A	4.59	189	138	86	65	14	40	53	37	19	28	65	168	64
A B	Barrier Offset 2/3 Ch. B	9.18	379	278	173	130	28	80	106	75	38	56	130	337	128
Aluminum Raceway															
HBLALU2000		1.20	49	36	22	16	3	10	13	9	4	7	16	44	16
HBLALU3800		5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
HBLALU4800	Center Barrier/ Both Channels	11.60	428	312	196	164	35	101	134	95	48	70	164	426	161
	Center Barrier/ 1 Channel	5.80	214	156	98	82	18	50	67	47	24	35	82	213	81
HBLALU5000	Center Barrier/ Both Channels	7.60	312	228	142	106	22	64	86	60	30	46	106	278	104
	Center Barrier/ 1 Channel	3.80	156	114	71	53	11	32	43	30	15	23	53	139	52
HBLALU7620	2 Barriers with 3 Equal Channels/Total	15.00	618	450	282	210	45	129	171	120	60	90	210	549	207
	2 Barriers with 3 Equal Channels/ 1 Channel	5.00	206	150	94	70	15	43	57	40	20	30	70	183	69

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Physical Properties

Material	Galvanized Steel or Anodized Aluminum

Metal PlugTrak Specifications

Receptacle	NEMA 5-15R and NEMA 5-20R
Wire Rating	#12 AWG Stranded Copper
Receptacle Face	Thermoplastic

Codes/Standards

TIA/EIA	569B
UL Standard	UL 5
Listings	E253976 /E253830 /E253833
CSA Standard	C22.2 no. 62
Certification	LR87514

Dimensions in Inches (mm)

Cross Reference

Hubbell Catalog Number	Wiremold® Catalog Number
HBL500 Series	500 Series
HBL502B	502
HBL605CUT	605
HBL600B	600B
HBL605K	605K
HBL500TFIV	N/A
HBL50010IV	V500
HBL504IV	V504
HBL506IV	V506
HBL511IV	V511
HBL512IV	V512
HBL517IV	V517
HBL518IV	V518
HBL750 Series	700 Series
HBL7502B	702
HBL750TFIV	N/A
HBL75010IV	V700
HBL7504IV	V704
HBL7506IV	V706
HBL711IVA	V711
HBL712IVA	V712
HBL717IVA	V717
HBL718IVA	V718
HBL500/HBL750 Series	500/700 Series
HBL5701C	5701
HBL5709	5709
HBL5780	5780
HBL5781	5781
HBL5782C	5782
HBL5781A	5781A
HBL5782A	5782A
HBL5790B	5790B
HBL5752RA	R5752
HBL5753RA	R5753
HBL5700FIVA	V5700F
HBL5703IV	V5703
HBL5711LHIVA	V5711LH
HBL5711RHIVA	V5711RH
HBL5715IVA	V5715
HBL5719IVA	V5719
HBL57242IVA	V57242
HBL5731IV	V5731

Hubbell Catalog Number	Wiremold Catalog Number
HBL5733IVA	V5733
HBL5735IVA	V5735
HBL5736IV	V5736
HBL5737IVA	V5737
HBL5737AIVA	V5737A
HBL5738IVA	V5738
HBL5738AIVA	V5738A
HBL5738AFIVA	V5738AF
HBL5739IVA	V5739
HBL5739AIVA	V5739A
HBL5744IVA	V5744
HBL57442IVA	V5744-2
HBL57443IVA	V5744-3
HBL5744SIVA	V5744S
HBL5744S2IVA	V5744S-2
HBL5744S3IVA	V5744S-3
HBL5745IVA	V5745
HBL5747IVA	V5747
HBL57472IVA	V5747-2
HBL57473IVA	V5747-3
HBL5748IVA	V5748
HBL57482IVA	V5748-2
HBL57483IVA	V5748-3
HBL57484IVA	V5748-4
HBL57485IVA	V5748-5
HBL57486IVA	V5748-6
HBL5751IVA	V5751
HBL57512IVA	V5751-2
HBL57513IVA	V5751-3
HBL5751AIVA	V5751A
HBL5752IVA	V5752
HBL5753IVA	V5753
HBL5760IVA	V5760
HBL5783IVA	V5783
HBL5784IVA	V5784
HBL5785AIVA	V5785
HBL5786IVA	V5786
HBL5786AIVA	N/A
HBL5711BRIVA	N/A
HBL5715BRIVA	N/A
HBL5717BRIVA	N/A
HBL5718BRIVA	N/A

Hubbell Catalog Number	Wiremold Catalog Number
HBL2000 Series	2000 Series
HBL620C	620
HBL2001C	2001
HBL2003SC	2003
HBL2009GC	2009
HBL2000WC	2000WC
HBL2000WCA	N/A
HBL2017TC	2017TC
HBL620BCK	620BCK
HBL2000B5GY	G2000B-5
HBL2000BCGY	G2000BC
HBL2000BCAGY	N/A
HBL2000CGY	G2000C
HBL2000CAGY	G2100C
HBL2006GY	G2006
HBL2010A2GY	G2010A2
HBL2010A3GY	G2010A3
HBL2010BGY	G2010B
HBL2011BRGY	G2011
HBL2015BRGY	G2015
HBL2017BRGY	N/A
HBL2018BRGY	G2018C
HBL2018CGY	G2018C
HBL2048GY	G2048
HBL20482GY	G2048-2
HBL2051HGY	G2051H
HBL2000TFGY	N/A
HBL2000B5IV	V2000B-5
HBL2000BCIV	V2000BC
HBL2000BCAIV	N/A
HBL2000CIV	V2000C
HBL2000CAIV	V2100C
HBL2006IV	V2006
HBL2010A2IV	V2010A2
HBL2010A3IV	V2010A3
HBL2010BIV	V2010B
HBL2011BRIV	V2011
HBL2015BRIV	V2015
HBL2017BRIV	2017TC
HBL2018BRIV	V2018C
HBL2018CIV	V2018C
HBL2048IV	V2048

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Hubbell Catalog Number	Wiremold® Catalog Number
HBL20482IV	V2048-2
HBL2051HIV	V2051H
HBL2089IV	V2089
HBL2089EIV	V2089E
HBL2400/HBL2400D Series	2400/2400D Series
HBL2409GC	2409
HBL2400WC	2400WC
HBL2401DC	2401D
HBL24DRK	N/A
HBL24106RRK	N/A
HBL2400DTFIV	N/A
HBL2400BIV	V2400B
HBL2400B10IV	V2400B-10
HBL2400BCIV	V2400BC
HBL2400BDIV	V2400BD
HBL2400CIV	V2400C
HBL2406IV	V2406
HBL2410AIV	V2410A
HBL2410BIV	V2410B
HBL2410BDIV	V2410BD
HBL2410CIV	V2410C
HBL2410DFOIV	V2410DFO
HBL2410FCIV	V2410FC
HBL2411DFOIV	V2411DFO
HBL2415DFOIV	V2411DFO
HBL2411IV	V2411FO
HBL2415IV	V2415FO
HBL2417DFOIV	V2417DFO
HBL2417IV	V2417FO
HBL2426IV	V2426
HBL2444IVA	V2444
HBL24442IV	V2444-2
HBL2444DIVA	V2444D
HBL2444D2AIV	V2444D-2A
HBL2448IVA	V2448
HBL2451HIV	V2451H
HBL2489IV	V2489
HBL3000 Series	3000 Series
HBL3000BGY	G3000B
HBL3000CEGY	G3000C075

Hubbell Catalog Number	Wiremold Catalog Number
HBL3000CEGY	G3000C195
HBL3000CEGY	G3000CE
HBL3000WCGY	G3000WC
HBL3001GY	G3001
HBL3001AGY	G3001A
HBL3003GY	G3003
HBL3006EGY	G3006E
HBL3007CGY	G3007C
HBL3010AEGY	G3010AE
HBL3010BGY	G3010B
HBL3010CGY	G3010C
HBL3014CGY	G3014C
HBL3017TCEGY	G3017TCE
HBL3018AEGY	G3018AE
HBL3028GY	G3028
HBL3036HEGY	G3036HE
HBL3040CEGY	G3040CE
HBL3043BEGY	G3043BE
HBL30442GY	G3044-2
HBL3046BEGY	G3046BE
HBL3046H2GY	G3046H-2
HBL3051LEGY	G3051LE
HBL3082GY	G3082
HBL3086GY	G3086
HBL3200REDIV	N/A
HBL3200REDGY	N/A
HBL3000TFIV	N/A
HBL3000TFGY	N/A
HBL3000BIV	V3000B
HBL3000C075IV	V3000C075
HBL3000CEIV	V3000C075
HBL3003IV	V3003
HBL3006EIV	V3006E
HBL3010AEIV	V3010AE
HBL3010BIV	V3010B
HBL3010CIV	V3010C
HBL3014CIV	V3014C
HBL3017TCEIV	V3017TCE
HBL3018AEIV	V3018AE
HBL3027AEIV	V3027AE
HBL3028IV	V3028
HBL3036HEIV	V3036HE

Hubbell Catalog Number	Wiremold Catalog Number
HBL3040CEIV	V3040CE
HBL3043BEIV	V3043BE
HBL30442IV	V3044-2
HBL3046BEIV	V3046BE
HBL3046H2IV	V3046H-2
HBL3051LEIV	V3051LE
HBL3086IV	V3086
HBL4750 Series	4000 Series
HBL4751AC	4001A
HBL4750IV	V4050
HBL640C	640C
HBL4750B10GY	G4000B-10
HBL4750C075GY	G4000C075
HBL4750C195GY	G4000C195
HBL640B	640B
HBL4747RXIV	V4047RX
HBL4747RFIV	V4047RF
HBL4747C1GY	G4047C-1
HBL4747BXGY	G4047BX
HBL4747RXGY	G4047RX
HBL4747RFGY	G4047RF
HBL4747JXGY	G4047JX
HBL4747C2GY	G4047C-2
HBL4717NGY	G4017N
HBL4746H2GY	G4046H-2
HBL4718DFOGY	G4018FO
HBL47472BBFFGY	G4047-2BBFF
HBL47472BBSSGY	G4047-2BBSS
HBL47472BBTTGY	G4047-2BBTT
HBL4747AXGY	G4047AX
HBL47472RRXXGY	G4047-2RRXX
HBL4747BFGY	G4047BF
HBL4747BBGY	G4047BB
HBL4747BRGY	N/A
HBL4747BRIV	N/A
HBL4774AGY	G4074A
HBL4750GY	G4050
HBL47472RRXXIV	V4047-2RRXX
HBL47472BBXXIV	V4047-2BBXX
HBL4747BBIV	V4047BB
HBL4747AXIV	V4047AX

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Cross Reference

Hubbell Catalog Number	Wiremold® Catalog Number
HBL4747BFIV	V4047BF
HBL4747BSIV	V4047BS
HBL4747C1IV	V4047C-1
HBL4747BXIV	V4047BX
HBL4747JXIV	V4047JX
HBL4747C2IV	V4047C-2
HBL4750CIV	V4000C
HBL4750B10IV	V4000B-10
HBL4750C31IV	V4000C315
HBL4750C19IV	V4000C195
HBL4711DFOIV	V4011FO
HBL4711IV	V4011
HBL4710DFOIV	V4010DFO
HBL4710IV	V4010
HBL4710BIV	V4010B
HBL4756AIV	V4006
HBL4712TXIV	V4012TX
HBL4750C13IV	V4000C135
HBL4750C07IV	V4000C075
HBL4717DFOIV	V4017FO
HBL4717IV	V4017
HBL4715DFOIV	V4015DFO
HBL4715IV	V4015
HBL4718IV	V4018
HBL4717NIV	V4017N
HBL47472BBBBIV	V4047-2BBBB
HBL47472BBSSIV	V4047-2BBSS
HBL4786AGY	G4086A
HBL4750TFIV	N/A
HBL4747CVM2GY	G6007C-2
HBL4750BP	N/A
HBL4750TFGY	N/A
HBL4756AGY	G4006
HBL4751DA	4001DA
HBL4750CGY	G4000C
HBL4750C135GY	G4000C135
HBL4750C31GY	G4000C315
HBL4750DGY	G4000D
HBL4750WCGY	G4000WC
HBL4710BGY	G4010B
HBL4710DFOGY	G4010DFO
HBL4710GY	G4010

Hubbell Catalog Number	Wiremold Catalog Number
HBL4711DFOGY	G4011FO
HBL4712TXGY	G4012TX
HBL4714AGY	G4014A
HBL4717DFOGY	G4017FO
HBL4717GY	G4017
HBL4786AIV	V4086A
HBL4747CVMIV	V6007C-1
HBL4747CVM2IV	V6007C-2

HBL6750 Series	6000 Series
HBL6751A	6001A
HBL660C	640C
HBL660B	660B
HBL67473BBBBXXGY	G4047-2BBXX (4000 Series 2-Gang)
HBL6747AXXGY	G4047AX (4000 Series 2-Gang)
HBL6747BBBGY	G4047BB (4000 Series 2-Gang)
HBL6747BBTGY	G4047BT (4000 Series 2-Gang)
HBL6747BXXGY	G4047BX (4000 Series 2-Gang)
HBL6747C1GY	V4047C-1 (4000 Series 1-Gang Overlapping)
HBL6747C2GY	V4047C-2 (4000 Series 2-Gang Overlapping)
HBL6747JXXGY	G4047JX (4000 Series 2-Gang)
HBL6747RRFGY	G4047RF (4000 Series 2-Gang)
HBL67473RRRRXXGY	G4047-2RRXX
HBL6750GY	G4050
HBL6750B10GY	G6000B-10
HBL6750CGY	G6000C
HBL6750DAGY	G6000DA
HBL6750WCGY	G6000WC
HBL6751DAGY	G6001DA
HBL6756AGY	G6006
HBL6710BGY	G6010B
HBL6711DFOGY	G6011TX
HBL6711GY	G6011TX
HBL6786GY	G6086
HBL6750C07IV	N/A
HBL6750C07GY	N/A
HBL6750C13IV	N/A
HBL6750C13GY	N/A
HBL6750C19IV	N/A
HBL6750C19GY	N/A

Hubbell Catalog Number	Wiremold Catalog Number
HBL6750C31IV	N/A
HBL6750C31GY	N/A
HBL6715IV	N/A
HBL6717NGY	N/A
HBL6717TCAGY	N/A
HBL6710DFOIV	N/A
HBL6750TFGY	N/A
HBL67473BBBBXXIV	V4047-2BBXX (4000 Series 2-Gang)
HBL6747AXXIV	V4047AX (4000 Series 2-Gang)
HBL6747BBBIV	V4047BB (4000 Series 2-Gang)
HBL6747BBTIV	V4047BT (4000 Series 2-Gang)
HBL6747BXXIV	V4047BX (4000 Series 2-Gang)
HBL6747C1IV	V4047C-1 (4000 Series 1-Gang Overlapping)
HBL6747C2IV	V4047C-2 (4000 Series 2-Gang Overlapping)
HBL6747JXXIV	V4047JX (4000 Series 2-Gang)
HBL6747RRFIV	V4047RF (4000 Series 2-Gang)
HBL67473RRRRXXIV	V4047-2RRXX
HBL6750IV	V4050
HBL6750B10IV	V6000B-10
HBL6750CIV	V6000C
HBL6756AIV	V6006
HBL6710BIV	V6010B
HBL6711DFOIV	V6011TX
HBL6711IV	V6011TX
HBL6786IV	V6086

Metal PlugTrak®	Metal Plugmold
HBL20C215IV	V20-C2
HBL20C215GY	G20-C2
HBL20C315IV	N/A
HBL20C315GY	N/A
HBL20GB306GY	G20GB306
HBL20IG306GY	G20IG306
HBL20GB512GY	G20GB512
HBL20GB606GY	G20GB606
HBL20GB612GY	G20GB612
HBL20GBA609GY	G20GBA609
HBL20GBA618GY	G20GBA618
HBL20IG606GY	G20IG606
HBL24GB306GY	G24GB306

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Hubbell Catalog Number	Wiremold® Catalog Number
HBL24GB506GY	G24GB506
HBL24GB512GY	G24GB512
HBL24GBA512GY	G24GBA512
HBL24GB606GY	G24GB606
HBL24GB612GY	G24GB612
HBL24GB618GY	G24GB618
HBL24GBA612GY	G24GBA612
HBL24GBA618GY	G24GBA618
HBL20GB306IV	V20GB306
HBL20IG306IV	V20IG306
HBL20GB506IV	V20GB506
HBL20GB512IV	V20GB512
HBL20GB606IV	V20GB606
HBL20GB609IV	V20GB609
HBL20GB612IV	V20GB612
HBL20GBA609IV	V20GBA609
HBL20GBA618IV	V20GBA618
HBL20IG606IV	V20IG606
HBL24GB306IV	V24GB306
HBL24GB506IV	V24GB506
HBL24GB512IV	V24GB512
HBL24GBA512IV	V24GBA512
HBL24GB606IV	V24GB606
HBL24GB612IV	V24GB612
HBL24GB618IV	V24GB618
HBL24GBA612IV	V24GBA612
HBL24GBA618IV	V24GBA618

HBLALU2000 Series	ALA2000 Series
HBLALU2000B10	AL2000B-10
HBLALU2000B5	AL2000B-5
HBLALU2000C5	AL2000C-5
HBLALU2000WC	AL2000WC
HBLALU2001	AL2001
HBLALU2003	AL2003
HBLALU2006	AL2006
HBLALU2009	AL2009
HBLALU2010A	AL2010A
HBLALU2010B	AL2010B
HBLALU2011	AL2011
HBLALU2015	AL2015
HBLALU2017	AL2017

Hubbell Catalog Number	Wiremold Catalog Number
HBLALU2018	AL2018
HBLALU2038	AL2038
HBLALU2040A	AL2040A
HBLALU2044	AL2044
HBLALU20442	AL2044-2
HBLALU2047	AL2047
HBLALU20472	AL2047-2
HBLALU2051H	AL2051H

Aluminum PlugTrak®	Aluminum Plugmold®
HBLALU20GB306	AL20GB306
HBLALU20GB506	AL20GB506
HBLALU20GB512	AL20GB512
HBLALU20GB606	AL20GB606
HBLALU20GB618	AL20GB618
HBLALU20GBA618	AL20GBA618
HBLALU20IG506	AL20IG506
HBLALU20IG606	AL20IG606
HBLALU24GB306	N/A
HBLALU24IG306	N/A
HBLALU24GB506	N/A
HBLALU24IG506	N/A
HBLALU24GB606	N/A
HBLALU24GB618	N/A
HBLALU24GBA606	N/A
HBLALU24GBA612	N/A
HBLALU24IG606	N/A

HBLALU3800 Series	ALA3800 Series
HBLALU3800B10	ALA3800B-10
HBLALU3806	ALA3806
HBLALU3810B	ALA3810B
HBLALU3810B1	ALA3810B1
HBLALU3811	ALA3811
HBLALU3815	ALA3815
HBLALU3817	ALA3817
HBLALU3817N	ALA3817N
HBLALU3818	ALA3818
HBLALUC5	ALAC-5
HBLALUWC	ALAWC

Hubbell Catalog Number	Wiremold Catalog Number
HBLALU4800 Series	ALA4800 Series
HBLALU01	ALA01
HBLALU09	ALA09
HBLALU17A	ALA17A
HBLALU4800B10	ALA4800B-10
HBLALU4806	ALA4806
HBLALU4810B	ALA4810B
HBLALU4810B2	ALA4810B2
HBLALU4811	ALA4811
HBLALU4815	ALA4815
HBLALU4817	ALA4817
HBLALU4817N	ALA4817N
HBLALU4818	ALA4818
HBLALUABRT	ALA-ABRT
HBLALUBL	ALA-BL
HBLALUDR	ALA-DR
HBLALUE	ALA-E
HBLALUF	ALA-F
HBLALUG	ALA-G
HBLALUJ	ALA-J
HBLALUN	ALA-N
HBLALULPB	N/A

Touch-Up Paint	Touch-Up Paint
HBLGWEP	GWE-S
HBLIWEP	IWE-S

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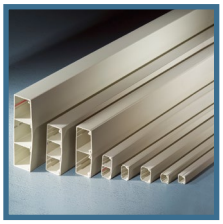
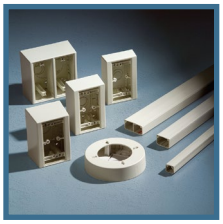
Products at a Glance



Hubbell PolyTrak® Non-Metallic Surface Raceway

- PolyTrak Non-Metallic Surface Raceway is a complete system with raceway, fittings, boxes and devices
- Sizes range from single channel PremiseTrak® to three channel Super BaseTrak for all types of surface raceway requirements
- Single and two channel latching raceways are dual-rated for both power and data applications, reducing inventory requirements
- UL Listed and CSA Certified to 600 volts
- Office white color



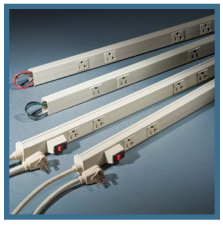
One Box, Three Systems

- Boxes have three cut-aways that can be utilized with WallTrak®, LANTrak and PremiseTrak (Latching) systems
- Reduces inventory requirements
- Eliminates need to order three separate boxes
- Boxes available in low, standard and deep profiles.
- Two-gang divided box available for power, data, voice, audio and video applications
- Boxes utilize Hubbell KP plates or Hubbell iSTATION Modules and Bezels



Flush or Full Capacity Boxes

- Super BaseTrak® and BaseTrak® Raceway offer multiple solutions for box installation
- Super BaseTrak in-line three-gang box allows maximum capacity in a flush design
- Super BaseTrak and BaseTrak® available in single, two and three-gang full capacity boxes
- Two and three channel BaseTrak® (PB2 and PB3) available with one and two-gang in-line boxes
- Full capacity in-line boxes eliminate the need to de-rate the wire fill capacity due to the intrusion of devices into the raceway channel



Non-Metallic PlugTrak®

- Available as hard wired multi-outlet assembly or relocatable power tap
- Hubbell designed and manufactured 15 or 20 Amp receptacles
- UL Listed and CSA Certified
- Available color options in black, white and office white

Hard Wired Multi-Outlet PlugTrak

- Available in 5 ft. (1.5m) or 6 ft. (1.8m) lengths
- Available in single, two circuit and is inherently an isolated ground product
- Multiple spacing configurations
- Hard wired PlugTrak® mates with LANTrak® fittings and boxes
- Tamper-Resistant versions available

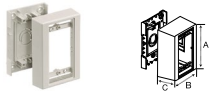
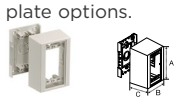
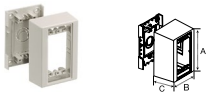
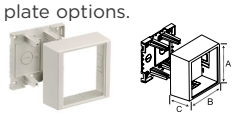
Portable PlugTrak

- Available in 3 ft. (0.9m) or 5 ft. (1.5m) lengths
- 6 ft. (1.8m) length 15 or 20 Amp molded cord set allows reliable access
- Pre-punched holes make mounting easy

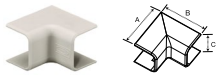
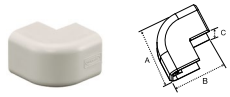
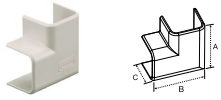
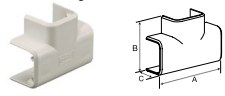
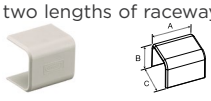
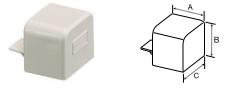
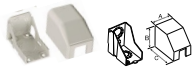
PT1 PremiseTrak

Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths. 	Office White	5 ft. 7 ft.	**PT1BC5** **PT1BC7** A: .68″ (17.27) B: .75″ (19.05)	**PT1ABC5** **PT1ABC7** A: .68″ (17.27) B: .75″ (19.05)

Device Boxes

Description	Color	Catalog Number	Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page U-62 for recommended plate options. 	Office White	**PT12LPB** A: 4.90″ (124.46) B: 3.25″ (82.55) C: 1.12″ (28.45)	**1-Gang Deep Box** For deep devices or applications where additional room is beneficial. See page U-62 for recommended plate options. 	Office White	**PT12DBA** A: 4.90″ (124.46) B: 3.25″ (82.55) C: 1.91″ (48.51)
1-Gang Standard Box For standard switches and receptacles. See page U-62 for recommended plate options. 	Office White	**PT12SBA** A: 4.90″ (124.46) B: 3.25″ (82.55) C: 1.63″ (41.40)	**2-Gang Deep Box** For deep devices or applications where additional room is beneficial. Uses 2-gang “KP”, "IMF", or “IFP” plates for power or data applications. See page U-62 for recommended plate options. 	Office White	**PT12TGB** A: 4.90″ (124.46) B: 5.06″ (128.52) C: 1.91″ (48.51)
Round Lighting Fixture Box To hang fixtures. 	Office White	**PT12LFB** A: 5.31″ (134.87) B: 1.04″ (26.52)			

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow, Cover Only For inside surfaces at right angles. 	Office White	**PT1IE** A: 1.34″ (34.04) B: 1.34″ (34.04) C: 0.89″ (22.61)	**External Elbow, Cover Only** For outside surfaces at right angles. 	Office White	**PT1EE** A: 1.24″ (31.50) B: 1.24″ (31.50) C: 0.88″ (22.35)
Flat Elbow, Cover Only For right angle turns on same surface. 	Office White	**PT1FE** A: 1.33″ (33.78) B: 1.33″ (33.78) C: 0.74″ (18.80)	**Tee, Cover Only** For T-connection off PremiseTrak Raceway. 	Office White	**PT1TC** A: 1.77″ (44.90) B: 1.33″ (33.78) C: 0.74″ (18.80)
Splice Cover For covering potential openings where two lengths of raceway come together. 	Office White	**PT1SC** A: 1.00″ (25.40) B: 0.74″ (18.80) C: 0.89″ (22.61)	**End Cap** For closing end of raceway. 	Office White	**PT1EC** A: 0.88″ (22.35) B: 0.74″ (18.80) C: 0.89″ (22.61)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination 1/2 in., 3/4 in. and 1 in. trade size KOs. 	Office White	**PT12CA** A: 1.64″ (41.66) B: 1.62″ (41.15) C: 2.50″ (63.50)			

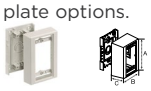
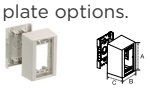
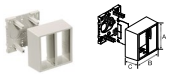
Dimensions in Inches (mm)

PP1 PremiseTrak® (Latching)

PP1 PremiseTrak

Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths. 	Office White	5 ft. 7 ft.	**PP1BC5** **PP1BC7** A: 0.77″ (19.56) B: 0.84″ (21.34)	**PP1ABC5** **PP1ABC7** A: 0.77″ (19.56) B: 0.84″ (21.34)

Device Boxes

Description	Color	Catalog Number	Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page U-62 for recommended plate options. 	Office White	**PDB12LP** A: 4.90″ (124.46) B: 3.25″ (82.55) C: 1.25″ (31.75)	**1-Gang Deep Box** For deep devices or applications where additional room is beneficial. See page U-62 for recommended plate options. 	Office White	**PDB12D** A: 4.90″ (124.46) B: 3.25″ (82.55) C: 2.44″ (61.98)
1-Gang Standard Box For standard switches and receptacles. See page U-62 for recommended plate options. 	Office White	**PDB12S** A: 4.90″ (124.46) B: 3.25″ (82.55) C: 1.78″ (45.21)	**Round Lighting Fixture Box** To hang fixtures. 	Office White	**PDB12LF** A: 5.31″ (134.87) B: 1.29″ (32.77)
2-Gang Deep Divided Box For deep switches, receptacles and communication devices. See page U-62 for single gang “KP” plate options. Comes with removable divider. 	Office White	**PDB12TGD** A: 4.90″ (124.46) B: 5.06″ (128.52) C: 2.44″ (61.98)	**2-Gang Deep Undivided Box** For low voltage applications only. Use with 2-gang “IFP” or “IMF” plates only. See page U-62 for details. 	Office White	**PDB12TGLV** A: 4.90″ (124.46) B: 5.06″ (128.52) C: 2.44″ (61.98)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow Full capacity 1-1/4 in. bend radius internal elbow. 	Office White	**PP1IE*** **PP1IEBC**** A: 2.40″ (60.96) B: 1.03″ (26.16) C: 2.40″ (60.96)	**External Elbow** Full capacity 1-1/4 in. bend radius external elbow. 	Office White	**PP1EE*** **PP1EEBC**** A: 4.47″ (113.54) B: 1.03″ (26.16) C: 4.47″ (113.54)
Flat Elbow Full capacity 1-1/4 in. bend radius flat elbow. 	Office White	**PP1FE*** **PP1FEBC**** A: 2.62″ (66.55) B: 2.62″ (66.55) C: 0.85″ (21.59)	**Tee** Full capacity 1-1/4 in. bend radius tee. 	Office White	**PP1TC*** **PP1TCBC**** A: 4.22″ (107.19) B: 2.62″ (66.55) C: 0.85″ (21.59)
Splice Cover For covering potential openings where two lengths of raceway come together. 	Office White	**PP1SC** A: 1.09″ (27.69) B: 1.02″ (25.91) C: 0.85″ (21.59)	**End Cap** For closing end of raceway. 	Office White	**PP1EC** A: 1.00″ (25.40) B: 0.84″ (21.34) C: 0.77″ (19.56)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination 1/2 in., 3/4 in. and 1 in. trade size KOs. 	Office White	**PLP1CACF** A: 2.29″ (58.17) B: 3.31″ (84.07) C: 3.90″ (99.06)	**Safety Strap** For preventing potential tampering with PP1 PremiseTrak cover. Can also be used as a splice cover. 	Office White	**PP1SS** A: 0.62″ (15.75) B: 1.94″ (49.28) C: 0.86″ (21.84)

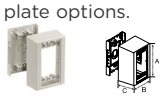
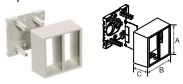
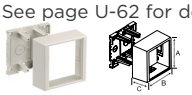
*Note: *Cover only.*
***Base and Cover.*

Dimensions in Inches (mm)

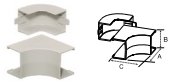
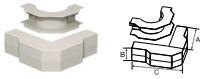
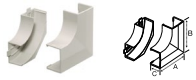
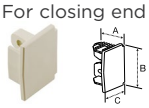
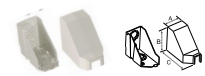
PL1 LANTrak

Description	Color	Length	Without Adhesive	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths. 	Office White	5 ft. 7 ft.	**PL1BC5** **PL1BC7** A: 1.04″ (26.42) B: 1.38″ (35.05)	**PL1ABC5** **PL1ABC7** A: 1.04″ (26.42) B: 1.38″ (35.05)

Device Boxes

Description	Color	Catalog Number	Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page U-62 for recommended plate options. 	Office White	**PDB12LP** A: 4.90″ (124.46) B: 3.25″ (82.55) C: 1.25″ (31.75)	**1-Gang Deep Box** For deep devices or applications where additional room is beneficial. See page U-62 for recommended plate options. 	Office White	**PDB12D** A: 4.90″ (124.46) B: 3.25″ (82.55) C: 2.44″ (61.98)
1-Gang Standard Box For standard switches and receptacles. See page U-62 for recommended plate options. 	Office White	**PDB12S** A: 4.90″ (124.46) B: 3.25″ (82.55) C: 1.78″ (45.21)	**Round Lighting Fixture Box** To hang fixtures. 	Office White	**PDB12LF** A: 5.31″ (134.87) B: 1.29″ (32.77)
2-Gang Deep Divided Box For deep switches, receptacles and communication devices. See page U-62 for single gang “KP” plate options. Comes with removable divider. 	Office White	**PDB12TGD** A: 4.90″ (124.46) B: 5.06″ (128.52) C: 2.44″ (61.98)	**2-Gang Deep Undivided Box** For low voltage applications only. Use with 2-gang “IFP” or “IMF” plates only. See page U-62 for details. 	Office White	**PDB12TGLV** A: 4.90″ (124.46) B: 5.06″ (128.52) C: 2.44″ (61.98)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow Full capacity 1-1/4 in. bend radius internal elbow. 	Office White	**PL1IE*** **PL1IEBC**** A: 2.51″ (63.75) B: 1.57″ (39.88) C: 2.51″ (63.75)	**External Elbow** Full capacity 1-1/4 in. bend radius external elbow. 	Office White	**PL1EE*** **PL1EEBC**** A: 5.06″ (128.52) B: 1.57″ (39.88) C: 5.06″ (128.52)
Flat Elbow Full capacity 1-1/4 in. bend radius flat elbow. 	Office White	**PL1FE*** **PL1FEBC**** A: 3.19″ (81.03) B: 3.19″ (81.03) C: 1.11″ (28.19)	**Tee** Full capacity 1-1/4 in. bend radius tee. 	Office White	**PL1TC*** **PL1TCBC**** A: 4.75″ (120.65) B: 3.15″ (80.01) C: 1.11″ (28.19)
Splice Cover For covering potential openings where two lengths of raceway come together. 	Office White	**PL1SC** A: 1.12″ (28.45) B: 1.55″ (39.37) C: 1.11″ (28.19)	**End Cap** For closing end of raceway. 	Office White	**PL1EC** A: 1.00″ (25.40) B: 1.39″ (35.31) C: 1.04″ (26.42)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination 1/2 in., 3/4 in. and 1 in. trade size KOs. 	Office White	**PLP1CACF** A: 2.29″ (58.17) B: 3.31″ (84.07) C: 3.90″ (99.06)	**Safety Strap** For preventing potential tampering with PL1 LANTrak cover. Can also be used as a splice cover. 	Office White	**PL1SS** A: 0.62″ (15.75) B: 2.68″ (68.07) C: 1.12″ (28.45)

*Note: *Cover only.*
***Base and Cover.*

Dimensions in Inches (mm)

PW1 WallTrak® Low Profile (Latching)

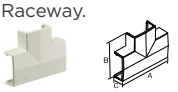
PW1 WallTrak

Description	Color	Length	With Adhesive
Base and Cover Single channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths. 	Office White	5 ft. 7 ft.	**PW1ABC5** **PW1ABC7** A: .50″ (12.70) B: 1.19″ (30.23)

Device Boxes

Description	Color	Catalog Number	Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page U-62 for recommended plate options. 	Office White	**PW1LPB** A: 4.90″ (124.46) B: 3.25″ (82.55) C: 1.13″ (28.70)	**1-Gang Deep Box** For deep devices or applications where additional room is beneficial. See page U-62 for recommended plate options. 	Office White	**PW1DBA** A: 4.90″ (124.46) B: 3.25″ (82.55) C: 1.91″ (48.51)
1-Gang Standard Box For standard switches and receptacles. See page U-62 for recommended plate options. 	Office White	**PW1SBA** A: 4.90″ (124.46) B: 3.25″ (82.55) C: 1.63″ (41.40)	**2-Gang Deep Box** For deep devices or applications where additional room is beneficial. Uses 2-gang "KP" or "IFP" plates for power or data applications. See page U-62 for recommended plate options. 	Office White	**PW1TGB** A: 4.90″ (124.46) B: 5.06″ (128.52) C: 1.91″ (48.51)
Round Lighting Fixture Box To hang fixtures. 	Office White	**PW1LFB** A: 5.31″ (134.87) B: 1.04″ (26.52)			

Fittings

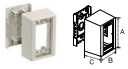
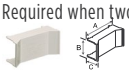
Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow, Cover Only For inside surfaces at right angles. 	Office White	**PW1IE** A: 1.75″ (44.45) B: 1.43″ (36.32) C: 1.75″ (44.45)	**External Elbow, Cover Only** For outside surfaces at right angles. 	Office White	**PW1EE** A: 1.50″ (38.10) B: 1.43″ (36.32) C: 1.50″ (38.10)
Flat Elbow, Cover Only For right angle turns on same surface. 	Office White	**PW1FE** A: 2.18″ (55.37) B: 2.18″ (55.37) C: .60″ (15.24)	**Tee, Cover Only** For T-connection off PremiseTrak® Raceway. 	Office White	**PW1TC** A: 2.93″ (74.42) B: 2.18″ (55.37) C: .60″ (15.24)
Splice Cover For covering potential openings where two lengths of raceway come together. 	Office White	**PW1SC** A: 1.00″ (25.40) B: 1.43″ (36.32) C: .60″ (15.24)	**End Cap** For closing end of raceway. 	Office White	**PW1EC** A: 1.00″ (25.40) B: 1.24″ (31.50) C: .50″ (12.70)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination 1/2 in., 3/4 in. and 1 in. trade size KOs. 	Office White	**PW1CA** A: 1.40″ (35.56) B: 2.34″ (59.44) C: 3.22″ (81.79)			

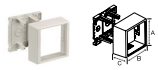
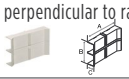
Dimensions in Inches (mm)

PW2 WallTrak

Description	Color	Length	With Adhesive
Base and Cover Two channel raceway. Available in 5 ft. (1.5m) and 7 ft. (2.1m) lengths. 	Office White	5 ft. 7 ft.	**PW2ABC5** **PW2ABC7** A: 1.04" (26.42) B: 2.12" (53.85)

Device Boxes

Description	Color	Catalog Number
1-Gang Low Profile Box For shallow switches and receptacles. See page U-62 for recommended plate options. 	Office White	**PDB12LP** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)
1-Gang Standard Box For standard switches and receptacles. See page U-62 for recommended plate options. If using dual services, the PDB1DIV must be ordered. 	Office White	**PDB12S** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.78" (45.21)
1-Gang Deep Box For deep devices or applications where additional room is beneficial. See page U-62 for recommended plate options. If using dual services, the PDB1DIV must be ordered. 	Office White	**PDB12D** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)
1-Gang Divider For use with PDB12S and PDB12D 1-gang boxes. Required when two services are passing through box. 	Office White	**PDB1DIV** A: 2.79" (70.86) B: 1.40" (35.56) C: 0.94" (23.88)

Description	Color	Catalog Number
Round Lighting Fixture Box To hang fixtures. 	Office White	**PDB12LF** A: 5.31" (134.87) B: 1.29" (32.77)
2-Gang Deep Undivided Box For low voltage applications only. Use with 2-gang "IFP" or "IMF" plates only. See page U-62 for details. 	Office White	**PDB12TGLV** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
2-Gang Deep Divided Box For deep devices or applications where additional room is beneficial. See page U-62 for single gang "KP" plate options. Comes with removable divider. If using dual services, in a perpendicular run the PDB2DIV must be ordered. 	Office White	**PDB12TGD** A: 4.90" (124.46) B: 5.06" (128.52) C: 2.44" (61.98)
2-Gang Divider For use with PDB12TGD 2-gang box only. Required when two services are passing through box and mounting devices perpendicular to raceway. 	Office White	**PDB2DIV** A: 4.62" (117.35) B: 2.76" (70.10) C: 0.94" (23.88)

Fittings

Description	Color	Catalog Number
Internal Elbow Full capacity 1-1/4 in. bend radius internal elbow. 	Office White	**PW2IE*** **PW2IEBC**** A: 2.83" (71.88) B: 2.32" (58.93) C: 2.83" (71.88)
Flat Elbow Full capacity 1-1/4 in. bend radius flat elbow. 	Office White	**PW2FE*** **PW2FEBC**** A: 3.94" (100.08) B: 3.94" (100.08) C: 1.11" (28.19)
Splice Cover For covering potential openings where two lengths of raceway come together. 	Office White	**PW2SC** A: 1.11" (28.19) B: 2.30" (58.42) C: 1.11" (28.19)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination 1/2 in., 3/4 in. and1 in. trade size KOs. 	Office White	**PW2CACF** A: 4.18" (106.17) B: 3.32" (84.33) C: 4.20" (106.68)
End Cap For closing end of PW2 WallTrak Raceway. 	Office White	**PW2EC** A: 1.00" (25.40) B: 2.14" (54.36) C: 1.04" (26.42)

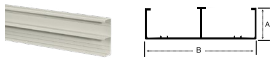
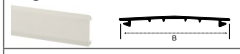
Description	Color	Catalog Number
External Elbow Full capacity 1-1/4 in. bend radius external elbow. 	Office White	**PW2EE*** **PW2EEBC**** A: 5.00" (127.00) B: 2.32" (58.93) C: 5.00" (127.00)
Tee Full capacity 1-1/4 in. bend radius tee. 	Office White	**PW2TC*** **PW2TCBC**** A: 5.42" (137.67) B: 3.91" (99.31) C: 1.90" (48.26)
Safety Strap For preventing potential tampering with PW2 WallTrak Cover. Can also be used as a splice cover. 	Office White	**PW2SS** A: 0.62" (15.75) B: 3.43" (87.12) C: 1.12" (28.45)
Reducer Reduces from PW2 WallTrak Raceway to one or two PP1 PremiseTrak® Raceway(s). 	Office White	**PW2RED** A: 1.62" (41.15) B: 2.40" (60.96) C: 1.15" (29.21)

*Note: *Cover only.*
***Base and Cover.*

Dimensions in Inches (mm)

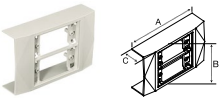
PB2 BaseTrak®

PB2 BaseTrak

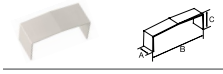
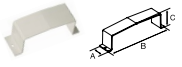
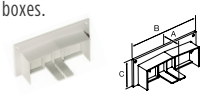
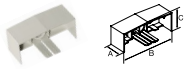
Description	Color	Length	Catalog Number	Description	Color	Length	Catalog Number
Base Two channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. Assembled cover and base dimensions. W: 4.50" (114.30) H: 1.63" (41.40) 	Office White	5 ft. 10 ft.	**PB2B5** **PB2B10** A: 1.42" (36.07) B: 4.50" (114.30)	**Cover** Cover allows access to multiple channels. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. 	Office White	5 ft. 10 ft.	**PB2C5** **PB2C10** B: 4.50" (114.30)
				Split Cover Cover allows separation of channels and access to a single channel. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. Two split covers are required for each raceway section. 	Office White	5 ft. 10 ft.	**PB2SPL5** **PB2SPL10** B: 2.22" (56.39)

Note: Available in PRE-WIRED.

Device Boxes

Description	Color	Catalog Number
2-Gang In-Line Box For switches, receptacles and communication devices. Provides flush look. See page U-62 for recommended single gang "KP" plate options. 	Office White	**PB2IND2G** A: 7.66" (194.56) B: 4.74" (120.40) C: 1.84" (46.74)

Fittings

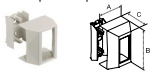
Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow, Base and Cover Full capacity 1-1/4 in. bend radius internal elbow. 	Office White	**PB3IEBCA** A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)	**External Elbow, Base and Cover** Full capacity 1-1/4 in. bend radius external elbow. 	Office White	**PB3EEBCA** A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)
Flat Elbow, Base and Cover Full capacity 1-1/4 in. bend radius flat elbow. 	Office White	**PB3FEBCA** A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)	**Tee, Base and Cover** Full capacity 1-1/4 in. bend radius tee. 	Office White	**PB3TCBCA** A: 7.37" (187.20) B: 7.08" (179.83) C: 2.72" (69.09)
Splice Cover For covering potential openings where two lengths of raceway come together. 	Office White	**PB3SC** A: 1.56" (39.62) B: 4.74" (120.40) C: 1.69" (42.93)	**Safety Strap** For preventing potential tampering with PB2 BaseTrak cover. Can also be used as a splice cover. 	Office White	**PB3SS** A: 1.50" (38.10) B: 6.01" (152.65) C: 1.74" (44.20)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination 1/2 in., 3/4 in., 1 in., 1-1/4 in. and 11/2 in. trade size KOs. 	Office White	**PB2CACF** A: 4.72" (119.89) B: 5.22" (132.70) C: 6.30" (160.02)	**Reducer** Reduces from PB2 BaseTrak Raceway to PW2 WallTrak® Raceway. 	Office White	**PB3REDA** A: 3.50" (88.90) B: 4.72" (119.89) C: 1.73" (43.94)
Transition Fitting Transitions horizontal PB2 BaseTrak to vertical PW2 WallTrak, PL1 LANTrak® or PP1 PremiseTrak®. 	Office White	**PB3TRBC** A: 3.22" (81.79) B: 7.28" (184.91) C: 2.42" (61.47)	**Surface Panel Connector** For connecting PB2 Raceway with surface type panel boxes. 	Office White	**PB3SPCA** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.60" (40.64)
Wire Clip For holding conductors in place. 	Office White	**PB2WC** A: 1.29" (50.20) B: 1.00" (25.40)	**End Cap** For closing end of PB2 BaseTrak® Raceway. 	Office White	**PB3ECA** A: 2.02" (51.31) B: 4.68" (118.97) C: 1.72" (43.69)

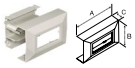
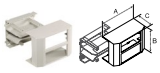
Dimensions in Inches (mm)

PB3 BaseTrak

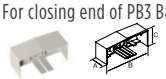
Description	Color	Length	Catalog Number
Base and Cover Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. 	Office White	5 ft. 10 ft.	**PB3BC5** **PB3BC10** A: 1.63" (41.40) B: 4.50" (114.30)

Device Boxes

Description	Color	Catalog Number	Catalog Number	Catalog Number
Full Capacity Boxes 1-, 2- and 3-Gang boxes that allows full capacity from PB3 Raceway to box for either power or datacom applications. See page U-62 for recommended single gang "KP" plate options. 	Office White	**PB3FCIB** (1-Gang) A: 4.38" (111.25) B: 4.80" (121.92) C: 3.17" (80.52)	**PB3FCIB2G** (2-Gang) A: 7.20" (182.88) B: 4.80" (121.92) C: 3.17" (80.52) 	**PB3FCIB3G** (3-Gang) A: 9.96" (252.98) B: 4.80" (121.92) C: 3.17" (80.52) 

Description	Color	Catalog Number	Description	Color	Catalog Number
1-Gang In-Line Box For switches, receptacles and communication devices. Provides flush look. See page U-62 for recommended plate options. 	Office White	**PB3IND** A: 4.90" (124.46) B: 3.25" (82.55) C: 1.25" (31.75)	**2-Gang In-Line Box** For switches, receptacles and communication devices. Barriers allow separation of power and datacom. Removal of barriers allows for expanded capacity. See page U-62 for recommended single gang "KP" plate options. 	Office White	**PB3IND2G** A: 4.90" (124.46) B: 3.25" (82.55) C: 2.44" (61.98)

Fittings

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow Full capacity 1-1/4 in. bend radius internal elbow. 	Office White	**PB3IE*** **PB3IEBCA**** A: 4.36" (110.74) B: 4.72" (119.89) C: 4.36" (110.74)	**Wire Clip** For holding conductors in place. 	Office White	**PB3WC** A: 1.34" (34.10) B: 1.00" (25.40)
Flat Elbow Full capacity 1-1/4 in. bend radius flat elbow. 	Office White	**PB3FE*** **PB3FEBCA**** A: 7.64" (194.66) B: 7.64" (194.66) C: 1.71" (43.43)	**External Elbow** Full capacity 1-1/4 in. bend radius external elbow. 	Office White	**PB3EE*** **PB3EEBCA**** A: 6.48" (164.59) B: 4.72" (119.89) C: 6.48" (164.59)
Splice Cover For covering potential openings where two lengths of raceway come together. 	Office White	**PB3SC*** A: 1.56" (39.62) B: 4.74" (120.40) C: 1.69" (42.93)	**Tee** Full capacity 1-1/4 in. bend radius tee. 	Office White	**PB3TCBCA**** A: 7.37" (187.20) B: 7.08" (179.83) C: 2.72" (69.09)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination 1/2 in., 3/4 in., 1 in., 1-1/4 in. and 11/2 in. trade size KOs. 	Office White	**PB3CACF**** A: 4.72" (119.89) B: 5.22" (132.70) C: 6.30" (160.02)	**Safety Strap** Prevents potential tampering with PB3 BaseTrak cover. Can also be used as a splice cover. 	Office White	**PB3SS*** A: 1.50" (38.10) B: 6.01" (152.65) C: 1.74" (44.20)
Transition Fitting Transitions horizontal PB3 BaseTrak to vertical PW2 WallTrak®, PL1 LANTrak® or PP1 PremiseTrak®. 	Office White	**PB3TRBC**** A: 3.22" (81.79) B: 7.28" (184.91) C: 2.42" (61.47)	**Reducer** Reduces from PB3 BaseTrak Raceway to PW2 WallTrak® Raceway. 	Office White	**PB3REDA**** A: 3.50" (88.90) B: 4.72" (119.89) C: 1.73" (43.94)
Surface Panel Connector For connecting PB3 Raceway with surface type panel boxes. 	Office White	**PB3SPCA*** A: 2.22" (56.39) B: 5.66" (143.76) C: 1.60" (40.64)	**End Cap** For closing end of PB3 BaseTrak Raceway. 	Office White	**PB3ECA*** A: 2.02" (51.31) B: 4.68" (118.97) C: 1.72" (43.69)

*Note: *Cover only.*
***Base and Cover.*

Dimensions in Inches (mm)

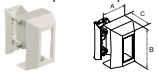
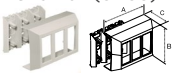
PS3 Super BaseTrak®

PS3 BaseTrak

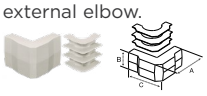
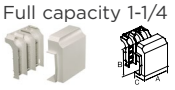
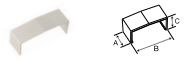
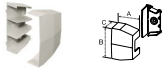
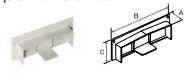
Description	Color	Length	Catalog Number
Base and Cover Three channel raceway. Available in 5 ft. (1.5m) and 10 ft. (3m) lengths. 	Office White	5 ft. 10 ft.	**PS3BC5** **PS3BC10** A: 1.97″ (50.04) B: 6.70″ (170.18)

Note: Available in PRE-WIRED.

Device Boxes

Description	Color	Catalog Number	Catalog Number	Color	Catalog Number
Full Capacity Boxes 1-, 2- and 3-Gang boxes that allows full capacity from PS3 Raceway to box for either power or datacom applications. See page U-62 for recommended single gang “KP” plate options. 	Office White	**PS3FCIB** (1-Gang) A: 4.38″ (111.25) B: 6.95″ (176.53) C: 3.46″ (87.88)	**PS3FCIB2G** (2-Gang) A: 7.20″ (182.88) B: 6.95″ (176.53) C: 3.46″ (87.88) 		**PS3FCIB3G** (3-Gang) A: 9.96″ (252.98) B: 6.95″ (176.53) C: 3.46″ (87.88) 
3-Gang In-Line Box For any combination of power and datacom applications. Provides flush look. See page U-62 for recommended single gang “KP” plate options. 	Office White	**PS3IND** A: 7.00″ (177.80) B: 6.95″ (176.53) C: 2.28″ (57.91)			

Device Boxes

Description	Color	Catalog Number	Description	Color	Catalog Number
Internal Elbow Full capacity 1-1/4 in. bend radius internal elbow. 	Office White	**PS3IE*** **PS3IEBC**** A: 4.36″ (110.74) B: 6.93″ (176.02) C: 4.36″ (110.74)	**External Elbow** Full capacity 1-1/4 in. bend radius external elbow. 	Office White	**PS3EEBC**** A: 6.81″ (172.97) B: 6.93″ (176.02) C: 6.81″ (172.97)
Flat Elbow Full capacity 1-1/4 in. bend radius flat elbow. 	Office White	**PS3FEBC**** A: 9.85″ (250.19) B: 9.85″ (250.19) C: 2.08″ (52.83)	**Tee** Full capacity 1-1/4 in. bend radius tee. 	Office White	**PS3TCBC**** A: 10.00″ (254.00) B: 9.68″ (245.87) C: 3.30″ (83.82)
Splice Cover For covering potential openings where two lengths of raceway come together. 	Office White	**PS3SC*** A: 1.56″ (39.62) B: 6.95″ (176.53) C: 2.03″ (51.62)	**Safety Strap** Prevents potential tampering with PS3 Super BaseTrak cover. Can also be used as a splice cover. 	Office White	**PS3SS** A: 1.50″ (38.10) B: 8.24″ (209.30) C: 2.08″ (52.85)
Conduit Adapter/Ceiling Fitting For connecting conduit to raceway. Also use for ceiling feeds. Has combination 1/2 in., 3/4 in., 1 in., 1-1/4 in. and 1-1/2 in. trade size KOs. 	Office White	**PS3CACF**** A; 6.93″ (176.02) B: 4.32″ (109.73) C: 6.29″ (159.77)	**Reducer** Reduces from PS3 Super BaseTrak Raceway to PB3 BaseTrak Raceway. 	Office White	**PS3RED**** A: 4.81″ (122.17) B: 6.93″ (176.02) C: 2.05″ (52.07)
Surface Panel Connector To connect PS3 Raceway with surface type panel boxes. 	Office White	**PS3SPC*** A: 1.00″ (25.40) B: 7.87″ (199.90) C: 2.54″ (64.52)	**End Cap** For closing end of PS3 Super BaseTrak Raceway. 	Office White	**PS3EC*** A: 1.50″ (38.10) B: 6.88″ (174.75) C: 2.06″ (52.32)
Wire Clip For holding conductors in place. 	Office White	**PS3WC** A: 1.62″ (41.15) B: 1.00″ (25.40)			

*Note: *Cover only. **Base and Cover.*
Dimensions in Inches (mm)

Available in Standard, Isolated Ground (IG), Tamper-Resistant (TR) and USB (U) versions.



USB

Tamper-Resistant

Amp	Circuits	Duplex Recept.	USB Ports	Recept. Spacing (in.)	Black	White	Office White
5 Foot Base and Cover							
15	Single	5	–	12	–	PT155112W	PT155112
15	Two	5	–	12	–	–	PT155212
15	Single	2	–	30	–	–	PT155130
15	TR/Single	5	–	12	PT155112TRBK	PT155112TRW	PT155112TR
20	Single	5	–	12	PT205112BK	–	PT205112
20	Two	5	–	12	–	PT205212W	PT205212
20	Single	4	–	15	PT205115BK	PT205115W	PT205115
20	Two	4	–	15	PT205215BK	–	PT205215
20	TR/Single	5	–	12	–	PT205112TRW	PT205112TR
6 Foot Base and Cover							
15	Single	6	–	12	–	PT156112W	PT156112
15	Two	6	–	12	–	PT156212W	PT156212
15	Single	4	–	18	–	PT156118W	PT156118
15	USB/Single/TR	4	4	12	PT156112UBK	PT156112UW	PT156112U
20	Single	9	–	8	PT206108BK	PT206108W	PT206108
20	Two	9	–	8	–	PT206208W	PT206208
20	Single	6	–	12	PT206112BK	–	PT206112
20	Two	6	–	12	PT206212BK	–	PT206212
20	Single	4	–	18	–	PT206118W	PT206118
20	Two	4	–	18	–	PT206218W	PT206218
20	Single	3	–	24	PT206124BK	–	PT206124
20	Two	3	–	24	–	PT206224W	PT206224

Note: Each Non-Metallic PlugTrak is supplied with one PL1EC end cap and "IG" stickers for isolated ground applications.





PL1MC

Supporting Mounting Clip

Portable

Amp	Length (ft.)	Cord Length (ft.)	Duplex Recept.	USB Ports	Office White
15	3	6	3	–	PT153112P
15	5	6	5	–	PT155112P
20	3	6	2	–	PT203112P
20	5	6	5	–	PT205112P
Supporting Mounting Clip for Portable PlugTrak.					PL1MC

Note: Includes ON/OFF switch and circuit breaker.

Device Boxes

Descript.	Catalog No.	Descript.	Catalog No.
1-Gang Low Profile.	PDB12LP	1-Gang Deep.	PDB12D
1-Gang Standard.	PDB12S	Round Lighting Fixture.	PDB12LF
2-Gang Deep Undivided.	PDB12TGLV	2-Gang Deep Divided.	PDB12TGD

Fittings

Descript.	Catalog No.	Descript.	Catalog No.
Internal Elbow Base and Cover.	PL1IEBC	Internal Elbow Cover Only.	PL1IE
External Elbow Base and Cover.	PL1EEBC	External Elbow Cover Only.	PL1EE
Flat Elbow Base and Cover.	PL1FEBC	Flat Elbow Cover Only.	PL1FE
Tee Base and Cover.	PL1TCBC	Tee Cover Only.	PL1TC
Splice Cover.	PL1SC	Safety Strap.	PL1SS
End Cap.	PL1EC	Conduit Adapter/ Ceiling Fitting.	PLP1CACF

Note: For additional colors add "BK" for Black or "W" for white.
See page U-55 for additional information.

Dimensions in Inches (mm)

1-Gang and 2-Gang "KP" Plates

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Off. White White Black	**KP8** **KP8W** **KP8BK** Duplex	**KP26** **KP26W** **KP26BK** Style Line®	**KP1** **KP1W** **KP1BK** Toggle	**KP7** – **KP7BK** Recept. (1.41 ID)	**KP720** **KP720W** – Recept. (1.60 ID)
Off. White White Black	**KP14** **KP14W** **KP14BK** Blank	**KP212** – – Coax (2)	**KP2162** **KP2162W** **KP2162BK** Modular Jacks (2)	**KP2163** **KP2163W** – Modular Jacks (3)	
Off. White White	**KPORTOW** – Ortronics Series II® Data Module	**KPPANOW** – Panduit Mini-Com® Data Module	**KPIMBZOW** **KPIMBZW** 3-Unit iSTATION (Accepts all Hubbell iSTATION Modules located in Network Wiring section AA)		
Off. White White	**KP82** **KP82W** 2-Gang Duplex	**KP262** **KP262W** 2-Gang Style Line	**KP2** – 2-Gang Toggle	**KP24** **KP24W** 2-Gang Blank	

Note: 2-Gang "KP" plates, for use with PT12TGB and PW1TGB only.

Comm. "IFP" Plates & Frames

Color	Catalog Number	Catalog Number	Catalog Number	Catalog Number	Catalog Number
Office White	**IFP126OW** Style Line	**NS612LA*** Style Line 2-Port	**NS613LA*** Style Line 3-Port	**NS614LA*** Style Line 4-Port	**NS616LA*** Style Line 6-Port
Office White	**IFP18OW** Duplex	**BR106C** Duplex 2-Port	**Q106O** Duplex 4-Port	**IFP12OW** Flush 2-Port	**IFP13OW** Flush 3-Port
Office White	**IFP14OW** Flush 4-Port	**IFP16OW** Flush 6-Port	**IFP26OW** 2-Gang 6-Port	**IFP29OW** 2-Gang 9-Port	**IFP212OW** 2-Gang 12-Port

*Note: *Light Almond (LA) is the same color as Office White (OW).*

Frames & Modules

Description	Color	1-Gang	2-Gang
Front loading plate will accept any modules in three unit combinations. Angled fixtures to be used in bottom opening only. See section AA for additional information on Hubbell iSTATION modules. Each gang accepts 3 module units.	Office White	**IMF1OW**	**IMF2OW**

Modular connectors to be used with any plate with a standard modular opening. Not recommended for use with KP plates. For KP applications use KPIMBZOW bezel and appropriate Hubbell iSTATION modules located in section AA. See section AA for additional information on modular connectors.

Modular Connector Fittings

Color	Catalog Number	Catalog Number	Catalog Number
Office White	**SFFX** F-Connector	**SFSTSOW** ST Fiber Connector	**SFB10** Blank (10 Pack)

Xcelerator Modular Jacks

Color	Catalog Number	Catalog Number	Catalog Number
Office White	**HXJ5EOW** Cat. 5e, T568A, T568B, RJ45	**HXJ6OW** Cat. 6, T568A, T568B, RJ45	**HXJUOW** 6 Position USOC, RJ25

Note: See section AA for additional Hubbell Xcelerator modular jacks and colors.

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Dimensions in Inches (mm)

Non-Metallic Raceway Wire Fill Capacities

			Power (THHN/T90 Nylon)			Voice		Data (Copper Cables)					Data (Multimode Fiber Optic Cables)		
			14 AWG	12 AWG	10 AWG	4-Pair	25-Pair	Type RG59U	Cat. 5e	Cat. 6	Cat. 6A	Cat. 6 STP	(2) or (4) Fiber Round Cable	Fiber Optic Jumpers	Fiber Optic Zip Cord
		Wire O.D. (in.):	0.111	0.13	0.164	0.19	0.41	0.242	0.21	0.25	0.35	0.29	0.19	0.118	.12 X .24
		Wire Area (sq. in.):	0.0097	0.0133	0.0211	0.0283	0.1320	0.0460	0.0346	0.0491	0.0962	0.0660	0.0283	0.0109	0.0288
Series	Channel	Channel Area (sq. in.)	Wire Fill Capacity			40%	40%	40%	40%	40%	40%	40%	40%	40%	40%
PT1	A	0.29	5	8	5	4	1	3	3	2	1	2	4	11	4
PP1	A	0.38	12	11	8	5	1	3	4	3	2	2	5	14	5
PL1	A	1.03	42	34	22	15	3	9	12	8	4	6	15	38	14
PW1	A	0.30	6	10	4	4	0	2	3	2	1	2	4	11	4
PW2 (A B)	A+B	1.60	41	36	22	23	5	14	18	13	7	10	23	59	22
	A	0.81	12	22	12	11	2	7	9	7	3	5	11	30	11
	B	0.79	12	22	10	11	2	7	9	6	3	5	11	29	11
PB2 (A B)	A+B	5.72	60	36	45	81	17	50	66	47	24	35	81	210	79
	A or B	2.86	42	30	28	40	9	25	33	23	12	17	40	105	40
PB3 (A B C)	A+B+C	5.57	60	36	45	79	17	48	64	45	23	34	79	204	77
	A or C	1.80	42	30	28	25	5	16	21	15	7	11	25	66	25
	B	1.97	42	30	28	28	6	17	23	16	8	12	28	72	27
PS3 (A B C)	A+B+C	10.58	72	66	78	150	32	92	122	86	44	64	150	388	147
	A or C	3.41	42	36	42	48	10	30	39	28	14	21	48	125	47
	B	3.76	42	36	42	53	11	33	43	31	16	23	53	138	52

Note: Pathway (Raceway) fill shall be 40% maximum. Raceway fittings and outlets/receptacles reduce the cross section of the raceway system, thus reducing overall cable fill capacity.

Recommended Plate to Box Compatibility Selection Chart

Non-Metallic Raceway Box Series		PS3 Series				PB3 Series					PB2 Series	PDB12 Series			PT12 & PW1 Series	
Plate Style	Sample Catalog Number	IND	FCIB	FCIB2G	FCIB3G	IND	IND2G	FCIB	FCIB2G	FCIB3G	IND2G	LP, S, D	TGD	TGLV	LP(B), S(BA), D(BA)	TGB
1-Gang KP Series Plate	KP8	X	X	X	X	X	X	X	X	X	X	X	X		X	
1-Gang KP Series Bezel	KPIMBZ	X	X	X	X	X	X	X	X	X	X	X	X		X	
1-Gang Standard Data Plate	IFP120W		X	X	X	X		X	X	X		X			X	
1-Gang iSTATION Plate Frame	IMF10W		X	X	X	X		X	X	X		X			X	
Style Line® Data Plate	IFP1260W		X	X	X	X		X	X	X		X			X	
Duplex Data Plate	IFP180W		X	X	X	X		X	X	X		X			X	
2-Gang iSTATION Plate Frame	IMF20W													X		X
2-Gang Standard Data Plate	IFP290W													X		X
2-Gang KP Series Plate	KP82															X

Note: Hubbell Office White plates and devices color match all non-metallic raceway systems.

Physical Properties (When tested in accordance with UL 5A)

Impact Resistance	5 ft. lbs.
Crush Resistance	300 lbs.
Temperature Range	-25.6° to 158° F
Flame Rating	UL94V-0
Material	UV Stabilized PVC

Codes/Standards

EIA/TIA	569A
UL Standard	UL 5A
Listings	E118895 / E119190
CSA Standard	C22.2 no. 62
Certified	LR87514

PlugTrak Specifications

Receptacle Rating	NEMA 5-15R & 5-20R
Wire	#12 AWG Stranded Copper
Receptacle Face	Thermoplastic

Dimensions in Inches (mm)

Pre-Wired Raceway Systems

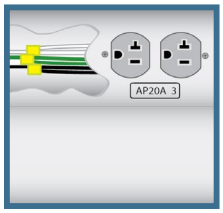


Hubbell has been setting the standard in the electrical industry since 1888, through innovations such as Twist-Lock®, Hospital Grade, and AUTOGUARD™ Self Test GFCI receptacles. Again, Hubbell has listened to our customers for new innovation, capacity requirements, and flexibility. We have taken raceway systems to the next level with Pre-Wired Raceway Systems that are manufactured to your specifications.

Our Pre-Wired Raceway Systems will accommodate your power and data requirements as your facility changes over time. Pre-Wired Raceways provide you with the benefit of keeping your fast track projects on schedule, and helping complete the job on time! Our Pre-Wired Raceway solutions will save up to 45% of the installation time needed for field installing component raceway parts.

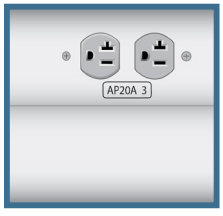
Pre-Wired Raceways are available in:

- Steel (Ivory and Gray)
- Aluminum (Satin Anodized)
- Non-Metallic (Office White)



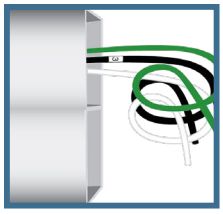
Quality by Design

- All Hubbell Pre-Wired Raceways are UL Listed and CSA Certified
- Each raceway receives a 100% quality inspection and testing prior to shipment
- Pre-Wired Raceway is now available with the high quality and workmanship you have come to expect from Hubbell



Labeling and Engraving

- Optional labeling is available to identify branch panels and circuits at receptacle locations
- Choose from adhesive labels or engraved aluminum plates

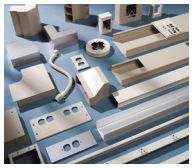


Wire Identification

- Wire leads are clearly labeled with corresponding circuit numbers
- This aids the installer when terminating to building wiring or connecting from duct to duct
- Ample wire is provided at feed locations

Save Time and Money, Completing the Job Quicker and On Schedule, with Hubbell

With Standard Raceway...



- Unpack, identify and sort component parts.
- Deliver components to work area for assembly and installation.



- Measure and cut.
- Clean and de-burr sharp edges.
- Secure to the wall and fasten.

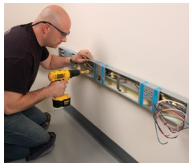


- Pull wire.
- Label and bundle each raceway circuit.
- Install receptacles and test.

With Hubbell Pre-Wired Raceway...



- Pallet delivered to your worksite, labeled by room, floor area and/or building.

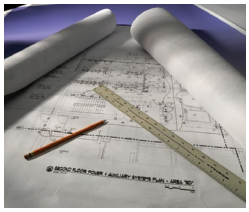


- Unpack and install!



- Installed in half the time!









Project Support and Documentation

- A local and factory support team is there to assist in defining bills of material and project quotes, so costs can be budgeted accordingly.
- A project engineer, located at the factory, is assigned to your project as a direct point of contact.

Manufacturing and Testing

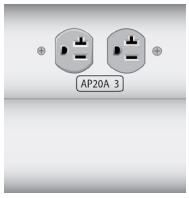
- Precisely measured, cleanly cut, wired and assembled to your specifications.
- The wiring harness is then bundled and labeled for circuit identification for ease of installation.
- Assembly is tested for assured continuity and 100% quality inspected before kitting.

Installs In A Snap

- Raceway ducts are kitted, labeled, and shipped by room, area or floor locations.
- Just remove raceway from the packaging and secure to the wall.
- Make power connections, snap on covers, test and you are done!



Options



Circuit Identification and Labeling:

- Adhesive labeling
- Engraving



Wiring Circuits Options:

- Insulation displacement connectors
- Wire nuts
- Wiring devices

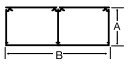
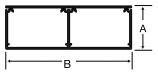
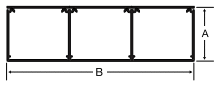


Kit raceway for delivery by:

- Room
- Floor
- Area
- Building

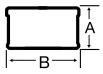
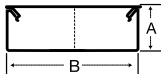
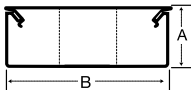
Features and Benefits

Aluminum Pre-Wired Raceway (LINKOSITY® devices may be utilized with this Raceway Series)

Description	Dimension
HBLALU3800 Series Aluminum Raceway	
Aluminum raceway, single channel, satin anodized finish. 	A: 2.25″ (57.15) B: 3.00″ (76.20)
HBLALU4800 Series Aluminum Raceway	
Aluminum raceway, two channel, satin anodized finish. 	A: 2.25″ (57.15) B: 6.00″ (152.40)
HBLALU5000 Series Aluminum Raceway	
Aluminum raceway, two channel, satin anodized finish. 	A: 1.75″ (44.45) B: 5.08″ (129.03)
HBLALU7620 Series Aluminum Raceway	
Aluminum raceway, three channel,satin anodized finish. 	A: 2.25″ (57.15) B: 7.62″ (193.55)

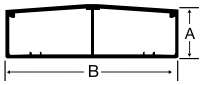
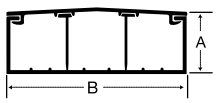


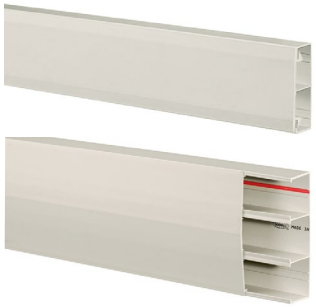
Steel Pre-Wired Raceway (LINKOSITY devices may be utilized with this Raceway Series)

Description	Dimension
HBL3000 Series Metal Raceway	
Steel raceway, single channel, ivory or gray finish. 	A: 1.53″ (38.86) B: 2.75″ (69.85)
HBL4750 Series Metal Raceway	
Steel raceway, single or two channel (with divider), ivory or gray finish. 	A: 1.75″ (44.45) B: 4.75″ (120.65)
HBL6750 Series Metal Raceway	
Steel raceway, single, two channel (with one divider) or three channel (with two dividers), ivory or gray finish. 	A: 2.22″ (56.39) B: 6.75″ (171.45)

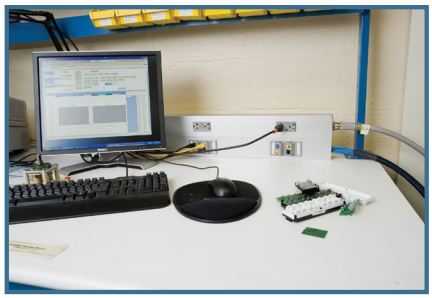


Non-Metallic Pre-Wired Raceway

Description	Dimension
PB2 BaseTrak® Series Non-Metallic Raceway	
Non-metallic raceway, two channel, office white color. 	A: 1.63″ (41.40)B: B: 4.50″ (114.30)
PS3 Super BaseTrak Series Non-Metallic Raceway	
Non-metallic raceway, three channel, office white color. 	A: 1.97″ (50.04) B: 6.70″ (170.18)



Dimensions in Inches (mm)



UL Listed Modular Pre-Wired Raceway Systems Featuring the Flexibility of LINKOSITY® Connections

Hubbell Pre-Wired Metal Raceway with LINKOSITY connections is a Hubbell innovation providing a flexible, modular UL Listed System that allows users to relocate furniture and equipment without the need to access the internal wiring of the raceway. The inherent flexibility of this system greatly reduces the cost of installation and future end-user costs associated with re-configuring space.

The Hubbell Metal Raceway/LINKOSITY combination can be provided as a factory assembled system or by having a licensed electrician purchase and field install the required LINKOSITY components into the metal raceway.

Features	Benefits
UL Listed, NEC Compliant assemblies	Complete code compliance minimizes design time, startup costs and building inspector acceptance
Flexible, modular terminations	Simplifies moves, adds and changes; reduces long term total cost of ownership
Pre-configured, factory wired	Minimizes field wiring; devices are custom configured to the application, tested and ready to install
Cable rated TC-ER, MTW, STOOW	One cable suitable for use in all commercial applications
In-line 106 data/communications frame	Data/Communications may be field installed anywhere along the raceway eliminating large boxes

LINKOSITY

Device Type	Ratings	Wires	Conductor Colors**	Length (FT)
PH = Double Ended Cable with Male/Female Straight **PM** = Male Single Ended Straight **PN** = Male Single Ended 90° **PF** = Female Single Ended Straight **PG** = Female Single Ended 90° **PQ** = Double Ended Cable with Female 90° **PR** = Double Ended Cable with Male 90° **PS** = Double Ended Cable with (2) 90° Connectors **RF** = Female Receptacle* **RM** = Male Receptacle (Inlet)* * 1/2 inch NPT rear thread	**20** = 20A up to 600V	**02** **03** **04** **05**	**PV** = Green/Yellow Black (all others) **PA** = Green/Yellow Black (all others) **PB** = Green/Yellow White Black (all others) **PE** = All Blue*** **other color codes available upon request. ***Two wire only.	**001 =** 1′ **005 =** 5′ **010 =** 10′ **015 =** 15′ **020 =** 20′ **025 =** 25′ **030 =** 30′ **035 =** 35′ **040 =** 40′ **045 =** 45′ **050 =** 50′
	23 = 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and 10AWG super neutral conductor on 5 and 6 wire devices)	**03** **04** **05** **06**		
	30 = 30A up to 600V	**04**		
Example:	**PH**	**23**	**06**	**PV**	**005**

Cable Assemblies



The LINKOSITY cable assemblies are code compliant with the NEC® and NFPA 79, and suitable for use in virtually any environment as either a permanent or temporary installation.

Receptacles



The UL Listed LINKOSITY male inlets or female receptacles provide the capability of interfacing directly with facility wiring by simply mounting into established fixed enclosures.

Closure Caps



Protects unused devices from the harmful effects of harsh environments.



Tees

Description	Catalog Number
LINKOSITY M/F/F Tee, 20A, 2P	**TX2002002002T00**
LINKOSITY M/F/F Tee, 20A, 3P	**TX2003002003T00**
LINKOSITY M/F/F Tee, 20A, 4P	**TX2004002004T00**
LINKOSITY M/F/F Tee, 20A, 5	**TX2005002005T00**
LINKOSITY M/F/F Tee, 20A SNIG, 4P	**TX2304002304T00**
LINKOSITY M/F/F Tee, 20A SNIG, 6P	**TX2306002306T00**
LINKOSITY M/F/F Tee, 20A SNIG, A Phase Tap	**TX2306002304A00**
LINKOSITY M/F/F Tee, 20A SNIG, B Phase Tap	**TX2306002304B00**
LINKOSITY M/F/F Tee, 20A SNIG, C Phase Tap	**TX2306002304C00**
LINKOSITY M/F/F Tee, 30A, 4P	**TX3004003004T00**

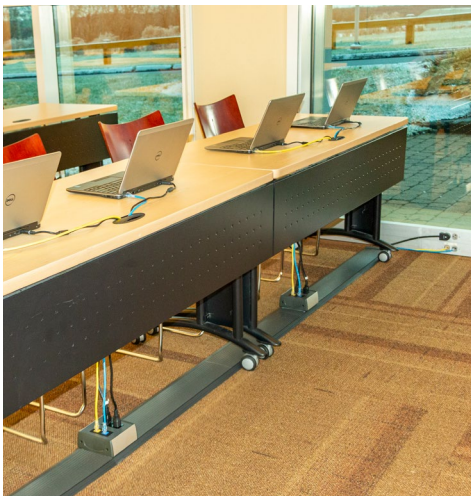
Specifications

Material	
Raceway	Steel, Anodized Aluminum
LINKOSITY Cables	UL 600V Type TC-ER, MTW, STOOW, polyurethatne overmolded terminations
Codes/Standards	
Raceway	UL5, surface metal raceway and fittings C22.2 no. 62, surface metal raceway and fittings TIA/EIA 569B, commercial building standard for telecom pathways and spaces
LINKOSITY	UL2238, UL50

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Dimensions in Inches (mm)

FloorTrak™ PRO System



Modular On-Floor Power, Data and AV Delivery System

- cULus Listed
  - All In One Kits assembled from cULus Listed items
- ADA compliant
- Power and data separations
- Abrasion resistant edges

Safely Route Power And Data Over Floor And In Floor With A Low Profile System

- Wall to conference table
- Under furniture
- Wall feeds in low and high profiles
- Removable dividers and knockouts



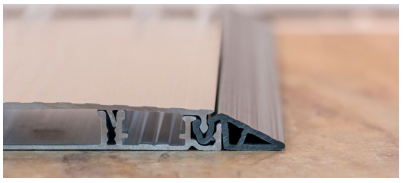
Dark Gray Finish

Aluminum Finish



Left channel:	0.29 in²	Up to 8x #12 THHN conductors
Center channel:	0.67 in²	Up to 9x 0.215 inch diameter conductors
Right channel:	0.29 in²	Up to 8x #12 THHN conductors

Surface Mount



Variable Mount



0.21" to 0.375" in floor thickness

Flush Mount



0.50" in floor thickness

FloorTrak PRO Track

Includes: • Precision cut extruded aluminum base and covers • Surface and variable edges • Splices included



Track

Description	Aluminum	Dark Gray
6' Length, base, cover and edges.	HBLFMR6A	HBLFMR6DG
3' Length, base, cover and edges.	HBLFMR3A	HBLFMR3DG
1' Length, base, cover and edges.	HBLFMR1A	HBLFMR1DG
1', 2' & 3' Lengths, base, cover and edges.	HBLFMR123A	HBLFMR123DG



Angles

45 Degrees.	HBLFMC45A	HBLFMC45DG
90 Degrees.	HBLFMC90A	HBLFMC90DG
T-Fitting.	HBLFMTA	HBLFMTDG



Accessories

Description	Catalog Number
Flush mount edges, 4 pieces, 3' each.	HBLFMRFE
Steel splices, 6pk.	HBLFMSPL

FloorTrak PRO Ends

Includes: Cover with concealed hardware



Wall Feed

Description	Aluminum	Dark Gray
Wall feed, low profile.	HBLFMWLA	HBLFMWLDG
Wall feed, high profile.	HBLFMWHA	HBLFMWHDG
Wall feed, from raceway.	HBLFMWRA	HBLFMWRDG

Accessories

Description	Catalog Number
Track End Stop, (dark gray).	HBLFMES
Track End with Cable Out (dark gray).	HBLFMEX
4" FRPT feed (dark gray).	HBLFMWPF
Power pole feed (dark gray).	HBLFMWPB
Conduit feed (dark gray).	HBLFMWCF



All In One Kits

Prewired fitting and easy to configure kits with all components needed for a total solution that is ready to use.

Includes: • 1', 2', and 3' precision cut bases and covers • Surface mount and variable mount edge • Wired device fitting • Splices for trak

Wired Device Box

Description	Dark Gray
2 Gang: 2X NEMA 5-15R duplex, 9'10" cord.	HBLFMPDD10DG
2 Gang: 2X NEMA 5-15R duplex, 15'6" cord.	HBLFMPDD15DG



FloorTrak PRO Device Fittings

Includes: Configurable device fitting for configuring with power and data

Accessories

Description	Catalog Number
2-Gang Decorator: 1 Power & 1 Data.	HBLFMD1P1D
2-Gang Decorator: 2 Power.	HBLFMD2P
2-Gang Decorator: 2 Data.	HBLFMD2D
3-Gang Decorator: 2 Power & 1 Data.	HBLFMD2P1D
3-Gang Decorator: 1 Power & 2 Data.	HBLFMD1P2D
2-Gang; 1 Decorator, 1 KO (3/4" + 1"): 1 Power & 1 Data.	HBLFMD1D1K



Dimensions in Inches (mm)

Notes

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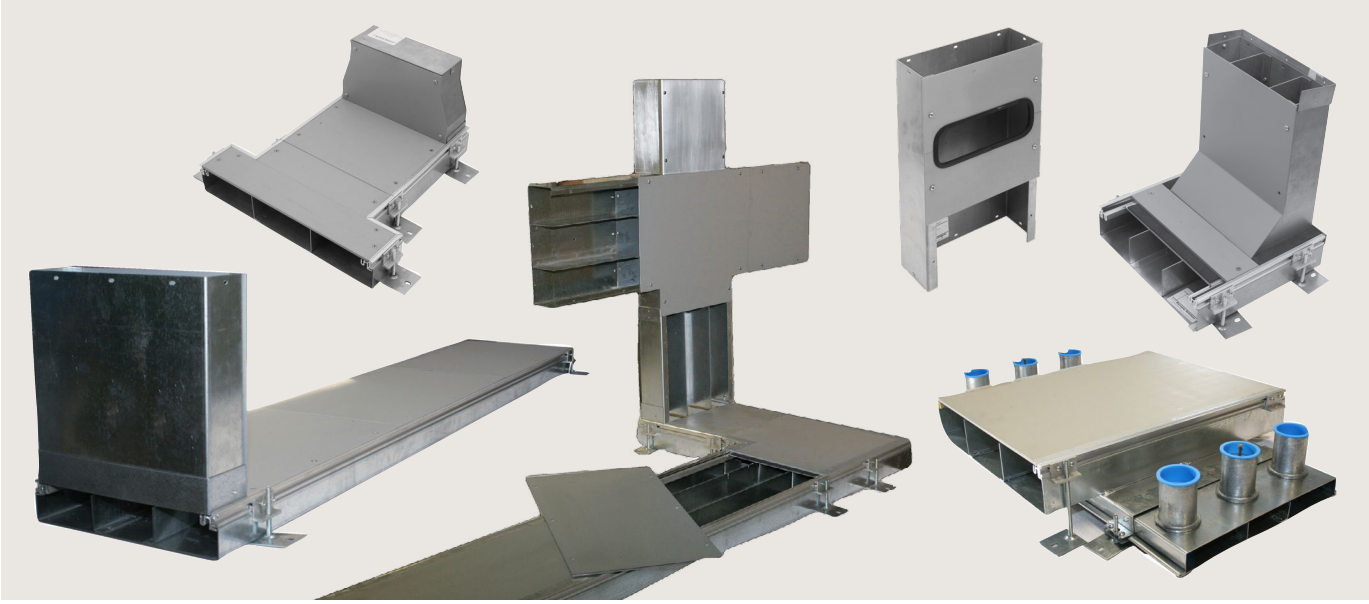

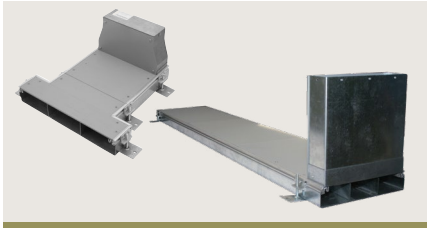

Hubbell Trench Duct Series



Hubbell Wall Duct Series



Hubbell Underfloor Duct Series

Hubbell Trench Duct Series

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- Additional Trench Duct Fittings V-5

Hubbell Wall Duct Series

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- Wall Duct Series and Fittings V-7
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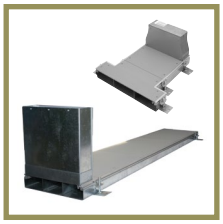
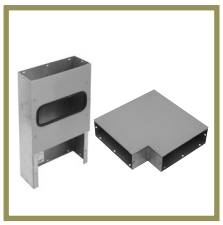
Products at a Glance



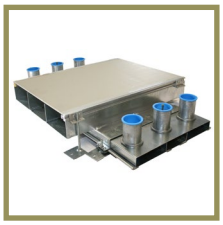
Hubbell Trench Duct Series

The Hubbell Trench system is an in-floor wire management system that meets today's high capacity wiring needs that require multiple circuit separation. Trench duct is commonly used as a feeder system for medical wall duct when installing radiology equipment such as X-Ray and MRI machines.



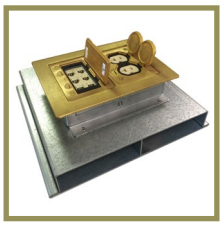
Hubbell Wall Duct Series

The Hubbell Wall Duct is available in either flush or surface mount and a combination will usually be required on any job. Vertical runs in the walls are usually flush mounted with horizontal runs on walls and all duct in ceiling plenum are typically surface type.



Hubbell Underfloor Duct Series

The Hubbell Underfloor Duct system is an in-slab wire management product for delivering power, voice and data services for applications that include retail facilities, open office workstations, fitness centers, casinos, medical facilities and libraries.



Underfloor Duct Raceway Activation Kits

The Hubbell Underfloor Duct Raceway Activation Kits are available in both brass and brushed aluminum to meet aesthetic requirements. Hubbell's ScrubShield Complies with UL514A scrub water requirements. Versatile flanged design may be used for tile, wood, carpet, terrazzo and bare concrete applications. One-, two-, and three-gang options available. Uniform design to Hubbell floor boxes.

Features and Benefits

The Hubbell Trench System is a UL Listed in-floor wire management system that meets today's high capacity wiring needs requiring multiple circuit separation. Trench duct is commonly used as a feeder system for medical wall duct when installing radiology equipment, such as X-Ray and MRI machines. Trench duct is also used as a stand alone system for commercial and retail applications where ease of access and high capacity are crucial.

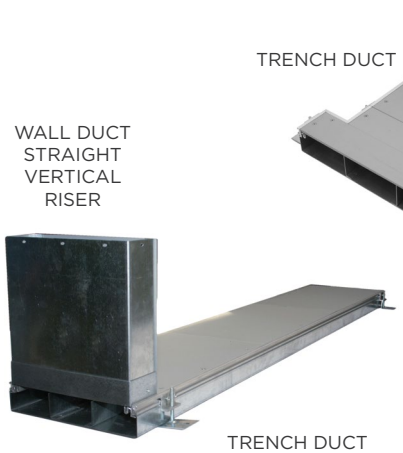


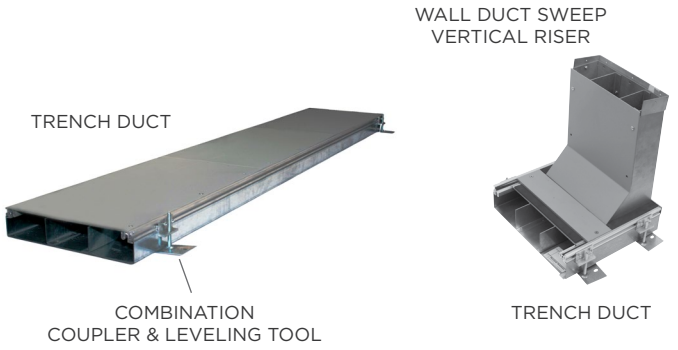
Multiple compartments provide more capacity than conventional ducts.

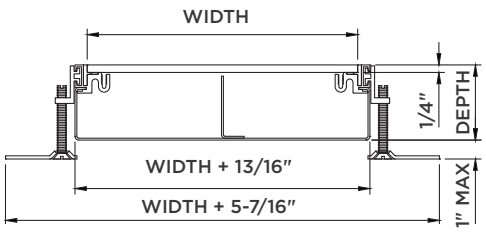
The Hubbell Trench System provides more capacity than conventional conduits and ducts. It features a single, high-capacity duct with multi-compartments for easy placement of additional wiring.

The open top design allows wiring to be laid in the duct instead of being pulled, eliminating the need for junction boxes.

Removable covers are 1/4" thick and lock into the track of the trench. Internal dividers and/or support strips increase load capacity of heavy-duty covers. These removable covers allow free access to wiring and can be placed anywhere along the duct for easy wire exit relocation.







Trench Duct Range of Offering

Trench Product	Depth 1/2" Increments	Width	Compartments	Cover Plate
OKA = Trench **OKB** = Pull Box **OKC** = Exit Cover **OKE** = End Cap **OKL** = Horizontal L **OKR** = Vertical Riser **OKT** = T Junction Box **OKX** = X Junction Box	**A** = 2" **B** = 2-1/2" **C** = 3" **D** = 3-1/2" **E** = 4" **J** = 6" **N** = 8" (OtherDepths Available)	**6** **9** **12** **18** **24** (Other Widths Avail.)	**1C** = 1 Compartment **2C** = 2 Compartment **3C** = 3 Compartment **4C** = 4 Compartment	**1/4** = 1/4" thick

Note: For Alumimum Trench Duct or Fittings, add "AL" suffix to catalog number.

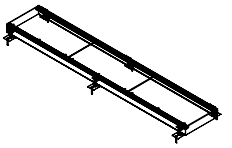
Dimensions in Inches (mm)

Hubbell Trench Duct Series and Fittings

Ordering Information Notes:

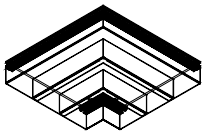
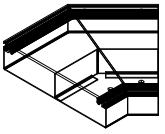
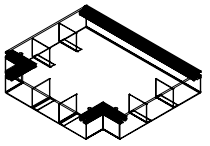
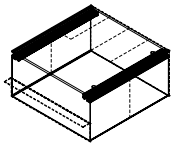
1. *Common use sizes are listed below. Contact factory for other configurations or see page V-3 for Range of Offering table.*
2. *Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part number. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

Trench Duct

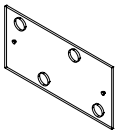
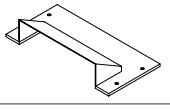
Description	Trench Depth	Cover Width	No. of Compartments	Catalog Number	
Straight Section Manufactured in standard 6′ lengths with factory installed dividers. Provided with (3) leveling feet/couplers on each side, (3) 24″ long cover plates and (3) cover plate joint protectors. Leveling feet permit 1″ of vertical pre-pour adjustment. Consult factory for additional vertical adjustment.	2-1/2″ 3″ 2-1/2″ 3″ 2-1/2″ 3″ 2-1/2″ 3″	9″ 9″ 12″ 12″ 18″ 18″ 24″ 24″	1 2 2 3 3 4 3 4	**OKA/B9-1C-1/4** **OKA/C9-2C-1/4** **OKA/B12-2C-1/4** **OKA/C12-3C-1/4** **OKA/B18-3C-1/4** **OKA/C18-4C-1/4** **OKA/B24-3C-1/4** **OKA/C24-4C-1/4**	

Note: For Alumimum Trench Duct or Fittings, add "AL" suffix to catalog number.

Fittings

Description	Outside Cover	No. of Compartments	Catalog Number	
Horizontal "L" Fitting Manufactured with a single cover and matching internal partitions to form a 90° horizontal "L". Includes cover plate joint protectors and leveling feet.	12″ x 12″ 12″ x 12″ 15″ x 15″ 15″ x 15″ 21″ x 21″ 21″ x 21″ 27″ x 27″ 27″ x 27″	1 2 2 3 3 4 3 4	**OKL/B9-1C-1/4** **OKL/C9-2C-1/4** **OKL/B12-2C-1/4** **OKL/C12-3C-1/4** **OKL/B18-3C-1/4** **OKL/C18-4C-1/4** **OKL/B24-3C-1/4** **OKL/C24-4C-1/4**	
Horizontal 45° Elbow Fitting Manufactured with a split cover plate and matching internal partitions to form a 45° Mitered "L". Other angles available. Includes cover plate joint protectors and leveling feet.	45° 45° 45° 45° 45° 45° 45° 45°	1 2 2 3 3 4 3 4	**OKL45/B9-1C-1/4** **OKL45/C9-2C-1/4** **OKL45/B12-2C-1/4** **OKL45/C12-3C-1/4** **OKL45/B18-3C-1/4** **OKL45/C18-4C-1/4** **OKL45/B24-3C-1/4** **OKL45/C24-4C-1/4**	
Single Level "T" Junction Fitting Manufactured with matching internal partitions and crossovers to isolate power and communications. Includes cover plate joint protectors and leveling feet.	15″ x 12″ 15″ x 12″ 18″ x 15″ 18″ x 15″ 24″ x 21″ 24″ x 21″ 30″ x 27″ 30″ x 27″	1 2 2 3 3 4 3 4	**OKT/B9-1C-1/4** **OKT/C9-2C-1/4** **OKT/B12-2C-1/4** **OKT/C12-3C-1/4** **OKT/B18-3C-1/4** **OKT/C18-4C-1/4** **OKT/B24-3C-1/4** **OKT/C24-4C-1/4**	
Pull Box Manufactured to attach to trench section replacing end cap. Divided into compartments as required. Additional depth permits attachment of large conduits. Box is field punched for conduits. Standard depth is 6." Also available as a stand-alone SPOKB solid-sided floor box with trench rails on all 4 sides. Consult factory for details.	9″ x 12″ 9″ x 12″ 12″ x 12″ 12″ x 12″ 18″ x 12″ 18″ x 12″ 24″ x 12″ 24″ x 12″	1 2 2 3 3 4 3 4	**OKB/B9-1C-1/4** **OKB/C9-2C-1/4** **OKB/B12-2C-1/4** **OKB/C12-3C-1/4** **OKB/B18-3C-1/4** **OKB/C18-4C-1/4** **OKB/B24-3C-1/4** **OKB/C24-4C-1/4**	

Exit Cover Fittings

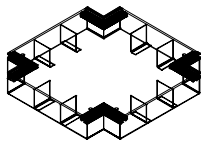
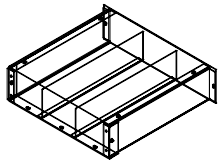
Description	Trench Width	Catalog Number	
Exit Cover Designed to provide exit and feed for Trench Duct. Conduit openings are provided for power and communication exit or feed using conventional conduit fittings or service fittings. Exit Cover may be placed anywhere along the length of the trench. All Exit Covers are 6" long. Hole sizes and placement are specified at time of order.	9″ 12″ 18″ 24″	**OKC/9-xx** **OKC/12-xx** **OKC/18-xx** **OKC/24-xx**	
Access Hood Similar to Exit Cover except provided with a louvered opening for communication cables. Consult factory for custom Access Hoods.	9″ 12″ 18″ 24″	**OKHOOD-9** **OKHOOD-12** **OKHOOD-18** **OKHOOD-24**	

Dimensions in Inches (mm)

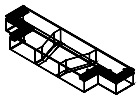
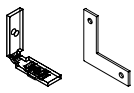
Ordering Information Notes:

1. *Common use sizes are listed below. Contact factory for other configurations or see page V-3 for Range of Offering table.*
2. *Trench Duct part numbers are for reference only. All Trench Duct orders are lot billed with a generic TW prefix project specific part number. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

Fittings

Description	Fits Trench Dim. (Width x Depth)	Max Trade Size Conduit	Catalog Number	
End Cap Fits over end of trench run to close trench and prevent foreign material from entering. End cap may be drilled to accept conduit.	9″ x 2-1/2″ 9″ x 3″ 12″ x 2-1/2″ 12″ x 3″ 18″ x 2-1/2″ 18″ x 3″ 24″ x 2-1/2″ 24″ x 3″	3/4″ 1″ 3/4″ 1″ 3/4″ 1″ 3/4″ 1″	**OKE/B9** **OKE/C9** **OKE/B12** **OKE/C12** **OKE/B18** **OKE/C18** **OKE/B24** **OKE/C24**	
Description	**Outside Cover**	**No. of Compartments**	**Catalog Number**	
Single Level “X” Junction Fitting Manufactured with matching internal partitions and crossovers to isolate power and communications. Includes cover plate joint protectors and leveling feet.	15″ x 15″ 15″ x 15″ 18″ x 18″ 18″ x 18″ 24″ x 24″ 24″ x 24″ 30″ x 30″ 30″ x 30″	1 2 2 3 3 4 3 4	**OKX/B9-1C-1/4** **OKX/C9-2C-1/4** **OKX/B12-2C-1/4** **OKX/C12-3C-1/4** **OKX/B18-3C-1/4** **OKX/C18-4C-1/4** **OKX/B24-3C-1/4** **OKX/C24-4C-1/4**	
Description	**Fits Trench Width**	**No. of Compartments**	**Catalog Number**	
Vertical Riser Fitting (Straight) Manufactured to transition from trench duct to a panel, pull box or to conduit. Mounts on trench in place of cover. Partitioned to separate cells and flanged to attach to a pull box or panel. Removable front cover and top cover. Standard height above finish floor —12″. Standard depth —3-1/2″. Available in a sweep version (replace OKR with OKSWR).	9″ 9″ 12″ 12″ 18″ 18″ 24″ 24″	1 2 2 3 3 4 3 4	**OKR/D9-1C** **OKR/D9-2C** **OKR/D12-2C** **OKR/D12-3C** **OKR/D18-3C** **OKR/D18-4C** **OKR/D24-3C** **OKR/D24-4C**	

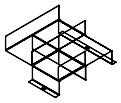
Additional Fittings

Description	Trench Width #1	Trench Width #2	Catalog Number	
Reducer Fitting Manufactured to transition from a wide trench duct width to a narrower trench duct width.	9″ 12″ 18″ 24″	6″ 9″ 12″ 18″	**OKARED/B9-6-2C-1/4** **OKARED/B12-9-3C-1/4** **OKARED/B18-12-3C-1/4** **OKARED/B24-18-4C-1/4**	
Fastening Angles Accessories to join trench sections for field fabrication of horizontal and vertical assemblies.	Horizontal Angle Vertical Angle	— —	**OK/VWI** **OK/VVW**	

Trench Duct Accessories

Description	Accessory Type	Catalog Number
Permits 1″ of pre-pour vertical adjustment and couples sections together. “x” represents screw height (max. 6″) and height of trench. Additional vertical adjustment is available by increasing the length of screw “x”.	Single Leveling Foot Assembly	**OK/F-x**
Provides a 1-1/2″ wide surface (with gasket) for cover plate joints. “x” represents trench width.	Single Cover Plate Joint Protector	**OK/DSD-x**
Separates trench duct compartments. “x” represents trench depth (see catalog number system).	Divider	**OKP/x**
Provided with 5/16” x 18” bolts on 6″ or 12″ centers for increased cover plate weight loading capability.	Support Stud Strip	Consult Factory

Tunnel Fittings

Description	Type	No. of Compartments	Catalog Number	
Tunnels Factory installed inside of multi-compartment “T” and “X” units to maintain separation of services. May be ordered separately and field installed.	"T" Unit "X" Unit	2, 3, or 4 2, 3, or 4	Consult Factory Consult Factory	

Dimensions in Inches (mm)

Hubbell Wall Duct

Features and Benefits

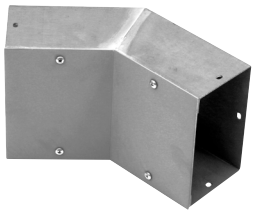
The Hubbell Wall Duct Series is a UL Listed metal raceway system designed for the enclosure of wiring for MRI or X-Ray equipment in medical applications. The system provides complete lay-in wiring capability in order to accommodate the large cables and connectors used in today's installations.

Hubbell Wall Duct is available in either flush or surface mount and a combination will usually be required on any job. Vertical runs in the walls are usually flush mounted with horizontal runs on walls and all duct in ceiling plenum are typically surface type.

Wall Duct is available in ferrous steel and non-ferrous aluminum versions.

- Lay in wiring accommodates large cables and connectors to connect equipment
- Corrosion resistant galvannealed A60 steel or non ferrous aluminum versions
- Steel Wall Duct is provided with unpainted bodies and gray primered cover plates; custom painted wall duct is available
- Flush (primarily wall) and Surface (primarily ceiling) mount provides flexibility to address specific equipment placement and unique room design requirements
- Hubbell Wall Duct is utilized with Hubbell Trench Duct
- Packaging and labeling by project floor and room is available





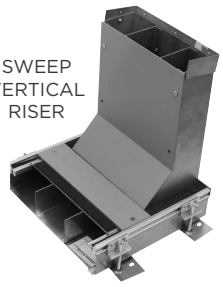
45 DEGREE
INTERNAL ELBOW



WALL DUCT WITH
SPLIT COVER PLATE



HORIZONTAL ELBOW



SWEEP
VERTICAL
RISER

TRENCH DUCT

Wall Duct Range of Offering

Wall Duct Product		Depth 1/2" Increments	Width	Cover Style
OWA = Wall Duct **OWB** = Adapter **OWC** = Coupling **OWD** = Reducer Coupling **OWE** = End Closure **OWF** = Cabinet Connector **OWH** = Horizontal Elbow	**OWI** = Internal Elbow **OWL** = External Elbow **OWP** = Partition **OWR** = Vertical Riser **OWT** = T Unit **OWV** = Trench to Wall Duct Adapter **OWX** = X Unit	**A** = 2" **B** = 2-1/2" **C** = 3" **D** = 3-1/2" **E** = 4" **J** = 6" **N** = 8" (Other Depths Available)	**6** **10** **12** **18** (Other Widths Available)	**S** = Surface **F** = Flush

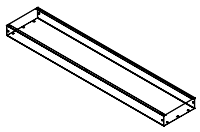
Note: For Alumimum Wall Duct or Fittings, add "AL" suffix to catalog number.

Dimensions in Inches (mm)

Ordering Information Notes:

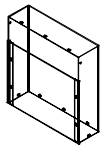
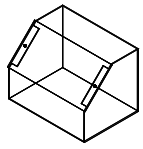
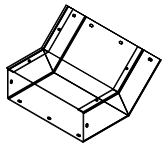
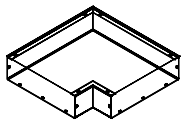
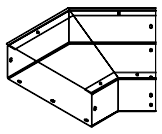
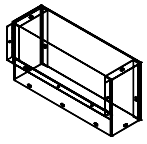
1. *Common use sizes are listed below.Contact factory for other configurations or see page V-6 for Range of Offering table.*
2. *Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part number. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

Wall Duct

Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Wall and Ceiling Duct Manufactured in standard 60" lengths with two 30" long cover plates. Provided with one coupling and necessary screws.	3-1/2" 3-1/2" 3-1/2"	9-13/16" 11-13/16" 17-13/16"	12" 14" 20"	**OWA/D10F** **OWA/D12F** **OWA/D18F**	10" 12" 18"	**OWA/D10S** **OWA/D12S** **OWA/D18S**	

Note: For Alumimum Wall Duct or Fittings, add "AL" suffix to catalog number.

Elbow Fittings

Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Internal Elbow Forms a sharp 90° Internal "L", Provided with one cover plate, one coupling and necessary screws.	3-1/2" 3-1/2" 3-1/2"	9-13/16" 11-13/16" 17-13/16"	12" 14" 20"	**OWI/D10F** **OWI/D12F** **OWI/D18F**	10" 12" 18"	**OWI/D10S** **OWI/D12S** **OWI/D18S**	
Internal Elbow, Sweep Forms a chamfered 90° Internal "L", for increased cable bend radius. Provided with one cover plate, one coupling and necessary screws.	3-1/2" 3-1/2" 3-1/2"	9-13/16" 11-13/16" 17-13/16"	12" 14" 20"	**OWSWI/D10F** **OWSWI/D12F** **OWSWI/D18F**	10" 12" 18"	**OWSWI/D10S** **OWSWI/D12S** **OWSWI/D18S**	
Internal 45° Elbow Forms a 45° Internal "L", Provided with one cover plate, one coupling and necessary screws. Also available as an External 45° elbow. Replace "OWI" with "OWL" in catalog number.	3-1/2" 3-1/2" 3-1/2"	9-13/16" 11-13/16" 17-13/16"	12" 14" 20"	**OWI45/D10F** **OWI45/D12F** **OWI45/D18F**	10" 12" 18"	**OWI45/D10S** **OWI45/D12S** **OWI45/D18S**	
Horizontal Elbow Forms a 90° Horizontal "L", Provided with one cover plate, one coupling and necessary screws. Corner divider "OWCP" ordered separately.	3-1/2" 3-1/2" 3-1/2"	9-13/16" 11-13/16" 17-13/16"	12" 14" 20"	**OWH/D10F** **OWH/D12F** **OWH/D18F**	10" 12" 18"	**OWH/D10S** **OWH/D12S** **OWH/D18S**	
Horizontal 45° Elbow Forms a 45° Horizontal "L", Provided with one cover plate, one coupling and necessary screws.	3-1/2" 3-1/2" 3-1/2"	9-13/16" 11-13/16" 17-13/16"	12" 14" 20"	**OWH45/D10F** **OWH45/D12F** **OWH45/D18F**	10" 12" 18"	**OWH45/D10S** **OWH45/D12S** **OWH45/D18S**	
External Elbow Forms a sharp 90° External "L", Provided with two cover plates, one coupling and necessary screws.	3-1/2" 3-1/2" 3-1/2"	9-13/16" 11-13/16" 17-13/16"	12" 14" 20"	**OWL/D10F** **OWL/D12F** **OWL/D18F**	10" 12" 18"	**OWL/D10S** **OWL/D12S** **OWL/D18S**	

Note: Images shown are surface mount.

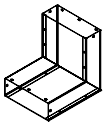
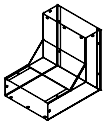
Dimensions in Inches (mm)

Hubbell Wall Duct Fittings

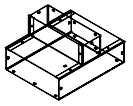
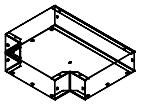
Ordering Information Notes:

1. *Common use sizes are listed below.Contact factory for other configurations or see page V-6 for Range of Offering table.*
2. *Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part number. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.*

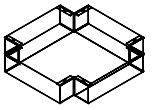
Internal / External Elbows

Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Internal / External Elbow Transitions from surface wall duct to surface style ceiling duct. Flush wall duct to surface style ceiling duct available upon request. Provided with two cover plates, one coupling and necessary screws.	3-1/2″ 3-1/2″ 3-1/2″	9-13/16″ 11-13/16″ 17-13/16″	— — —	— — —	10″ 12″ 18″	**SPOWI/D10S** **SPOWI/D12S** **SPOWI/D18S**	
Internal / External Elbow, Sweep Transitions from surface wall duct to surface style ceiling duct. Flush wall duct to surface style ceiling duct available upon request. Provided with two cover plates, one coupling and necessary screws.	3-1/2″ 3-1/2″ 3-1/2″	9-13/16″ 11-13/16″ 17-13/16″	— — —	— — —	10″ 12″ 18″	**SPOWSWI/D10S** **SPOWSWI/D12S** **SPOWSWI/D18S**	

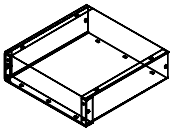
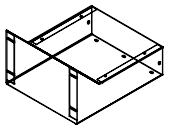
"T" Units

Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
Vertical "T" Unit Forms a 90° Vertical "T". Provided with three cover plates, two couplings and necessary screws.	3-1/2″ 3-1/2″ 3-1/2″	9-13/16″ 11-13/16″ 17-13/16″	12″ 14″ 20″	**OWVT/D10F** **OWVT/D12F** **OWVT/D18F**	10″ 12″ 18″	**OWVT/D10S** **OWVT/D12S** **OWVT/D18S**	
Horizontal "T" Unit Forms a 90° Horizontal "T". Provided with one cover plate, one coupling and necessary screws. Tunnels are ordered separately.	3-1/2″ 3-1/2″ 3-1/2″	9-13/16″ 11-13/16″ 17-13/16″	12″ 14″ 20″	**OWT/D10F** **OWT/D12F** **OWT/D18F**	10″ 12″ 18″	**OWT/D10S** **OWT/D12S** **OWT/D18S**	

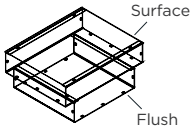
"X" Unit

Description	Overall Depth	Body Width	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
"X" Unit Forms intersection of four perpendicular ducts. Provided with one cover plate, two coupling and necessary screws. Tunnels are ordered separately.	3-1/2″ 3-1/2″ 3-1/2″	9-13/16″ 11-13/16″ 17-13/16″	12″ 14″ 20″	**OWX/D10F** **OWX/D12F** **OWX/D18F**	10″ 12″ 18″	**OWX/D10S** **OWX/D12S** **OWX/D18S**	

Vertical Riser Fittings

Description	For Trench Width	For Wall Duct (Width x Depth)	Flush Catalog Number	Surface Catalog Number	
Vertical Riser Fitting, Straight Transitions from trench duct to a vertical run of wall duct. Mounts on trench in place of cover. Removable front cover. Standard height above finish floor —12″ (7″ for OWR/D12x10). Standard depth —3-1/2″. Provided with one coupling and necessary screws.	10″ 12″ 18″ 12″	10″ x 3-1/2″ 12″ x 3-1/2″ 18″ x 3-1/2″ 10″ x 3-1/2″	**OWR/D10F** **OWR/D12F** **OWR/D18F** **OWR/D12-10F**	**OWR/D10S** **OWR/D12S** **OWR/D18S** **OWR/D12-10S**	
Vertical Riser Fitting, Sweep Transitions from trench duct to a vertical run of wall duct. Mounts on trench in place of cover. Removable front cover. Standard height above finish floor —12″. Standard depth —3-1/2″. Provided with one coupling and necessary screws.	10″ 12″ 18″ 12″	10″ x 3-1/2″ 12″ x 3-1/2″ 18″ x 3-1/2″ 10″ x 3-1/2″	**OWSWR/D10F** **OWSWR/D12F** **OWSWR/D18F** **OWSWR/D12-10F**	**OWSWR/D10S** **OWSWR/D12S** **OWSWR/D18S** **OWSWR/D12-10S**	

Adapter Fitting

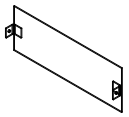
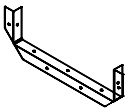
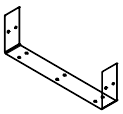
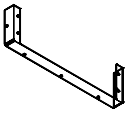
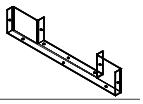
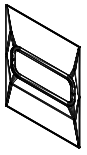
Description	Overall Depth	Flush Wall Duct Body Width	Surface Cover Width	Catalog Number	
Flush to Surface Adapter Transitions from flush wall duct to perpendicular surface wall duct. Provided with one cover plate, two couplings and necessary screws.	3-1/2″ 3-1/2″ 3-1/2″ 3-1/2″	9-13/16″ 11-13/16″ 17-13/16″ 17-13/16″	10″ 18″ 12″ 18″	**OWB/D10-10** **OWB/D12-18** **OWB/D18-12** **OWB/D18-18**	

Dimensions in Inches (mm)

Ordering Information Notes:

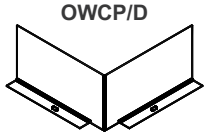
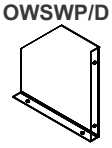
1. Common use sizes are listed below.Contact factory for other configurations or see page V-6 for Range of Offering table.
2. Wall Duct part numbers are for reference only. All Wall Duct orders are lot billed with a generic TW prefix project specific part number. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

Additional Fittings

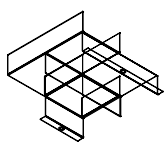
Description	Overall Depth	Cover Width	Flush Catalog Number	Cover Width	Surface Catalog Number	
End Cap Closes off end of wall duct. Screws provided.	3-1/2″ 3-1/2″ 3-1/2″	12″ 14″ 20″	**OWE/D10F** **OWE/D12F** **OWE/D18F**	10″ 12″ 18″	**OWE/D10S** **OWE/D12S** **OWE/D18S**	
Cabinet Connector Connects wall duct to enclosures. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3-1/2″ 3-1/2″ 3-1/2″	12″ 14″ 20″	**OWF/D10** **OWF/D12** **OWF/D18**	10″ 12″ 18″	**OWF/D10** **OWF/D12** **OWF/D18**	
Coupling Joins surface or flush wall duct sections together. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3-1/2″ 3-1/2″ 3-1/2″	12″ 14″ 20″	**OWC/D10** **OWC/D12** **OWC/D18**	10″ 12″ 18″	**OWC/D10** **OWC/D12** **OWC/D18**	
Trench to Wall Duct Adapter Transitions from trench duct to a vertical run of wall duct when not using the OWR or OKR series Vertical Risers. Mounts on trench in place of cover. Provided with necessary screws.	3-1/2″ 3-1/2″ 3-1/2″	12″ 14″ 20″	**OWV/D10** **OWV/D12** **OWV/D18**	10″ 12″ 18″	**OWV/D10** **OWV/D12** **OWV/D18**	
Reducer Coupling Joins two sizes of surface or flush wall duct sections together. Designed to be positioned around outside surface of duct and secured with screws from inside of duct. Screws provided.	3-1/2″ 3-1/2″ 3-1/2″	20″ to 12″ 20″ to 14″	**OWD/D18-10** **OWD/D18-12**	18″ to 10″ 18″ to 12″	**OWD/D18-10** **OWD/D18-12**	
Split Cover Plate Provides wire egress from raceway. Provided with assembly screws and grommet material.	— — —	12″ 14″ 20″	**OWSC/10F** **OWSC/12F** **OWSC/18F**	10″ 12″ 18″	**OWSC/10S** **OWSC/12S** **OWSC/18S**	

Note: Grommet material is available to cover field cut openings in Wall Duct. Outside dimensions of grommet is 1/4″ x 5/16″ and is made from SBR rubber. Catalog number GROM-xx (“xx” represents length in feet).

Partitions Fittings

Description	For Overall Raceway Depth	For Fitting Style		
		Straight (Length 60″)	Horizontal “L”	Internal Sweep Elbow
Internal Duct Partitions Divides raceway and fittings into compartments. Screws provided.	3-1/2″	**OWP/D** 	**OWCP/D** 	**OWSWP/D** 

Tunnel Fittings

Description	Type	No. of Compartments	Catalog Number	
Tunnels Field installed inside of multi-compartment “T” and “X” units to maintain separation of services. May be factory installed.	"T" Unit "X" Unit	2, 3, or 4 2, 3, or 4	Consult Factory Consult Factory	

Dimensions in Inches (mm)

Hubbell Underfloor Duct

Features and Benefits

Multi-Compartment Underfloor Duct Saves Time and Money for In-Slab Wire Management System

The Hubbell Underfloor Duct system is a UL Listed in-slab wire management product for delivering power, voice and data services to applications that include retail facilities, open office workstations, fitness centers, casinos, medical facilities and libraries. This system is uniquely designed with multiple compartments, allowing unlimited design options and cost savings in labor and materials from other single-compartment systems. Matched with our strong national distribution and complete technical and application support, the Hubbell Underfloor Duct System is the perfect solution for your underfloor wire management needs.

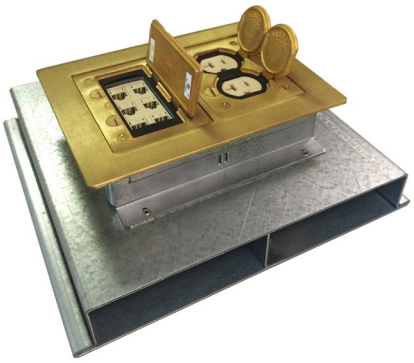
- Eight duct profiles available to accommodate numerous in-slab wire management for power and communications
- One-piece design multi-compartment duct, drastically reducing installation and material costs.
- Standard insert heights ranging from 1 to 3 inches (other heights available)
- Inclusive tile trim in square-top junction boxes, providing the installer the on-site option of using the trim or leaving it recessed
- Combination duct coupler/support, reducing material and labor costs using the same part to join raceway sections together and to support/level the duct
- Activation inserts are pre-assembled to the duct, or the inserts can be purchased separately for field installation only where you need them
- Heavy duty junction boxes are available for areas requiring high-concentrated floor loads
- Meets or exceeds UL 884 specifications, assuring a fully UL Listed system

Flush Insert Duct Benefits

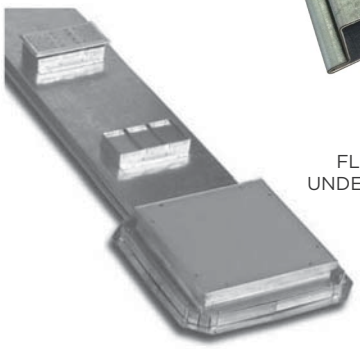
- Provides an aesthetic wire management solution for delivering power and communications services
- Unique multi-gang flush inserts with removable voltage dividers provide the flexibility of installing multiple gangs of the same service at each insert location
- Individual gangs can be activated as needed, to minimize costs
- Activation trims accept standard Hubbell floor box covers for power and data, available in aluminum and brass



ACTIVATION

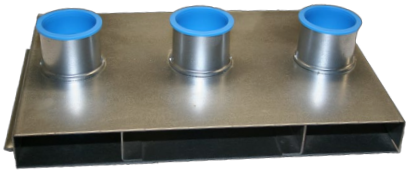


RECTANGULAR INSERT
UNDERFLOOR DUCT



FLUSH INSERT
UNDERFLOOR DUCT

JUNCTION BOX



ROUND INSERT
UNDERFLOOR DUCT

Dimensions in Inches (mm)

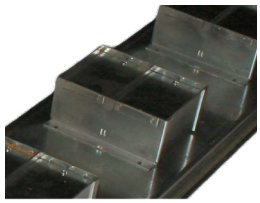
Conventional, Flush and Blank Underfloor Duct Profiles

Ordering Information Notes:

Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part number. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

- Provided in standard 10 ft. lengths
- 14 gauge, G90 galvanized steel
- 2 inch IPS (Iron Pipe Size) round inserts are die-cast zinc; Reducing bushings provided by others
- Rectangular inserts are 14 gauge, G90 galvanized steel
- All duct profiles are available as blank duct (no inserts), with factory installed 2" IPS round inserts or with rectangular inserts on 12" or 24" centers except as noted below; consult factory for custom insert spacing

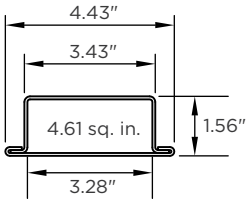
Catalog Number System

	SP202F - 2 - 12			
	Profile	**Insert Height**	**Insert Spacing**	
Round Insert Duct and Blank Duct	**201** **201W** **202** **SP202** **202W** **203** **204**	**B** = Blank **15** = 1-1/2" **2** = 2" **25** = 2-1/2" **3** = 3"*	**12** = 12" **24** = 24" n/a for Blank Duct	
Flush Insert Duct	**201F** **201WF** **202F** **SP202F** **202WF** **203F***	**B** = Blank (203F only) **1** = 1" (201F & 201 WF only) **15** = 1-1/2" **2** = 2" **25** = 2-1/2" **3** = 3"*	**12** = 12" **24** = 24" n/a for Blank Duct	

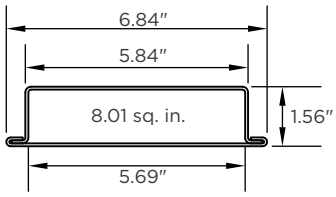
*Note: * 203F Round Inserts available on request Consult factory for heights greater than 3". 1-1/2" min. required for duplex receptacles.*

Dimensions

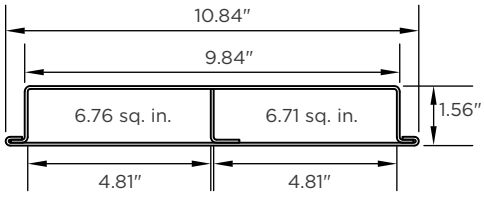
201 & 201F



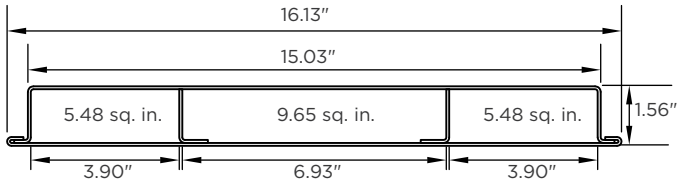
201W & 201WF



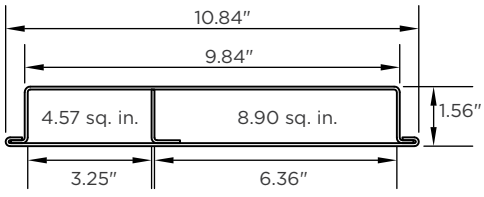
202 & 202F



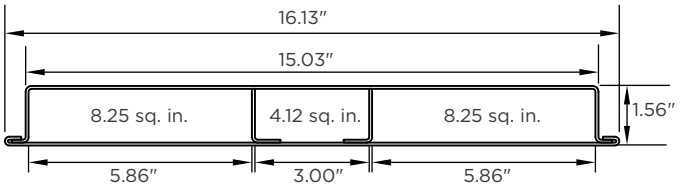
203*



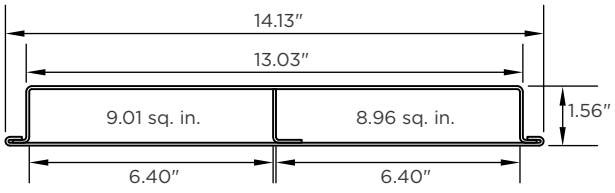
SP202 & SP202F



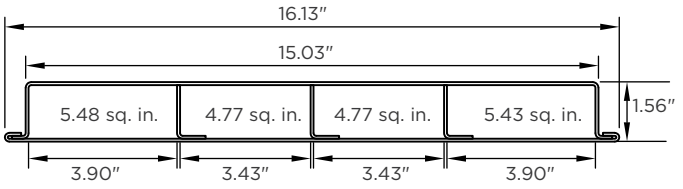
203F



202W & 202WF



204*



*Note: *Available only as Blank or with 2" IPS Round Inserts.*

Dimensions in Inches (mm)

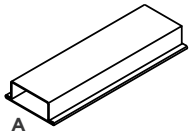
Technical Information and Wire Fill Capacity Chart

Ordering Information Notes:

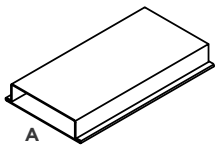
Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part number. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

			Duct Profile	201 201F	201W 201WF	202 202F		SP202 SP202F		202W 202WF		203			203F			204			
			Channel Cross Sectional Area (sq. in.)	4.61	8.01	6.76	6.71	4.57	8.9	9.01	8.96	5.48	9.65	5.48	8.25	4.12	8.25	5.48	4.77	4.77	5.43
			Channel	A	A	A	B	A	B	A	B	A	B	C	A	B	C	A	B	C	D
Cable Type	Size	Approx. Dia. (in.)	Approx. Area (sq in.)																		
Power (THHN)	14 AWG	0.111	0.0097	190	331	279	277	188	367	372	370	226	398	226	341	170	341	226	197	197	224
	12 AWG	0.130	0.0133	138	241	203	202	137	268	271	270	165	290	165	248	124	248	165	143	143	163
	10 AWG	0.164	0.0211	87	151	128	127	86	168	170	169	103	182	103	156	78	156	103	90	90	102
	8 AWG	0.216	0.0366	50	87	73	73	49	97	98	97	59	105	59	90	44	90	59	52	52	59
Coax Cables	RG-6/U	0.270	0.0573	32	55	47	46	31	62	62	62	38	67	38	57	28	57	38	33	33	37
	RG-6/UQ	0.298	0.0697	26	45	38	38	26	51	51	51	31	55	31	47	23	47	31	27	27	31
LAN Cables	Cat 5e	0.210	0.0346	53	92	78	77	52	102	104	103	63	111	63	95	47	95	63	55	55	62
	Cat 6	0.250	0.0491	37	65	55	54	37	72	73	73	44	78	44	67	33	67	44	38	38	44
	Cat 6A	0.350	0.0962	19	33	28	27	18	37	37	37	22	40	22	34	17	34	22	19	19	22
Fiber Optic Distribution Cables	2-6 Strand	0.190	0.0284	65	113	95	94	64	125	127	126	77	136	77	116	58	116	77	67	67	76
	8-12 Strand	0.230	0.0415	44	77	65	64	43	85	86	86	52	92	52	79	39	79	52	45	45	52
	16-24 Strand	0.350	0.0962	19	33	28	27	18	37	37	37	22	40	22	34	17	34	22	19	19	22

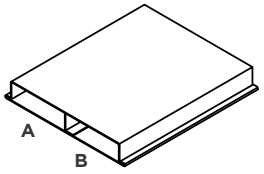
Note: Cable quantities shown in this chart are based on a 40% wire fill capacity. Sizes of COAX, LAN and Fiber Optic cables are provided for example only. Consult cable manufacturer's specification for exact cable sizes.



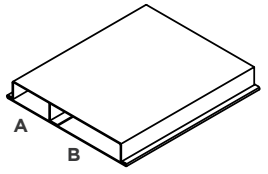
201 and 201F Series
Single Compartment



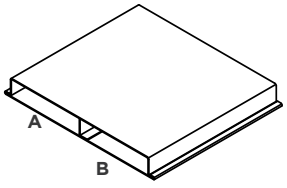
201W and 201WF Series
Single Wide Compartment



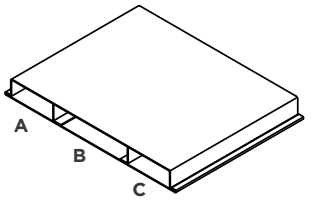
202 and 202F Series
Two Equal Compartments



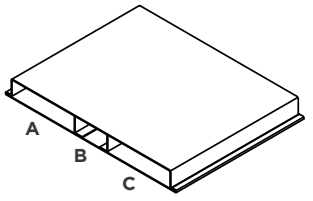
SP202 and SP202F Series
Modified Two Compartments



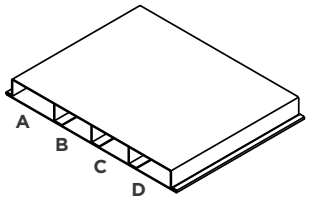
202W and 202WF Series
Two Equal Compartments



203 Series
Three Compartments



203F Series
Three Compartments



204 Series
Four Compartments

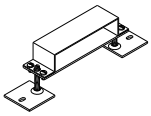
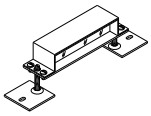
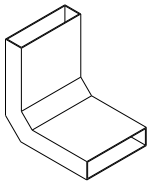
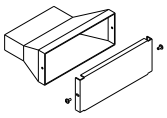
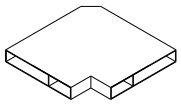
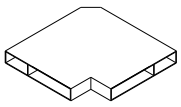
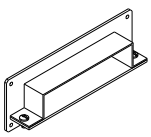
Applicable Codes & Standards

- TIA/EIA 569-C "Commercial Building Standard for Telecommunications Pathways and Spaces"
- NEC Article 390 "Underfloor Raceways"
- Ampacity derating rules of NEC applies to conductors installed in Underfloor Raceways and Trench Duct
- UL Standard UL 884 "Underfloor Raceways and Fittings"
- UL Listed E75939 (Underfloor Raceway) & E304554 (Underfloor Raceway Fittings)

Dimensions in Inches (mm)

Ordering Information Notes:

Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part number. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

				Flush Insert Duct						Conventional Duct						
				201F	201WF	202F	SP202F	202WF	203F	201	201W	202	SP202	202W	203	204
Coupler Support		Couples duct sections together and supports the duct. To be used every 5 feet of duct run.	201-DCS	•						•						
			201W-DCS		•						•					
			202-DCS			•	•					•	•			
			202W-DCS					•						•		
			203-DCS						•						•	•
End Cap Support		Supports and closes unused duct ends.	201-ECS	•						•						
			201W-ECS		•						•					
			202-ECS			•	•					•	•			
			202W-ECS					•						•		
			203-ECS						•						•	•
Vertical Riser		Transitions from duct embedded in concrete floor to vertical duct or may be used for direct connection to a Universal Conduit Adapter (UCA). Coupler / Supports (DCS) are required to attach to duct and UCA.	201-VEL	•						•						
			201W-VEL		•						•					
			202-VEL			•						•				
			SP202-VEL				•						•			
			202W-VEL					•						•		
			203-VEL												•	
			203F-VEL						•							
			204-VEL													•
Universal Conduit Adapter		Transitions from duct to conduit. A blank 14 gauge steel plate is provided for field punched conduit openings. For use with up to 2" trade size conduits. Consult factory for larger conduit accommodations (may also be inserted directly into Junction Boxes).	201-UCA	•						•						
			201W-UCA		•						•					
			202-UCA			•						•				
			SP202-UCA				•						•			
			202W-UCA					•						•		
			203-UCA												•	
			203F-UCA						•							
			204-UCA													•
Horizontal 90 Degree Elbow	 SP202-HB90-NIR  SP202-HB90-NOR	Provides a horizontal 90 degree turn in floor duct. No hand access provided. Consult factory for other angles. SP202-HB90's must be specified either with the Narrow Compartment located at the inside radius (-NIR) or at the outside radius (-NOR) as shown in illustration.	201-HB90	•						•						
			201W-HB90		•						•					
			202-HB90			•						•				
			SP202-HB90-NIR				•						•			
			SP202-HB90-NOR				•						•			
			202W-HB90					•						•		
			203-HB90												•	
			203F-HB90						•							
			204-HB90													•
Cabinet Connector		Provides a means for connecting duct to an electrical cabinet.	201-DCC	•						•						
			201W-DCC		•						•					
			202-DCC			•	•					•	•			
			202W-DCC					•						•		
			203-DCC						•						•	•

Dimensions in Inches (mm)

Technical Information and Wire Fill Capacity Chart

Ordering Information Notes:

Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part number. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.

x = Preset Insert Height
1 = 1" (201F & 201WF only)
15 = 1-1/2" (min. required for duplex receptacle)
2 = 2"
25 = 2-1/2"
3 = 3" (consult factory for heights greater than 3")

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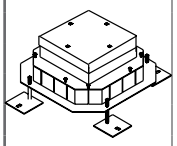
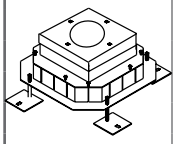
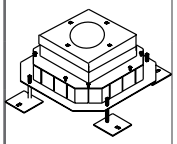
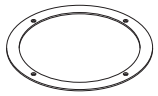
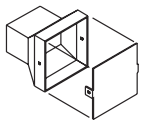
Underfloor Duct Raceway Junction Boxes and Accessories

				Flush Insert Duct						Conventional Duct						
				201F	201WF	202F	SP202F	202WF	203F	201	201W	202	SP202	202W	203	204
Junction Box Square Access		For providing square opening access at intersections of Feeder Duct and Distribution Duct.	**201-JB-x**	•						•						
			201W-JB-x		•						•					
			202-JB-x			•						•				
			SP202-JB-x				•						•			
			202W-JB-x					•						•		
			203-JB-x												•	
			203F-JB-x						•							
			204-JB-x													•
Junction Box Round Access		For providing round opening access at intersections of Feeder Duct and Distribution Duct. Provided with Brass or Stainless Steel Carpet Ring. *Available in Stainless Steel. To order replace B with SS.	**201-JB-x-RCB***	•						•						
			201W-JB-x-RCB*		•						•					
			202-JB-x-RCB*			•						•				
			SP202-JB-x-RCB*				•						•			
			202W-JB-x-RCB*					•						•		
			203-JB-x-RCB*												•	
			203F-JB-x-RCB*						•							
			204-JB-x-RCB*													•
Junction Box Heavy Duty Round Access		Same as above except cover plates are 3/8" thick and after-pour height adjustable. Carpet Rings and Closure Caps must be ordered separately. Duct Entrance Cap - HDJBDC Corner Cap - HDJBCC	**202-JB-x-HD-ADJ**			•						•					
			SP202-JB-x-HD-ADJ				•						•			
			202W-JB-x-HD-ADJ					•						•		
Carpet Ring for Heavy Duty Junction Boxes		1/8" thick Carpet Trim for Heavy Duty Junction Boxes. *Available in Stainless Steel. To order replace BRASS with SS.	**RD-BRASS*-202-ADJ**			•						•				
			RD-BRASS*-SP202-ADJ				•						•			
			RD-BRASS*-202W-ADJ					•						•		
Junction Box Corner Conduit Adapter		Provides attachment point for conduit to each corner of all junction boxes. JB-CCA is provided with 14 gauge steel plate for field punched conduit opening. All other adapters are factory punched.	**JB-CCA**													
			JB-CCA-1/2													
			JB-CCA-3/4													
			JB-CCA-1													
			JB-CCA-1-1/2													
			JB-CCA-2													

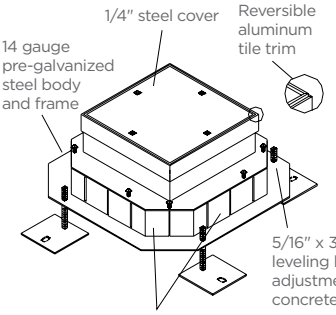
Hubbell Trench Duct is commonly used as a feeder system for Underfloor Duct Raceway systems.



Factory assembled Trench/ Underfloor duct intersect units allow unrestricted capacity by the elimination of tunnels. Side mounted Underfloor duct is available for shallow concrete pours. Consult factory for details.

Dimensions in Inches (mm)

- High capacity design supports large cables for single and multiple service requirements.
- Open top design allows cables to be easily laid in duct.
- Cover plates are removable and adjust horizontally to any point along the duct.
- Custom lengths of trench and fittings are available.
- Multiple compartments allow complete separation of services.
- Innovative duct support assembly allows for pre-pour leveling and acts as a splice for duct sections.

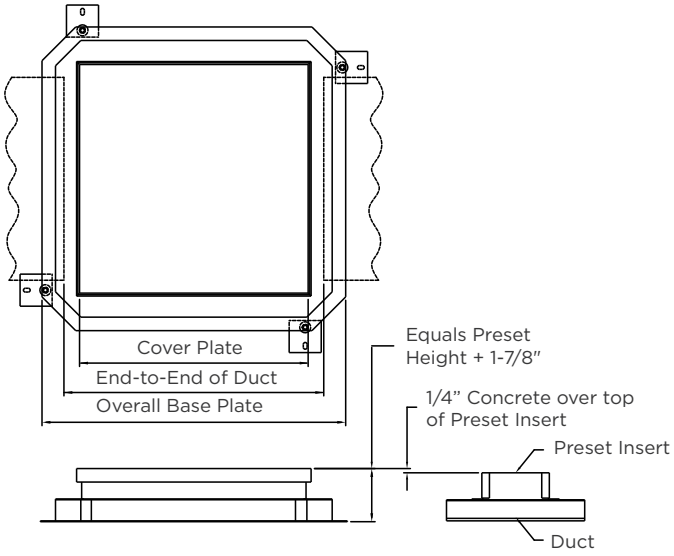


Removable pry-out sections for corner conduit adapters (JB-CCA series) and duct entrances. Additional blanking plates not required for unused junction box entrances. Blanking plates must be ordered separately for heavy duty junction boxes.

Underfloor Duct Junction Box Dimensions

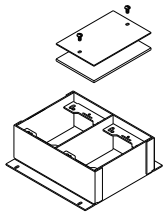
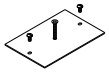
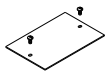
Ordering Information Notes:

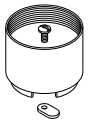
Floor Duct part numbers are for reference only. All Floor Duct orders are lot billed with a generic FD prefix project specific part number. Please contact your local Hubbell Territory Manager for all Hubbell Duct quotations.



Junction Box Catalog Number	Cover Plate	End-To-End Of Duct	Overall Base Plate
201-JB-x 201-JB-x-RCx	6-5/16"	8"	10-1/2"
201W-JB-x 201W-JB-x-RCx	12-9/16"	14-1/2"	17-13/16"
202-JB-x 202-JB-x-RCx			
SP202-JB-x SP202-JB-x-RCx			
202W-JB-x 202W-JB-x-RCx	17"	19-5/8"	22-11/16"
203-JB-x 203-JB-x-RCx			
203F-JB-x 203F-JB-x-RCx			
204-JB-x 204-JB-x-RCx			
202-JB-x-HD-ADJ SP202-JB-x-HD-ADJ	14"	15-1/8"	18-1/2"
202W-JB-x-HD-ADJ	17"	18-1/8"	21-1/2"

Underfloor Duct Raceway Aftersets and Marker Caps

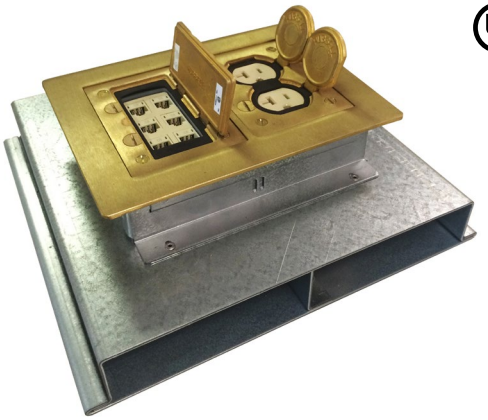
	Flush Insert Duct			Description	Catalog Number
Afterset Insert		Provides means to add activation inserts in the field where needed prior to concrete pour, 14 gauge steel.	1-Gang	1-1/2" Insert Height.	**DAIFA-1G-15**
				2" Insert Height.	**DAIFA-1G-2**
				3" Insert Height.	**DAIFA-1G-3**
			2-Gang	1-1/2" Insert Height.	**DAIFA-2G-15**
				2" Insert Height.	**DAIFA-2G-2**
				3" Insert Height.	**DAIFA-2G-3**
			3-Gang	1-1/2" Insert Height.	**DAIFA-3G-15**
				2" Insert Height.	**DAIFA-3G-2**
				3" Insert Height.	**DAIFA-3G-3**
Marker Cap		Marker caps are used in place of standard insert caps in (a) each insert adjacent to junction box, (b) inserts on each side of a permanent wall, and (c) the last insert in each run of duct.		Insert Marker Cap:	
				Zinc Screw	**FAD-MC-Z**
				Brass Screw	**FAD-MC-B**
Compartment Cover		Used for abandoning preset opening (one per gang). 18 gauge steel. Customer is required to fill void over top of plate with concrete.		Blank Cover	**FA-MC**

	Round Insert Duct (Reducing Bushings Provided By Others)		Description	Catalog Number
Afterset Insert		Provides means to add activation inserts in the field where needed prior to or after concrete pour. Zinc die cast.	2" Insert Height.	**DAI-2**
			3" Insert Height.	**DAI-3**
			4" Insert Height.	**DAI-4**
Marker Cap		Marker caps are used in place of standard insert caps in (a) each insert adjacent to junction box, (b) inserts on each side of a permanent wall, and (c) the last insert in each run of duct.	Insert Marker Cap:	
			Zinc Screw	**DMC-Z**
			Brass Screw	**DMC-B**

Dimensions in Inches (mm)

Underfloor Duct Raceway Activation Kits

- Available in brass and brushed aluminum to meet aesthetic requirements
- Available in one, two and three-gang options
- Available with beveled edges; consult factory for details
- ScrubShield® complies with UL514A scrub water requirements
- Flanged design may be used in tile, wood, carpet, terrazzo and bare concrete applications
- Uniform look when used in same areas where Hubbell floor boxes are installed
- Blank Closure Plates are available to close off insert opening when abandoning Activation Kits; plates are available in single, double and triple-gang configurations in brass, aluminum and stainless steel; consult factory for additional information



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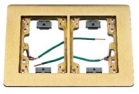
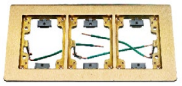
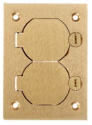
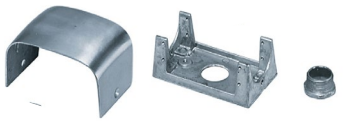
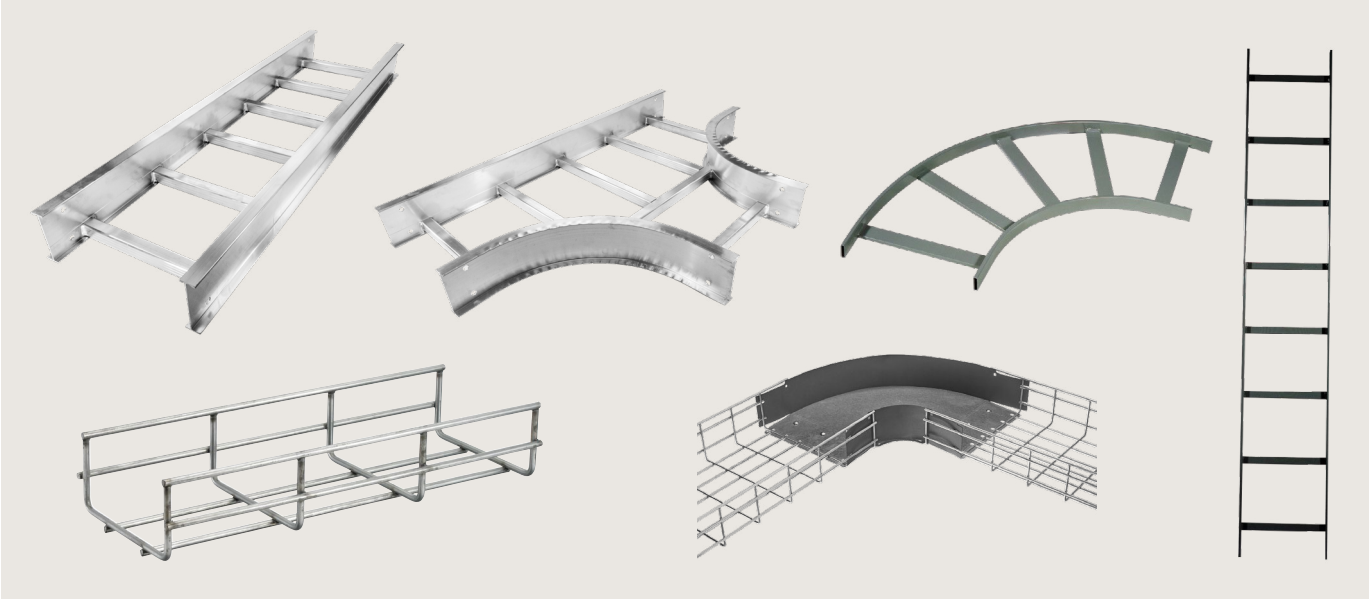
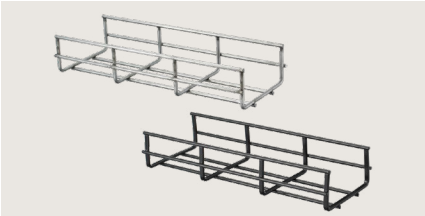
	Flush Insert Underfloor Duct	Finish	1-Gang 6″ x 4.85″	2-Gang 6″ x 8.13″	3-Gang 6″ x 11.34″	
Flanges	Flanges are provided with adapter plates and accessories required for installing to rectangular Underfloor Duct preset inserts and aftersets.	Brass	SB3083W-UFD	SB3084W-UFD	SB3085W-UFD	
		Aluminum	SA3083W-UFD	SA3084W-UFD	SA3085W-UFD	
						
Covers	All Covers 4.15″ x 2.99″.		Duplex Flap	Duplex Screw	Style Line Decorator Opening	Combination 2-1/8″ x 3/4″
		Brass	S3825	S3625	S3826	S2425
		Aluminum	SA3825	SA3625	SA3826	SA2425
						
			Combination 2-1/8″ x 1″	2-1/8″ Single Receptacle	2-3/8″ Single Receptacle	Blank
		Brass	S2625	S2825	S3425	S3813
		Aluminum	SA2625	—	—	SA3813
						

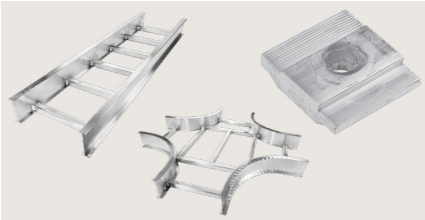
	Round Insert Underfloor Duct						
Housing	Die-cast aluminum frame, brushed aluminum housing, chase nipple, without plates.	1″ Chase Nipple	SC3099A				
		3/4″ Chase Nipple	SC3098A				
Plates	Duplex Receptacle	Single Receptacle 1.39″ (35.3 mm) opening	Style Line® Decorator	Blank	Telephone bushing 1 in. I.D. and (2) 3/8″ KO for coax	Furniture Feed aluminum plate with 3/4″ trade size KO	Furniture Feed aluminum plate, blank
	SS309D	SS309S	SS309DS	SS309B	SS309T	SS309SF	SS309BF
							

Dimensions in Inches (mm)





Round and Flat Style Wire Basket Tray



Aluminum Ladder Tray



Steel Ladder Rack

Innovative, Flexible, Field-Configurable Wire Basket Solutions W-2

Round Cross-Wire Basket Tray W-3

Electroplated Zinc Round Cross-Wire Basket Tray W-4

Flat Style Cross-Wire Basket Tray W-5

Stainless Steel Round Cross-Wire Basket Tray W-6

Under Floor Round Cross-Wire Basket Tray W-7

Accessories for Wire Basket Tray

- Preformed Fittings W-8
- Supports and Brackets W-10
- Covers and Inserts W-11
- Supports and Fittings W-12

Technical Support, Cutting and Forming Fittings W-13

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Wire Basket Tray Technical Specifications W-15

Aluminum Ladder Tray W-16

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- FIttings, Reducers W-21
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Accessories for Aluminum Ladder - Dividers W-27

Accessories for Aluminum Ladder - Covers W-28

Accessories for Aluminum Ladder - Supports W-33

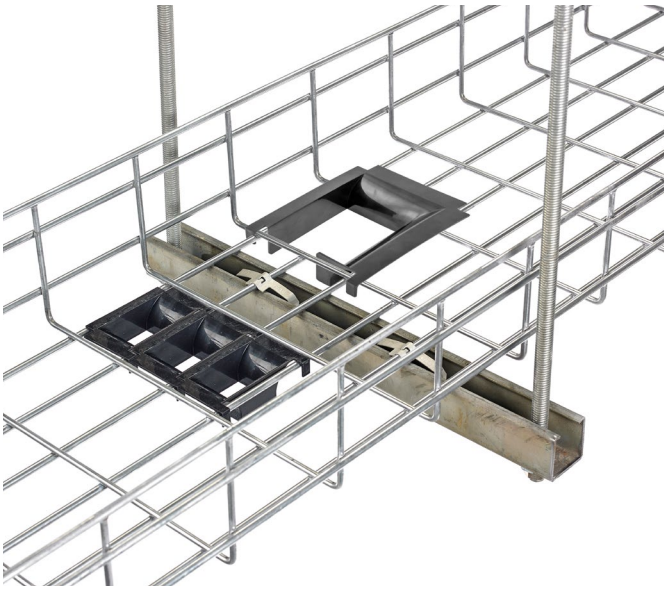
Accessories for Aluminum Ladder - Accessories W-34

Steel Ladder Rack W-36

Innovative, Flexible, Field-Configurable Wire Basket Solutions

Support Broad Range of Applications

Hubbell offers a comprehensive Wire Basket Tray System to handle every application; from pre-galvanized solutions for commercial controlled interior environments to stainless steel versions for industrial applications such as food processing, marine and highly corrosive environments. Hubbell also features labor savings options including no-splice supports which also reduce material cost and preformed fittings which offer tremendous productivity enhancement to the installer by eliminating field cuts that are required when fittings are configured in the field. Hubbell also offers painted trays in virtually any color needed. The painted tray is masked to reduce on-site paint removal saving time and money. Hubbell Wire Basket Tray Systems are available in overhead and raised floor designs. Complete shipments, job site location palletization and markings, and product customization make Hubbell the choice for every wire basket tray installation.





Pre-Galvanized

- Wire is galvanized prior to fabrication
- Applications
  - Commercial
  - Controlled Interiors
- Specification, ASTM A641



Stainless Steel*

- Type 304L and 316S
- Applications
  - Industrial
  - Marine
  - Food Processing
  - Outdoor
- Specification, ASTM A580



Painted Finishes

- Powder coat; Black is available as standard, other colors available as special order
- Applications
  - Data Center
  - Controlled Interiors
- Specification, N/A



Electroplated Zinc*

- Tray is galvanized after fabrication
- Applications
  - Commercial
  - Controlled Interiors
- Specification, ASTM B633

Customer Support and Technical Assistance

Hubbell's knowledgeable sales team is just a call away for assistance in selecting the proper type basket tray for any application or providing design assistance including developing a bill of material.

Pre-Galvanized Finish is Environmentally Friendly

The standard finish for Hubbell Basket Tray is pre-galvanized which is a significantly more environmentally friendly manufacturing process as compared to galvanizing dip. Pre-galvanizing applies a zinc galvanization to the wire PRIOR to fabrication. The galvanized wire(s) is then welded and formed into the appropriate basket tray size. Hubbell's pre-galvanized finish performs the same as post-zinc plated production finish while avoiding secondary chemical processing.

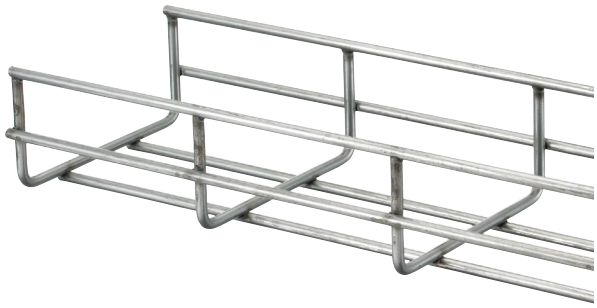
Sustainable Approach

Hubbell utilizes a sustainable approach to assist in maintaining the environment. Our wire basket tray systems utilize 100% recycled steel content in the manufacturing of our tray, and are packaged in kraft unbleached packaging. Packaging and strapping materials are recyclable. MillCerts are available upon request to assist in documenting recycled content for possible LEED credits.

*Note: *Available as a special order.*
Hot dip galvinized tray available as special order.

Features

- T-weld construction prevents snags
- 5mm round wire minimum
- High load rating
- Easy to cut and fabricate fittings in the field
- 100% recycled steel
- 2" x 4" mesh opening
- Use factory support hardware or fabricate supports at the job site
- Painted tray includes factory installed masking to ensure proper grounding at splices; no need to remove paint during installation



10 Feet per Length 118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	Tray Weight per Length (Lb)	Splice Quantity*		Finish	
				90° Sweep Elbow	Straight Splice	Pre-Galvanized	Black Powder Coat
2" Deep Tray 2.38" (60) W	4" (102)	45	7	2	2	HBT0204	HBT0204BK
	6" (152) •	50	9	3	4	HBT0206	HBT0206BK
	8" (203) •	52	10.5	4	4	HBT0208	HBT0208BK
	12" (305) •	58	12	6	4	HBT0212	HBT0212BK
	16" (406) •	70	15	7	4	HBT0216	HBT0216BK
	18" (457) •	70	23	9	4	HBT0218	HBT0218BK
	20" (508) •	73	25	9	5	HBT0220	HBT0220BK
	22" (559)	73	27	12	5	HBT0222	HBT0222BK
	24" (610) •	75	31	12	5	HBT0224	HBT0224BK
	26" (660)	73	33	13	6	HBT0226	HBT0226BK
	28" (711)	73	35	14	6	HBT0228	HBT0228BK
	30" (762)	70	38	15	6	HBT0230	HBT0230BK
	32" (813)	70	39	16	6	HBT0232	HBT0232BK
4" Deep Tray 4" (102) W	4" (102)	49	12	2	4	HBT0404	HBT0404BK
	6" (152) •	49	13	3	5	HBT0406	HBT0406BK
	8" (203) •	78	15	4	6	HBT0408	HBT0408BK
	12" (305) •	78	23	6	6	HBT0412	HBT0412BK
	16" (406) •	108	27	7	7	HBT0416	HBT0416BK
	18" (457) •	116	29	9	7	HBT0418	HBT0418BK
	20" (508) •	116	31	9	7	HBT0420	HBT0420BK
	22" (559)	116	33	12	8	HBT0422	HBT0422BK
	24" (610) •	116	35	12	8	HBT0424	HBT0424BK
	28" (711)	108	39	14	9	HBT0428	HBT0428BK
6" Deep Tray 6" (152) W	8" (203) •	116	23	4	6	HBT0608	HBT0608BK
	12" (305) •	123	27	6	6	HBT0612	HBT0612BK
	16" (406) •	123	31	7	7	HBT0616	HBT0616BK
	18" (457) •	127	33	9	7	HBT0618	HBT0618BK
	20" (508) •	127	35	9	7	HBT0620	HBT0620BK
	22" (559) •	127	37	12	8	HBT0622	HBT0622BK
	24" (610) •	150	39	12	8	HBT0624	HBT0624BK
8" Deep Tray 8" (208) W	8" (203) •	116	27	4	8	HBT0808	HBT0808BK
	12" (305) •	116	31	6	8	HBT0812	HBT0812BK
	16" (406) •	116	35	7	9	HBT0816	HBT0816BK
	18" (457) •	116	37	9	9	HBT0818	HBT0818BK
	20" (508) •	116	39	9	9	HBT0820	HBT0820BK

Note: •UL Classified as equipment ground conductor (painted tray cUL Classified only). All dimensions are +/- 0.25".
Custom paint colors available in addition to black powder coat (contact Hubbell).
**See page W-13 for details and page W-14 for wire fill and maximum load chart.*
HBT0202 (2x2 tray) available as special order. MOQ 40 pcs. Top wire utilizes side weld.

Field Configurable Fittings

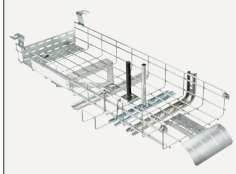


90° Sweep Elbow
Use appropriate quantity of splice kits



Tee Fitting
Use one HBTCS corner splice per each

Accessories, Supports and Hardware



Ordering Information
See page W-12

Wire Diameter

5mm

.1969" Dia.
"Round" Wire Design

Dimensions in Inches (mm)

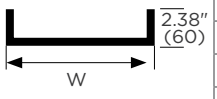
Electroplated Zinc Round Cross-Wire Basket Tray

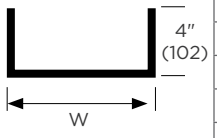
Features

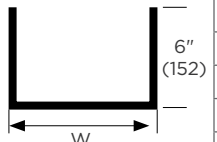
- T-weld construction prevents snags
- 5mm round wire minimum
- High load rating
- Easy to cut and fabricate fittings in the field
- 2" x 4" mesh opening
- Use factory support hardware or fabricate supports at the job site
- Electroplated zinc galvanized (post plated) made from cabon steel and plated to ASTM B 633, Type III, SC-1

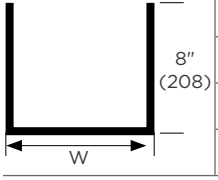


10 Feet per Length 118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	Tray Weight per Length (Lb)	Splice Quantity*		Finish
				90° Sweep Elbow	Straight Splice	Electroplated Zinc
2" Deep Tray	4" (102)	45	7	2	2	HBT0204ZP
	6" (152) •	50	9	3	4	HBT0206ZP
	8" (203) •	52	10.5	4	4	HBT0208ZP
	12" (305) •	58	12	6	4	HBT0212ZP
	16" (406) •	70	15	7	4	HBT0216ZP
	18" (457) •	70	23	9	4	HBT0218ZP
	20" (508) •	73	25	9	5	HBT0220ZP
	22" (559)	73	27	12	5	HBT0222ZP
	24" (610) •	75	31	12	5	HBT0224ZP
	26" (660)	73	33	13	6	HBT0226ZP
	28" (711)	73	35	14	6	HBT0228ZP
	30" (762)	70	38	15	6	HBT0230ZP
	32" (813)	70	39	16	6	HBT0232ZP
4" Deep Tray	4" (102)	49	12	2	4	HBT0404ZP
	6" (152) •	49	13	3	5	HBT0406ZP
	8" (203) •	78	15	4	6	HBT0408ZP
	12" (305) •	78	23	6	6	HBT0412ZP
	16" (406) •	108	27	7	7	HBT0416ZP
	18" (457) •	116	29	9	7	HBT0418ZP
	20" (508) •	116	31	9	7	HBT0420ZP
	22" (559)	116	33	12	8	HBT0422ZP
	24" (610) •	116	35	12	8	HBT0424ZP
	28" (711)	108	39	14	9	HBT0428ZP
6" Deep Tray	8" (203) •	116	23	4	6	HBT0608ZP
	12" (305) •	123	27	6	6	HBT0612ZP
	16" (406) •	123	31	7	7	HBT0616ZP
	18" (457) •	127	33	9	7	HBT0618ZP
	20" (508) •	127	35	9	7	HBT0620ZP
	22" (559) •	127	37	12	8	HBT0622ZP
	24" (610) •	150	39	12	8	HBT0624ZP
8" Deep Tray	8" (203) •	116	27	4	8	HBT0808ZP
	12" (305) •	116	31	6	8	HBT0812ZP
	16" (406) •	116	35	7	9	HBT0816ZP
	18" (457) •	116	37	9	9	HBT0818ZP
	20" (508) •	116	39	9	9	HBT0820ZP









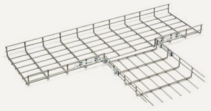
Note: •UL Classified/cUL Classified as equipment ground conductor. All dimensions are +/- 0.25".
**See page W-13 for details and page W-14 for wire fill and maximum load chart.*

Dimensions in Inches (mm)

Field Configurable Fittings

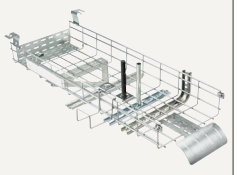


90° Sweep Elbow
Use appropriate quantity of splice kits



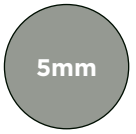
Tee Fitting
Use one HBTCS corner splice per each

Accessories, Supports and Hardware



Ordering Information
See page W-12

Wire Diameter



.1969" Dia.
"Round" Wire Design

Features

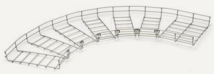
- Flat shaped cross-wires provide significantly more surface area to support weight of cables - Ideal for Cat 6 and 6A applications
- Flat ribs provide 400% more surface area and reduce stress on cables by 60%
- 100% recycled steel
- 2" x 4" mesh opening
- Reduction in stress helps maintain Cat 6 and Cat 6A performance
- Cuts and configures the same as round wire tray
- Uses the same splicing and mounting hardware as round wire tray



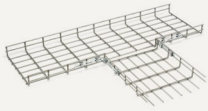
10 Feet per Length 118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	Tray Weight per Length (Lb)	Splice Quantity*		Finish	
				90° Sweep Elbow	Straight Splice	Pre-Galvanized	Black Powder Coat
2" Deep Tray 2.38" (60) W	4" (102)	45	7	2	2	HBT0204S	HBT0204SBK
	6" (152) •	50	9	3	4	HBT0206S	HBT0206SBK
	8" (203) •	52	10.5	4	4	HBT0208S	HBT0208SBK
	12" (305) •	58	12	6	4	HBT0212S	HBT0212SBK
	16" (406) •	70	15	7	4	HBT0216S	HBT0216SBK
	18" (457) •	70	23	9	4	HBT0218S	HBT0218SBK
	20" (508) •	73	25	9	5	HBT0220S	HBT0220SBK
	22" (559)	73	27	12	5	HBT0222S	HBT0222SBK
	24" (610) •	75	31	12	5	HBT0224S	HBT0224SBK
	26" (660)	73	33	13	6	HBT0226S	HBT0226SBK
	28" (711)	73	35	14	6	HBT0228S	HBT0228SBK
	30" (762)	70	38	15	6	HBT0230S	HBT0230SBK
	32" (813)	70	39	16	6	HBT0232S	HBT0232SBK
4" Deep Tray 4" (102) W	4" (102)	49	12	2	4	HBT0404S	HBT0404SBK
	6" (152) •	49	13	3	5	HBT0406S	HBT0406SBK
	8" (203) •	78	15	4	6	HBT0408S	HBT0408SBK
	12" (305) •	78	23	6	6	HBT0412S	HBT0412SBK
	16" (406) •	108	27	7	7	HBT0416S	HBT0416SBK
	18" (457) •	116	29	9	7	HBT0418S	HBT0418SBK
	20" (508) •	116	31	9	7	HBT0420S	HBT0420SBK
	22" (559)	116	33	12	8	HBT0422S	HBT0422SBK
	24" (610) •	116	35	12	8	HBT0424S	HBT0424SBK
	28" (711)	108	39	14	9	HBT0428S	HBT0428SBK
6" Deep Tray 6" (152) W	8" (203) •	116	23	4	6	HBT0608S	HBT0608SBK
	12" (305) •	123	27	6	6	HBT0612S	HBT0612SBK
	16" (406) •	123	31	7	7	HBT0616S	HBT0616SBK
	18" (457) •	127	33	9	7	HBT0618S	HBT0618SBK
	20" (508) •	127	35	9	7	HBT0620S	HBT0620SBK
	22" (559) •	127	37	12	8	HBT0622S	HBT0622SBK
	24" (610) •	150	39	12	8	HBT0624S	HBT0624SBK
8" Deep Tray 8" (208) W	8" (203) •	116	27	4	8	HBT0808S	HBT0808SBK
	12" (305) •	116	31	6	8	HBT0812S	HBT0812SBK
	16" (406) •	116	35	7	9	HBT0816S	HBT0816SBK
	18" (457) •	116	37	9	9	HBT0818S	HBT0818SBK
	20" (508) •	116	39	9	9	HBT0820S	HBT0820SBK

Note: •UL Classified as equipment ground conductor (painted tray cUL Classified only). All dimensions are +/- 0.25". Custom paint colors available in addition to Black Powder Coat (Contact Hubbell).
**See page W-13 for details and page W-14 for wire fill and maximum load chart.*

Field Configurable Fittings

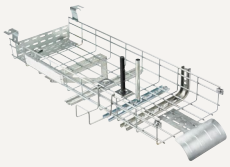


90° Sweep Elbow
Use appropriate quantity of splice kits



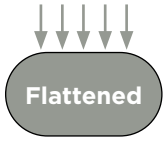
Tee Fitting
Use one HBTCS corner splice per each

Accessories, Supports and Hardware



Ordering Information
See page W-12

Cable Support Area



.03125 sq. inch "Flat" Wire Design
(based on .125" dia. cable)

Dimensions in Inches (mm)

Stainless Steel Round Cross-Wire Basket Tray

Features

- Type 304L and 316S stainless steel
- Meets ASTM A580 specifications
- 4.5mm round wire minimum
- Stainless splice kits and ceiling supports are available

Applications

- Food processing
- Wash down areas
- Corrosive environments
- Outdoor installations
- Marine



10 Feet per Length 118.3" (3m) 10 pc. min. order qty.	Tray Width	Load (Lb/ft)	Tray Weight per Length (Lb)	Splice Quantity*		Round	
				90° Sweep Elbow	Straight Splice	Type 304L	Type 316S
2" Deep Tray 2.38" (60) W	4" (102)	45	7	2	2	HBT0204S04	HBT0204S16
	6" (152)	50	9	3	4	HBT0206S04	HBT0206S16
	8" (203)	52	10.5	4	4	HBT0208S04	HBT0208S16
	12" (305)	58	12	6	4	HBT0212S04	HBT0212S16
	16" (406)	70	15	7	4	HBT0216S04	HBT0216S16
	18" (457)	70	23	9	4	HBT0218S04	HBT0218S16
	20" (508)	73	25	9	5	HBT0220S04	HBT0220S16
	22" (559)	73	27	12	5	HBT0222S04	HBT0222S16
	24" (610)	75	31	12	5	HBT0224S04	HBT0224S16
	26" (660)	73	33	13	6	HBT0226S04	HBT0226S16
	28" (711)	73	35	14	6	HBT0228S04	HBT0228S16
	30" (762)	70	38	15	6	HBT0230S04	HBT0230S16
	32" (813)	70	39	16	6	HBT0232S04	HBT0232S16
4" Deep Tray 4" (102) W	4" (102)	49	12	2	4	HBT0404S04	HBT0404S16
	6" (152)	49	13	3	5	HBT0406S04	HBT0406S16
	8" (203)	78	15	4	6	HBT0408S04	HBT0408S16
	12" (305)	78	23	6	6	HBT0412S04	HBT0412S16
	16" (406)	108	27	7	7	HBT0416S04	HBT0416S16
	18" (457)	116	29	9	7	HBT0418S04	HBT0418S16
	20" (508)	116	31	9	7	HBT0420S04	HBT0420S16
	22" (559)	116	33	12	8	HBT0422S04	HBT0422S16
	24" (610)	116	35	12	8	HBT0424S04	HBT0424S16
	28" (711)	108	39	14	9	HBT0428S04	HBT0428S16
6" Deep Tray 6" (152) W	8" (203)	116	23	4	6	HBT0608S04	HBT0608S16
	12" (305)	123	27	6	6	HBT0612S04	HBT0612S16
	16" (406)	123	31	7	7	HBT0616S04	HBT0616S16
	18" (457)	127	33	9	7	HBT0618S04	HBT0618S16
	20" (508)	127	35	9	7	HBT0620S04	HBT0620S16
	22" (559)	127	37	12	8	HBT0622S04	HBT0622S16
	24" (610)	150	39	12	8	HBT0624S04	HBT0624S16
8" Deep Tray 8" (208) W	8" (203)	116	27	4	8	HBT0808S04	HBT0808S16
	12" (305)	116	31	6	8	HBT0812S04	HBT0812S16
	16" (406)	116	35	7	9	HBT0816S04	HBT0816S16
	18" (457)	116	37	9	9	HBT0818S04	HBT0818S16
	20" (508)	116	39	9	9	HBT0820S04	HBT0820S16

Note: All dimensions are +/- 0.25".

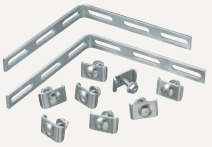
**See page W-13 for details and page W-14 for wire fill and maximum load chart.*

Dimensions in Inches (mm)

Stainless Steel Accessories Available



HBTSKSS
Splice Kits



HBTCSSS
Corner Splice



HBTWSSS
Washer Support



HBTNBSS
1/4" x 20 Nuts and Bolts



HBTSKDSS
Double Splice kits (not available for 2") tray

Ordering Information

Wire Diameter



.1772" Dia.
"Round" Wire Design

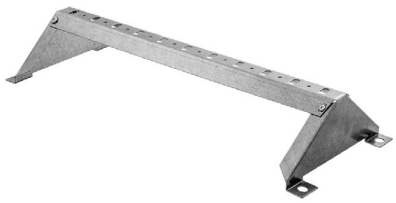
Splice Hardware

Description	Finish	Catalog Number	
Kit, Pedestal (2) HBTUPC and (1) Cross bar.	Pre-Galvanized	**HBTUPK**	
C-Bracket 6" Tier 12" Tier.	Pre-Galvanized Pre-Galvanized	**HBTUCB6** **HBTUCB12**	
U-Clamp, Pedestal (1) Clamp	Pre-Galvanized	**HBTUPC**	
Tray Grounding Fasteners Washer supports HBTWS and 1/4" - 20 self threading screws; 50 per box. Required when installing under floor wire basket tray.	Zinc Plated	**HBTUGS**	
Intersection Supports For use with HBTUSUPP series support.	Pre-Galvanized	**HBTUFIT**	
Vertical Up.	Pre-Galvanized	**HBTUVU**	

Note: See page W-10 for L-brackets and C-brackets. See page W-14 for wire fill and maximum load chart.

Saw Horse Supports

Support Height	Support Width	Finish	Catalog Number
4" (102)	22" (559)	Pre-Galvanized	**HBTUSUPP4**
6" (152)	22" (559)	Pre-Galvanized	**HBTUSUPP6**
8" (203)	22" (559)	Pre-Galvanized	**HBTUSUPP8**
10" (254)	22" (559)	Pre-Galvanized	**HBTUSUPP10**
12" (305)	22" (559)	Pre-Galvanized	**HBTUSUPP12**
14" (356)	22" (559)	Pre-Galvanized	**HBTUSUPP14**
16" (406)	22" (559)	Pre-Galvanized	**HBTUSUPP16**
18" (457)	22" (559)	Pre-Galvanized	**HBTUSUPP18**
20" (508)	22" (559)	Pre-Galvanized	**HBTUSUPP20**
22" (559)	22" (559)	Pre-Galvanized	**HBTUSUPP22**
24" (610)	22" (559)	Pre-Galvanized	**HBTUSUPP24**
26" (660)	22" (559)	Pre-Galvanized	**HBTUSUPP26**
28" (711)	22" (559)	Pre-Galvanized	**HBTUSUPP28**
30" (762)	22" (559)	Pre-Galvanized	**HBTUSUPP30**



Dimensions in Inches (mm)

Accessories for Wire Basket Tray, Preformed Fittings

Installation Efficiency

Hubbell preformed fittings are time and cost effective solutions to installing 90 degree radius, tees and intersections; no cutting and no configuring. Hubbell offers pre-galvanized or black powder painted finishes. The fittings simply attach at the intersections tees or junctions when you want a radius bend. The fittings are manufactured precisely to the basket tray being utilized providing a clean engineered solution.

Installation of Hubbell preformed fittings can reduce installation configurations from hours to a few minutes. Labor and time savings can exceed 90% versus traditional cutting and splicing. Preformed fittings ensure a consistent installation every time and also avoid the sharp wire edges caused during the cutting process. Standard Hubbell preformed fittings consist of a pregalvanized base with black polymer sides* and splicing hardware.

*Note: *Steel wall preform fittings are available.*



Side wall

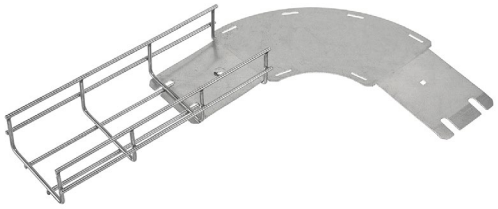


Base

Washer, bolt and nut



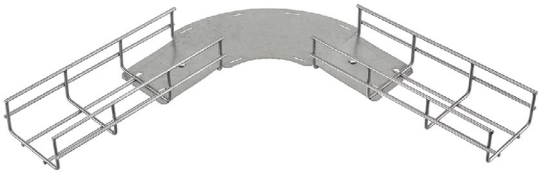
1. Splicing hardware included



2. Attach first tray with washer support and 1/4"-20 nut and bolt



3. Washer support secured to tray

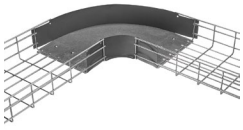


4. Attach second tray



5. Install side walls

90 Degree Radius



Tray Width	Traditional Configuration	Hubbell Preformed Fittings	Time Savings
2 x 8	7 Minutes	1 Minute	85%
4 x 12	20 Minutes	2 Minutes	90%

Tee



Tray Width	Traditional Configuration	Hubbell Preformed Fittings	Time Savings
4 x 12	8 Minutes, 45 seconds	2 Minutes, 30 seconds	70%
4 x 18	10 Minutes	2 Minutes, 30 seconds	74%

Intersection



Tray Width	Traditional Configuration	Hubbell Preformed Fittings	Time Savings
6 x 24	29 Minutes	4 Minutes, 45 seconds	83%

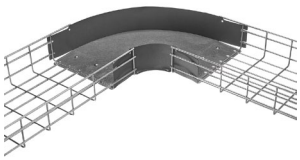
Dimensions in Inches (mm)

Accessories for Wire Basket Tray, Preformed Fittings

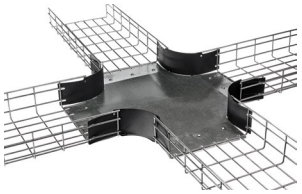
Features

- Labor and time savings
- Consistent installations
- For round and flat tray
- Steel pre-galvanized bases
- Interlocking polymer side walls
- Splicing hardware included
- Available with steel side walls











Tray Size	Tray Width	90 Degree	Tee	Intersection	45 Degree	30 Degree
2" (51) Deep	4"(102)	**HBTR0204**	**HBTT0204**	**HBTI0204**	**HBT450204**	**HBT300204**
	6"(152)	**HBTR0206**	**HBTT0206**	**HBTI0206**	**HBT450206**	**HBT300206**
	8"(203)	**HBTR0208**	**HBTT0208**	**HBTI0208**	**HBT450208**	**HBT300208**
	12"(305)	**HBTR0212**	**HBTT0212**	**HBTI0212**	**HBT450212**	**HBT300212**
	16"(406)	**HBTR0216**	**HBTT0216**	**HBTI0216**	**HBT450216**	**HBT300216**
	18"(457)	**HBTR0218**	**HBTT0218**	**HBTI0218**	**HBT450218**	**HBT300218**
	20"(508)	**HBTR0220**	**HBTT0220**	**HBTI0220**	**HBT450220**	**HBT300220**
	24"(610)	**HBTR0224**	**HBTT0224**	**HBTI0224**	**HBT450224**	**HBT300224**
4" (102) Deep	4"(102)	**HBTR0404**	**HBTT0404**	**HBTI0404**	**HBT450404**	**HBT300404**
	6"(152)	**HBTR0406**	**HBTT0406**	**HBTI0406**	**HBT450406**	**HBT300406**
	8"(203)	**HBTR0408**	**HBTT0408**	**HBTI0408**	**HBT450408**	**HBT300408**
	12"(305)	**HBTR0412**	**HBTT0412**	**HBTI0412**	**HBT450412**	**HBT300412**
	16"(406)	**HBTR0416**	**HBTT0416**	**HBTI0416**	**HBT450416**	**HBT300416**
	18"(457)	**HBTR0418**	**HBTT0418**	**HBTI0418**	**HBT450418**	**HBT300418**
	20"(508)	**HBTR0420**	**HBTT0420**	**HBTI0420**	**HBT450420**	**HBT300420**
	24"(610)	**HBTR0424**	**HBTT0424**	**HBTI0424**	**HBT450424**	**HBT300424**
6" (152) Deep	8"(203)	**HBTR0608**	**HBTT0608**	**HBTI0608**	**HBT450608**	**HBT300608**
	12"(305)	**HBTR0612**	**HBTT0612**	**HBTI0612**	**HBT450612**	**HBT300612**
	16"(406)	**HBTR0616**	**HBTT0616**	**HBTI0616**	**HBT450616**	**HBT300616**
	18"(457)	**HBTR0618**	**HBTT0618**	**HBTI0618**	**HBT450618**	**HBT300618**
	20"(508)	**HBTR0620**	**HBTT0620**	**HBTI0620**	**HBT450620**	**HBT300620**
	24"(610)	**HBTR0624**	**HBTT0624**	**HBTI0624**	**HBT450624**	**HBT300624**

Note: Add BK suffix for black base. Add SW suffix for steel side walls.

Dimensions in Inches (mm)

Accessories for Wire Basket Tray - Supports and Brackets





Supports**

Tray Width	Center Support			Ceiling Support		Trapeze Support		
	Qty. per Box	Pre-Galvanized	Black Powder Coat	Pre-Galvanized	Black Powder Coat	Qty. per Box	Zinc Plated	Black Powder Coat
4" (102)	1	HBTCTRS4	HBTCTRS4BK	—	—	50	HBTTS	HBTTSBK
6" (152)	1	HBTCTRS6	HBTCTRS6BK	HBTCLGS6	HBTCLGS6BK		Attaches to the side of the tray; for tray sizes 16" wide and smaller; use in pairs every 6 feet for 4" and 6" trays; can be staggered every 5 feet.	
8" (203)	1	HBTCTRS8	HBTCTRS8BK	HBTCLGS8	HBTCLGS8BK			
12" (305)	1	HBTCTRS12	HBTCTRS12BK	HBTCLGS12	HBTCLGS12BK			
16" (406)	1	—	—	HBTCLGS16	HBTCLGS16BK			
18" (457)	1	—	—	HBTCLGS18	HBTCLGS18BK			
20" (508)	1	—	—	HBTCLGS20	HBTCLGS20BK			
24" (610)	1	—	—	HBTCLGS24	HBTCLGS24BK			

*Note: **Install every 6 feet.*





Brackets**

Tray Width	L-Bracket			C-Bracket		Shelf Support	
	Qty. per Box	Pre-Galvanized	Black Powder Coat	Pre-Galvanized	Black Powder Coat	Pre-Galvanized	Black Powder Coat
4" (102)	1	HBTLB4	HBTLB4BK	HBTCB4	HBTCB4BK	HBTSS4	HBTSS4BK
6" (152)	1	HBTLB6	HBTLB6BK	—	—	HBTSS6	HBTSS6BK
8" (203)	1	HBTLB8	HBTLB8BK	HBTCB8	HBTCB8BK	HBTSS8	HBTSS8BK
12" (305)	1	HBTLB12	HBTLB12BK	HBTCB12	HBTCB12BK	HBTSS12	HBTSS12BK
16" (406)	1	—	—	—	—	HBTSS16	HBTSS16BK
18" (457)	1	—	—	HBTCB18	HBTCB18BK	HBTSS18	HBTSS18BK
20" (508)	1	—	—	—	—	HBTSS20	HBTSS20BK
24" (610)	1	—	—	—	—	HBTSS24	HBTSS24BK

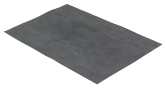
Dimensions in Inches (mm)

Black Polymer Inserts with Sides*
Provides a solid bottom and sides for tray - order in 10 foot increments.

Tray Width	2" (51) Deep	4" (102) Deep	6" (152) Deep
4" (102)	HBTFRMINS0204BK	HBTFRMINS0404BK	—
6" (152)	HBTFRMINS0206BK	HBTFRMINS0406BK	—
8" (203)	HBTFRMINS0208BK	HBTFRMINS0408BK	HBTFRMINS0608BK
12" (305)	HBTFRMINS0212BK	HBTFRMINS0412BK	HBTFRMINS0612BK
16" (406)	HBTFRMINS0216BK	HBTFRMINS0416BK	HBTFRMINS0616BK
18" (457)	HBTFRMINS0218BK	HBTFRMINS0418BK	HBTFRMINS0618BK
20" (508)	HBTFRMINS0220BK	HBTFRMINS0420BK	HBTFRMINS0620BK
24" (610)	HBTFRMINS0224BK	HBTFRMINS0424BK	HBTFRMINS0624BK

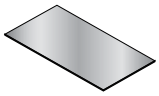
*Note: *For white insert, replace BK with WHT.*





Polymer Inserts
Provides a solid bottom for tray - order in 10 foot increments.

Tray Width	Length	White	Black
4" (102)	118" (3000)	HBTINSNM04WHT	HBTINSNM04
6" (152)	118" (3000)	HBTINSNM06WHT	HBTINSNM06
8" (203)	118" (3000)	HBTINSNM08WHT	HBTINSNM08
12" (305)	118" (3000)	HBTINSNM12WHT	HBTINSNM12
16" (406)	118" (3000)	HBTINSNM16WHT	HBTINSNM16
18" (457)	118" (3000)	HBTINSNM18WHT	HBTINSNM18
20" (508)	118" (3000)	HBTINSNM20WHT	HBTINSNM20
24" (610)	118" (3000)	HBTINSNM24WHT	HBTINSNM24



Galvanized Steel Inserts
Provides a solid bottom for tray -
5 feet length per piece; 1 piece per box.

Tray Width	Length	Pre-Galvanized	Black Powder Coat
4" (102)	59" (1500)	HBTINSM04	HBTINSM04BK
6" (152)	59" (1500)	HBTINSM06	HBTINSM06BK
8" (203)	59" (1500)	HBTINSM08	HBTINSM08BK
12" (305)	59" (1500)	HBTINSM12	HBTINSM12BK
16" (406)	59" (1500)	HBTINSM16	HBTINSM16BK
18" (457)	59" (1500)	HBTINSM18	HBTINSM18BK
20" (508)	59" (1500)	HBTINSM20	HBTINSM20BK
24" (610)	59" (1500)	HBTINSM24	HBTINSM24BK



Galvanized Steel Covers
Top cable and wire protector -
5 feet length per piece; 1 piece per box.

Tray Width	Length	Pre-Galvanized	Black Powder Coat
4" (102)	59" (1500)	HBTCVR4	HBTCVR4BK
6" (152)	59" (1500)	HBTCVR6	HBTCVR6BK
8" (203)	59" (1500)	HBTCVR8	HBTCVR8BK
12" (305)	59" (1500)	HBTCVR12	HBTCVR12BK
16" (406)	59" (1500)	HBTCVR16	HBTCVR16BK
18" (457)	59" (1500)	HBTCVR18	HBTCVR18BK
20" (508)	59" (1500)	HBTCVR20	HBTCVR20BK
24" (610)	59" (1500)	HBTCVR24	HBTCVR24BK



Galvanized Termination Support
Secures end of tray to wall and can serve as blank end fitting; 1 piece per box.

Tray Width	Length	Pre-Galvanized	Black Powder Coat
6" (152)	6.4" (163)	HBTTS6	HBTTS6BK
8" (203)	8" (203)	HBTTS8	HBTTS8BK
12" (305)	11.2" (284)	HBTTS12	HBTTS12BK
16" (406)	16" (406)	HBTTS16	HBTTS16BK
18" (457)	17.6" (447)	HBTTS18	HBTTS18BK
20" (508)	19.2" (488)	HBTTS20	HBTTS20BK
24" (610)	24" (610)	HBTTS24	HBTTS24BK



Galvanized Steel Dividers
Mounting hardware to secure to tray
(not included); 2 mounting holes per piece;
5 feet length per piece; 1 piece per box.

For use with Tray	Length	Pre-Galvanized	Black Powder Coat
2" (51) Deep	60" (1524)	HBTDIV2	HBTDIV2BK
4" (102) Deep	60" (1524)	HBTDIV4	HBTDIV4BK
6" (152) Deep	60" (1524)	HBTDIV6	HBTDIV6BK
8" (203) Deep	60" (1524)	HBTDIV8*	HBTDIV8BK*

*Note: *Minimum order quantity = 40 pieces.*



Dimensions in Inches (mm)

Accessories for Wire Basket Tray, Supports and Fittings

Description	Tray Width	Finish	Catalog Number	
Radius Down Increases cable protection and cable bend control; 1 per box.	4" (102) 6" (152) 12" (305)	Black Black Black	**HBTRD4BK** **HBTRD6BK** **HBTRD12BK**	
Exit Radius Down* Top tray attachment, increases cable protection and cable bend control; 1 per box.	4X4 Minimum Tray Size	Black	**HBTEXTRDBK**	
Vertical Down Protects cables when dropping from the end or side of tray; 1 per box.	7-3/4" (102)	Zinc Plated Black	**HBTVD** **HBTVDBK**	
Label Clip Attachment for all sizes of tray; 1 per box.		White	**HBTLC**	
Cable Guide* Maintains cable bend radius and acts as a divider for straight sections and fittings; 1 per box.		Black	**HBTCG**	
Electrical Box Bracket Attaches electrical box to side of tray; 1 per box.		Pre-Galvanized Black	**HBTEB** **HBTEBBL**	
Sidecar Attaches to outside of tray, provides additional cable support, 2" deep; 1 per box.		Pre-Galvanized Black	**HBTSC** **HBTSCBK**	
Splice Kit 3 piece staked bolt/washer and nut combination; splices straight sections and field formed fittings; 50 pieces per box.		Zinc Plated Black Stainless Steel	**HBTSK** **HBTSKBK** **HBTSKSS**	
Double Splice Kits 3 piece staked bolt/washer and nut combination; splices straight sections and field formed fittings; reduces installation time compared to standard splice kit; not available for 2" Tray. 50 pieces per box.		Zinc Plated Black Stainless Steel	**HBTSKD** **HBTSKDBK** **HBTSKDSS**	
Bar Splice Slotted bar 11-15/16" long; Splices straight sections and fittings; bend to form tray reducers; adds rigidity to tray splices; 50 pieces per box.		Zinc Plated Black Stainless Steel	**HBTBS** **HBTBSBK** **HBTBSSS**	
Corner Splice (2) 90° splice bars and (8) sets of the splice kit Splice Fittings Required: Use one per each Tee Fitting; Use two per each Cross Fitting.		Zinc Plated Black Stainless Steel	**HBTCS** **HBTCSBK** **HBTCSSS**	
Washer Supports Splices straight sections and fittings and can also be used as a hold down method for tray to strut (nut and bolt provided separately); 50 pieces per box.		Zinc Plated Black Stainless Steel	**HBTWS** **HBTWSBK** **HBTWSSS**	

*Note: *Mounting hardware included.*

Description	Finish	Catalog Number	
Self Tapping Screws with Supports 1/4" - 20 self tapping screw and HBTWS; 50 pieces per box.	Zinc Plated	**HBTUGS**	
Fitting Attachment Fills the gap in tray when creating fittings in 2" tray or 4"/6" tray.	Pre-Galvanized Black Pre-Galvanized Black	**HBTFA2** **HBTFA2BK** **HBTFA46** **HBTFA46BK**	
Rack Attachment Attaches tray directly to the top of a standard rack.	Zinc Plated Black	**HBTRA** **HBTRABK**	
Conduit Attachment Connects conduit to tray (3/4", 1" and 1-1/4" conduit).	Pre-Galvanized Black	**HBTCA3** **HBTCA3BK**	
Nut and Bolt Sets 1/4" - 20 nut and bolt sets; 50 pieces per box.	Zinc Plated Stainless Steel	**HBTNB** **HBTNBSS**	
Cable Drop Outs Black polymer inserts; Installed into the bottom of the basket tray to reduce pinch points and maintain a radius bend on the exiting cables.	Black	**HBTCDBK**	
Large Cable Drop Outs Black polymer inserts; Installed into the bottom of the basket tray to reduce pinch points and maintain a radius bend on the exiting cables (tray requires cutting to install).	Black	**HBTCD4X4BK**	
Strut Clips Used to hold down basket tray when used with any standard industry strut supports; 50 pieces per box.	Pre-Galvanized	**HBTSTRUTCLIP**	
	• 12" trays or smaller use 2 clips per strut support • 16" - 18" trays use 3 clips per strut support • Larger trays add one clip per strut support for every 6" of tray width		
Grounding Split Bolts These are sold in packs of 10 or 50. Bolts are used for supplemental grounding. One bolt is installed per section of basket tray. The installer must supply #6 AWG grounding wire.	Copper Alloy	**HBTSPLITBOLTPK10** **HBTSB50**	
Corner Radius Splice Radius Corner Splice provides a soft 90 degree with gap filler.	Zinc Plated	**HBTCRS** **HBTCRS4** **HBTCRS6**	

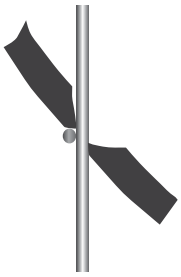


Dimensions in Inches (mm)

Cutting Wire Basket Tray

- Always make field cuts with the side action angle cutting tool
- Cuts can be made on any finish, width or depth basket tray
- Cut as many segments required for sweep elbows (see splice quantity column on product pages)
- Remove any sharp edges to eliminate possible damage to cables





(Side action cutter)

Cutting Tool

Description	Weight (Lb/each)	Qty. per Box	Catalog Number
Manual offset angled cutting tool, 24" leveraged handle	6.0	1	**HBTCUTTOOL**



How to Form a 90 Degree Flat Sweep Elbow

- Determine which wires must be cut for the type of fitting or redirection required; this will usually be the side and bottom wires of every other mesh section.
- Turn the tray over and cut the bottom wires.
- Cut the top side wire.
- Cut the remaining side wires; this creates open gaps in the side wall and bottom of the tray.
- Bend the tray to form the desired elbow radius curve by closing the gaps.
- Install splice kits and hardware where the wedge-shaped sections come together.
- Splice kits provide the mechanical connection as well as electrical grounding continuity.



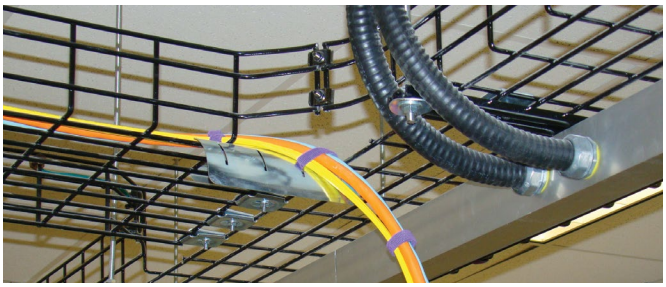


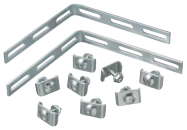


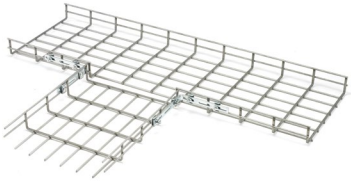
HBTSK Splice Kit
See page W-12 for ordering information.

How to Form a Tee Fitting

- Determine the location of the horizontal "tee" fitting along the length of basket tray.
- Cut the side wires from the tray which shall be the horizontal tray section, to the same width as the perpendicular tray section.
- Do not cut the bottom wires.
- Align the perpendicular tray to the opening in the side of the horizontal tray.
- Position one angle bracket from the HBTCS corner splice kit on each side of the opening.
- Secure the angle brackets to the horizontal and perpendicular tray sections with splice kits (nut, bolt and washer) provided in the HBTCS corner splice kit.
- Support the tee fitting on all three sides of the "tee" using appropriate support method.







HBTCS Corner Splice
See page W-12 for ordering information.

Dimensions in Inches (mm)

Wire Fill and Maximum Load Chart

Depth Inches	Width Inches	Area Sq. In.	Cat 5e (0.18" dia.) 50% Wire Fill	Cat 6 (0.23" dia.) 50% Wire Fill	Cat 6a (0.30" dia.) 50% Wire Fill	Max. Load (Lb/ft) (Supported at 6ft. spacing)
2	4	8	157	96	57	45
2	6	12	236	144	85	50
2	8	16	315	193	113	52
2	12	24	472	289	170	58
2	16	32	629	385	226	70
2	18	36	708	433	255	70
2	20	40	786	482	283	73
2	22	44	865	530	311	73
2	24	48	944	578	340	75
2	26	52	1022	626	368	73
2	28	56	1101	674	396	73
2	30	60	1180	722	425	70
2	32	64	1258	771	453	70
4	4	16	315	193	113	49
4	6	24	472	289	170	49
4	8	32	629	385	226	78
4	12	48	944	578	340	78
4	16	64	1258	771	453	108
4	18	72	1415	867	510	116
4	20	80	1573	963	566	116
4	22	88	1730	1060	623	116
4	24	96	1887	1156	679	116
4	28	112	2202	1349	793	108
6	8	48	944	578	340	116
6	12	72	1415	867	510	123
6	16	96	1887	1156	679	123
6	18	108	2123	1300	764	127
6	20	120	2359	1445	849	127
6	22	132	2595	1589	934	127
6	24	144	2831	1734	1019	150
8	8	64	1258	771	453	116
8	12	96	1887	1156	679	116
8	16	128	2516	1541	906	116
8	18	144	2831	1734	1019	116
8	20	160	3145	1926	1132	116

Sizes UL Classified or cUL Classified

as equipment ground conductor

2" Depth	4" Depth	6" Depth	8" Depth
2 x 6	4 x 6	6 x 8	8 x 8
2 x 8	4 x 8	6 x 12	8 x 12
2 x 12	4 x 12	6 x 16	8 x 16
2 x 16	4 x 16	6 x 18	8 x 20
2 x 18	4 x 18	6 x 20	
2 x 20	4 x 20	6 x 22	
2 x 24	4 x 24	6 x 24	

Note: Applicable to pre-galvanized and powder coat painted when spliced as recommended. Other non-UL sizes require external grounding conductor. Stainless steel is not UL Listed.

Instructions to Achieve Ground

- Use Hubbell splice kits (HBTSK) to achieve proper grounding at all splices, joints and fittings.
- Grounding lugs and external ground wire are not required when HBTSK splice kits are utilized with steel tray. (Stainless steel tray requires external grounding conductor.)

Dimensions in Inches (mm)

2.01 Acceptable Manufactures

1. Manufacturer: Subject to compliance with these specifications wire basket tray systems to be installed shall be Hubbell "HBT" series.

2.02 Wire Tray Sections and Components

1. Provide wire basket of types and sizes indicated with all required splicing and mounting hardware. Construct units with T-weld edges and smooth surfaces in compliance with applicable standards and with the following additional construction features.

   A. All straight section longitudinal wires shall be constructed with a continuous top wire safety edge. Safety edge must be T-welded on all tray sizes.

   B. Wire basket cross-wire to be constructed with either flat shaped wire design or with round wire design as directed by engineer.
   - Flat shaped cross wire design shall provide additional surface area for cable weight support and to avoid pressure points and strain on cables.
   - Round shaped cross wire design may be used in general purpose applications where cable weight and strain are not concerns.

2. Materials and Finishes: Material and finish specifications for Carbon Steel Wire and Pre-Galvanized steel wire are as follows:

   A. Pre-galvanized Zinc: Straight section shall be made from pre-galvanized steel meeting the minimum mechanical properties of ASTM A 641. Material must be cleaned after fabrication to remove any soot, manufacturing residue/oils or metallic particles.

   B. Powder Coat: Straight sections shall be powder coated black with an average paint thickness of 1.2mils (30microns) to 3.0mils (75microns). Hubbell powder coat product is masked at splice points to allow conductive ground design; no field paint removal is required.

   C. Stainless Steel: Straight sections and accessories shall be made from AISI Type 304L, 316L Stainless Steel (meeting the minimum mechanical properties of ASTM A 580).

   D. Electro-Plated Zinc Galvanized (Post Plated) Made from Carbon Steel and plated to ASTM B 633, Type III, SC-1.

   E. Hot Dip Galvanized: Plain steel (ASTM AS10) dip after fabricated and formed. ASTM A123.

3. Wire basket shall be made of high strength steel wires and formed into a standard 2-inch by 4-inch wire mesh pattern with intersecting wires welded together. All mesh sections must have at least one bottom longitudinal wire along entire length of straight section.

4. Wire basket sizes shall conform to the following nominal criteria:

   A. Straight sections shall be furnished in standard 118" (3m) lengths.

   B. Wire diameter shall be 0.195" (5mm) minimum on all mesh sections. Wire diameter shall be minimum size of 4.5mm on stainless steel.

   C. Wire basket shall have a 2-inch usable loading depth by (4), (6), (8), (10), (12), (14), (16), (18), (20), (22), (24), (26), (28), (30), (32) inches wide.

   D. Wire basket shall have a 4-inch usable loading depth by (4), (6), (8), (10), (12), (14), (16), (18), (20), (22), (24), (26), (28) inches wide.

   E. Wire basket shall have a 6-inch usable loading depth by (8), (10), (12), (14), (16), (18), (20), (22), (24) inches wide.

   F. Wire basket shall have an 8-inch usable loading depth by (8), (10), (12), (14), (16), (18), (20) inches wide.

5. All fittings shall be field formed from straight sections in accordance with manufacturer's instructions.

6. All Tray sections and splicing assemblies shall be UL/C-UL Classified as an Equipment Ground Conductor (EGC).

7. Wire mesh basket tray supports shall be ceiling trapeze type, center support, trapeze clips, or wall brackets as manufactured by Hubbell.

8. Special accessories shall be furnished as required to protect, support and install a wire basket support system.

Dimensions in Inches (mm)

Modular Cable Management

Hubbell Aluminum Ladder Tray system is a highly effective indoor and outdoor cable and delivery distribution management solution that stands up to the largest distance demands and the toughest environments, providing optimum protection and accessibility for infrastructure components without sagging, or the need for secondary supports.

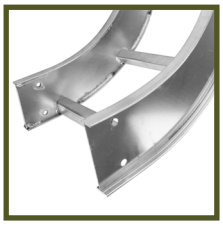
The Aluminum Ladder Tray is a modular system – straight sections are 12 feet long, available in 4 or 6 inch heights and widths from 6 to 36 inches—allowing easy configuration planning for the unique topologies of every installation. The Hubbell Aluminum Ladder Tray System is UL Listed and meets or exceeds NEMA standard VE1. Hubbell offers a full line of complementary supports, brackets, dividers, fittings, hardware and other accessories.





Arc-Welded Rung Construction

- Full electrical continuity
- No loosening
- Superior structural performance



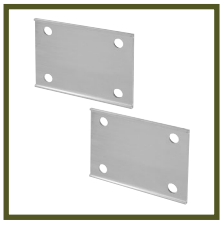
Pre-Drilled Splice Plate Mounting Holes

- Reduce on-site installation time



Radius Fittings

- Available in 12-, 24- or 36-inch radius
- All radius fittings have a 3″ flat surface beyond the radius



Splice Plates

- Included with all straight sections and fittings

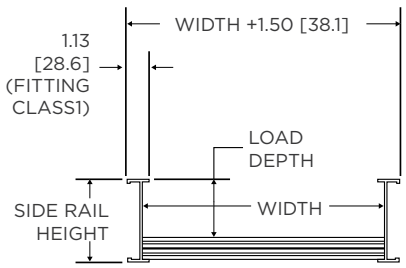
Features

- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- NEMA Class B or C
- Splice plates and hardware included*
- 12 foot sections with 9 inch rung spacing
- Rungs are welded to stringers for strength and continuity
- Use with Class 1 Fittings



Rail Height	Width	NEMA Class	NEMA Safe Load (lb/ft)	AMP Rating	Catalog Number
4″	6″	B	81	1000	**LTB406**
		C	100	1000	**LTC406**
	9″	B	81	1000	**LTB409**
		C	100	1000	**LTC409**
	12″	B	81	1000	**LTB412**
		C	100	1000	**LTC412**
	18″	B	81	1000	**LTB418**
		C	100	1000	**LTC418**
	24″	B	81	1000	**LTB424**
		C	100	1000	**LTC424**
	30″	B	81	1000	**LTB430**
		C	100	1000	**LTC430**
	36″	B	81	1000	**LTB436**
		C	100	1000	**LTC436**
6″	6″	B	89	1200	**LTB606**
		C	105	1200	**LTC606**
	9″	B	89	1200	**LTB609**
		C	105	1200	**LTC609**
	12″	B	89	1200	**LTB612**
		C	105	1200	**LTC612**
	18″	B	89	1200	**LTB618**
		C	105	1200	**LTC618**
	24″	B	89	1200	**LTB624**
		C	105	1200	**LTC624**
	30″	B	89	1200	**LTB630**
		C	105	1200	**LTC630**
	36″	B	89	1200	**LTB636**
		C	105	1200	**LTC636**

Note: 4″ Rail Height has a Load Depth of 3″. 6″ Rail Height has a Load Depth of 5″. Total Width is Width +1.5″.
**Included hardware is geomet-plated steel.*



Dimensions in Inches (mm)

Fittings, Horizontal Elbows

Features

- All fittings have 3″ flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9″ Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



Rail Height	Width	Radius	30 Degree	45 Degree	60 Degree	90 Degree
4″	6″	12″	LFHB3040612	LFHB4540612	LFHB6040612	LFHB9040612
		24″	LFHB3040624	LFHB4540624	LFHB6040624	LFHB9040624
		36″	LFHB3040636	LFHB4540636	LFHB6040636	LFHB9040636
	9″	12″	LFHB3040912	LFHB4540912	LFHB6040912	LFHB9040912
		24″	LFHB3040924	LFHB4540924	LFHB6040924	LFHB9040924
		36″	LFHB3040936	LFHB4540936	LFHB6040936	LFHB9040936
	12″	12″	LFHB3041212	LFHB4541212	LFHB6041212	LFHB9041212
		24″	LFHB3041224	LFHB4541224	LFHB6041224	LFHB9041224
		36″	LFHB3041236	LFHB4541236	LFHB6041236	LFHB9041236
	18″	12″	LFHB3041812	LFHB4541812	LFHB6041812	LFHB9041812
		24″	LFHB3041824	LFHB4541824	LFHB6041824	LFHB9041824
		36″	LFHB3041836	LFHB4541836	LFHB6041836	LFHB9041836
	24″	12″	LFHB3042412	LFHB4542412	LFHB6042412	LFHB9042412
		24″	LFHB3042424	LFHB4542424	LFHB6042424	LFHB9042424
		36″	LFHB3042436	LFHB4542436	LFHB6042436	LFHB9042436
	30″	12″	LFHB3043012	LFHB4543012	LFHB6043012	LFHB9043012
		24″	LFHB3043024	LFHB4543024	LFHB6043024	LFHB9043024
		36″	LFHB3043036	LFHB4543036	LFHB6043036	LFHB9043036
	36″	12″	LFHB3043612	LFHB4543612	LFHB6043612	LFHB9043612
		24″	LFHB3043624	LFHB4543624	LFHB6043624	LFHB9043624
		36″	LFHB3043636	LFHB4543636	LFHB6043636	LFHB9043636
6″	6″	12″	LFHB3060612	LFHB4560612	LFHB6060612	LFHB9060612
		24″	LFHB3060624	LFHB4560624	LFHB6060624	LFHB9060624
		36″	LFHB3060636	LFHB4560636	LFHB6060636	LFHB9060636
	9″	12″	LFHB3060912	LFHB4560912	LFHB6060912	LFHB9060912
		24″	LFHB3060924	LFHB4560924	LFHB6060924	LFHB9060924
		36″	LFHB3060936	LFHB4560936	LFHB6060936	LFHB9060936
	12″	12″	LFHB3061212	LFHB4561212	LFHB6061212	LFHB9061212
		24″	LFHB3061224	LFHB4561224	LFHB6061224	LFHB9061224
		36″	LFHB3061236	LFHB4561236	LFHB6061236	LFHB9061236
	18″	12″	LFHB3061812	LFHB4561812	LFHB6061812	LFHB9061812
		24″	LFHB3061824	LFHB4561824	LFHB6061824	LFHB9061824
		36″	LFHB3061836	LFHB4561836	LFHB6061836	LFHB9061836
	24″	12″	LFHB3062412	LFHB4562412	LFHB6062412	LFHB9062412
		24″	LFHB3062424	LFHB4562424	LFHB6062424	LFHB9062424
		36″	LFHB3062436	LFHB4562436	LFHB6062436	LFHB9062436
	30″	12″	LFHB3063012	LFHB4563012	LFHB6063012	LFHB9063012
		24″	LFHB3063024	LFHB4563024	LFHB6063024	LFHB9063024
		36″	LFHB3063036	LFHB4563036	LFHB6063036	LFHB9063036
	36″	12″	LFHB3063612	LFHB4563612	LFHB6063612	LFHB9063612
		24″	LFHB3063624	LFHB4563624	LFHB6063624	LFHB9063624
		36″	LFHB3063636	LFHB4563636	LFHB6063636	LFHB9063636

*Note: *Included hardware is geomet-plated steel.*

Dimensions in Inches (mm)

Features

- All fittings have 3″ flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9″ Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



Rail Height	Width	Radius	30 Degree	45 Degree	60 Degree	90 Degree
4″	6″	12″	LFVI3040612	LFVI4540612	LFVI6040612	LFVI9040612
		24″	LFVI3040624	LFVI4540624	LFVI6040624	LFVI9040624
		36″	LFVI3040636	LFVI4540636	LFVI6040636	LFVI9040636
	9″	12″	LFVI3040912	LFVI4540912	LFVI6040912	LFVI9040912
		24″	LFVI3040924	LFVI4540924	LFVI6040924	LFVI9040924
		36″	LFVI3040936	LFVI4540936	LFVI6040936	LFVI9040936
	12″	12″	LFVI3041212	LFVI4541212	LFVI6041212	LFVI9041212
		24″	LFVI3041224	LFVI4541224	LFVI6041224	LFVI9041224
		36″	LFVI3041236	LFVI4541236	LFVI6041236	LFVI9041236
	18″	12″	LFVI3041812	LFVI4541812	LFVI6041812	LFVI9041812
		24″	LFVI3041824	LFVI4541824	LFVI6041824	LFVI9041824
		36″	LFVI3041836	LFVI4541836	LFVI6041836	LFVI9041836
	24″	12″	LFVI3042412	LFVI4542412	LFVI6042412	LFVI9042412
		24″	LFVI3042424	LFVI4542424	LFVI6042424	LFVI9042424
		36″	LFVI3042436	LFVI4542436	LFVI6042436	LFVI9042436
	30″	12″	LFVI3043012	LFVI4543012	LFVI6043012	LFVI9043012
		24″	LFVI3043024	LFVI4543024	LFVI6043024	LFVI9043024
		36″	LFVI3043036	LFVI4543036	LFVI6043036	LFVI9043036
	36″	12″	LFVI3043612	LFVI4543612	LFVI6043612	LFVI9043612
		24″	LFVI3043624	LFVI4543624	LFVI6043624	LFVI9043624
		36″	LFVI3043636	LFVI4543636	LFVI6043636	LFVI9043636
6″	6″	12″	LFVI3060612	LFVI4560612	LFVI6060612	LFVI9060612
		24″	LFVI3060624	LFVI4560624	LFVI6060624	LFVI9060624
		36″	LFVI3060636	LFVI4560636	LFVI6060636	LFVI9060636
	9″	12″	LFVI3060912	LFVI4560912	LFVI6060912	LFVI9060912
		24″	LFVI3060924	LFVI4560924	LFVI6060924	LFVI9060924
		36″	LFVI3060936	LFVI4560936	LFVI6060936	LFVI9060936
	12″	12″	LFVI3061212	LFVI4561212	LFVI6061212	LFVI9061212
		24″	LFVI3061224	LFVI4561224	LFVI6061224	LFVI9061224
		36″	LFVI3061236	LFVI4561236	LFVI6061236	LFVI9061236
	18″	12″	LFVI3061812	LFVI4561812	LFVI6061812	LFVI9061812
		24″	LFVI3061824	LFVI4561824	LFVI6061824	LFVI9061824
		36″	LFVI3061836	LFVI4561836	LFVI6061836	LFVI9061836
	24″	12″	LFVI3062412	LFVI4562412	LFVI6062412	LFVI9062412
		24″	LFVI3062424	LFVI4562424	LFVI6062424	LFVI9062424
		36″	LFVI3062436	LFVI4562436	LFVI6062436	LFVI9062436
	30″	12″	LFVI3063012	LFVI4563012	LFVI6063012	LFVI9063012
		24″	LFVI3063024	LFVI4563024	LFVI6063024	LFVI9063024
		36″	LFVI3063036	LFVI4563036	LFVI6063036	LFVI9063036
	36″	12″	LFVI3063612	LFVI4563612	LFVI6063612	LFVI9063612
		24″	LFVI3063624	LFVI4563624	LFVI6063624	LFVI9063624
		36″	LFVI3063636	LFVI4563636	LFVI6063636	LFVI9063636

*Note: *Included hardware is geomet-plated steel.*

Dimensions in Inches (mm)

Fittings, Vertical Outside Elbows

Features

- All fittings have 3″ flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9″ Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



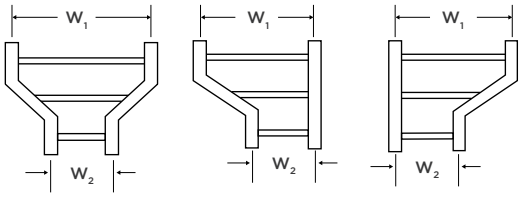
Rail Height	Width	Radius	30 Degree	45 Degree	60 Degree	90 Degree
4″	6″	12″	LFVO3040612	LFVO4540612	LFVO6040612	LFVO9040612
		24″	LFVO3040624	LFVO4540624	LFVO6040624	LFVO9040624
		36″	LFVO3040636	LFVO4540636	LFVO6040636	LFVO9040636
	9″	12″	LFVO3040912	LFVO4540912	LFVO6040912	LFVO9040912
		24″	LFVO3040924	LFVO4540924	LFVO6040924	LFVO9040924
		36″	LFVO3040936	LFVO4540936	LFVO6040936	LFVO9040936
	12″	12″	LFVO3041212	LFVO4541212	LFVO6041212	LFVO9041212
		24″	LFVO3041224	LFVO4541224	LFVO6041224	LFVO9041224
		36″	LFVO3041236	LFVO4541236	LFVO6041236	LFVO9041236
	18″	12″	LFVO3041812	LFVO4541812	LFVO6041812	LFVO9041812
		24″	LFVO3041824	LFVO4541824	LFVO6041824	LFVO9041824
		36″	LFVO3041836	LFVO4541836	LFVO6041836	LFVO9041836
	24″	12″	LFVO3042412	LFVO4542412	LFVO6042412	LFVO9042412
		24″	LFVO3042424	LFVO4542424	LFVO6042424	LFVO9042424
		36″	LFVO3042436	LFVO4542436	LFVO6042436	LFVO9042436
	30″	12″	LFVO3043012	LFVO4543012	LFVO6043012	LFVO9043012
		24″	LFVO3043024	LFVO4543024	LFVO6043024	LFVO9043024
		36″	LFVO3043036	LFVO4543036	LFVO6043036	LFVO9043036
	36″	12″	LFVO3043612	LFVO4543612	LFVO6043612	LFVO9043612
		24″	LFVO3043624	LFVO4543624	LFVO6043624	LFVO9043624
		36″	LFVO3043636	LFVO4543636	LFVO6043636	LFVO9043636
6″	6″	12″	LFVO3060612	LFVO4560612	LFVO6060612	LFVO9060612
		24″	LFVO3060624	LFVO4560624	LFVO6060624	LFVO9060624
		36″	LFVO3060636	LFVO4560636	LFVO6060636	LFVO9060636
	9″	12″	LFVO3060912	LFVO4560912	LFVO6060912	LFVO9060912
		24″	LFVO3060924	LFVO4560924	LFVO6060924	LFVO9060924
		36″	LFVO3060936	LFVO4560936	LFVO6060936	LFVO9060936
	12″	12″	LFVO3061212	LFVO4561212	LFVO6061212	LFVO9061212
		24″	LFVO3061224	LFVO4561224	LFVO6061224	LFVO9061224
		36″	LFVO3061236	LFVO4561236	LFVO6061236	LFVO9061236
	18″	12″	LFVO3061812	LFVO4561812	LFVO6061812	LFVO9061812
		24″	LFVO3061824	LFVO4561824	LFVO6061824	LFVO9061824
		36″	LFVO3061836	LFVO4561836	LFVO6061836	LFVO9061836
	24″	12″	LFVO3062412	LFVO4562412	LFVO6062412	LFVO9062412
		24″	LFVO3062424	LFVO4562424	LFVO6062424	LFVO9062424
		36″	LFVO3062436	LFVO4562436	LFVO6062436	LFVO9062436
	30″	12″	LFVO3063012	LFVO4563012	LFVO6063012	LFVO9063012
		24″	LFVO3063024	LFVO4563024	LFVO6063024	LFVO9063024
		36″	LFVO3063036	LFVO4563036	LFVO6063036	LFVO9063036
	36″	12″	LFVO3063612	LFVO4563612	LFVO6063612	LFVO9063612
		24″	LFVO3063624	LFVO4563624	LFVO6063624	LFVO9063624
		36″	LFVO3063636	LFVO4563636	LFVO6063636	LFVO9063636

*Note: *Included hardware is geomet-plated steel.*

Dimensions in Inches (mm)

Features

- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9″ Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



Rail Height	Width 1	Width 2	Center	left	right
4″	9″	6″	LFRC40906	LFRL40906	LFRR40906
	12″	6″	LFRC41206	LFRL41206	LFRR41206
		9″	LFRC41209	LFRL41209	LFRR41209
	18″	6″	LFRC41806	LFRL41806	LFRR41806
		9″	LFRC41809	LFRL41809	LFRR41809
		12″	LFRC41812	LFRL41812	LFRR41812
	24″	6″	LFRC42406	LFRL42406	LFRR42406
		9″	LFRC42409	LFRL42409	LFRR42409
		12″	LFRC42412	LFRL42412	LFRR42412
		18″	LFRC42418	LFRL42418	LFRR42418
	30″	6″	LFRC43006	LFRL43006	LFRR43006
		9″	LFRC43009	LFRL43009	LFRR43009
		12″	LFRC43012	LFRL43012	LFRR43012
		18″	LFRC43018	LFRL43018	LFRR43018
		24″	LFRC43024	LFRL43024	LFRR43024
	36″	6″	LFRC43606	LFRL43606	LFRL43606
		9″	LFRC43609	LFRL43609	LFRL43609
		12″	LFRC43612	LFRL43612	LFRL43612
		18″	LFRC43618	LFRL43618	LFRL43618
		24″	LFRC43624	LFRL43624	LFRL43624
		30″	LFRC43630	LFRL43630	LFRL43630
6″	9″	6″	LFRC60906	LFRL60906	LFRR60906
	12″	6″	LFRC61206	LFRL61206	LFRR61206
		9″	LFRC61209	LFRL61209	LFRR61209
	18″	6″	LFRC61806	LFRL61806	LFRR61806
		9″	LFRC61809	LFRL61809	LFRR61809
		12″	LFRC61812	LFRL61812	LFRR61812
	24″	6″	LFRC62406	LFRL62406	LFRR62406
		9″	LFRC62409	LFRL62409	LFRR62409
		12″	LFRC62412	LFRL62412	LFRR62412
		18″	LFRC62418	LFRL62418	LFRR62418
	30″	6″	LFRC63006	LFRL63006	LFRR63006
		9″	LFRC63009	LFRL63009	LFRR63009
		12″	LFRC63012	LFRL63012	LFRR63012
		18″	LFRC63018	LFRL63018	LFRR63018
		24″	LFRC63024	LFRL63024	LFRR63024
	36″	6″	LFRC63606	LFRL63606	LFRL43606
		9″	LFRC63609	LFRL63609	LFRL43609
		12″	LFRC63612	LFRL63612	LFRL43612
		18″	LFRC63618	LFRL63618	LFRL43618
		24″	LFRC63624	LFRL63624	LFRL43624
		30″	LFRC63630	LFRL63630	LFRL43630







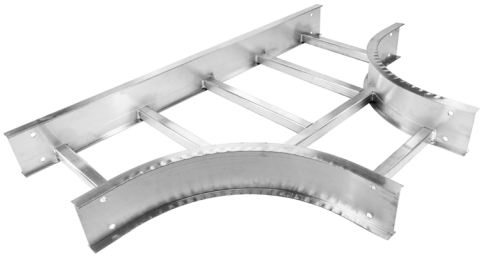
*Note: *Included hardware is geomet-plated steel*

Dimensions in Inches (mm)

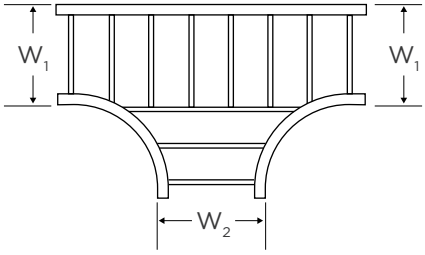
Fittings, Standard Horizontal Tee (Width 1 = Width 2)

Features

- All fittings have 3″ flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9″ Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



HORIZONTAL TEE
$W_1=W_2$



Rail Height	Width 1	Width 2	Radius	90 Degree
4″	6″	6″	12″	**LFT4060612**
			24″	**LFT4060624**
			36″	**LFT4060636**
	9″	9″	12″	**LFT4090912**
			24″	**LFT4090924**
			36″	**LFT4090936**
	12″	12″	12″	**LFT4121212**
			24″	**LFT4121224**
			36″	**LFT4121236**
	18″	18″	12″	**LFT4181812**
			24″	**LFT4181824**
			36″	**LFT4181836**
	24″	24″	12″	**LFT4242412**
			24″	**LFT4242424**
			36″	**LFT4242436**
	30″	30″	12″	**LFT4303012**
			24″	**LFT4303024**
			36″	**LFT4303036**
	36″	36″	12″	**LFT4363612**
			24″	**LFT4363624**
			36″	**LFT4363636**
6″	6″	6″	12″	**LFT6060612**
			24″	**LFT6060624**
			36″	**LFT6060636**
	9″	9″	12″	**LFT6090912**
			24″	**LFT6090924**
			36″	**LFT6090936**
	12″	12″	12″	**LFT6121212**
			24″	**LFT6121224**
			36″	**LFT6121236**
	18″	18″	12″	**LFT6181812**
			24″	**LFT6181824**
			36″	**LFT6181836**
	24″	24″	12″	**LFT6242412**
			24″	**LFT6242424**
			36″	**LFT6242436**
	30″	30″	12″	**LFT6303012**
			24″	**LFT6303024**
			36″	**LFT6303036**
	36″	36″	12″	**LFT6363612**
			24″	**LFT6363624**
			36″	**LFT6363636**

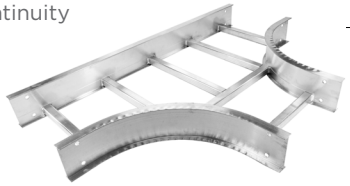
*Note: *Included hardware is geomet-plated steel.*

Dimensions in Inches (mm)

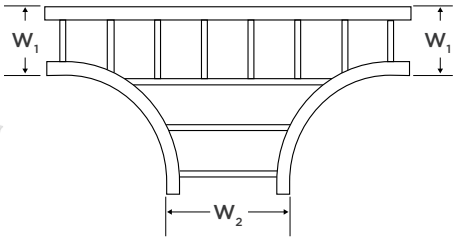
Fittings, Expanding Horizontal Tee (Width 1 < Width 2)

Features

- All fittings have 3" flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9" Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



HORIZONTAL EXPANDING TEE
$W_1 < W_2$



Rail Height	Width 1	Width 2	Radius	Catalog
4"	6"	9"	12"	LFT4060912
			24"	LFT4060924
			36"	LFT4060936
		12"	12"	LFT4061212
			24"	LFT4061224
			36"	LFT4061236
		18"	12"	LFT4061812
			24"	LFT4061824
			36"	LFT4061836
		24"	12"	LFT4062412
			24"	LFT4062424
			36"	LFT4062436
		30"	12"	LFT4063012
			24"	LFT4063024
			36"	LFT4063036
		36"	12"	LFT4063612
			24"	LFT4063624
			36"	LFT4063636
	9"	12"	12"	LFT4091212
			24"	LFT4091224
			36"	LFT4091236
		18"	12"	LFT4091812

Rail Height	Width 1	Width 2	Radius	Catalog
4"	9"	12"	24"	LFT4091824
			36"	LFT4091836
		24"	12"	LFT4092412
			24"	LFT4092424
			36"	LFT4092436
		30"	12"	LFT4093012
			24"	LFT4093024
			36"	LFT4093036
		36"	12"	LFT4093612
			24"	LFT4093624
			36"	LFT4093636
	12"	18"	12"	LFT4121812
			24"	LFT4121824
			36"	LFT4121836
		24"	12"	LFT4122412
			24"	LFT4122424
			36"	LFT4122436
		30"	12"	LFT4123012
			24"	LFT4123024
			36"	LFT4123036
		36"	12"	LFT4123612
			24"	LFT4123624

Rail Height	Width 1	Width 2	Radius	Catalog
4"	12"	36"	36"	LFT4123636
	18"	24"	12"	LFT4182412
			24"	LFT4182424
			36"	LFT4182436
		30"	12"	LFT4183012
			24"	LFT4183024
			36"	LFT4183036
		36"	12"	LFT4183612
			24"	LFT4183624
			36"	LFT4183636
	24"	30"	12"	LFT4243012
			24"	LFT4243024
			36"	LFT4243036
		36"	12"	LFT4243612
			24"	LFT4243624
			36"	LFT4243636
	30"	36"	12"	LFT4303612
			24"	LFT4303624
			36"	LFT4303636

Rail Height	Width 1	Width 2	Radius	Catalog
6"	6"	9"	12"	LFT6060912
			24"	LFT6060924
			36"	LFT6060936
		12"	12"	LFT6061212
			24"	LFT6061224
			36"	LFT6061236
		18"	12"	LFT6061812
			24"	LFT6061824
			36"	LFT6061836
		24"	12"	LFT6062412
			24"	LFT6062424
			36"	LFT6062436
		30"	12"	LFT6063012
			24"	LFT6063024
			36"	LFT6063036
		36"	12"	LFT6063612
			24"	LFT6063624
			36"	LFT6063636
	9"	12"	12"	LFT6091212
			24"	LFT6091224
			36"	LFT6091236
		18"	12"	LFT6091812

Rail Height	Width 1	Width 2	Radius	Catalog
6"	9"	12"	24"	LFT6091824
			36"	LFT6091836
		24"	12"	LFT6092412
			24"	LFT6092424
			36"	LFT6092436
		30"	12"	LFT6093012
			24"	LFT6093024
			36"	LFT6093036
		36"	12"	LFT6093612
			24"	LFT6093624
			36"	LFT6093636
	12"	18"	12"	LFT6121812
			24"	LFT6121824
			36"	LFT6121836
		24"	12"	LFT6122412
			24"	LFT6122424
			36"	LFT6122436
		30"	12"	LFT6123012
			24"	LFT6123024
			36"	LFT6123036
		36"	12"	LFT6123612
			24"	LFT6123624

Rail Height	Width 1	Width 2	Radius	Catalog
6"	12"	36"	36"	LFT6123636
	18"	24"	12"	LFT6182412
			24"	LFT6182424
			36"	LFT6182436
		30"	12"	LFT6183012
			24"	LFT6183024
			36"	LFT6183036
		36"	12"	LFT6183612
			24"	LFT6183624
			36"	LFT6183636
	24"	30"	12"	LFT6243012
			24"	LFT6243024
			36"	LFT6243036
		36"	12"	LFT6243612
			24"	LFT6243624
			36"	LFT6243636
	30"	36"	12"	LFT6303612
			24"	LFT6303624
			36"	LFT6303636

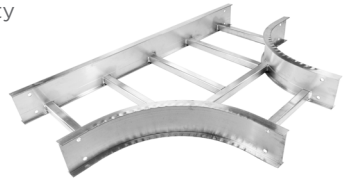
*Note: *Included hardware is geomet-plated steel.*

Dimensions in Inches (mm)

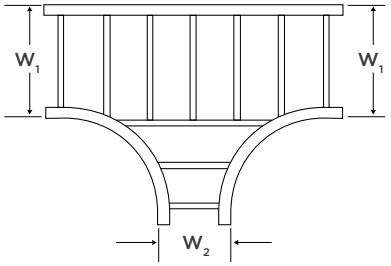
Fittings, Reducing Horizontal Tee (Width 1 > Width 2)

Features

- All fittings have 3″ flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9″ Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



HORIZONTAL
EXPANDING TEE
$W_1 > W_2$



Rail Height	Width 1	Width 2	Radius	Catalog
4"	9"	6"	12"	LFT4090612
			24"	LFT4090624
			36"	LFT4090636
	12"	6"	12"	LFT4120612
			24"	LFT4120624
			36"	LFT4120636
		9"	12"	LFT4120912
			24"	LFT4120924
			36"	LFT4120936
	18"	6"	12"	LFT4180612
			24"	LFT4180624
			36"	LFT4180636
		9"	12"	LFT4180912
			24"	LFT4180924
			36"	LFT4180936
		12"	12"	LFT4181212
			24"	LFT4181224
			36"	LFT4181236
	24"	6"	12"	LFT4240612
			24"	LFT4240624
			36"	LFT4240636
		9"	12"	LFT4240912

Rail Height	Width 1	Width 2	Radius	Catalog
4"	24"	9"	24"	LFT4240924
			36"	LFT4240936
		12"	12"	LFT4241212
			24"	LFT4241224
			36"	LFT4241236
		18"	12"	LFT4241812
			24"	LFT4241824
			36"	LFT4241836
	30"	6"	12"	LFT4300612
			24"	LFT4300624
			36"	LFT4300636
		9"	12"	LFT4300912
			24"	LFT4300924
			36"	LFT4300936
		12"	12"	LFT4301212
			24"	LFT4301224
			36"	LFT4301236
		18"	12"	LFT4301812
			24"	LFT4301824
			36"	LFT4301836
		24"	12"	LFT4302412
			24"	LFT4302424

Rail Height	Width 1	Width 2	Radius	Catalog
4"	30"	24"	36"	LFT4302436
	36"	6"	12"	LFT4360612
			24"	LFT4360624
			36"	LFT4360636
		9"	12"	LFT4360912
			24"	LFT4360924
			36"	LFT4360936
		12"	12"	LFT4361212
			24"	LFT4361224
			36"	LFT4361236
		18"	12"	LFT4361812
			24"	LFT4361824
			36"	LFT4361836
		24"	12"	LFT4362412
			24"	LFT4362424
			36"	LFT4362436
		30"	12"	LFT4363012
			24"	LFT4363024
			36"	LFT4363036

Rail Height	Width 1	Width 2	Radius	Catalog
4"	9"	6"	12"	LFT6090612
			24"	LFT6090624
			36"	LFT6090636
	12"	6"	12"	LFT6120612
			24"	LFT6120624
			36"	LFT6120636
		9"	12"	LFT6120912
			24"	LFT6120924
			36"	LFT6120936
	18"	6"	12"	LFT6180612
			24"	LFT6180624
			36"	LFT6180636
		9"	12"	LFT6180912
			24"	LFT6180924
			36"	LFT6180936
		12"	12"	LFT6181212
			24"	LFT6181224
			36"	LFT6181236
	24"	6"	12"	LFT6240612
			24"	LFT6240624
			36"	LFT6240636
		9"	12"	LFT6240912

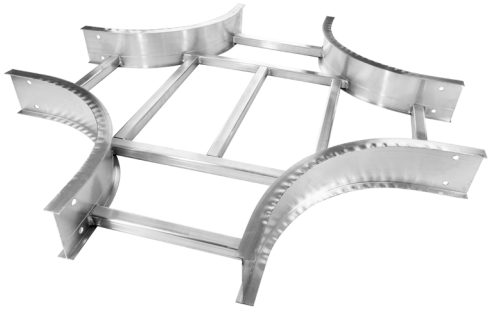
Rail Height	Width 1	Width 2	Radius	Catalog
4"	24"	9"	24"	LFT6240924
			36"	LFT6240936
		12"	12"	LFT6241212
			24"	LFT6241224
			36"	LFT6241236
		18"	12"	LFT6241812
			24"	LFT6241824
			36"	LFT6241836
	30"	6"	12"	LFT6300612
			24"	LFT6300624
			36"	LFT6300636
		9"	12"	LFT6300912
			24"	LFT6300924
			36"	LFT6300936
		12"	12"	LFT6301212
			24"	LFT6301224
			36"	LFT6301236
		18"	12"	LFT6301812
			24"	LFT6301824
			36"	LFT6301836
		24"	12"	LFT6302412
			24"	LFT6302424

Rail Height	Width 1	Width 2	Radius	Catalog
4"	30"	24"	36"	LFT6302436
	36"	6"	12"	LFT6360612
			24"	LFT6360624
			36"	LFT6360636
		9"	12"	LFT6360912
			24"	LFT6360924
			36"	LFT6360936
		12"	12"	LFT6361212
			24"	LFT6361224
			36"	LFT6361236
		18"	12"	LFT6361812
			24"	LFT6361824
			36"	LFT6361836
		24"	12"	LFT6362412
			24"	LFT6362424
			36"	LFT6362436
		30"	12"	LFT6363012
			24"	LFT6363024
			36"	LFT6363036

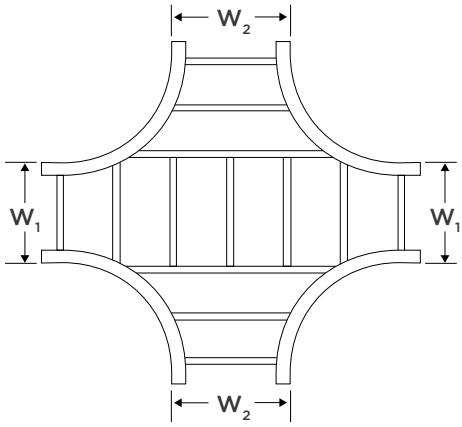
*Note: *Included hardware is geomet-plated steel.*
Dimensions in Inches (mm)

Features

- All fittings have 3″ flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9″ Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*



HORIZONTAL CROSS
$W_1=W_2$



Rail Height	Width 1	Width 2	Radius	Catalog
4″	6″	6″	12″	LFX4060612
			24″	LFX4060624
			36″	LFX4060636
	9″	9″	12″	LFX4090912
			24″	LFX4090924
			36″	LFX4090936
	12″	12″	12″	LFX4121212
			24″	LFX4121224
			36″	LFX4121236
	18″	18″	12″	LFX4181812
			24″	LFX4181824
			36″	LFX4181836
	24″	24″	12″	LFX4242412
			24″	LFX4242424
			36″	LFX4242436
	30″	30″	12″	LFX4303012
			24″	LFX4303024
			36″	LFX4303036
	36″	36″	12″	LFX4363612
			24″	LFX4363624
			36″	LFX4363636
6″	6″	6″	12″	LFX6060612
			24″	LFX6060624
			36″	LFX6060636
	9″	9″	12″	LFX6090912
			24″	LFX6090924
			36″	LFX6090936
	12″	12″	12″	LFX6121212
			24″	LFX6121224
			36″	LFX6121236
	18″	18″	12″	LFX6181812
			24″	LFX6181824
			36″	LFX6181836
	24″	24″	12″	LFX6242412
			24″	LFX6242424
			36″	LFX6242436
	30″	30″	12″	LFX6303012
			24″	LFX6303024
			36″	LFX6303036
	36″	36″	12″	LFX6363612
			24″	LFX6363624
			36″	LFX6363636

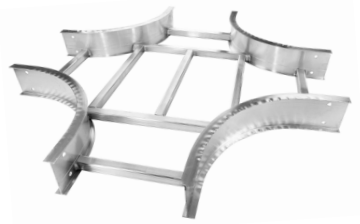
*Note: *Included hardware is geomet-plated steel.*

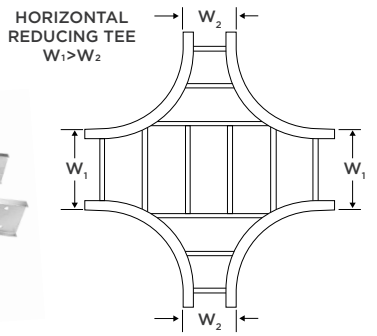
Dimensions in Inches (mm)

Fittings, Reducing Cross (Width 1 > Width 2)

Features

- All fittings have 3″ flat sections at the ends to allow space for mounting splices
- For use indoors, outdoors or in harsh environments
- Aluminum Alloy 6063
- Rungs are welded to stringers for strength and continuity
- 9″ Rung spacing
- Class 1 Fitting
- Splice plates and hardware included*





Rail Height	Width 1	Width 2	Radius	Catalog
4"	9"	6"	12"	LFX4090612
			24"	LFX4090624
			36"	LFX4090636
	12"	6"	12"	LFX4120612
			24"	LFX4120624
			36"	LFX4120636
		9"	12"	LFX4120912
			24"	LFX4120924
			36"	LFX4120936
	18"	6"	12"	LFX4180612
			24"	LFX4180624
			36"	LFX4180636
		9"	12"	LFX4180912
			24"	LFX4180924
			36"	LFX4180936
		12"	12"	LFX4181212
			24"	LFX4181224
			36"	LFX4181236
	24"	6"	12"	LFX4240612
			24"	LFX4240624
			36"	LFX4240636
		9"	12"	LFX4240912

Rail Height	Width 1	Width 2	Radius	Catalog
4"	24"	9"	24"	LFX4240924
			36"	LFX4240936
		12"	12"	LFX4241212
			24"	LFX4241224
			36"	LFX4241236
		18"	12"	LFX4241812
			24"	LFX4241824
			36"	LFX4241836
	30"	6"	12"	LFX4300612
			24"	LFX4300624
			36"	LFX4300636
		9"	12"	LFX4300912
			24"	LFX4300924
			36"	LFX4300936
		12"	12"	LFX4301212
			24"	LFX4301224
			36"	LFX4301236
		18"	12"	LFX4301812
			24"	LFX4301824
			36"	LFX4301836
		24"	12"	LFX4302412
			24"	LFX4302424

Rail Height	Width 1	Width 2	Radius	Catalog
4"	30"	24"	36"	LFX4302436
	36"	6"	12"	LFX4360612
			24"	LFX4360624
			36"	LFX4360636
		9"	12"	LFX4360912
			24"	LFX4360924
			36"	LFX4360936
		12"	12"	LFX4361212
			24"	LFX4361224
			36"	LFX4361236
		18"	12"	LFX4361812
			24"	LFX4361824
			36"	LFX4361836
		24"	12"	LFX4362412
			24"	LFX4362424
			36"	LFX4362436
		30"	12"	LFX4363012
			24"	LFX4363024
			36"	LFX4363036

Rail Height	Width 1	Width 2	Radius	Catalog
4"	9"	6"	12"	LFX6090612
			24"	LFX6090624
			36"	LFX6090636
	12"	6"	12"	LFX6120612
			24"	LFX6120624
			36"	LFX6120636
		9"	12"	LFX6120912
			24"	LFX6120924
			36"	LFX6120936
	18"	6"	12"	LFX6180612
			24"	LFX6180624
			36"	LFX6180636
		9"	12"	LFX6180912
			24"	LFX6180924
			36"	LFX6180936
		12"	12"	LFX6181212
			24"	LFX6181224
			36"	LFX6181236
	24"	6"	12"	LFX6240612
			24"	LFX6240624
			36"	LFX6240636
		9"	12"	LFX6240912

Rail Height	Width 1	Width 2	Radius	Catalog
4"	24"	9"	24"	LFX6240924
			36"	LFX6240936
		12"	12"	LFX6241212
			24"	LFX6241224
			36"	LFX6241236
		18"	12"	LFX6241812
			24"	LFX6241824
			36"	LFX6241836
	30"	6"	12"	LFX6300612
			24"	LFX6300624
			36"	LFX6300636
		9"	12"	LFX6300912
			24"	LFX6300924
			36"	LFX6300936
		12"	12"	LFX6301212
			24"	LFX6301224
			36"	LFX6301236
		18"	12"	LFX6301812
			24"	LFX6301824
			36"	LFX6301836
		24"	12"	LFX6302412
			24"	LFX6302424

Rail Height	Width 1	Width 2	Radius	Catalog
4"	30"	24"	36"	LFX6302436
	36"	6"	12"	LFX6360612
			24"	LFX6360624
			36"	LFX6360636
		9"	12"	LFX6360912
			24"	LFX6360924
			36"	LFX6360936
		12"	12"	LFX6361212
			24"	LFX6361224
			36"	LFX6361236
		18"	12"	LFX6361812
			24"	LFX6361824
			36"	LFX6361836
		24"	12"	LFX6362412
			24"	LFX6362424
			36"	LFX6362436
		30"	12"	LFX6363012
			24"	LFX6363024
			36"	LFX6363036

*Note: *Included hardware is geomet-plated steel.*

*Note: *Included hardware is geomet-plated steel.*
Dimensions in Inches (mm)

Features

- For use indoors, outdoors or in harsh environments
- Provided with self tapping screws



Straight Divider

Description	Rail Height	Catalog Number
12′ length	4″	**LD412**
	6″	**LD612**



Flexible Divider

Description	Rail Height	Catalog Number
For use with horizontal fittings - 6′ length	4″	**LDF46**
	6″	**LDF66**



Vertical Inside Divider

Rail Height	Angle	Radius	Catalog
4″	30°	12″	**LDVI30412**
		24″	**LDVI30424**
		36″	**LDVI30436**
	45°	12″	**LDVI45412**
		24″	**LDVI45424**
		36″	**LDVI45436**
	60°	12″	**LDVI60412**
		24″	**LDVI60424**
		36″	**LDVI60436**
	90°	12″	**LDVI90412**
		24″	**LDVI90424**
		36″	**LDVI90436**
6″	30°	12″	**LDVI30612**
		24″	**LDVI30624**
		36″	**LDVI30636**
	45°	12″	**LDVI45612**
		24″	**LDVI45624**
		36″	**LDVI45636**
	60°	12″	**LDVI60612**
		24″	**LDVI60624**
		36″	**LDVI60636**
	90°	12″	**LDVI90612**
		24″	**LDVI90624**
		36″	**LDVI90636**

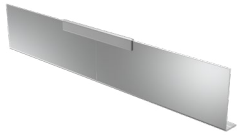


Vertical Outside Divider

Rail Height	Angle	Radius	Catalog
4″	30°	12″	**LDVO30412**
		24″	**LDVO30424**
		36″	**LDVO30436**
	45°	12″	**LDVO45412**
		24″	**LDVO45424**
		36″	**LDVO45436**
	60°	12″	**LDVO60412**
		24″	**LDVO60424**
		36″	**LDVO60436**
	90°	12″	**LDVO90412**
		24″	**LDVO90424**
		36″	**LDVO90436**
6″	30°	12″	**LDVO30612**
		24″	**LDVO30624**
		36″	**LDVO30636**
	45°	12″	**LDVO45612**
		24″	**LDVO45624**
		36″	**LDVO45636**
	60°	12″	**LDVO60612**
		24″	**LDVO60624**
		36″	**LDVO60636**
	90°	12″	**LDVO90612**
		24″	**LDVO90624**
		36″	**LDVO90636**

Divider Splice

Description	Catalog Number
5″ length.	**LDS5**

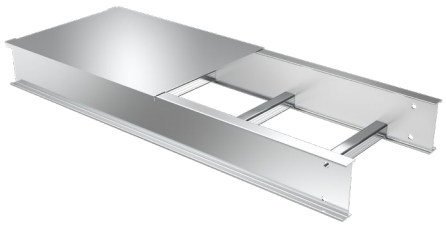


Dimensions in Inches (mm)

Accessories for Aluminum Ladder - Covers

Flats, Horizontal Bends, and Vertical Inside Fittings

- For use indoors, outdoors or in harsh environments
- Flanged Cover



Flat Cover

Width	Catalog
6″	LACF06
9″	LACF09
12″	LACF12
18″	LACF18
24″	LACF24
30″	LACF30
36″	LACF36

Horizontal Elbow Cover

Width	Radius	30 Degree	45 Degree	60 Degree	90 Degree
6″	12″	LACHB300612	LACHB450612	LACHB600612	LACHB900612
	24″	LACHB300624	LACHB450624	LACHB600624	LACHB900624
	36″	LACHB300636	LACHB450636	LACHB600636	LACHB900636
9″	12″	LACHB300912	LACHB450912	LACHB600912	LACHB900912
	24″	LACHB300924	LACHB450924	LACHB600924	LACHB900924
	36″	LACHB300936	LACHB450936	LACHB600936	LACHB900936
12″	12″	LACHB301212	LACHB451212	LACHB601212	LACHB901212
	24″	LACHB301224	LACHB451224	LACHB601224	LACHB901224
	36″	LACHB301236	LACHB451236	LACHB601236	LACHB901236
18″	12″	LACHB301812	LACHB451812	LACHB601812	LACHB901812
	24″	LACHB301824	LACHB451824	LACHB601824	LACHB901824
	36″	LACHB301836	LACHB451836	LACHB601836	LACHB901836
24″	12″	LACHB302412	LACHB452412	LACHB602412	LACHB902412
	24″	LACHB302424	LACHB452424	LACHB602424	LACHB902424
	36″	LACHB302436	LACHB452436	LACHB602436	LACHB902436
30″	12″	LACHB303012	LACHB453012	LACHB603012	LACHB903012
	24″	LACHB303024	LACHB453024	LACHB603024	LACHB903024
	36″	LACHB303036	LACHB453036	LACHB603036	LACHB903036
36″	12″	LACHB303612	LACHB453612	LACHB603612	LACHB903612
	24″	LACHB303624	LACHB453624	LACHB603624	LACHB903624
	36″	LACHB303636	LACHB453636	LACHB603636	LACHB903636

*Note: *See page W-32 for cover clips and cover clamps.*

Vertical Inside Elbow Cover

Width	Radius	30 Degree	45 Degree	60 Degree	90 Degree
6″	12″	LACVI300612	LACVI450612	LACVI600612	LACVI900612
	24″	LACVI300624	LACVI450624	LACVI600624	LACVI900624
	36″	LACVI300636	LACVI450636	LACVI600636	LACVI900636
9″	12″	LACVI300912	LACVI450912	LACVI600912	LACVI900912
	24″	LACVI300924	LACVI450924	LACVI600924	LACVI900924
	36″	LACVI300936	LACVI450936	LACVI600936	LACVI900936
12″	12″	LACVI301212	LACVI451212	LACVI601212	LACVI901212
	24″	LACVI301224	LACVI451224	LACVI601224	LACVI901224
	36″	LACVI301236	LACVI451236	LACVI601236	LACVI901236
18″	12″	LACVI301812	LACVI451812	LACVI601812	LACVI901812
	24″	LACVI301824	LACVI451824	LACVI601824	LACVI901824
	36″	LACVI301836	LACVI451836	LACVI601836	LACVI901836
24″	12″	LACVI302412	LACVI452412	LACVI602412	LACVI902412
	24″	LACVI302424	LACVI452424	LACVI602424	LACVI902424
	36″	LACVI302436	LACVI452436	LACVI602436	LACVI902436
30″	12″	LACVI303012	LACVI453012	LACVI603012	LACVI903012
	24″	LACVI303024	LACVI453024	LACVI603024	LACVI903024
	36″	LACVI303036	LACVI453036	LACVI603036	LACVI903036
36″	12″	LACVI303612	LACVI453612	LACVI603612	LACVI903612
	24″	LACVI303624	LACVI453624	LACVI603624	LACVI903624
	36″	LACVI303636	LACVI453636	LACVI603636	LACVI903636

*Note: *See page W-32 for cover clips and cover clamps.*

Dimensions in Inches (mm)

Vertical Outside Elbow Fttings

- For use indoors, outdoors or in harsh environments
- Flanged Cover

Vertical Outside Elbow Cover

Rail Height	Width 1	Radius	30 Degree	45 Degree	60 Degree	90 Degree
4″	6″	12″	LACVO3040612	LACVO4540612	LACVO6040612	LACVO9040612
		24″	LACVO3040624	LACVO4540624	LACVO6040624	LACVO9040624
		36″	LACVO3040636	LACVO4540636	LACVO6040636	LACVO9040636
	9″	12″	LACVO3040912	LACVO4540912	LACVO6040912	LACVO9040912
		24″	LACVO3040924	LACVO4540924	LACVO6040924	LACVO9040924
		36″	LACVO3040936	LACVO4540936	LACVO6040936	LACVO9040936
	12″	12″	LACVO3041212	LACVO4541212	LACVO6041212	LACVO9041212
		24″	LACVO3041224	LACVO4541224	LACVO6041224	LACVO9041224
		36″	LACVO3041236	LACVO4541236	LACVO6041236	LACVO9041236
	18″	12″	LACVO3041812	LACVO4541812	LACVO6041812	LACVO9041812
		24″	LACVO3041824	LACVO4541824	LACVO6041824	LACVO9041824
		36″	LACVO3041836	LACVO4541836	LACVO6041836	LACVO9041836
	24″	12″	LACVO3042412	LACVO4542412	LACVO6042412	LACVO9042412
		24″	LACVO3042424	LACVO4542424	LACVO6042424	LACVO9042424
		36″	LACVO3042436	LACVO4542436	LACVO6042436	LACVO9042436
	30″	12″	LACVO3043012	LACVO4543012	LACVO6043012	LACVO9043012
		24″	LACVO3043024	LACVO4543024	LACVO6043024	LACVO9043024
		36″	LACVO3043036	LACVO4543036	LACVO6043036	LACVO9043036
	36″	12″	LACVO3043612	LACVO4543612	LACVO6043612	LACVO9043612
		24″	LACVO3043624	LACVO4543624	LACVO6043624	LACVO9043624
		36″	LACVO3043636	LACVO4543636	LACVO6043636	LACVO9043636
6″	6″	12″	LACVO3060612	LACVO4560612	LACVO6060612	LACVO9060612
		24″	LACVO3060624	LACVO4560624	LACVO6060624	LACVO9060624
		36″	LACVO3060636	LACVO4560636	LACVO6060636	LACVO9060636
	9″	12″	LACVO3060912	LACVO4560912	LACVO6060912	LACVO9060912
		24″	LACVO3060924	LACVO4560924	LACVO6060924	LACVO9060924
		36″	LACVO3060936	LACVO4560936	LACVO6060936	LACVO9060936
	12″	12″	LACVO3061212	LACVO4561212	LACVO6061212	LACVO9061212
		24″	LACVO3061224	LACVO4561224	LACVO6061224	LACVO9061224
		36″	LACVO3061236	LACVO4561236	LACVO6061236	LACVO9061236
	18″	12″	LACVO3061812	LACVO4561812	LACVO6061812	LACVO9061812
		24″	LACVO3061824	LACVO4561824	LACVO6061824	LACVO9061824
		36″	LACVO3061836	LACVO4561836	LACVO6061836	LACVO9061836
	24″	12″	LACVO3062412	LACVO4562412	LACVO6062412	LACVO9062412
		24″	LACVO3062424	LACVO4562424	LACVO6062424	LACVO9062424
		36″	LACVO3062436	LACVO4562436	LACVO6062436	LACVO9062436
	30″	12″	LACVO3063012	LACVO4563012	LACVO6063012	LACVO9063012
		24″	LACVO3063024	LACVO4563024	LACVO6063024	LACVO9063024
		36″	LACVO3063036	LACVO4563036	LACVO6063036	LACVO9063036
	36″	12″	LACVO3063612	LACVO4563612	LACVO6063612	LACVO9063612
		24″	LACVO3063624	LACVO4563624	LACVO6063624	LACVO9063624
		36″	LACVO3063636	LACVO4563636	LACVO6063636	LACVO9063636

*Note: *See page W-32 for cover clips and cover clamps.*

Dimensions in Inches (mm)

Accessories for Aluminum Ladder - Covers

Strandard Tee, Standard Cross, Reducing Cross and Joint Strips

- For use indoors, outdoors or in harsh environments
- Flanged Cover

Standard Tee Cover

Width 1	Width 2	Radius	Catalog
6″	6″	12″	LACT060612
		24″	LACT060624
		36″	LACT060636
9″	9″	12″	LACT090912
		24″	LACT090924
		36″	LACT090936
12″	12″	12″	LACT121212
		24″	LACT121224
		36″	LACT121236
18″	18″	12″	LACT181812
		24″	LACT181824
		36″	LACT181836
24″	24″	12″	LACT242412
		24″	LACT242424
		36″	LACT242436
30″	30″	12″	LACT303012
		24″	LACT303024
		36″	LACT303036
36″	36″	12″	LACT363612
		24″	LACT363624
		36″	LACT363636

Standard Cross Cover

Width 1	Width 2	Radius	Catalog
6″	6″	12″	LACX060612
		24″	LACX060624
		36″	LACX060636
9″	9″	12″	LACX090912
		24″	LACX090924
		36″	LACX090936
12″	12″	12″	LACX121212
		24″	LACX121224
		36″	LACX121236
18″	18″	12″	LACX181812
		24″	LACX181824
		36″	LACX181836
24″	24″	12″	LACX242412
		24″	LACX242424
		36″	LACX242436
30″	30″	12″	LACX303012
		24″	LACX303024
		36″	LACX303036
36″	36″	12″	LACX363612
		24″	LACX363624
		36″	LACX363636

Cover Joint Strip

Width	Catalog
6″	LACJ06
9″	LACJ09
12″	LACJ12
18″	LACJ18
24″	LACJ24
30″	LACJ30
36″	LACJ36

Reducing Cross Cover

Width 1	Width 2	Radius	Catalog
6″	6″	12″	LACX090612
		24″	LACX090624
		36″	LACX090636
12″	6″	12″	LACX120612
		24″	LACX120624
		36″	LACX120636
	9″	12″	LACX120912
		24″	LACX120924
		36″	LACX120936
18″	6″	12″	LACX180612
		24″	LACX180624
		36″	LACX180636
	9″	12″	LACX180912
		24″	LACX180924
		36″	LACX180936
	12″	12″	LACX181212
		24″	LACX181224
		36″	LACX181236
24″	6″	12″	LACX240612
		24″	LACX240624
		36″	LACX240636
	9″	12″	LACX240912
		24″	LACX240924
		36″	LACX240936
	12″	12″	LACX241212
		24″	LACX241224
		36″	LACX241236
	18″	12″	LACX241812
		24″	LACX241824
		36″	LACX241836

Reducing Cross Cover

Width 1	Width 2	Radius	Catalog
30″	6″	12″	LACX300612
		24″	LACX300624
		36″	LACX300636
	9″	12″	LACX300912
		24″	LACX300924
		36″	LACX300936
	12″	12″	LACX301212
		24″	LACX301224
		36″	LACX301236
	18″	12″	LACX301812
		24″	LACX301824
		36″	LACX301836
	24″	12″	LACX302412
		24″	LACX302424
		36″	LACX302436
36″	6″	12″	LACX360612
		24″	LACX360624
		36″	LACX360636
	9″	12″	LACX360912
		24″	LACX360924
		36″	LACX360936
	12″	12″	LACX361212
		24″	LACX361224
		36″	LACX361236
	18″	12″	LACX361812
		24″	LACX361824
		36″	LACX361836
	24″	12″	LACX362412
		24″	LACX362424
		36″	LACX362436
	30″	12″	LACX363012
		24″	LACX363024
		36″	LACX363036

Dimensions in Inches (mm)

*Note: *See page W-32 for Cover Clips and Cover Clamps.*

Reducing Tee, Expanding Tee

- For use indoors, outdoors or in harsh environments
- Flanged Cover

Reducing Tee Cover

Width 1	Width 2	Radius	Catalog
6″	6″	12″	LACT090612
		24″	LACT090624
		36″	LACT090636
12″	6″	12″	LACT120612
		24″	LACT120624
		36″	LACT120636
	9″	12″	LACT120912
		24″	LACT120924
		36″	LACT120936
18″	6″	12″	LACT180612
		24″	LACT180624
		36″	LACT180636
	9″	12″	LACT180912
		24″	LACT180924
		36″	LACT180936
	12″	12″	LACT181212
		24″	LACT181224
		36″	LACT181236
24″	6″	12″	LACT240612
		24″	LACT240624
		36″	LACT240636
	9″	12″	LACT240912
		24″	LACT240924
		36″	LACT240936

Width 1	Width 2	Radius	Catalog
24″	12″	12″	LACT241212
		24″	LACT241224
		36″	LACT241236
	18″	12″	LACT241812
		24″	LACT241824
		36″	LACT241836
30″	6″	12″	LACT300612
		24″	LACT300624
		36″	LACT300636
	9″	12″	LACT300912
		24″	LACT300924
		36″	LACT300936
	12″	12″	LACT301212
		24″	LACT301224
		36″	LACT301236
	18″	12″	LACT301812
		24″	LACT301824
		36″	LACT301836
	24″	12″	LACT302412
		24″	LACT302424
		36″	LACT302436

Width 1	Width 2	Radius	Catalog
36″	18″	12″	LACT360612
		24″	LACT360624
		36″	LACT360636
	6″	12″	LACT360912
		24″	LACT360924
		36″	LACT360936
	9″	12″	LACT361212
		24″	LACT361224
		36″	LACT361236
	12″	12″	LACT361812
		24″	LACT361824
		36″	LACT361836
	18″	12″	LACT362412
		24″	LACT362424
		36″	LACT362436
	24″	12″	LACT363012
		24″	LACT363024
		36″	LACT363036

Expanding Tee Cover

Width 1	Width 2	Radius	Catalog
6″	6″	12″	LACT090612
		24″	LACT090624
		36″	LACT090636
12″	6″	12″	LACT120612
		24″	LACT120624
		36″	LACT120636
	9″	12″	LACT120912
		24″	LACT120924
		36″	LACT120936
18″	6″	12″	LACT180612
		24″	LACT180624
		36″	LACT180636
	9″	12″	LACT180912
		24″	LACT180924
		36″	LACT180936
	12″	12″	LACT181212
		24″	LACT181224
		36″	LACT181236
24″	6″	12″	LACT240612
		24″	LACT240624
		36″	LACT240636
	9″	12″	LACT240912
		24″	LACT240924
		36″	LACT240936

Width 1	Width 2	Radius	Catalog
24″	12″	12″	LACT241212
		24″	LACT241224
		36″	LACT241236
	18″	12″	LACT241812
		24″	LACT241824
		36″	LACT241836
30″	6″	12″	LACT300612
		24″	LACT300624
		36″	LACT300636
	9″	12″	LACT300912
		24″	LACT300924
		36″	LACT300936
	12″	12″	LACT301212
		24″	LACT301224
		36″	LACT301236
	18″	12″	LACT301812
		24″	LACT301824
		36″	LACT301836
	24″	12″	LACT302412
		24″	LACT302424
		36″	LACT302436

Width 1	Width 2	Radius	Catalog
36″	18″	12″	LACT360612
		24″	LACT360624
		36″	LACT360636
	6″	12″	LACT360912
		24″	LACT360924
		36″	LACT360936
	9″	12″	LACT361212
		24″	LACT361224
		36″	LACT361236
	12″	12″	LACT361812
		24″	LACT361824
		36″	LACT361836
	18″	12″	LACT362412
		24″	LACT362424
		36″	LACT362436
	24″	12″	LACT363012
		24″	LACT363024
		36″	LACT363036

*Note: *See page W-32 for cover clips and cover clamps.*

Dimensions in Inches (mm)

Accessories for Aluminum Ladder - Covers

Reducers, Cover Clips and Cover Clamps

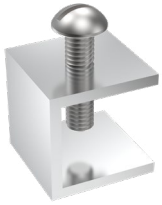
- For use indoors, outdoors or in harsh environments
- Flanged Cover

Reducer Cover

Width 1	Width 2	Center	Left	Right
9″	6″	LACRC0906	LACRL0906	LACRR0906
12″	6″	LACRC1206	LACRL1206	LACRR1206
	9″	LACRC1209	LACRL1209	LACRR1209
18″	6″	LACRC1806	LACRL1806	LACRR1806
	9″	LACRC1809	LACRL1809	LACRR1809
	12″	LACRC1812	LACRL1812	LACRR1812
24″	6″	LACRC2406	LACRL2406	LACRR2406
	9″	LACRC2409	LACRL2409	LACRR2409
	12″	LACRC2412	LACRL2412	LACRR2412
	18″	LACRC2418	LACRL2418	LACRR2418
30″	6″	LACRC3006	LACRL3006	LACRR3006
	9″	LACRC3009	LACRL3009	LACRR3009
	12″	LACRC3012	LACRL3012	LACRR3012
	18″	LACRC3018	LACRL3018	LACRR3018
	24″	LACRC3024	LACRL3024	LACRR3024
36″	6″	LACRC3606	LACRL3606	LACRR3606
	9″	LACRC3609	LACRL3609	LACRR3609
	12″	LACRC3612	LACRL3612	LACRR3612
	18″	LACRC3618	LACRL3618	LACRR3618
	24″	LACRC3624	LACRL3624	LACRR3624
	30″	LACRC3630	LACRL3630	LACRR3630

Cover Clip

Description	Catalog Number
Stainless Steel. For use with horizontally mounted covers.	LACL



Cover Clamp

Description	Width	Catalog Number
Aluminum with Stainless Steel hardware. Suitable for use with all flat covers.	6″	LACC0406
	9″	LACC0409
	12″	LACC0412
	18″	LACC0418
	24″	LACC0424
	30″	LACC0430
	36″	LACC0436
	6″	LACC0606
	9″	LACC0609
	12″	LACC0612
	18″	LACC0618
	24″	LACC0624
	30″	LACC0630
	36″	LACC0636



Number of Cover Fasteners Required	Cover Clip	Cover Clamp
Straight 12′ section.	6	3
Horizontal/Vertical Bends.	4	2
Tees.	6	3
Crosses.	8	4

Dimensions in Inches (mm)

Accessories for Aluminum Ladder - Supports

- For use indoors, outdoors or in harsh environments
- Center Supports and Wall Brackets are Steel with a Hot Dip Galvanized finish
- Ceiling Supports are Steel with a Mill Galvanized Finish
- Support Hardware Kits are Steel with a Zinc Plated finish

Center Support

Tray Width	Actual Width	Catalog
6″	12″	**LSC06**
9″	15″	**LSC09**
12″	18″	**LSC12**
18″	24″	**LSC18**
24″	30″	**LSC24**
30″	36″	**LSC30**
36″	42″	**LSC36**

Hardware Kit for Center Support

	Catalog
For 3/8″ threaded rod.	**LHT38**
For 1/2″ threaded rod.	**LHT12**
Kits includes (2) hold down clamps; (2) bolts; (2) spring nuts; (1) washer; (2) nuts.	



Ceiling Support

Tray Width	Actual Width	Catalog
6″	18″	**LSE06**
9″	22″	**LSE09**
12″	24″	**LSE12**
18″	30″	**LSE18**
24″	36″	**LSE24**

Hardware Kit for Ceiling Support

	Catalog
For 3/8″ threaded rod.	**LHC38**
For 1/2″ threaded rod.	**LHC12**
Kit includes (2) hold down clamps; (2) bolts; (2) spring nuts; (4) washers; (4) nuts.	



Wall Bracket

Tray Width	Actual Width	Catalog
6″	12″	**LSW06**
9″	15″	**LSW09**
12″	18″	**LSW12**
18″	24″	**LSW18**

Hardware Kit for Wall Bracket

	Catalog
Kit includes (2) hold down clamps (2) bolts; (2) spring nuts.	**LHWB**



Heavy Duty Wall Bracket

Tray Width	Actual Width	Catalog
6″	12″	**LSH06**
9″	15″	**LSH09**
12″	18″	**LSH12**
18″	24″	**LSH18**
24″	30″	**LSH24**
30″	36″	**LSH30**
36″	42″	**LSH42**

Hardware Kit for HD Wall Bracket

	Catalog
Kit includes (2) hold down clamps (2) bolts; (2) spring nuts.	**LHWB**



Hanger Support

Rail Height	Horizontal Hanger	Vertrical Hanger	Hanger Rod Clamp
4″	**LSG4**	**LSV4**	**LHC4**
6″	**LSG6**	**LSV6**	**LHC6**







Note: The LSG and LSV hangers function as both a splice plate and a method of support. The LSG and LSV hangers are sold as a pair. The LHC hangers are sold individual.

Dimensions in Inches (mm)

Accessories for Aluminum Ladder

Splice Plates

Description	Rail Height	Catalog Number
For joining sections.	4"	LCN4
	6"	LCN6



Expansion Splice Plates

Description	Rail Height	Catalog Number
When required. Bonding jumper required.	4"	LCE4
	6"	LCE6



Step-Down Splice Plate

Description	Catalog Number
Transition from 6" to 4" rail height.	LCR64



Vertrical Adjustment Splice Plates

Description	Rail Height	Catalog Number
For changes in vertrical direction not requiring a radius.	4"	LCV4A
	6"	LCV6A



Horizontal Adjustment Splice Plates

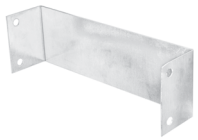
Description	Rail Height	Catalog Number
For changes in horizontal direction not requiring a radius.	4"	LCH4
	6"	LCH6



Blank End Plate

To close off end of tray.

Rail Height	Width	Catalog
4"	6"	LBP406
	9"	LBP409
	12"	LBP412
	18"	LBP418
	24"	LBP424
	30"	LBP430
	36"	LBP436
6"	6"	LBP606
	9"	LBP609
	12"	LBP612
	18"	LBP618
	24"	LBP624
	30"	LBP630
	36"	LBP636



Box Connector

For attaching tray end to an enclosure.

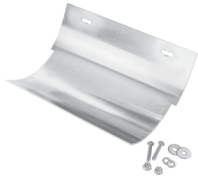
Rail Height	Width	Catalog
4"	6"	LBC406
	9"	LBC409
	12"	LBC412
	18"	LBC418
	24"	LBC424
	30"	LBC430
	36"	LBC436
6"	6"	LBC606
	9"	LBC609
	12"	LBC612
	18"	LBC618
	24"	LBC624
	30"	LBC630
	36"	LBC636



Cable Drop Out

Provides a radius for cables to exit through bottom of the tray.

Width	Catalog
6"	LCD06
9"	LCD09
12"	LCD12
18"	LCD18
24"	LCD24
30"	LCD30
36"	LCD36



Wall Sleeve

Used for wall penetrations*.

Rail Height	Width	Catalog
4"	6"	LWS406
	9"	LWS409
	12"	LWS412
	18"	LWS418
	24"	LWS424
	30"	LWS430
	36"	LWS436
6"	6"	LWS606
	9"	LWS609
	12"	LWS612
	18"	LWS618
	24"	LWS624
	30"	LWS630
	36"	LWS636

*Note: *Not fire rated.*



Hold Down Clamp

Description	Catalog Number
Functions as both a hold down clamp and expansion guide.	LHDC



Bonding Jumper

Required with Expansion Connectors.

Description	Catalog Number
#1 AWG, 600A rated.	LGJ16
16" total length. Eyes are 15" on center.	



Ground Wire Clamp

Description	Catalog Number
No drilling required. Accepts #6 thru 2/0.	LGWAL



Dimensions in Inches (mm)

Span/Load Class Designations

Commonly called the Load Class, this defines the load-carrying capability of the tray for a specific support span distance. The design and cost of the cable tray is greatly affected by this designation. In order to determine the most appropriate and economical system, a class should be selected that reflects the actual total working load and support span for each application.

Concentrated Static Loads:

Some applications may require the cable tray to support the weight of a single, dead object in addition to the cable loads. Specifications typically require this to be applied at the midpoint of the span between the tray supports, which is the worst-case location.

To incorporate this in the tray design the following formula can be used to convert the concentrated static load in pounds to an equivalent uniform load (W) in pounds per foot. That equivalent load can then be combined with the weight of cables, tray contents, and other loads that are also expressed in lbs/ft to determine the total Working Load.

$$W_e = \frac{2 \times (\text{Concentrated static load, lbs})}{\text{support span lenth, ft}}$$

Note: This calculation is based on the load being applied at the center of the tray in the middle of a rung or bottom. If the specification requires the concentrated static load to be applied on top of one side rail, then the equivalent uniform load will be 2 times the result of this calculation.

Example: A cable tray is to be supported on 20′ spans. It shall contain 50 lbs/ft of cables and support 15 lbs/ft of snow load. It is also required to support a 250 pound concentrated static load applied in the center of the tray width.

Using the calculation above, the concentrated static load is converted to an equivalent uniform load as follows: 2 x 250 lbs / 20 ft = 25 lbs/ft

The Total Working Load will be the combination of all 3 loads, expressed in lbs/ft:

Cables	40 lbs
Snow	+ 15 lbs/ft
Concentrated Load	+25 lbs/ft
Total Working Load: 80lbs/ft	

Refer to the chart on the right. With a support span of 20′ and a total working load of 80 lbs/ft, a NEMA Class 20B tray rated at 75 lbs/ft will not be adequate. A NEMA Class 20C tray, rated at 100 lbs/ft, will be required.

Span/Load Class Designations Per NEMA Standard VE1/CSA C22.2 No.126

Working Load LBS/FT (Kg/M)	Support Span, Feet (Meters)					
	5 Ft (1.5 M)	8 Ft (2.4 M)	10 Ft (3.0 M)	12 Ft (3.6 M)	16 Ft (4.9 M)	20 Ft (6.0 M)
25 (37)	5AA	8AA	10AA	12AA		20AA
45 (67)						D
50 (74)	5A	8A		12A	16A	20A
65 (97)			C			
75 (112)		8B		12B	16B	E* or 20B
100 (149)		8C		12C	16C	20C
120 (179)			D			
200 (299)			E			

** CSA Classes D and E are applicable to both 3.0 and 6.0 meter support spans. The appropriate support span should also be included when specifying these classes (example: D-3M).*

Working Load

The total load supported by the cable tray, uniformly distributed. This will be the combined weight of all of the cables or tray contents, any environmental loads (snow, ice, dust) and any concentrated static loads.

Support Span

The maximum distance between the tray supports.

NEMA Load Classes

A number (support span in feet) combined with a letter (load capacity:A=50, B=75 and C=100 Lbs/Ft). Defined in the National Electrical ManufacturersAssoc. NEMAStandard VE1.

CSA Load Classes

A single letter (A,B,C,D,E) designates the support span and load capacity per Canadian Standards Association CSAStandard C22.2, No. 126.

Material: All fittings are aluminum with arc-welded construction.

Side Rails: Fitting side rails are I-beams with overall dimensions similar to straight tray sections.

Rungs and Bottoms: Rung and Bottom designs are identical to similar straight cable tray sections.

Tangents: All fittings have 3″ tangents (flats) at the end of all curved side rails to accommodate splice plate connectors.

Radius: Standard NEMA VE1 12″, 24″ and 36″ available for all curved fittings.

Square Corners: 90 Degree Horizontal Elbows, Horizontal Tees and Horizontal Crosses are available with square corners (0″ Radius). The 6″ through 18″ square-corner fittings are designed to align with the centerline of 24″ square panels of raised-floor systems

Splice Plates: All elbows are supplied with one pair of standard splice plates with hardware at no charge. Wye fittings and tees include 2 pairs and crosses include 3 pairs with hardware at no charge.

CLASSIFIED C UL US

All Hubbell aluminum cable trays are classified by Underwriters Laboratories as suitable for use as equipment grounding conductors per NEC 392 and are certified by UL to meet all requirements of CSA Std. C22.2 No. 126. All NEMA and CSA safe load data is based on destruction load tests that were witnessed and certified to be accurate by Underwriters Laboratories.

Dimensions in Inches (mm)

STEEL LADDER RACK

Straight Sections, Radius and Flat Turns

Hubbell's NEXTFRAME® Ladder Rack is the effective and widely used cable runway that supports and delivers bundles of cable between cabinets, racks, and closets, along walls, and suspended from ceilings.

The steel ladder rack features light, rugged, tubular steel construction. It is designed for mechanical support and strain relief in long runs of cable and creates a smooth gradual bend for cable. Rail and stringer material is 16 ga. steel tubing.

The NEXTFRAME Ladder Rack is available in popular gray and black finishes to complement equipment in any data center. The complete NEXTFRAME Ladder Rack system features a broad line of sizes and fittings required for proper installation.



Features

- Supports horizontal/vertical and overhead cable management
- Durable black or gray powder coat finish
- Supports UTP or fiber cabling
- Complete family of accessories includes: wall supports and brackets, cable drops, retaining posts, splice kits, and ceiling mounting kits

Specifications

- Material: 16 ga. tubular steel
- Durable powder coat
- Stringer dimensions: 0.375"W x 1.5"H
- Rung spacing: 9.0"
- Weight capacity: 45 lbs./foot

Applications

Use in data centers, the equipment room, and telecommunications room to provide racking, cable management, and grounding for network hardware.

- Modular System: Easily configured for new and existing cable routing.
- Mounts to: Floors, walls, ceilings, equipment racks, and cabinets
- Tip: Secure ladder to cabinet tops using j-bolt kit and drilling holes as required

Straight Sections

Width Inches (mm)	6′ (1829) Length		10′ (3048) Length	
	Gray	Black	Gray	Black
6" (152)	HLS0606G	HLS0606B	HLS1006G	HLS1006B
12" (305)	HLS0612G	HLS0612B	HLS1012G	HLS1012B
18" (457)	HLS0618G	HLS0618B	HLS1018G	HLS1018B
24" (610)	HLS0624G	HLS0624B	HLS1024G	HLS1024B

Note: Width = outside to outside dimensions.

90° Turns

Width Inches (mm)	Inside Radius 90°		Outside Radius 90°	
	Gray	Black	Gray	Black
6" (152)	HLI0690G	HLI0690B	HLO0690G	HLO0690B
12" (305)	HLI1290G	HLI1290B	HLO1290G	HLO1290B
18" (457)	HLI1890G	HLI1890B	HLO1890G	HLO1890B
24" (610)	HLI2490G	HLI2490B	HLO2490G	HLO2490B

Width Inches (mm)	Flat Turns 90°		Corner Support Bracket Internal Radius 90°, 8.25" (210) Width	
	Gray	Black	Gray	Black
6" (152)	HLF0690G	HLF0690B	—	HLCB
12" (305)	HLF1290G	HLF1290B		
18" (457)	HLF1890G	HLF1890B		
24" (610)	HLF2490G	HLF2490B		



Jumper Kit

Type	Contents	Material	Catalog No.
Ladder Tray	Includes: (1) 9" #6 conductor with long barrel lugs crimped on both ends, stainless steel hardware, labeled, antioxidant.	Copper	HGRKTD9D



Dimensions in Inches (mm)

Splice Kits

		
Butt Splice Kit.	Swivel Splice Kit.	T-Junction Splice Kit.
HLBSK	**HLSSK**	**HLTK**

Ceiling Mounting Kit

Description	Black	
Ceiling mounting kit with two 6′ x 0.625Ø threaded rods.	**HLCMK**	
Brackets only.	**HLCF**	

Vertical Wall Bracket

Description	Black	
2 clips.	**HLVWBK**	

J-Bolt Kit

Description	Catalog Number	
2-pack, galvanized.	**HLJB**	

Foot Kit

Description	Black	
2-pack with splices.	**HLRF**	

Triangle Wall Supports

Width Inches (mm)	Gray	Black	
6″ (152)	**HLTSB06G**	**HLTSB06B**	
12″ (305)	**HLTSB12G**	**HLTSB12B**	
18″ (457)	**HLTSB18G**	**HLTSB18B**	
24″ (610)	**HLTSB24G**	**HLTSB24B**	

Cable Retaining Fence Posts

Nominal Height Inches (mm)	Gray	Black	
6″ (152)	**HLP06G**	**HLP06B**	
8″ (203)	**HLP08G**	**HLP08B**	
10″ (254)	**HLP10G**	**HLP10B**	

Wall Angle Supports

Width Inches (mm)	Gray	Black	
6-12″ (152-305)	**HLX0612G**	**HLX0612**	
18″ (457)	**HLX1518G**	**HLX1518**	
24″ (610)	**HLX24G**	**HLX24**	

Wall/Rack Mounting Kit

Description	Black	
Includes (1) HLMPK19, (1) HLX0612, (1) 40″L x 12″W ladder section.	**HLWRK**	

Protective End Caps

Description	Black	
2-pack.	**HLECPK2**	

Ladder Standoff Support

Description	Gray	Black	
14″ vertical support.	**HLH14G**	**HLH14B**	

Mounting Kit to Relay Rack

Description	Black	
3″ rack.	**HLMPK19**	
6″ rack.	**HLMPK19D**	

Cable Radius Drop

Ladder Width Inches (mm)	Actual Width Inches (mm)	Black	
6″ (152)	4.5″ (114)	**HLCD06***	
12″ (305)	10.75″ (273)	**HLCD12**	
18″ (457)	16.75″ (425)	**HLCD18**	
Stringer	7.5″ (191)	**HLCDS**	

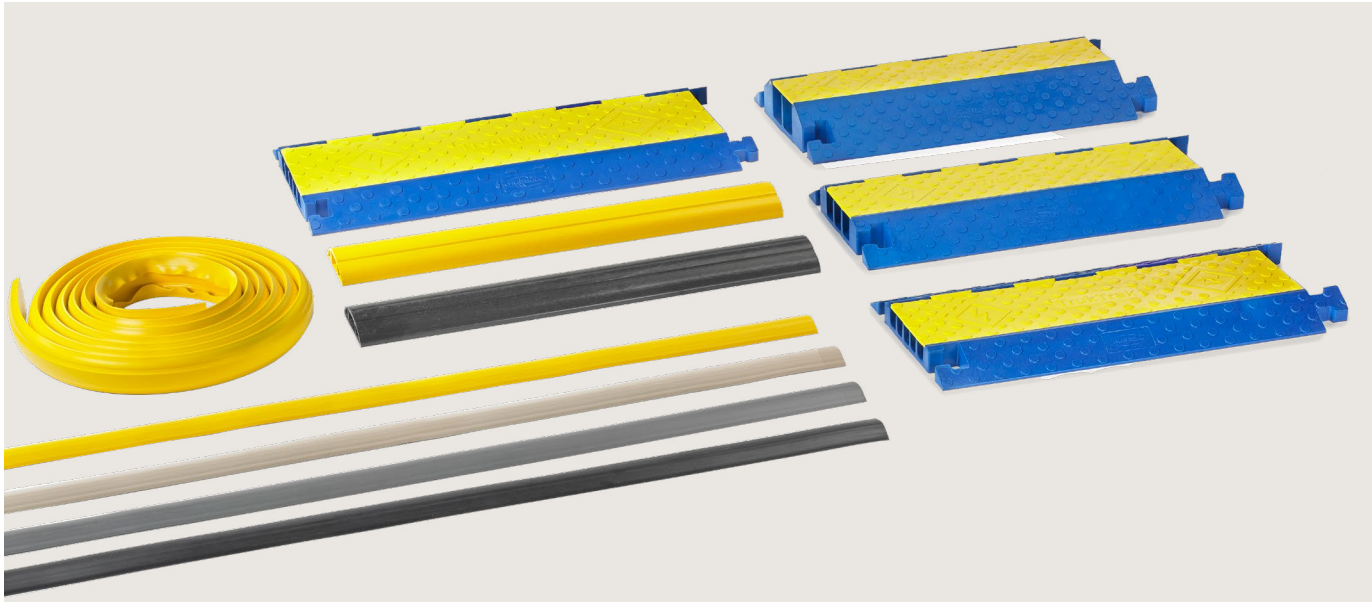
*Note: *Can also be mounted on stringer*

Elevation Kit

Height Inches (mm)	Black	
2–3″ (51–76)	**HLEK23**	
4–6″ (102–152)	**HLEK46**	

Dimensions in Inches (mm)

Notes

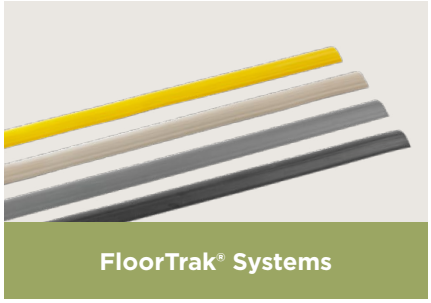




TrukTrak® Systems



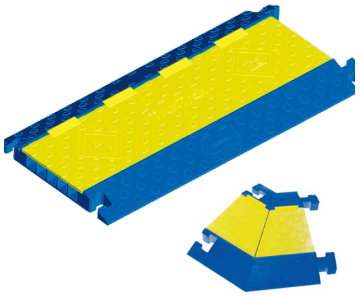
TredTrak® Systems



FloorTrak® Systems

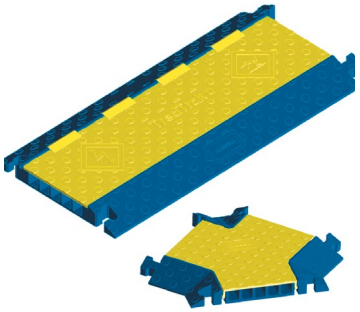
Products at a Glance X-2
Features and Benefits X-3
TrukTrak Systems X-4
TredTrak Systems X-5
FloorTrak Floor Cable Cover X-6

Products at a Glance



TrukTrak® Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



TredTrak® Systems

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



FloorTrak® Floor Cable Cover

- Flexible and rigid PVC material
- Protects and reduces trip hazards
- Available in four different sizes and five PVC colors to blend with the various decors
- Withstands temperatures of 0°F to +120°F (-18°C to +49°C)



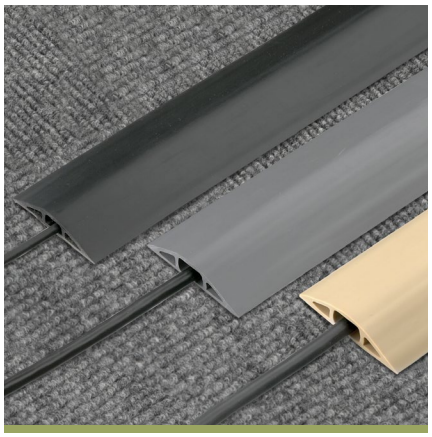
TrukTrak®

Hubbell TrukTrak non-metallic cable protectors are designed to safeguard electrical cables and cords from vehicle and pedestrian traffic. The TrukTrak interlocking system comes in two, three and five channel sizes and will protect cables up to 3.25 inches (82.6mm) in diameter. It is ideal for the industrial environment where it is necessary to support heavy trucks and fork lifts.



TredTrak®

TredTrak non-metallic cable protectors can also be interlocked to protect cables and cords of any length. The TredTrak system is a five channel modular cable protection system that will protect cable diameters up to 1.28 inches (32.5mm). It is designed to support pedestrian and light vehicle traffic in public, institutional and commercial applications. The Hubbell modular cable protection line also permits compliance with NEC® requirements (Article 525) for insulating electrical cables and cord at carnivals, amusement parks, convention centers and similar public areas.



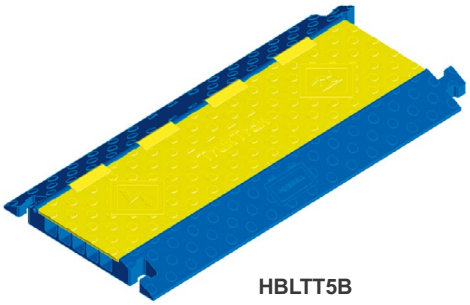
FloorTrak®

FloorTrak is a flexible, non-metallic cover for cables that run over the floor when portable cords and cables cannot be concealed or routed away from traffic patterns. FloorTrak protects, organizes and reduces trip hazards. Four different sizes mean it will handle cables of up to 1.25 inches (31.8mm) in diameter. FT2, FT3 and FT4 are available in five PVC colors to blend with the various decors. FT10 is available in black and yellow colors only. The F10 Heavy Duty FloorTrak is ideal for applications such as industrial work areas, food processing plants and abusive areas where cable management is necessary.

NEC® is a registered trademark of the The National Electrical Code.

Ideal for Heavy Vehicle Traffic in Industrial, Commercial or Public Applications

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



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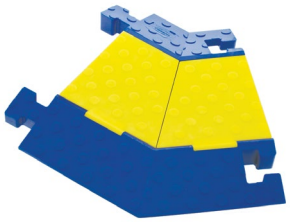

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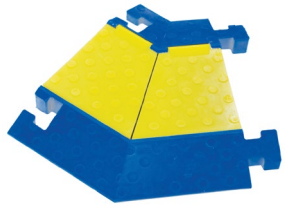
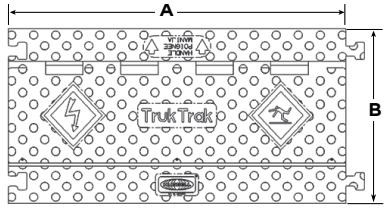


HBLTT545LB

TrukTrak Systems		A	B	C	D	E		
		Trak			Channel			
Description		Length in. (mm)	Width in. (mm)	Height in. (mm)	Width in. (mm)	Height in. (mm)	Weight lbs. (kg)	Catalog Number
5 Channel TrukTrak, blue and yellow.		36.0″ (914)	20″ (508)	2.31″ (58.7)	1.25″ (31.8)	1.25″ (31.8)	30.60 (13.9)	HBLTT5B
5 Channel TrukTrak end caps (pair only), yellow.	(Female end) (Male end).	7.50″ (190) 5.25″ (133)	20″ (508) 20″ (508)	2.31″ (58.7) 2.31″ (58.7)	1.25″ (31.8) 1.25″ (31.8)	1.25″ (31.8) 1.25″ (31.8)	8.55 (3.9) 8.55 (3.9)	HBLTT5ECB
5 Channel 45° right turn TrukTrak, blue and yellow.		25.0″ (635)	20″ (508)	2.31″ (58.7)	1.25″ (31.8)	1.25″ (31.8)	15.35 (7.0)	HBLTT545RB
5 Channel 45° left turn TrukTrak, blue and yellow.		25.0″ (635)	20″ (508)	2.31″ (58.7)	1.25″ (31.8)	1.25″ (31.8)	14.45 (6.6)	HBLTT545LB
3 Channel TrukTrak, blue and yellow.		36.0″ (914)	20″ (508)	3.05″ (77.5)	2.25″ (57.2)	2.25″ (57.2)	30.85 (14.0)	HBLTT3B
3 Channel TrukTrak end caps (pair only), yellow.	(Female end) (Male end).	8.25″ (209) 6.38″ (162)	20″ (508) 20″ (508)	3.05″ (77.5) 3.05″ (77.5)	2.25″ (57.2) 2.25″ (57.2)	2.25″ (57.2) 2.25″ (57.2)	10.25 (4.6) 10.25 (4.6)	HBLTT3ECB
2 Channel TrukTrak, blue and yellow.		36.0″ (914)	22″ (559)	4.13″ (104.9)	3.25″ (82.6)	3.25″ (82.6)	41.00 (18.6)	HBLTT2B

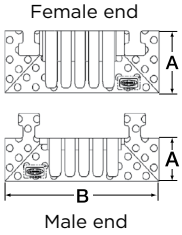
TrukTrak (Top view)



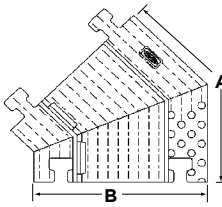
TrukTrak (Side view)



End Caps

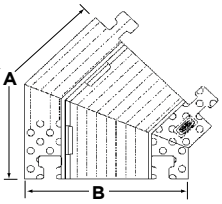


45° Left Turn



45° Left turn

45° Right Turn



45° Right turn

Specifications

Material	Polyurethane
Operating Temperature	-40°F to +120°F (-40°C to +49°C)
Hinge Material	Reinforced fiberglass
Safety Symbols	Per ANSI Z535.3

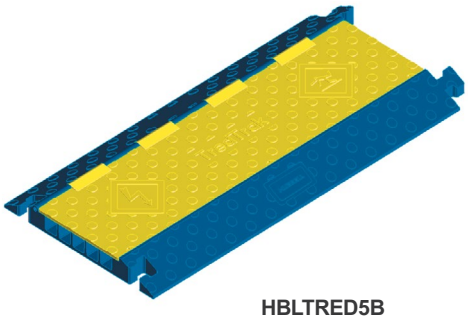
Load Capacity

No. of Channels	Test Fixture Footprint Inches (mm)	Tire Load lbs. +/- 20%		Axle Load lbs. +/- 20%	
		70°F (21°C)	120°F (49°C)	70°F (21°C)	120°F (49°C)
5	6.9″ x 17.3″ (175 X 439)	20,150	9,200	40,300	18,400
3	6.9″ x 17.3″ (175 X 439)	14,210	4,653	28,420	9,306
2	6.9″ x 17.3″ (175 X 439)	10,880	2,095	21,760	4,190

Dimensions in Inches (mm)

Improves Pedestrian Safety by Decreasing Risk of Tripping

- High density polyurethane construction supports heavy loads and is weather resistant
- Modular interlocking design for easy installation, breakdown and storage
- Safety surface pattern reduces slipping and skidding
- High visibility safety blue and yellow colors



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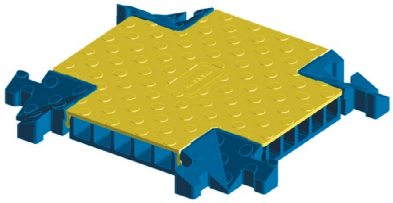


HBLTRED5XB

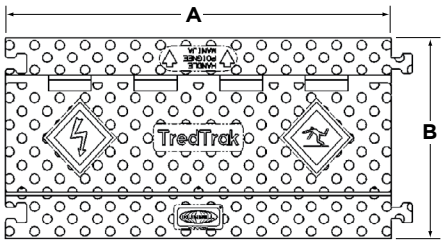


HBLTRED5YB

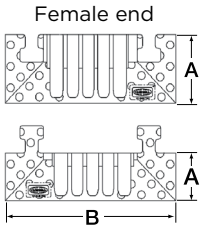
TredTrak Systems A B C D E

Description		Trak Length in. (mm)	Trak Width in. (mm)	Trak Height in. (mm)	Channel Width in. (mm)	Channel Height in. (mm)	Channel Weight lbs. (kg)	Catalog Number
5 Channel TredTrak, blue and yellow.		36.0" (914)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	21.15 (9.6)	HBLTRED5B
5 Channel TredTrak end caps (pair only), yellow.	(Female end) (Male end).	5.75" (146) 5.75" (146)	17.5" (445) 17.5" (445)	1.95" (50) 1.95" (50)	1.30" (33) 1.30" (33)	1.30" (33) 1.30" (33)	6.40 (2.9) 6.40 (2.9)	HBLTRED5ECB
5 Channel TredTrak female end caps (2 females), yellow.		5.75" (146)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	6.40 (2.9)	HBLTRED5ECFB
5 Channel "X" fitting, blue and yellow.		17.5" (445)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	14.25 (6.5)	HBLTRED5XB
5 Channel "Y" fitting, blue and yellow.		17.5" (445)	17.5" (445)	1.95" (50)	1.30" (33)	1.30" (33)	13.95 (6.3)	HBLTRED5YB

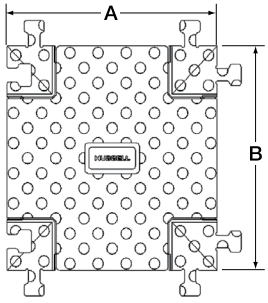
TredTrak (Top view)



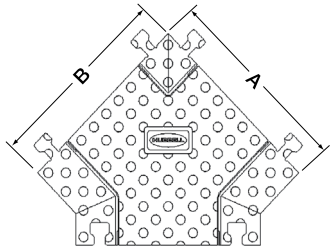
End Caps



"X" Fitting



"Y" Fitting



TredTrak (Side view)



Specifications

Material	Polyurethane
Operating Temperature	-40°F to +120°F (-40°C to +49°C)
Hinge Material	Reinforced fiberglass
Safety Symbols	Per ANSI Z535.3

Load Capacity

Product	Test Fixture Footprint Inches (mm)	Tire Load lbs. +/- 20% 70°F (21°C)	Tire Load lbs. +/- 20% 120°F (49°C)	Axle Load lbs. +/- 20% 70°F (21°C)	Axle Load lbs. +/- 20% 120°F (49°C)
TredTrak	6.9" x 17.3" (175 X 439)	10,500	6,500	21,000	13,000
"X" Fitting	6.9" x 17.3" (175 X 439)	2,900	2,300	5,800	5,600
"Y" Fitting	6.9" x 17.3" (175 X 439)	2,900	2,300	5,800	5,600

Dimensions in Inches (mm)

FloorTrak® Floor Cable Cover

For Pedestrian Traffic in Office and Public Areas

- Flexible and rigid PVC material
- Protects and reduces trip hazards
- Available in four different sizes and five PVC colors to blend with the various decors
- Withstands temperatures of 0°F to +120°F (-18°C to +49°C)



FloorTrak 2*

Color	Length		Catalog Number
	Feet	(meters)	
Black	10.0′	(3.05)	FT2BK10
Brown	10.0′	(3.05)	FT2BR10
Beige	10.0′	(3.05)	FT2BG10
Gray	10.0′	(3.05)	FT2GY10
Yellow	10.0′	(3.05)	FT2Y10



FloorTrak 3*

Color	Length		Catalog Number
	Feet	(meters)	
Black	5.0′	(1.52)	FT3BK5
Black	25.0′	(7.62)	FT3BK25
Brown	5.0′	(1.52)	FT3BR5
Brown	25.0′	(7.62)	FT3BR25
Beige	5.0′	(1.52)	FT3BG5
Beige	25.0′	(7.62)	FT3BG25
Gray	5.0′	(1.52)	FT3GY5
Gray	25.0′	(7.62)	FT3GY25
Yellow	5.0′	(1.52)	FT3Y5
Yellow	25.0′	(7.62)	FT3Y25



FloorTrak 4

Color	Length		Catalog Number
	Feet	(meters)	
Black	5.0′	(1.52)	FT4BK5
Black	25.0′	(7.62)	FT4BK25
Gray	25.0′	(7.62)	FT4GY25
Yellow	5.0′	(1.52)	FT4Y5
Yellow	25.0′	(7.62)	FT4Y25



FloorTrak 10 (Heavy Duty)

Color	Length		Catalog Number
	Feet	(meters)	
Black	3.0′	(.914)	FT10BK3
Black	5.0′	(1.52)	FT10BK5
Yellow	3.0′	(.914)	FT10Y3
Yellow	5.0′	(1.52)	FT10Y5



Accessories

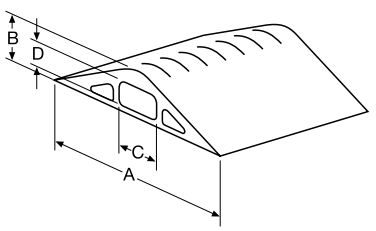
Description	Catalog Number
1″ Wide, 75′ Roll Double-Sided Adhesive Tape.	FTT1
2″ Wide, 75′ Roll Double-Sided Adhesive Tape.	FTT2



*Note: *ADA Compliant Section 4.5.2.*

Dimensions

FloorTrak	FT2 in. (mm)	FT3 in. (mm)	FT4 in. (mm)	FT10 (Heavy Duty) in. (mm)
Width (A)	2.75″ (69.9)	3.00″ (76.2)	3.25″ (82.6)	5.6″ (142.24)
Height (B)	.53″ (13.5)	.75″ (19.1)	1.10″ (27.9)	1.7″ (43.18)
Center Hole (CxD)	.60″ x .31″ (15.2) x (7.9)	.75″ x .50″ (19.1) x (12.7)	1.21″ x .75″ (30.7) x (19.1)	1.81″ x 1.25″ (45.98 x 31.75)



Specifications

Material	Rigid PVC
Operating Temperature	0°F to +120°F (-18°C to +49°C)

Dimensions in Inches (mm)

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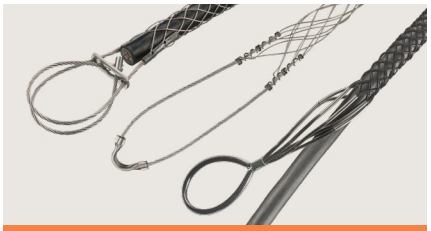
Pulling Grips



Support Grips



Cord Connectors

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Products at a Glance



Pulling Grips

- The galvanized steel mesh grip provides strength for secure pulling jobs
- Endless weave allows easy installation onto cable
- Flexible or rotating eyes will mate easily with line stringing swivels for attachment to pulling lines; they have great strength for trouble free pulling jobs
- Shoulder protectors contain the cable inside the grip



Strain Relief Grips

- Stainless steel mesh is corrosion resistant; can be used inside or outside
- Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life
- A liquidtight fitting is available with both cable and conduit fittings; prevents liquids from running through the fitting into the enclosure



Support Grips

- Solid eye assemblies provide eye reinforcement at support hardware
- Four eye styles available: single, double, universal and offset
- Identification tag shows: catalog number, diameter range, agency approval and bar code
- Available in tin coated bronze, stainless steel and non-metallic aramid fiber



Cord Connectors

- Machined threads provide a strong positive seal; the tapered interior dome easily drives the bushing into the connector body
- Patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief
- Lubricated neoprene bushing compresses easily for a liquidtight seal and added pull-out protection



Fiber Optic Cable Grips

- Pulling Grips are used for outside plant cable; they are easy to install and remove, reusable and have a slim profile for small build up
- OPTISOK® Grip is a revolutionary tool to pull pre-terminated fiber optic cables; this will protect the connectors and guide the bundle through the pulling environment
- Will support the cable's weight as it hangs in vertical, sloping or horizontal position

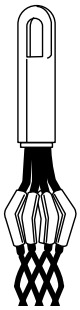


PolyTuff® Non-Metallic Liquidtight

- Nylon compression nut has a tapered dome to tighten ferrule onto conduit
- Tapered, machined threads fasten securely and provide additional liquidtight sealing
- Non-integral, reusable steel, ferrule is easily installed, to seal conduit
- PVC tubing handles twists, turns, bends, switchbacks and straightaways with ease
- UL Listed/recognized and CSA certified

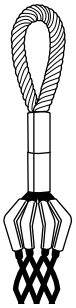
Quick Reference Selection Guide for Grip Applications

Pulling Grips



Heavy-Duty Rotating Eye

For underground wiring and overhead heavy duty pulling of service lines and new construction cable. See pages Y-8 and Y-9.



Heavy-Duty Flexible Eye

For overhead transmission and distribution line stringing. See pages Y-7, Y-8, and Y-10.



Slack Grips

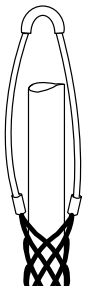
For removing underground cable and pulling slack in existing cable and new installations and when end of cable is not available.
See page Y-12.



Light-Duty Flexible Eye

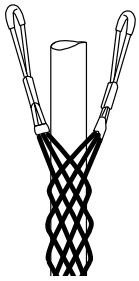
For light industrial pulling of electrical cable and for underground and industrial plant wiring and re-wiring.
See page Y-13.

Support Grips



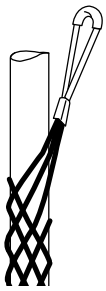
Single Eye

For single hook attachment of permanent indoor/outdoor cable. Available on heavy duty, standard duty, and service drop grips. See pages Y-20, Y-24, and Y-26.



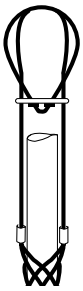
Double Eye

For double hook attachment of permanent indoor/ outdoor cable.
Available on heavy duty and standard duty grips. See pages Y-21 and Y-25.



Single Offset Eye

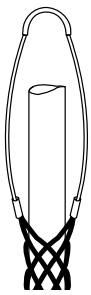
For offset hook attachment of permanent indoor/ outdoor cable. Available on standard duty and light duty support grips. See page Y-22.



Universal Eye

Used to fasten around a structure or closed loop. Available on standard duty support and light or heavy duty service drop grips. See pages Y-23 and Y-27.

Support Grips



Wide Range Bus Drop

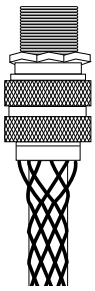
Used indoors for cable support where flexible cable connects electrical equipment to bus duct. Support air hose and water hose. See page Y-28.

Strain Relief Grips



Dust-Tight Strain Relief

Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems.
See page Y-54.



Deluxe Cord

Indoor or outdoor use where subject to moisture, splash, or washdown. Examples are enclosures, crane hoist and pendant drop stations, hand tools, pumps, and processing equipment. Available in straight, 90°, or 45° configurations. See pages Y-49 to Y-53.



Liquid-Tight, Flexible Metal Conduit

Wiring of machine tools, electrical enclosures, motors, and systems subjected to vibration, flexure, motion, or strain. Available in straight, 90°, or 45° configurations. See pages Y-57 to Y-59.

Other Specialty Grips

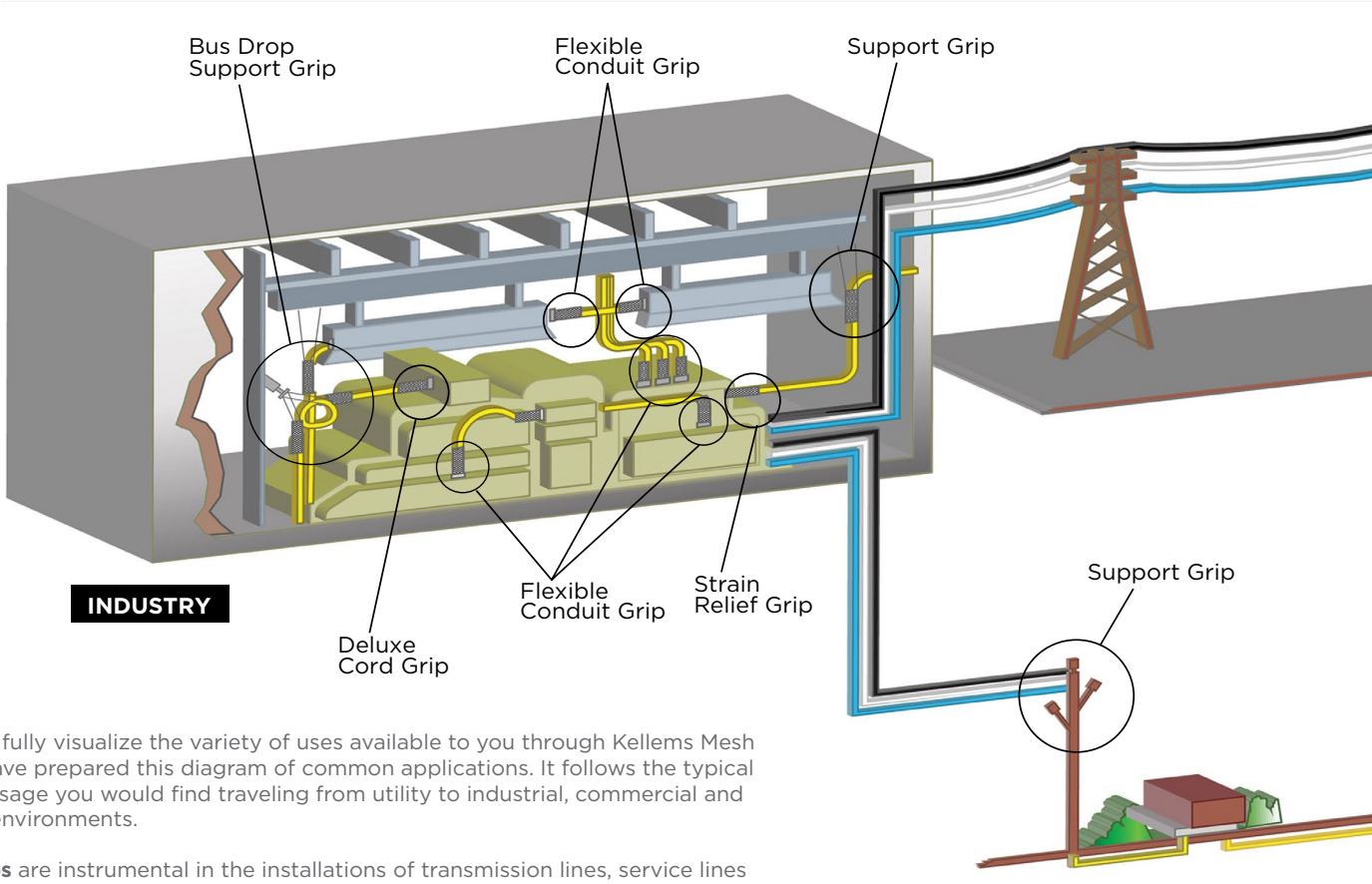
Splicing Grips
Used as temporary splice for cable and wire rope, or as reinforcement to protect cables and hoses. See pages Y-14 and Y-15.

Conduit Riser Grips
Ideal for supporting electrical wires inside rigid conduit via a supporting ring. See pages Y-29 to Y-31.

Hose Containment Grips
Used on flexible hose lines to prevent violent whipping of hose in the event of failure at the fitting. See pages Y-45 toY-47.

Specifications are subject to change without notice.

Wire Mesh Grips Diagram



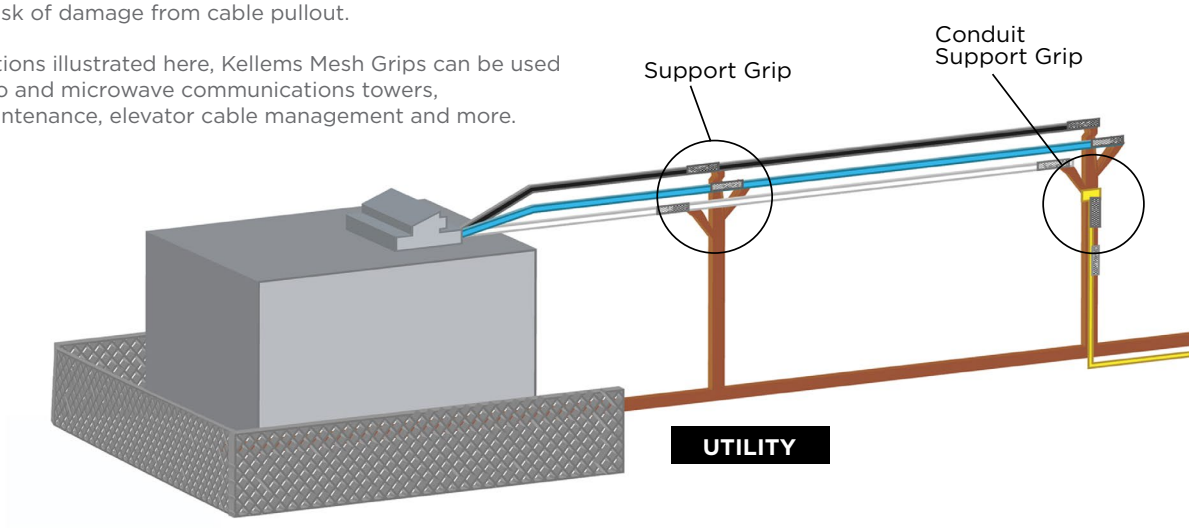
To help you fully visualize the variety of uses available to you through Kellems Mesh Grips, we have prepared this diagram of common applications. It follows the typical pattern of usage you would find traveling from utility to industrial, commercial and residential environments.

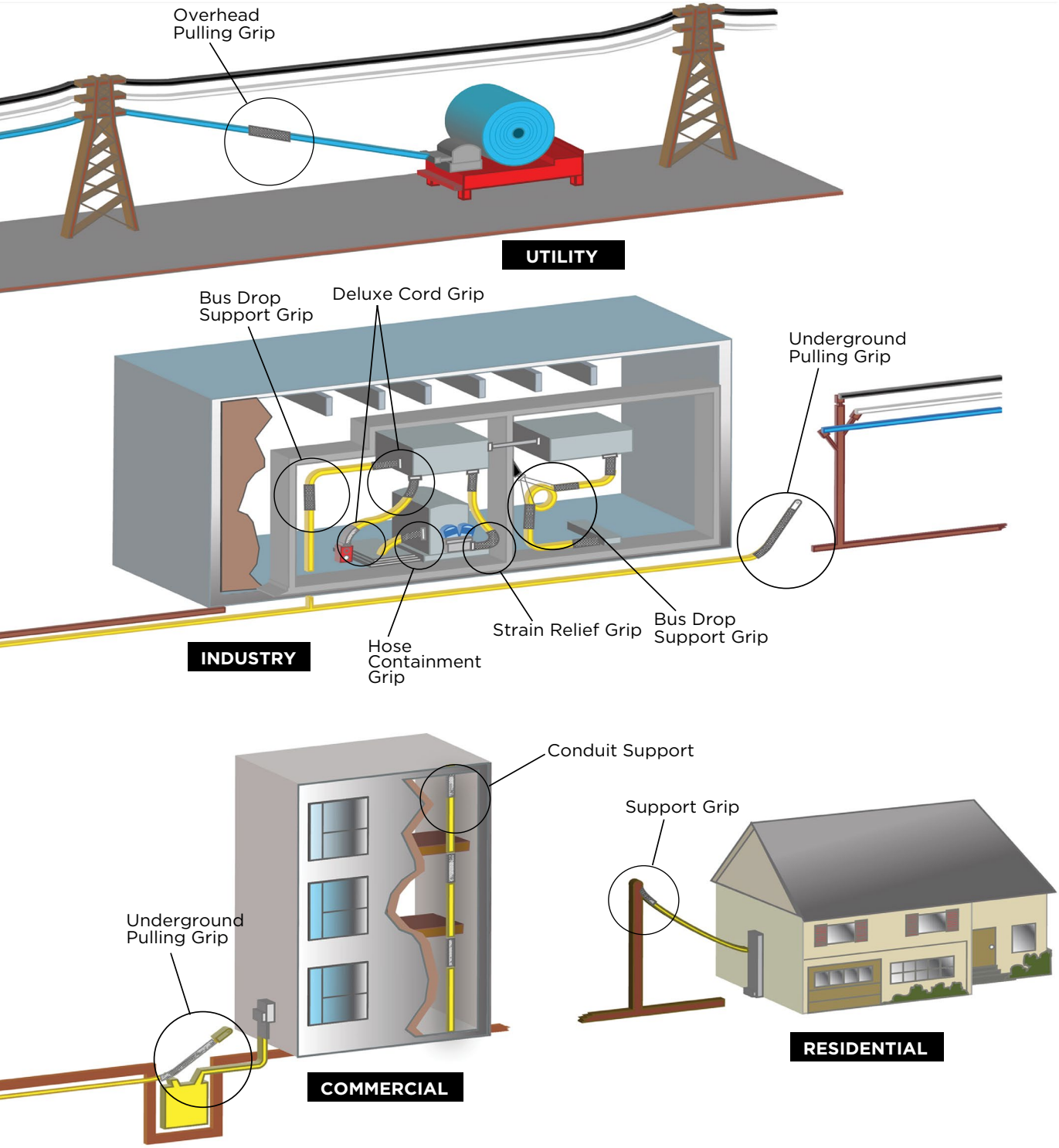
Pulling Grips are instrumental in the installations of transmission lines, service lines and cabling for construction and maintenance.

Support Grips provide holding management for indoor and outdoor permanent cable installations.

Strain Relief Grips are most often used to provide maximum reliability and minimum maintenance in areas where cords on machinery or equipment is impacted by motion or vibration or at risk of damage from cable pullout.

Beyond the electrical applications illustrated here, Kellems Mesh Grips can be used for wire management on radio and microwave communications towers, crane and hoist wire rope maintenance, elevator cable management and more.




Overhead
Pulling Grip
UTILITY
Bus Drop
Support Grip
Deluxe Cord Grip
Underground
Pulling Grip
INDUSTRY
Hose
Containment
Grip
Strain Relief Grip
Bus Drop
Support Grip
Conduit Support
Underground
Pulling Grip
COMMERCIAL
Support Grip
RESIDENTIAL

Pulling Grips

Features and Benefits

Pulling grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts and conduit.

These grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Kellems Pulling Grip for every pulling job.

- Made of high strength galvanized steel strand
- Mesh design offers the greatest holding power for all pulling applications
- Each grip size is color coded for fast and accurate identification and selection
- Will mate with swivels





Mesh Grip

- The galvanized steel mesh grip provides strength for secure pulling jobs and a slim profile with little build-up; it has flexibility to follow cable path
- The multiweave styles available add strength for big pulling jobs and provide positive gripping power



Eye Styles

- Heavy duty rotating eye for underground wiring and overhead heavy duty pulling of service lines and new construction cable
- Flexible or rotating eyes will mate easily with line stringing swivels for attachment to pulling lines; they have great strength for trouble free pulling jobs



Cable Protection

- Shoulder protectors contain the cable inside the grip and smooth the passage of the grip over line stringing blocks or conduit bends; they protect the leading edge of the grip from abrasion



Accessories

- Swivels are essential to the efficiency and safety of any high tension application
- Punch-Lok® Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose
- Banding tools

DUA-PULL® Grips, Flexible Eye, Double Weave Mesh

DUA-PULL Pulling Grips are the highest strength pulling grips manufactured for overhead transmission line stringing applications. They have a dual function of working with both bare and insulated conductors and synthetic rope, not provided by any other grip. Kellems' patented two-over, two-under weave design gives exceptional strength and gripping ability by putting more steel mesh in contact with the cable or rope surfaces. **THIS IS THE ONLY PULLING GRIP RECOMMENDED FOR USE ON SYNTHETIC ROPE.**

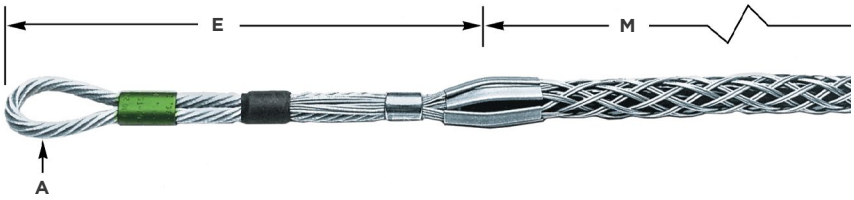
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-17 and Y-18.

Benefits

- Made of high strength galvanized steel strand
- Recommended for pulling bare or insulated conductor, wire rope and synthetic rope
- DUA-PULL mesh design offers the greatest holding power for all pulling applications
- Each grip size is color coded for fast and accurate identification and selection
- Will mate with swivels, see page Y-16



DUA-PULL Grips

Diameter Range		Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	A Eye Dia. Inches (cm)	Over Cable and Grip** Inches (cm)	Color Code	Catalog Number
Conductor Inches (cm)	Rope* Inches (cm)								
.19"-.37" (.48-.94)	.25"-.65" (.63-1.65)	6,500	1,300	10" (25.40)	24" (60.96)	.220" (.56)	.200" (.51)	Black	**033271037**
.38"-.62" (.97-1.57)	.50"-.90" (1.27-2.29)	14,000	2,800	12" (30.48)	36" (91.44)	.375" (.95)	.280" (.71)	Dk Green	**033271038**
.63"-.87" (1.60-2.21)	.75"-1.10" (1.90-2.79)	20,000	4,000	13" (33.02)	48" (121.92)	.437" (1.11)	.360" (.91)	Red	**033271039**
.88"-1.12" (2.24-2.84)	1.00"-1.50" (2.54-3.81)	30,600	6,120	15" (38.10)	60" (152.40)	.500" (1.27)	.500" (1.27)	Dk Blue	**033271040**
1.13"-1.37" (2.87-3.48)	1.25"-1.70" (3.17-4.32)	46,800	9,360	18" (45.72)	76" (193.04)	.625" (1.59)	.625" (1.59)	Yellow	**033271041**
1.38"-1.90" (3.51-4.38)	1.50"-2.10" (3.81-5.33)	66,500	13,300	24" (60.96)	89" (226.06)	.750" (1.90)	.750" (1.90)	Aluminum	**033271042**

Note: E-Eye length. M-Mesh length at nominal diameter.
**For rope, select smallest size grip which meets required work load.*
***Add to cable or rope diameter.*

Feed Tubes

The Kellems Feed Tube is used when assembling synthetic rope into the DUA-PULL Grip. It is required on the largest two sizes of DUA-PULL Grips. Feed Tubes are available for use on all size DUA-PULL Grips.

Benefits

- Saves time, allowing fast, easy assembly
- Can be reused if not damaged



DUA-PULL Feed Tubes

For Use with DUA-PULL Grips	Rope Diameter Inches (cm)	Feed Tube Length Inches (cm)	Catalog Number
033271037	.25"-.65" (.63-1.65)	28" (71.12)	**091061043**
033271038	.50"-.90" (1.27-2.29)	40" (101.60)	**091061044**
033271039	.75"-1.10" (1.90-2.79)	52" (132.08)	**091061045**
033271040	1.00"-1.50" (2.54-3.81)	67" (170.18)	**091061046**
033271041	1.25"-1.70" (3.17-4.32)	83" (210.82)	**091061047**
033271042	1.50"-2.10" (3.81-5.33)	96" (243.84)	**091061048**

Note: 1. Do not run grips or swivels over bullwheels while under tension. 2. Two bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release, see page Y-16. 3. Double braided rope, such as 2-in-1 type, should be back spliced for approximately 2/3 of the mesh length for best gripping results. Grip size should be selected by diameter of back splice.

Dimensions in Inches (mm)

Multiple Strength Style Grips

Multiple Strength Pulling Grips are designed for pulling aluminum or copper bare conductor, ground wires, messenger strands, wire rope and insulated cables. They are made of high strength galvanized steel strand and feature a multi-weave mesh construction of single, double and triple weave for firm holding power.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-17 and Y-18.

Rotating Eye Feature

Multiple Strength Grips are available with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined and will thread through blocks and sheaves without binding. The rotating eye is not a swivel and will not turn while under tension; it can turn to relieve pulling torque when tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page Y-16. For rotating eye dimensions, see page Y-9.

Benefits

- Economical, high strength pulling tool
- Multi-weave construction provides greater strength and holding power
- Endless Weave Grip end lies flat on the cable and will not snag



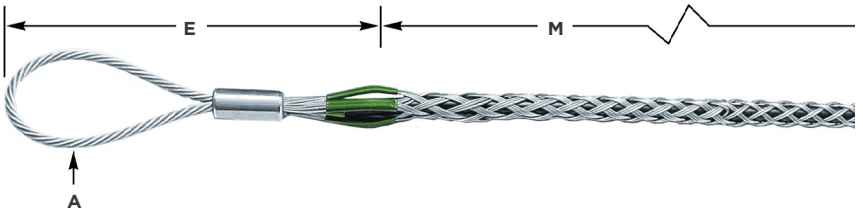
Multiple Strength Grip, Rotating Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Rotating Eye Dia. Inches (cm)	Color Code	Catalog Number
.25"-.49" (.63-1.24)	6,800	1,360	5" (12.70)	26" (66.04)	7/8" (2.22)	Dark Green	**03302016**
.50"-.74" (1.27-1.88)	10,000	2,000	6" (15.24)	32" (81.28)	1" (2.54)	Brown	**03302018**
.75"-.99" (1.90-2.51)	14,400	2,880	6" (15.24)	41" (104.14)	1" (2.54)	Light Blue	**03302020**
1.00"-1.24" (2.54-3.15)	24,600	4,920	8" (20.32)	52" (132.08)	1-3/8" (3.49)	Gold	**03302022**
1.25"-1.49" (3.17-3.78)	30,600	6,120	8" (20.32)	56" (142.24)	1-5/8" (4.13)	Black	**03302024**
1.50"-1.74" (3.81-4.42)	30,600	6,120	9" (22.86)	60" (152.40)	1-7/8" (4.76)	Red	**03302026**
1.75"-2.24" (4.44-5.69)	48,000	9,600	10" (25.40)	70" (177.80)	1-7/8" (4.76)	Dark Blue	**03302028**
2.00"-2.49" (5.08-6.32)	48,000	9,600	10" (25.40)	50" (127.00)	1-7/8" (4.76)	Yellow	**03302066**
2.50"-2.99" (6.35-7.59)	48,000	9,600	10" (25.40)	52" (132.08)	1-7/8" (4.76)	Orange	**03302097**
3.00"-3.49" (7.62-8.86)	48,000	9,600	10" (25.40)	50" (127.00)	1-7/8" (4.76)	Aluminum	**033021030**
3.50"-3.99" (8.89-10.13)	48,000	9,600	10" (25.40)	53" (134.62)	1-7/8" (4.76)	Light Green	**033021031**

Note: E-Eye length. M-Mesh length at nominal diameter.

Flexible Eye Feature

Multiple Strength Grips are also available with a flexible, patented wire rope eye. This compact eye will mate with a swivel, and pass through blocks and sheaves without binding.



Multiple Strength Grip, Flexible Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	A Eye Dia. Inches (cm)	Color Code	Catalog Number
.25"-.49" (.63-1.24)	6,800	1,360	9" (22.86)	26" (66.04)	1/4" (.63)	Dark Green	**03302044**
.50"-.74" (1.27-1.88)	10,000	2,000	9" (22.86)	32" (81.28)	5/16" (.79)	Brown	**03302046**
.75"-.99" (1.90-2.51)	14,400	2,880	11" (27.94)	41" (104.14)	3/8" (.95)	Light Blue	**03302048**
1.00"-1.24" (2.54-3.15)	24,600	4,920	12" (30.48)	52" (132.08)	1/2" (1.27)	Gold	**03302050**
1.25"-1.49" (3.17-3.78)	30,600	6,120	12" (30.48)	56" (142.24)	1/2" (1.27)	Black	**03302052**
1.50"-1.74" (3.81-4.42)	30,600	6,120	12" (30.48)	60" (152.40)	1/2" (1.27)	Red	**03302054**
1.75"-2.24" (4.44-5.69)	48,000	9,600	18" (45.72)	70" (177.80)	5/8" (1.59)	Dark Blue	**03302056**
2.00"-2.49" (5.08-6.32)	48,000	9,600	18" (45.72)	50" (127.00)	5/8" (1.59)	Yellow	**033021078**
2.50"-2.99" (6.35-7.59)	48,000	9,600	18" (45.72)	52" (132.08)	5/8" (1.59)	Orange	**033021079**
3.00"-3.49" (7.62-8.86)	48,000	9,600	18" (45.72)	50" (127.00)	5/8" (1.59)	Aluminum	**033021080**
3.50"-3.99" (8.89-10.13)	48,000	9,600	18" (45.72)	53" (134.62)	5/8" (1.59)	Light Green	**033021081**

Note: E-Eye length. M-Mesh length at nominal diameter.

1. Do not run grips or swivels over bullwheels while under tension. 2. Two bands should be firmly attached approximately 1" and 2" (2.54cm and 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release, see page Y-16.

Dimensions in Inches (mm)

Kellems Rotating Eye, K-Type Pulling Grips are made of high strength galvanized steel strand. All Grips feature double weave mesh for greater strength and added mesh contact on the table, to handle longer or heavier pulling jobs. The forged eye mates easily with a swivel or shackle.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-17 and Y-18.

Rotating Eye Feature

K-Type Grips come equipped with a forged steel rotating eye which can be attached to a swivel. The forged eye is durable, compact and streamlined, and will thread through blocks and sheaves without binding. The rotating eye is not a swivel and will not turn while under tension; it can turn to relieve pulling torque when the tension is relaxed. If constant swivel action is required, a swivel should be used. For swivel dimensions, see page Y-16. For rotating eye dimensions, see below.

Benefits

- An economical tool for pulling cable
- Safe, rugged and dependable
- Equipped with a rotating eye for spin out of pulling torque after load release
- Easily installed and removed



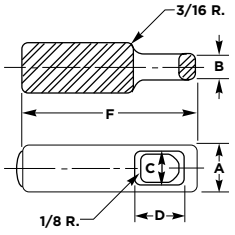
K-Type Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Rotating Eye Dia. Inches (cm)	Catalog Number
Short						
.50″-.62″ (1.27-1.57)	5,600	1,120	5″ (12.70)	11″ (27.94)	7/8″ (2.22)	**03301001**
.63″-.74″ (1.60-1.88)	6,800	1,360	5″ (12.70)	11″ (27.94)	7/8″ (2.22)	**03301002**
.75″-.99″ (1.90-2.51)	6,800	1,360	6″ (15.24)	20″ (50.80)	1″ (2.54)	**03301013**
1.00″-1.24″ (2.54-3.15)	12,800	2,560	7″ (17.78)	20″ (50.80)	1-3/8″ (3.49)	**03301014**
1.25″-1.49″ (3.17-3.78)	12,800	2,560	7″ (17.78)	21″ (53.34)	1-3/8″ (3.49)	**03301016**
1.50″-1.99″ (3.81-5.05)	16,400	3,280	7″ (17.78)	25″ (63.50)	1-3/8″ (3.49)	**03301017**
2.00″-2.49″ (5.08-6.32)	27,200	5,440	8″ (20.32)	26″ (66.04)	1-5/8″ (4.13)	**03301018**
2.50″-2.99″ (6.35-7.59)	33,000	6,600	10″ (25.40)	28″ (71.12)	1-7/8″ (4.76)	**03301019**
3.00″-3.49″ (7.62-8.86)	41,000	8,200	10″ (25.40)	30″ (76.20)	1-7/8″ (4.76)	**03301020**
3.50″-3.99″ (8.89-10.13)	48,000	9,600	10″ (25.40)	32″ (81.28)	1-7/8″ (4.76)	**03301021**
4.00″-4.49″ (10.16-11.40)	48,000	9,600	10″ (25.40)	33″ (83.82)	1-7/8″ (4.76)	**033011017**
Standard						
.50″-.62″ (1.27-1.57)	5,600	1,120	5″ (12.70)	16″ (40.64)	7/8″ (2.22)	**03301011**
.63″-.74″ (1.60-1.88)	6,800	1,360	5″ (12.70)	16″ (40.64)	7/8″ (2.22)	**03301012**
.75″-.99″ (1.90-2.51)	9,600	1,920	6″ (15.24)	32″ (81.28)	1″ (2.54)	**03301024**
1.00″-1.49″ (2.54-3.78)	16,400	3,280	7″ (17.78)	33″ (83.82)	1-3/8″ (3.49)	**03301025**
1.50″-1.99″ (3.81-5.05)	16,400	3,280	7″ (17.78)	34″ (86.36)	1-3/8″ (3.49)	**03301026**
2.00″-2.49″ (5.08-6.32)	27,200	5,440	9″ (22.86)	36″ (91.44)	1-5/8″ (4.13)	**03301027**
2.50″-2.99″ (6.35-7.59)	33,000	6,600	10″ (25.40)	38″ (96.52)	1-7/8″ (4.76)	**03301028**
3.00″-3.49″ (7.62-8.86)	41,000	8,200	10″ (25.40)	39″ (99.06)	1-7/8″ (4.76)	**03301029**
3.50″-3.99″ (8.89-10.13)	48,000	9,600	10″ (25.40)	41″ (104.14)	1-7/8″ (4.76)	**03301030**
4.00″-4.49″ (10.16-11.40)	48,000	9,600	10″ (25.40)	42″ (106.68)	1-7/8″ (4.76)	**03301031**
4.50″-4.99″ (11.43-12.67)	48,000	9,600	10″ (25.40)	58″ (147.32)	1-7/8″ (4.76)	**03301039**
5.00″-5.99″ (12.70-15.21)	40,000	8,000	10″ (25.40)	60″ (152.40)	1-7/8″ (4.76)	**03301047**
6.00″-6.99″ (15.24-17.75)	48,000	9,600	10″ (25.40)	66″ (167.64)	1-7/8″ (4.76)	**03301045**

Note: E-Eye length. M-Mesh length at nominal diameter.
See page Y-18 for multiple cables in a single pulling grip.

Rotating Eye Dimensions

Inches (cm)	A	B	C	D	E
7/8″ (2.22)	7/8″ (2.22)	9/32″ (.71)	1/2″ (1.27)	7/8″ (2.22)	2-5/8″ (6.67)
1″ (2.54)	1″ (2.54)	1/2″ (1.27)	9/16″ (1.43)	1-3/16″ (2.06)	3-1/2″ (8.89)
1-3/8″ (3.49)	1-3/8″ (3.49)	1/2″ (1.27)	11/16″ (1.75)	1″ (2.54)	4-1/2″ (11.43)
1-5/8″ (4.13)	1-5/8″ (4.13)	5/8″ (1.59)	7/8″ (2.22)	1-3/16″ (3.02)	5-5/16″ (13.49)
1-7/8″ (4.76)	1-7/8″ (4.76)	21/32″(1.67)	1″ (2.54)	1-3/8″ (3.49)	6-1/8″ (15.56)



Dimensions in Inches (mm)

T-Type Grips

Kellems Flexible T-Type Pulling Grips are made of high strength galvanized steel strand. They feature double weave mesh for positive holding power in medium to heavy pulling jobs. The grip eye will easily attach to a swivel.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

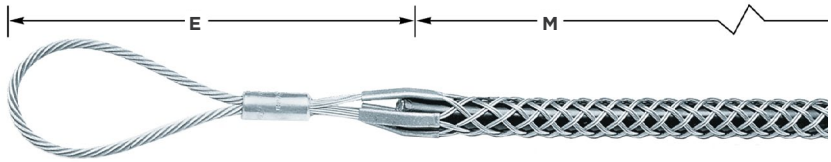
Refer to pages Y-17 and Y-18.

Application

T-Type Pulling Grips are used for the installation of underground power cables, communication lines and service lines into factories, construction projects and for general underground electrical construction. Available in two mesh lengths, short for medium pulls and standard for general purpose pulling.

Benefits

- Will pull a single cable or cable bundles
- Patented flexible eye design provides flexibility to follow line of pull
- A dependable, reusable pulling tool
- Easily installed and removed
- Mates easily with a swivel, see page Y-16



T-Type Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Short					
.50″-.62″ (1.27-1.57)	4,500	900	8″ (20.32)	21″ (53.34)	**033041082**
.63″-.74″ (1.60-1.88)	5,600	1,120	8″ (20.32)	24″ (60.96)	**033041083**
.75″-.99″ (1.90-2.51)	6,800	1,360	9″ (22.86)	24″ (60.96)	**033041084**
1.00″-1.49″ (2.54-3.78)	9,600	1,920	9″ (22.86)	24″ (60.96)	**033041085**
1.50″-1.99″ (3.81-5.05)	16,400	3,280	11″ (27.94)	24″ (60.96)	**033041086**
2.00″-2.49″ (5.08-6.32)	18,500	3,700	12″ (30.48)	24″ (60.96)	**033041087**
2.50″-2.99″ (6.35-7.59)	24,500	4,900	12″ (30.48)	24″ (60.96)	**033041088**
3.00″-3.49″ (7.62-8.86)	24,500	4,900	14″ (35.56)	24″ (60.96)	**033041089**
3.50″-3.99″ (8.89-10.13)	31,000	6,200	14″ (35.56)	26″ (66.04)	**033041090**
Standard					
.75″-.99″ (1.90-2.51)	6,800	1,360	9″ (22.86)	36″ (91.44)	**033041091**
1.00″-1.49″ (2.54-3.78)	9,600	1,920	9″ (22.86)	36″ (91.44)	**033041092**
1.50″-1.99″ (3.81-5.05)	16,400	3,280	11″ (27.94)	36″ (91.44)	**033041093**
2.00″-2.49″ (5.08-6.32)	18,500	3,700	12″ (30.48)	36″ (91.44)	**033041094**
2.50″-2.99″ (6.35-7.59)	24,500	4,900	12″ (30.48)	36″ (91.44)	**033041095**
3.00″-3.49″ (7.62-8.86)	24,500	4,900	14″ (35.56)	36″ (91.44)	**033041096**
3.50″-3.99″ (8.89-10.13)	31,000	6,200	14″ (35.56)	40″ (101.60)	**033041097**

Note: E-Eye length. M-Mesh length at nominal diameter.
See page Y-18 for multiple cables in a single pulling grip.

Dimensions in Inches (mm)

Kellems Non-Conductive Pulling Grips, made of a high strength, non-conductive aramid fiber, are available for pulling single cable or cable bundles. Their braided double weave design adds strength and positive holding power.

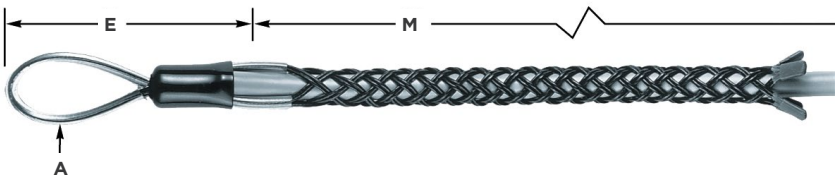
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-17 and Y-18.

Benefits

- Color coded for fast on-site selection
- Extra flexibility for easy installation
- Non-metallic mesh provides for safe pulls over "hot" areas
- Pellethane jacketed aramid fiber mesh resists abrasion
- Grips are corrosion resistant



Non-Conductive Grips, Single Eye, Double Weave, Non-Metallic

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	A Inches (cm)	Color Code	Catalog Number
.50"-.62" (1.27-1.57)	1,000	200	5.5" (13.97)	24" (60.96)	.44" (1.12)	Green	**03628001**
.63"-.74" (1.60-1.88)	2,000	400	5.5" (13.97)	26" (66.04)	.44" (1.12)	Yellow	**03628002**
.75"-.99" (1.90-2.51)	2,000	400	6.0" (15.24)	31" (78.74)	.63" (1.60)	Red	**03628003**
1.00"-1.24" (2.54-3.15)	3,000	600	6.5" (16.51)	36" (91.44)	.63" (1.60)	Blue	**03628004**
1.25"-1.49" (3.17-3.78)	3,000	600	6.7" (17.02)	41.5" (105.41)	.63" (1.60)	White	**03628005**
1.50"-1.99" (3.81-5.05)	3,000	600	8.0" (20.32)	44.0" (121.76)	.63" (1.60)	Pink	**03628006**

Note: E-Eye length. M-Mesh length at nominal diameter.
Taping is required to guard against accidental release and to insure maximum reliability. Apply vinyl plastic electrical tape starting 2" to 3" (5.08cm to 7.62cm) from the tail of the grip onto 2" to 3" (5.08cm to 7.62cm) of cable.

Dimensions in Inches (mm)

Slack Pulling Grips

Slack Pulling Grips are offered in two styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split rod closing styles. All grips feature a single offset eye for easy attachment to a pulling line.

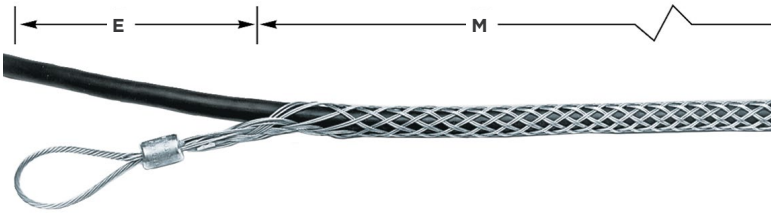
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-17 and Y-18.

Benefits

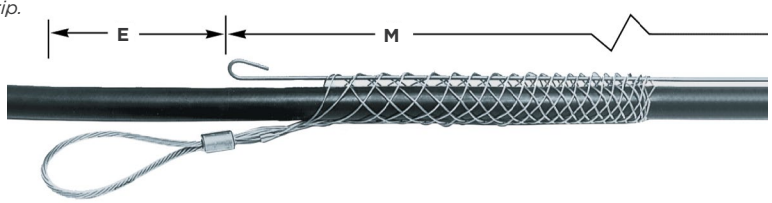
- Easy attachment to pulling lines
- Galvanized steel for strength



Slack Grip-Closed Mesh, Offset Eye, Double Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Standard					
.75"-.99" (1.90-2.51)	2,600	520	7" (17.78)	12" (30.48)	**03308003**
1.00"-1.24" (2.54-3.15)	4,000	800	8" (20.32)	15" (38.10)	**03308004**
1.25"-1.49" (3.17-3.78)	5,400	1,080	8" (20.32)	16" (40.64)	**03308005**
1.50"-1.74" (3.81-4.42)	6,600	1,320	8" (20.32)	20" (50.80)	**03308006**
1.75"-1.99" (4.44-5.05)	10,000	2,000	10" (25.40)	18" (45.72)	**03308007**
2.00"-2.49" (5.08-6.32)	11,000	2,200	10" (25.40)	19" (48.26)	**03308008**
2.50"-2.99" (6.35-7.59)	11,000	2,200	10" (25.40)	20" (50.80)	**03308009**
3.00"-3.49" (7.62-8.86)	14,500	2,900	12" (30.48)	21" (53.34)	**03308010**
3.50"-3.99" (8.89-10.13)	14,500	2,900	12" (30.48)	22" (55.88)	**03308011**

Note: E-Eye length. M-Mesh length at nominal diameter.
See page Y-18 for multiple cables in a single pulling grip.



Slack Grip-Split Mesh, Rod Closing, Offset Eye, Single Weave, Galvanized Steel

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.50"-.61" (1.27-1.55)	1,500	300	7" (17.78)	6" (15.24)	**03310001**
.62"-.74" (1.57-1.88)	1,800	360	7" (17.78)	8" (20.32)	**03310002**
.75"-.99" (1.90-2.51)	2,200	440	7" (17.78)	10" (25.40)	**03310003**
1.00"-1.24" (2.54-3.15)	3,400	680	8" (20.32)	12" (30.48)	**03310004**
1.25"-1.49" (3.17-3.78)	4,500	900	8" (20.32)	14" (35.56)	**03310005**
1.50"-1.74" (3.81-4.42)	5,800	1,160	9" (22.86)	15" (38.10)	**03310006**
1.75" -1.99" (4.44-5.05)	7,600	1,520	10" (25.40)	16" (40.64)	**03310007**
2.00"-2.49" (5.08-6.32)	9,000	1,800	10" (25.40)	19" (48.26)	**03310008**
2.50"-2.99" (6.35-7.59)	11,000	2,200	10" (25.40)	20" (50.80)	**03310009**
3.00"-3.49" (7.62-8.86)	12,000	2,400	12" (30.48)	21" (53.34)	**03310010**
3.50"-3.99" (8.89-10.13)	12,000	2,400	12" (30.48)	24" (60.96)	**03310011**

Note: E-Eye length. M-Mesh length at nominal diameter.
See page Y-35 for closing instructions.
See page Y-18 for multiple cables in a single pulling grip.

Dimensions in Inches (mm)

Light Duty Grips are made of galvanized steel in a single weave construction. They feature a flexible eye for easy attachment to a pulling line.

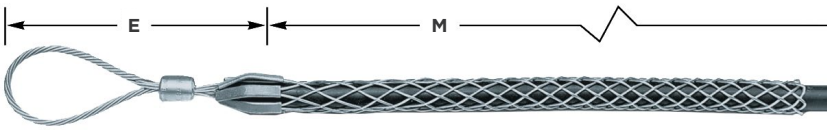
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-17 and Y-18.

Benefits

- Perfect tools for light pulling jobs
- Installs easily on cable
- Strong galvanized steel construction



Light Duty Grips

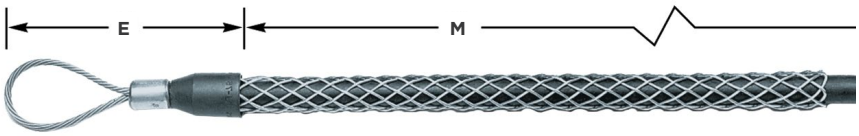
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
Short					
.50"-.62" (1.27-1.57)	2,800	560	5" (12.70)	11" (27.94)	**03303001**
.63"-.74" (1.60-1.88)	2,800	560	5" (12.70)	11" (27.94)	**03303002**
.75"-.99" (1.90-2.51)	4,000	800	6" (15.24)	12" (30.48)	**03303003**
1.00"-1.24" (2.54-3.15)	5,300	1,060	7" (17.78)	13" (33.02)	**03303004**
1.25"-1.49" (3.17-3.78)	5,300	1,060	7" (17.78)	14" (35.56)	**03303005**
1.50"-1.74" (3.81-4.42)	6,800	1,360	8" (20.32)	15" (38.10)	**03303006**
1.75"-1.99" (4.44-5.05)	8,500	1,700	9" (22.86)	17" (43.18)	**03303007**
2.00"-2.49" (5.08-6.32)	8,500	1,700	9" (22.86)	18" (45.72)	**03303008**
Standard					
.50"-.62" (1.27-1.57)	2,800	560	5" (12.70)	16" (40.64)	**03303010**
.63"-.74" (1.60-1.88)	2,800	560	5" (12.70)	16" (40.64)	**03303011**
.75"-.99" (1.90-2.51)	4,000	800	6" (15.24)	20" (50.80)	**03303012**
1.00"-1.24" (2.54-3.15)	6,800	1,360	7" (17.78)	20" (50.80)	**03303013**
1.25"-1.49" (3.17-3.78)	6,800	1,360	7" (17.78)	21" (53.34)	**03303015**
1.50"-1.99" (3.81-5.05)	6,800	1,360	8" (20.32)	23" (58.42)	**03303016**
2.00"-2.49" (5.08-6.32)	8,500	1,700	9" (22.86)	25" (63.50)	**03303017**
2.50"-2.99" (6.35-7.59)	10,600	2,120	9" (22.86)	27" (68.58)	**03303018**
3.00"-3.49" (7.62-8.86)	14,700	2,940	10" (25.40)	30" (76.20)	**03303019**
3.50"-3.99" (8.89-10.13)	14,700	2,940	10" (25.40)	32" (81.28)	**03303029**

Junior Pulling Grips

Junior Pulling Grips feature a strong galvanized steel, single weave mesh. A flexible eye easily attaches to a pulling line, snake or fish tape.

Benefits

- Installs easily over building wire
- Strong secure grip
- Reusable
- Pulls single cable or cable bundles



Junior Pulling Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Model	Catalog Number
.19"-.24" (.48-.61)	400	80	3-1/4" (8.25)	4-1/2" (10.79)	J19	**03305011***
.25"-.37" (.63-.94)	450	90	3-1/4" (8.25)	4-1/2" (10.79)	J25	**03305001**
.38"-.49" (.97-1.24)	900	180	3-3/4" (9.52)	7" (17.78)	J37	**03305002**
.50"-.62" (1.27-1.57)	1,300	260	4-1/2" (10.79)	8-1/2" (21.59)	J50	**03305003**
.63"-.74" (1.60-1.88)	1,950	390	5" (12.70)	10" (25.40)	J62	**03305004**
.75"-.99" (1.90-2.51)	2,800	560	5-3/4" (14.60)	10" (25.40)	J75	**03305005**
1.00"-1.24" (2.54-3.15)	3,900	780	6-1/2" (16.51)	11-1/2" (29.21)	J100	**03305006**
Junior Grip Kit contains 6 grips, one of each size above, except 03305011.						**033051114**

Note: E-Eye length. M-Mesh length at nominal diameter.
**Not included in Junior Grip Kit, 033051114.*
See page Y-18 for multiple cables in a single pulling grip.

Dimensions in Inches (mm)

Wire Rope Grips

Slack Pulling Grips are offered in two styles made of galvanized steel. The closed type is used when the cable end is accessible. When not accessible, there are split rod closing styles. All grips feature a single offset eye for easy attachment to a pulling line.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-17 and Y-18.

Benefits

- High strength for secure pulling
- Easy installation
- Flexible to pass through sheaves and blocks

Application

Wire Rope Grips are used for changing wire rope on oil derricks, large cranes, overhead cranes and drag lines. It provides a quick, safe, inexpensive temporary splice. By installing the used wire rope in one end and the new rope in the other, the new wire rope can be pulled in as the old one is pulled out.



Regular Wire Rope Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Approx. Strength of Grip Feet (m)	Catalog Number
.56″-.62″ (1.43-1.59)	7,500	1,500	5.75 (1.75)	**03316001**
.75″-.88″ (1.90-2.22)	12,500	2,500	6.75 (1.90)	**03316002**
1.00″-1.13″ (2.54-2.86)	16,000	3,200	7.00 (2.13)	**03316003**
1.25″-1.38″ (3.17-3.49)	20,000	4,000	8.00 (2.44)	**03316004**
1.38″-1.50″ (3.49-3.81)	20,000	4,000	8.00 (2.44)	**03316006**



Rotating Wire Rope Grips

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Approx. Strength of Grip Feet (m)	Barrel Dimensions Length. x O.D. In. (cm)	Catalog Number
.44″-.50″ (1.11-1.27)	5,000	1,000	5.33 (1.63)	3.00″ (7.62) x .87″ (2.21)	**03317001**
.56″-.63″ (1.43-1.59)	7,500	1,500	5.83 (1.78)	4.25″ (10.79) x 1.00″ (2.54)	**03317002**
.75″-.88″ (1.90-2.22)	12,500	2,500	6.50 (1.98)	4.25″ (10.79) x 1.00″ (2.54)	**03317003**
1.00″-1.13″ (2.54-2.86)	16,000	3,200	8.67 (2.64)	5.50″ (13.97) x 1.37″ (3.48)	**03317004**
1.25″-1.38″ (3.17-3.49)	20,000	4,000	9.00 (2.74)	5.50″ (13.97) x 1.37″ (3.48)	**03317005**
1.50″-1.75″ (3.81-4.44)	20,000	4,000	11.00 (3.35)	5.50″ (13.97) x 1.37″ (3.48)	**03317006**

Note: 1. During installation each end of the grip should be banded and taped down securely over the rope to insure smooth passage through sheaves and to guard against accidental release. See page Y-16 for end bands.
2. The rotating barrel is not a swivel and will not turn while under tension. It can turn to relieve pulling torque when tension is relaxed.

Dimensions in Inches (mm)

Splicing Grips are made of galvanized steel in double weave mesh construction. They are available in various lengths and sizes to suit most applications.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-17 and Y-18.

Benefits

- Easily installed or removed
- Galvanized steel construction for strength
- Flexible to follow cable path

Application

Splicing Grips are used as a temporary splice for rope, cable or wire rope. They can also be used as cable reinforcement and can act as a shield to protect cables and hoses from abrasion.



Double Weave Splicing Grips

Cable Diameter Range Inches (cm)	.37"-.49" (.94-1.24)	.50"-.61" (1.27-1.55)	.62"-.74" (1.57-1.88)	.75"-.99" (1.90-2.51)	1.00"-1.49" (2.54-3.78)
Approx. Breaking Strength Lbs.	3,500	3,500	4,400	7,500	10,000
Mesh Length Inches (cm)	**Catalog Number**				
18" (45.72)	**013041330**	**01304064**	**01304009**	—	—
24" (60.96)	—	**01304011**	**01304013**	**01304010**	**01304015**
36" (91.44)	—	—	**013041234**	**01304054**	**01304055**
48" (121.92)	—	—	—	**01304017**	**01304029**
72" (182.88)	—	—	—	**01304037**	**013041333**

Junior Splicing Grips, Single Weave

Junior Splicing Grips are made of galvanized steel and are designed for use in very light duty and small splicing jobs.

Benefits

- Easily installed or removed
- Galvanized steel construction for strength
- Flexible to follow cable path



Junior Tube

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Length @ Nom Diameter Inches (cm)	Catalog Number
.18"-.24" (.46-.61)	400	80	7" (17.78)	**01301008**
.25"-.36" (.63-.91)	400	80	8" (20.32)	**01301013**

Note: 1. During installation each end of the grip should be banded and taped down securely over the rope to insure smooth passage through sheaves and to guard against accidental release. See page Y-16 for end bands.

Dimensions in Inches (mm)

Punch-Lok® Bands

Punch-Lok Bands are applied over the tail of a grip to prevent the mesh from being tripped or pulled loose. Also, they assure full gripping action by locking the mesh of the tail in tight contact with the cable or rope.






When the tail of a grip is the leading end, the bands are particularly important to prevent accidental release caused by tripping on obstructions. A conductor-to-conductor (double-socking) pulling operation is a good example: where two grips connect two conductors to form a temporary splice. In all cases two Punch-Lok Bands should be double wrapped approximately one inch to two inches (2.54cm to 5.08cm) from the grip's tail. Banding is required to ensure maximum reliability and guard against accidental release. It is also common practice to tape over the banded tail area to assure smooth passage through the sheaves. The conductor should be installed in the grip up to the elbows of the aluminum shoulders in order to assure full and complete gripping action as illustrated above.

Punch-Lok Bands

Grip Banding Range Inches (cm)	Band Width Inches (cm)	Band Inside Diameter Inches (cm)	Model	Catalog Number
.25″-1.13″ (.63-2.86)	.38″ (.95)	1.38″ (3.49)	0-311	**20320050**
1.13″-1.63″ (2.86-4.13)	.38″ (.95)	2.00″ (5.08)	0-316	**20320051**
1.63″-2.25″ (4.13-5.71)	.63″ (1.59)	2.50″ (6.35)	0-10	**20320052**
2.25″-3.50″ (5.71-8.89)	.63″ (1.59)	4.00″ (10.16)	0-16	**20320053**
3.50″-5.00″ (8.89-12.70)	.63″ (1.59)	6.00″ (15.24)	0-24	**20320054**


20320054


20320048

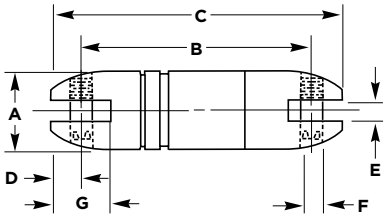
Accessories

Punch-Lok Tools	Catalog Number
P-1000 for use with .63″ width Banding tool.	**20320048**
P-38 for use with .38″ and .63″ width Banding tool for tight spaces.	**20320047**


20320047

Stainless Steel Swivels

Swivels are essential to the efficiency and safety of any high tension application. They are particularly important where continuous pulls develop higher and higher torque levels. Torque is intensified by the pull-resistance of the cable itself and the resistance of the high tension controlling equipment regulating line sag. Ball bearing swivels release torque and prevent it from reaching dangerous levels that can damage the cable and obstruct the lines.



Stainless Steel Swivels

Maximum Safe Working Load Lbs. (N)	Dimensions in Inches (cm)							Model	Catalog Number
	A	B	C	D	E	F	G		
2,250 (10,000)	.88″ (2.22)	2.50″ (6.35)	3.38″ (8.57)	.44″ (1.11)	.38″ (0.95)	.31″ (0.79)	.97″ (2.46)	A-13L	**20308001A**
5,000 (22,240)	1.25″ (3.17)	3.69″ (9.37)	4.75″ (12.06)	.53″ (1.35)	.53″ (1.35)	.41″ (1.03)	1.28″ (3.25)	BB-13L	**20308002A**
9,000 (40,030)	1.50″ (3.81)	4.25″ (10.79)	5.63″ (14.29)	.69″ (1.75)	.59″ (1.51)	.50″ (1.27)	1.56″ (3.97)	B-13L	**20308003A**
10,000 (44,480)	1.63″ (4.13)	4.50″ (11.43)	6.00″ (15.24)	.75″ (1.90)	.69″ (1.75)	.63″ (1.59)	1.72″ (4.36)	C-13L	**20308004A**
30,000 (133,440)	2.38″ (6.03)	7.63″ (19.37)	10.00″ (25.40)	1.19″ (3.02)	1.03″ (2.62)	.88″ (2.22)	2.78″ (7.06)	D-13L	**20308005A**


20308001A

Dimensions in Inches (mm)

Kellems Pulling Grips are reusable tools for pulling electrical cable, bare conductor or rope. They are easy and fast to install, providing the user with a smooth, slim profile that allows for easy passage through ducts and conduit. Kellems Pulling Grips are made of the highest quality galvanized steel strand which assures the user of a long lasting grip. There is a Kellems Pulling Grip for every pulling job.

Warning:

It is very important to read and understand all safety information before proceeding. Failure to use as directed may result in property damage, personal injury or death.

Grips are to be installed and utilized by a qualified technician in accordance with all applicable national and local safety and electrical codes. Consult a licensed project safety professional, if necessary.
Ensure that the correct grip is selected for your specific needs. Grips should only be used for their intended purpose and not for other applications.
Banding the tail end of the grip is required to prevent unintended release of the grip's hold from the cable and to achieve maximum gripping strength.
The strength of a Kellems grips is based on laboratory testing and does not evaluate variable conditions such as cable type, gripping surfaces, cable movement or impact loads. Suitability for the application must be determined by the user.
Thoroughly examine the condition of the grip prior to each use. Grips that are worn, bent, corroded, or show other signs of damage, such as frayed or broken wires, should never be used and must be replaced.
Do not modify the grip in any way.
Ensure that the recommended work load of the grip is suitable for the application. Never use a grip beyond its safe working load, which is the approximate breaking strength divided by the factor of safety. The recommended factor of safety is five (5) for pulling grips and ten (10) for support grips.
Pulling hardware should only be attached to the eye of the grip.
A swivel is recommended for attachment to the grip's eye in applications where torque release is necessary. Torque can build up in high tension pulling applications.
Do not run grips and swivels around sheaves or bull wheels while under tension. For synthetic rope, use Kellems Dua-Pull Grips only.

IMPORTANT:

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Select The Correct Pulling Grip

Each Kellems Grip is designed to work on a specific range of cable diameters.

Step 1 Refer to the chart below to determine the style of grip best suited for your application.
Step 2 Determine your cable outside diameter.
Step 3 Find the grip size that encompasses your cable diameter.
Step 4 Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough. Refer to page Y-34 for safety and working load factors.

Pulling Grip Selection Chart

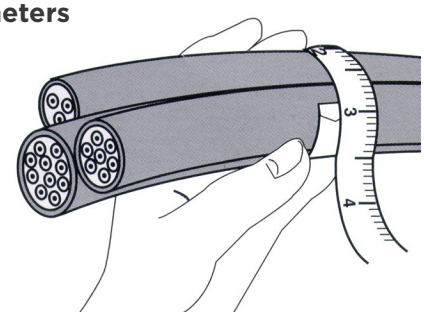
Grip Style	Application	Page Number
DUA-PULL®, flexible eye	Extra high strength overhead transmission line stringing for bare or insulated conductor and synthetic rope.	Y-7
Multiple strength, flexible eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	Y-8
Multiple strength, rotating eye	Normal overhead transmission and distribution line stringing for bare or insulated conductor.	Y-8
K-type grip, rotating eye	Underground power cables and communication lines. Service lines into factories.	Y-9
T-type grip, flexible eye	Underground power cables and communication lines. Service lines into factories.	Y-10
Non-conductive, flexible eye	Pull insulated distribution cable into place.	Y-11
Slack pulling, closed mesh	Remove underground cable. For pulling slack in final placement of new cable when end of cable is available.	Y-12
Slack pulling, split mesh	Remove underground cable. For pulling slack in final placement of new cable rod closing when end of cable is not available, with rod closing for quick installation.	Y-12
Light duty, flexible eye	Light pulling, underground electrical construction. Industrial plant wiring and rewiring jobs.	Y-13
Junior, flexible eye	Connect bundled insulated building wire to a pulling tape. Pull wire through conduit.	Y-13
Regular and rotating wire rope	Restring wire rope in cranes and oil rigs.	Y-14
Splicing	Temporary splice for cable or wire rope.	Y-15
Pulling grip accessories	Tools, bands, swivels.	Y-16
Fiber optic cable pulling grips	Pull fiber optic cable into place overhead, underground or through duct and conduit.	Y-38 to Y-43

Cables and Wires of Unequal Diameters

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameters

How to choose the correct grip size:

- Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).
- Divide the bundle circumference by 3.14 to determine the diameter.
- Choose a grip offering a range of cable diameters the same as the cable diameter.



For Pulling Grips*

CAUTION: When a grip is used on multiple cables, the tail end of the grip should be banded after positioning on the cables.

For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right. If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.
Example: Three cables, each with .89" (2.26cm) diameter, for a Closed Grip select the 1.50"-1.74" (3.81cm-4.42cm) range, for a Split Grip select the 1.75"-1.99" (4.44cm-5.05cm) range.

Number of Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.30-.38 (.76-.97)	.25-.31 (.63-.79)	.22-.27 (.56-.69)	.19-.24 (.48-.60)	.17-.22 (.43-.56)	.15-.19 (.38-.48)	.14-.18 (.36-.46)	.50-.61 (1.27-1.55)
.38-.44 (.97-1.12)	.31-.36 (.79-.91)	.27-.31 (.69-.79)	.24-.29 (.61-.74)	.22-.26 (.56-.66)	.19-.23 (.48-.58)	.18-.21 (.46-.53)	.62-.74 (1.57-1.88)
.44-.59 (1.12-1.50)	.36-.49 (.91-1.24)	.31-.42 (.79-1.07)	.29-.38 (.74-.97)	.26-.34 (.66-.86)	.23-.31 (.58-.79)	.21-.28 (.53-.71)	.75-.99 (1.90-2.51)
.59-.75 (1.50-1.90)	.49-.63 (1.24-1.60)	.42-.54 (1.07-1.37)	.38-.48 (.97-1.22)	.34-.43 (.86-1.09)	.31-.39 (.79-.99)	.28-.35 (.71-.89)	1.00-1.24 (2.54-3.15)
.75-.90 (1.90-2.29)	.63-.76 (1.60-1.93)	.54-.65 (1.37-1.65)	.48-.58 (1.22-1.47)	.43-.52 (1.09-1.32)	.39-.46 (.99-1.17)	.35-.42 (.89-1.07)	1.25-1.49 (3.17-3.78)
.90-1.07 (2.29-2.72)	.76-.89 (1.93-2.26)	.65-.77 (1.65-1.96)	.58-.67 (1.47-1.70)	.52-.60 (1.32-1.52)	.46-.54 (1.17-1.37)	.42-.49 (1.07-1.24)	1.50-1.74 (3.81-4.42)
1.07-1.22 (2.72-3.10)	.89-1.02 (2.26-2.59)	.77-.88 (1.96-2.24)	.67-.77 (1.70-1.96)	.60-.69 (1.52-1.75)	.54-.62 (1.37-1.57)	.49-.56 (1.24-1.42)	1.75-1.99 (4.44-5.05)
1.22-1.53 (3.10-3.89)	1.02-1.28 (2.59-3.25)	.88-1.10 (2.24-2.79)	.77-.96 (1.96-2.44)	.69-.86 (1.75-2.18)	.62-.77 (1.57-1.96)	.56-.71 (1.42-1.80)	2.00-2.49 (5.08-6.32)
1.53-1.83 (3.89-4.65)	1.28-1.53 (3.25-3.89)	1.10-1.32 (2.79-3.35)	.96-1.16 (2.44-2.95)	.86-1.03 (2.18-2.62)	.77-.93 (1.96-2.36)	.71-.85 (1.80-2.16)	2.50-2.99 (6.35-7.59)
1.83-2.14 (4.65-5.44)	1.53-1.79 (3.89-4.55)	1.32-1.54 (3.35-3.91)	1.16-1.35 (2.95-3.43)	1.03-1.20 (2.62-3.05)	.93-1.08 (2.36-2.74)	.85-.99 (2.16-2.51)	3.00-3.49 (7.62-8.86)
2.14-2.44 (5.44-6.20)	1.79-2.05 (4.55-5.21)	1.54-1.76 (3.91-4.47)	1.35-1.54 (3.43-3.91)	1.20-1.37 (3.05-3.48)	1.08-1.24 (2.74-3.15)	.99-1.13 (2.51-2.87)	3.50-3.99 (8.89-10.13)
2.44-2.75 (6.20-6.98)	2.05-2.30 (5.21-5.84)	1.76-1.98 (4.47-5.03)	1.54-1.74 (3.91-4.42)	1.37-1.55 (3.48-3.94)	1.24-1.39 (3.15-3.53)	1.13-1.27 (2.87-3.23)	4.00-4.49 (10.16-11.40)
2.75-3.06 (6.98-7.77)	2.30-2.56 (5.84-6.50)	1.98-2.20 (5.03-5.59)	1.74-1.93 (4.42-4.90)	1.55-1.72 (3.94-4.37)	1.39-1.55 (3.53-3.94)	1.27-1.41 (3.23-3.58)	4.50-4.99 (11.43-12.67)

*Note: *This chart is not to be used for Conduit Riser Grips. Refer to the chart for Conduit Riser multiple cable section. It is always recommended that, when multiple cables are installed in a pulling grip, the tail end be banded and tightly taped after installation on the cable bundle. See page Y-16 for end bands.*

Dimensions in Inches (mm)

Features and Benefits

Support Grips are used to hold the weight of electrical cable as it hangs in a vertical, sloping or horizontal position. Electrical cable must be supported, or its dead weight can cause excessive strain or pullout at the connections resulting in power failure. Support grips also absorb additional strain from flexure, vibration, expansion and contraction.

Kellems support grips listed in this catalog are made of high grade, non-magnetic tin-coated bronze strand. Stainless steel grips, made of alloy 302–304 series stainless are for severe service or unusual environmental conditions. For exceptional immunity to rust and corrosion with superior strength and flexibility for heavy duty support application in harsh environments available upon request; contact the factory.





Mesh Grip

- The positive action mesh grip is designed for light duty up to heavy duty; closed grips fit over the cable end, split grips wrap around the cable mid-span
- The endless weave provides easy installation onto cable and can be easily repositioned



Eye Styles

- Four eye styles available: single (shown), double, universal and offset
- Solid eye assemblies provide eye reinforcement at support hardware
- Each Kellems grip is designed to work on a specific range of cable diameters



Cable Identification

- Identification tag shows: catalog number, diameter range, agency approval and bar code
- The strand equalizer positions wires for equal loading throughout the entire grip length



Strand Equalizer

- Positions wires for equal loading throughout the entire grip length

Single Eye, Single Weave, Tin-Coated Bronze and Stainless Steel

IMPORTANT:

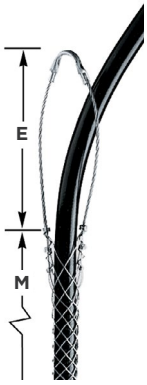
Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-33 and Y-34.

Single Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

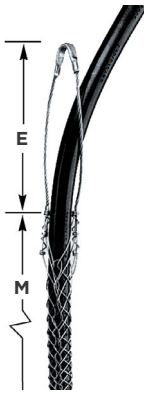
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	1,370	53	137	7" (17.78)	10" (25.40)	**02201013**	**02401013**
.63"-.74" (1.60-1.88)	790	2,060	79	206	8" (20.32)	10" (25.40)	**02201014**	**02401014**
.75"-.99" (1.90-2.51)	1,020	2,060	102	206	8" (20.32)	13" (33.02)	**02201015**	**02401015**
1.00"-1.24" (2.54-3.15)	1,610	2,678	161	268	9" (22.86)	14" (35.56)	**02201017**	**02401017**
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	10" (25.40)	15" (38.10)	**02201018**	**02401018**
1.50"-1.74" (3.81-4.42)	1,610	4,492	161	449	12" (30.48)	17" (43.18)	**02201019**	**02401019**
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	14" (35.56)	19" (48.26)	**02201020**	**02401020**
2.00"-2.49" (5.08-6.32)	3,260	8,940	326	894	16" (40.64)	21" (53.34)	**02201021**	**02401021**
2.50"-2.99" (6.35-7.59)	3,260	8,947	326	895	18" (45.72)	23" (58.42)	**02201022**	**02401022**
3.00"-3.49" (7.62-8.86)	4,900	13,420	490	1,342	21" (53.34)	25" (63.50)	**02201023**	**02401023**
3.50"-3.99" (8.89-10.13)	4,900	–	490	–	24" (60.96)	27" (68.58)	**02201024**	–



Single Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	1,370	53	137	7" (17.78)	10" (25.40)	**02202013**	**02402013**
.63"-.74" (1.60-1.88)	790	2,066	79	207	8" (20.32)	10" (25.40)	**02202014**	**02402014**
.75"-.99" (1.90-2.51)	1,020	2,060	102	206	8" (20.32)	13" (33.02)	**02202015**	**02402015**
1.00"-1.24" (2.54-3.15)	1,610	2,670	161	267	9" (22.86)	14" (35.56)	**02202017**	**02402017**
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	10" (25.40)	15" (38.10)	**02202018**	**02402018**
1.50"-1.74" (3.81-4.42)	1,610	4,490	161	449	12" (30.48)	17" (43.18)	**02202019**	**02402019**
1.75"-1.99" (4.44-5.05)	2,150	4,375	215	437	14" (35.56)	19" (48.26)	**02202020**	**02402020**
2.00"-2.49" (5.08-6.32)	3,260	8,947	326	895	16" (40.64)	21" (53.34)	**02202021**	**02402021**
2.50"-2.99" (6.35-7.59)	3,260	8,940	326	894	18" (45.72)	23" (58.42)	**02202022**	**02402022**
3.00"-3.49" (7.62-8.86)	4,900	13,420	490	1,342	21" (53.34)	25" (63.50)	**02202023**	**02402023**
3.50"-3.99" (8.89-10.13)	4,900	13,420	490	1,342	24" (60.96)	27" (68.58)	**02202024**	**02402024**



Single Eye, Split Mesh, Rod Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	790	1,050	79	105	7" (17.78)	8.5" (21.59)	**02203013**	**02403013**
.63"-.74" (1.60-1.88)	790	2,050	79	205	8" (20.32)	8.5" (21.59)	**02203014**	**02403014**
.75"-.99" (1.90-2.51)	1,020	2,050	102	205	8" (20.32)	10.5" (26.67)	**02203015**	**02403015**
1.00"-1.24" (2.54-3.15)	1,610	2,650	161	265	9" (22.86)	12.5" (31.75)	**02203017**	**02403017**
1.25"-1.49" (3.17-3.78)	1,610	4,500	161	450	10" (25.40)	14.5" (36.83)	**02203018**	**02403018**
1.50"-1.74" (3.81-4.42)	1,610	4,500	161	450	12" (30.48)	15.5" (39.37)	**02203019**	**02403019**
1.75"-1.99" (4.44-5.05)	2,150	6,000	215	600	14" (35.56)	16.5" (41.91)	**02203020**	**02403020**
2.00"-2.49" (5.08-6.32)	3,260	8,950	326	895	16" (40.64)	19.5" (49.53)	**02203021**	**02403021**
2.50"-2.99" (6.35-7.59)	3,260	7,750	326	775	18" (45.72)	21.5" (54.61)	**02203022**	**02403022**
3.00"-3.49" (7.62-8.86)	5,750	8,500	575	850	21" (53.34)	23.5" (59.69)	**02203023**	**02403023**
3.50"-3.99" (8.89-10.13)	5,750	–	575	–	24" (60.96)	25.5" (64.77)	**02203024**	–

Note: E-Eye length. M-Mesh length at nominal diameter.



Dimensions in Inches (mm)

Single Eye, Single Weave, Tin-Coated Bronze and Stainless Steel

IMPORTANT:

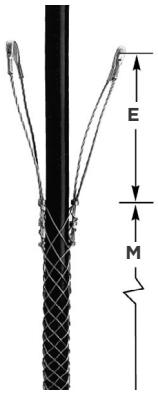
Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-33 and Y-34.

Double Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

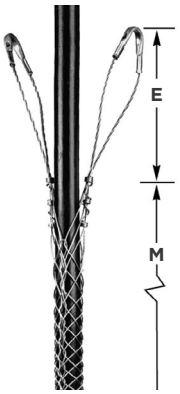
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	1,370	53	137	4" (10.16)	10" (25.40)	**02201001**	**02401001**
.63"-.74" (1.60-1.88)	790	2,060	79	206	4" (10.16)	10" (25.40)	**02201002**	**02401002**
.75"-.99" (1.90-2.51)	1,020	2,060	102	206	4" (10.16)	13" (33.02)	**02201003**	**02401003**
1.00"-1.24" (2.54-3.15)	1,610	2,670	161	267	5" (12.70)	14" (35.56)	**02201005**	**02401005**
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	5" (12.70)	15" (38.10)	**02201006**	**02401006**
1.50"-1.74" (3.81-4.42)	1,610	4,490	161	449	5" (12.70)	17" (43.18)	**02201007**	**02401007**
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	6" (15.24)	19" (48.26)	**02201008**	**02401008**
2.00"-2.49" (5.08-6.32)	3,260	8,940	326	894	6" (15.24)	21" (53.34)	**02201009**	**02401009**
2.50"-2.99" (6.35-7.59)	3,260	8,940	326	894	6" (15.24)	23" (58.42)	**02201010**	**02401010**
3.00"-3.49" (7.62-8.86)	4,900	12,000	490	1,200	8" (20.32)	25" (63.50)	**02201011**	**02401011**
3.50"-3.99" (8.89-10.13)	4,900	12,000	490	1,200	8" (20.32)	27" (68.58)	**02201012**	**02401012**



Double Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	–	53	–	4" (10.16)	10" (25.40)	**02202001**	–
.63"-.74" (1.60-1.88)	790	2,066	79	207	4" (10.16)	10" (25.40)	**02202002**	**02402002**
.75"-.99" (1.90-2.51)	1,020	2,060	102	206	4" (10.16)	13" (33.02)	**02202003**	**02402003**
1.00"-1.24" (2.54-3.15)	1,610	2,678	161	268	5" (12.70)	14" (35.56)	**02202005**	**02402005**
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	5" (12.70)	15" (38.10)	**02202006**	**02402006**
1.50"-1.74" (3.81-4.42)	1,610	3,750	161	375	5" (12.70)	17" (43.18)	**02202007**	**02402007**
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	6" (15.24)	19" (48.26)	**02202008**	**02402008**
2.00"-2.49" (5.08-6.32)	3,260	8,940	326	894	6" (15.24)	21" (53.34)	**02202009**	**02402009**
2.50"-2.99" (6.35-7.59)	3,260	–	326	–	6" (15.24)	23" (58.42)	**02202010**	–
3.00"-3.49" (7.62-8.86)	4,900	–	490	–	8" (20.32)	25" (63.50)	**02202011**	–
3.50"-3.99" (8.89-10.13)	4,900	–	490	–	8" (20.32)	27" (68.58)	**02202012**	–

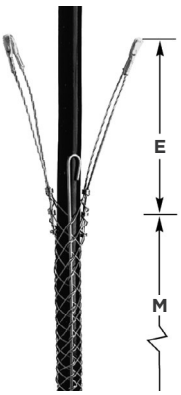


Double Eye, Split Mesh, Rod Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	790	–	79	–	4" (10.16)	6.5" (16.51)	**02203001**	–
.63"-.74" (1.60-1.88)	790	2,050	79	205	4" (10.16)	8.5" (21.59)	**02203002**	**02403002**
.75"-.99" (1.90-2.51)	1,020	2,050	102	205	4" (10.16)	10.5" (26.67)	**02203003**	**02403003**
1.00"-1.24" (2.54-3.15)	1,610	2,650	161	265	5" (12.70)	12.5" (31.75)	**02203005**	**02403005**
1.25"-1.49" (3.17-3.78)	1,610	3,750	161	375	5" (12.70)	14.5" (36.83)	**02203006**	**02403006**
1.50"-1.74" (3.81-4.42)	1,610	3,750	161	375	5" (12.70)	15.5" (39.37)	**02203007**	**02403007**
1.75"-1.99" (4.44-5.05)	2,150	5,000	215	500	6" (15.24)	16.5" (41.91)	**02203008**	**02403008**
2.00"-2.49" (5.08-6.32)	3,260	8,950	326	895	6" (15.24)	19.5" (49.53)	**02203009**	**02403009**
2.50"-2.99" (6.35-7.59)	3,260	8,950	326	895	6" (15.24)	21.5" (54.61)	**02203010**	**02403010**
3.00"-3.49" (7.62-8.86)	5,750	11,150	575	1,115	8" (20.32)	23.5" (59.69)	**02203011**	**02403011**
3.50"-3.99" (8.89-10.13)	5,750	–	575	–	8" (20.32)	25.5" (64.77)	**02203012**	–

Note: E-Eye length. M-Mesh length at nominal diameter.



Dimensions in Inches (mm)

Standard Duty Support Grips

Offset Eye, Single Weave, Tin-Coated Bronze and Stainless Steel

IMPORTANT:

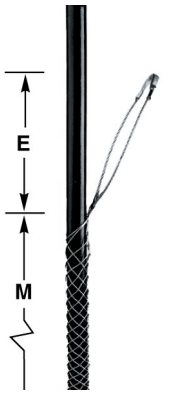
Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-33 and Y-34.

Offset Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

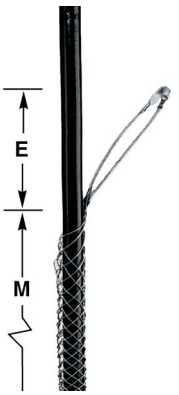
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	1,370	53	137	4" (10.16)	10" (25.40)	**02201037**	**02401037**
.63"-.74" (1.60-1.88)	750	1,950	75	195	4" (10.16)	10" (25.40)	**02201038**	**02401038**
.75"-.99" (1.90-2.51)	950	2,060	95	206	4" (10.16)	13" (33.02)	**02201039**	**02401039**
1.00"-1.24" (2.54-3.15)	1,500	2,678	150	268	5" (12.70)	14" (35.56)	**02201041**	**02401041**
1.25"-1.49" (3.17-3.78)	1,500	4,490	150	449	5" (12.70)	15" (38.10)	**02201042**	**02401042**
1.50"-1.74" (3.81-4.42)	1,500	3,700	150	370	5" (12.70)	17" (43.18)	**02201043**	**02401043**
1.75"-1.99" (4.44-5.05)	2,000	4,375	200	437	6" (15.24)	19" (48.26)	**02201044**	**02401044**
2.00"-2.49" (5.08-6.32)	3,100	5,500	310	550	9" (22.86)	21" (53.34)	**02201045**	**02401045**
2.50"-2.99" (6.35-7.59)	3,100	–	310	–	9" (22.86)	23" (58.42)	**02201046**	–
3.00"-3.49" (7.62-8.86)	3,800	–	380	–	11" (27.94)	25" (63.50)	**02201047**	–
3.50"-3.99" (8.89-10.13)	3,250	–	325	–	11" (27.94)	27" (68.58)	**02201048**	–



Offset Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	500	–	50	–	4" (10.16)	10" (25.40)	**02202037**	–
.63"-.74" (1.60-1.88)	750	1,952	75	195	4" (10.16)	10" (25.40)	**02202038**	**02402038**
.75"-.99" (1.90-2.51)	950	–	95	–	4" (10.16)	13" (33.02)	**02202039**	–
1.00"-1.24" (2.54-3.15)	1,500	–	150	–	5" (12.70)	14" (35.56)	**02202041**	–
1.25"-1.49" (3.17-3.78)	1,500	4,490	150	449	5" (12.70)	15" (38.10)	**02202042**	**02402042**
1.50"-1.74" (3.81-4.42)	1,500	–	150	–	5" (12.70)	17" (43.18)	**02202043**	–
1.75"-1.99" (4.44-5.05)	1,800	4,375	180	437	6" (15.24)	19" (48.26)	**02202044**	**02402044**
2.00"-2.49" (5.08-6.32)	2,150	5,500	215	550	9" (22.86)	21" (53.34)	**02202045**	**02402045**
2.50"-2.99" (6.35-7.59)	2,150	5,500	215	550	9" (22.86)	23" (58.42)	**02202046**	**02402046**
3.00"-3.49" (7.62-8.86)	3,250	10,190	325	1,019	11" (27.94)	25" (63.50)	**02202047**	**02402047**
3.50"-3.99" (8.89-10.13)	3,250	–	325	–	11" (27.94)	27" (68.58)	**02202048**	–

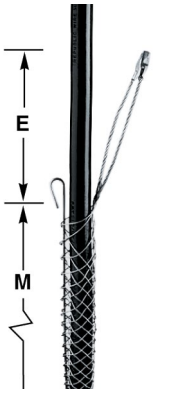


Offset Eye, Split Mesh, Rod Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	500	1,000	50	100	4" (10.16)	7" (17.78)	**02203037**	**02403037**
.63"-.74" (1.60-1.88)	750	1,950	75	195	4" (10.16)	9" (22.86)	**02203038**	**02403038**
.75"-.99" (1.90-2.51)	950	1,950	95	195	4" (10.16)	10" (25.40)	**02203039**	**02403039**
1.00"-1.24" (2.54-3.15)	1,500	2,500	150	250	5" (12.70)	12" (30.48)	**02203041**	**02403041**
1.25"-1.49" (3.17-3.78)	1,500	4,200	150	420	5" (12.70)	14" (35.56)	**02203042**	**02403042**
1.50"-1.74" (3.81-4.42)	1,500	4,500	150	450	5" (12.70)	15" (38.10)	**02203043**	**02403043**
1.75"-1.99" (4.44-5.05)	2,000	4,375	200	437	6" (15.24)	16" (40.64)	**02203044**	**02403044**
2.00"-2.49" (5.08-6.32)	3,100	8,350	310	835	9" (22.86)	19" (48.26)	**02203045**	**02403045**
2.50"-2.99" (6.35-7.59)	3,100	–	310	–	9" (22.86)	20" (50.80)	**02203046**	–
3.00"-3.49" (7.62-8.86)	4,300	8,400	430	840	11" (27.94)	21" (53.34)	**02203047**	**02403047**
3.50"-3.99" (8.89-10.13)	4,900	–	490	–	11" (27.94)	21" (53.34)	**02203048**	–

Note: E-Eye length. M-Mesh length at nominal diameter.



Dimensions in Inches (mm)

Universal Eye, Single Weave, Tin-Coated Bronze and Stainless Steel

IMPORTANT:

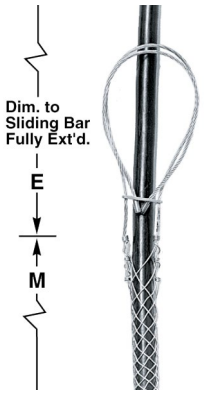
Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-33 and Y-34.

Universal Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	1,370	53	137	18" (45.72	10" (25.40)	**02201051**	**02401051**
.63"-.74" (1.60-1.88)	790	2,060	79	206	18" (45.72)	10" (25.40)	**02201052**	**02401052**
.75"-.99" (1.90-2.51)	1,020	2,066	102	207	18" (45.72)	13" (33.02)	**02201053**	**02401053**
1.00"-1.24" (2.54-3.15)	1,610	–	161	–	18" (45.72)	14" (35.56)	**02201050**	–
1.25"-1.49" (3.17-3.78)	1,610	4,490	161	449	18" (45.72)	15" (38.10)	**02201054**	**02401054**
1.50"-1.74" (3.81-4.42)	1,610	4,490	161	449	18" (45.72)	17" (43.18)	**02201055**	**02401055**
1.75"-1.99" (4.44-5.05)	2,150	–	215	–	18" (45.72)	19" (48.26)	**02201056**	–
2.00"-2.49" (5.08-6.32)	3,260	–	326	–	18" (45.72)	21" (53.34)	**02201057**	–
2.50"-2.99" (6.35-7.59)	3,260	–	326	–	18" (45.72)	23" (58.42)	**02201058**	–



Universal Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	530	–	53	–	18" (45.72	10" (25.40)	**02202050**	–
.63"-.74" (1.60-1.88)	790	2,060	79	206	18" (45.72)	10" (25.40)	**02202051**	**02402051**
.75"-.99" (1.90-2.51)	1,020	–	102	–	18" (45.72)	13" (33.02)	**02202052**	–
1.00"-1.24" (2.54-3.15)	1,610	–	161	–	18" (45.72)	14" (35.56)	**02202054**	–
1.25"-1.49" (3.17-3.78)	1,610	–	161	–	18" (45.72)	15" (38.10)	**02202055**	–
1.50"-1.74" (3.81-4.42)	1,610	–	161	–	18" (45.72)	17" (43.18)	**02202056**	–
1.75"-1.99" (4.44-5.05)	2,150	–	215	–	18" (45.72)	19" (48.26)	**02202057**	–
2.00"-2.49" (5.08-6.32)	3,260	–	326	–	18" (45.72)	21" (53.34)	**02202058**	–
2.50"-2.99" (6.35-7.59)	3,260	–	326	–	18" (45.72)	23" (58.42)	**02202059**	–
3.50"-3.99" (8.89-10.13)	4,900	–	490	–	18" (45.72)	27" (68.58)	**02202061**	–

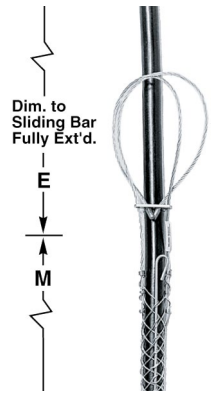


Universal Eye, Split Mesh, Rod Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.50"-.62" (1.27-1.57)	790	–	79	–	18" (45.72	8.5" (21.59)	**02203064**	–
.63"-.74" (1.60-1.88)	790	2,050	79	205	18" (45.72)	8.5" (21.59)	**02203065**	**02403065**
.75"-.99" (1.90-2.51)	1,020	2,050	102	205	18" (45.72)	10.5" (26.67)	**02203066**	**02403066**
1.00"-1.24" (2.54-3.15)	1,610	2,650	161	265	18" (45.72)	12.5" (31.75)	**02203068**	**02403068**
1.25"-1.49" (3.17-3.78)	1,610	4,500	161	450	18" (45.72)	14.5" (36.83)	**02203069**	**02403069**
1.50"-1.74" (3.81-4.42)	1,610	4,500	161	450	18" (45.72)	15.5" (39.37)	**02203070**	**02403070**
1.75"-1.99" (4.44-5.05)	2,150	–	215	–	18" (45.72)	16.5" (41.91)	**02203071**	–
2.00"-2.49" (5.08-6.32)	3,260	–	326	–	18" (45.72)	19.5" (49.53)	**02203072**	–
2.50"-2.99" (6.35-7.59)	3,260	–	326	–	18" (45.72)	21.5" (54.61)	**02203073**	–
3.00"-3.49" (7.62-8.86)	5,750	–	575	–	18" (45.72)	23.5" (59.69)	**02203074**	–

Note: E-Eye length. M-Mesh length at nominal diameter.



Dimensions in Inches (mm)

IMPORTANT:
Read all breaking strength, safety and technical data relating to this product.
Refer to pages Y-33 and Y-34.

Non-Metallic Support Grips

Offset Eye, Single Weave, Tin-Coated Bronze and Stainless Steel

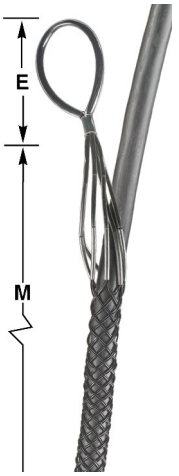
Kellems Non-Metallic Support Grips, made of a high strength double weave aramid fiber, are available for supporting cable in corrosive environments.

Non-Metallic Support Grips, Single Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Color Code	Catalog Number
.50"-.62" (1.27-1.57)	1,000	100	6.0" (15.24)	22" (55.88)	Green	**02601001**
.63"-.74" (1.60-1.88)	2,000	200	6.0" (15.24)	24" (60.96)	Yellow	**02601002**
.75"-.99" (1.90-2.51)	2,000	200	6.0" (15.24)	28.5" (72.39)	Red	**02601003**
1.00"-1.24" (2.54-3.15)	3,000	300	6.0" (15.24)	31" (78.74)	Blue	**02601004**
1.25"-1.49" (3.17-3.78)	3,000	300	6.0" (15.24)	36.5" (92.71)	White	**02601005**
1.50"-1.99" (3.81-5.05)	3,000	300	6.0" (15.24)	40" (101.60)	Pink	**02601006**

Note: Specified for corrosive applications.



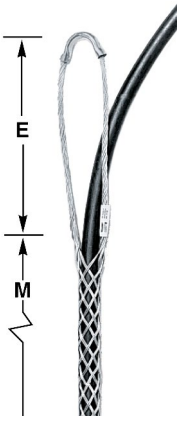
Heavy Duty Support Grips

Single Eye, Double Weave, Tin-Coated Bronze and Stainless Steel

Heavy Duty, Single Eye, Closed Mesh

For heavy duty permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.75"-.99" (1.90-2.51)	2,820	4,200	282	420	10" (25.40)	25" (63.50)	**02206010**	**02406010**
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	12" (30.48)	28" (71.12)	**02206011**	**02406011**
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	12" (30.48)	30" (76.20)	**02206012**	**02406012**
1.50"-1.99" (3.81-5.05)	4,280	11,150	428	1,115	12" (30.48)	34" (86.36)	**02206013**	**02406013**

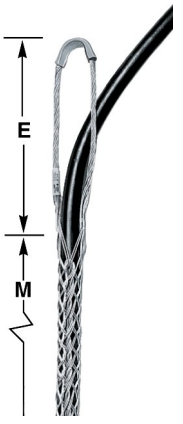


Single Eye, Split Mesh, Lace Closing

For permanent support when cable end is not available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.75"-.99" (1.90-2.51)	2,820	4,200	282	420	10" (25.40)	25" (63.50)	**02207010**	**02407010**
1.00"-1.24" (2.54-3.15)	4,280	7,300	428	730	12" (30.48)	28" (71.12)	**02207011**	**02407011**
1.25"-1.49" (3.17-3.78)	4,280	7,300	428	730	12" (30.48)	30" (76.20)	**02207012**	**02407012**
1.50"-1.99" (3.81-5.05)	4,280	11,150	428	1,115	12" (30.48)	34" (86.36)	**02207013**	**02407013**

Note: E-Eye length. M-Mesh length at nominal diameter.



Dimensions in Inches (mm)

Double Eye, Double Weave, Tin-Coated Bronze and Stainless Steel

IMPORTANT:

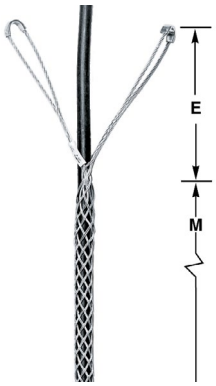
Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-33 and Y-34.

Double Eye, Closed Mesh

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.75″-.99″ (1.90-2.51)	2,820	4,250	282	425	10″ (25.40)	25″ (63.50)	**02206001**	**02406001**
1.00″-1.24″ (2.54-3.15)	4,280	7,300	428	730	10″ (25.40)	28″ (71.12)	**02206002**	**02406002**
1.25″-1.49″ (3.17-3.78)	4,280	7,300	428	730	10″ (25.40)	30″ (76.20)	**02206003**	**02406003**
1.50″-1.99″ (3.81-5.05)	4,280	11,100	428	1,110	10″ (25.40)	34″ (86.36)	**02206004**	**02406004**
2.00″-2.49″ (5.08-6.32)	8,050	20,100	805	2,010	12″ (30.48)	36″ (91.44)	**02206005**	**02406005**
2.50″-2.99″ (6.35-7.59)	8,050	20,100	805	2,010	12″ (30.48)	38″ (96.52)	**02206006**	**02406006**
3.00″-3.49″ (7.62-8.86)	10,060	25,200	1,006	2,520	12″ (30.48)	40″ (101.60)	**02206007**	**02406007**
3.50″-3.99″ (8.89-10.13)	12,070	—	1,207	—	12″ (30.48)	44″ (111.76)	**02206008**	—
4.00″-4.49″ (10.16-11.40)	12,070	—	1,207	—	12″ (30.48)	46″ (116.84)	**02206009**	—
4.50″-4.99″ (11.43-12.67)	12,070	—	1,207	—	12″ (30.48)	68″ (172.72)	**02208009**	—

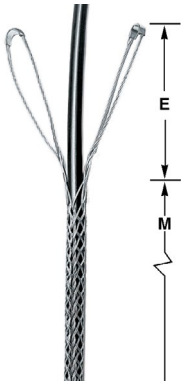


Double Eye, Split Mesh, Lace Closing

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.75″-.99″ (1.90-2.51)	2,820	4,250	282	425	10″ (25.40)	25″ (63.50)	**02207001**	**02407001**
1.00″-1.24″ (2.54-3.15)	4,280	7,300	428	730	10″ (25.40)	28″ (71.12)	**02207002**	**02407002**
1.25″-1.49″ (3.17-3.78)	4,280	7,300	428	730	10″ (25.40)	30″ (76.20)	**02207003**	**02407003**
1.50″-1.99″ (3.81-5.05)	4,280	11,150	428	1,110	10″ (25.40)	34″ (86.36)	**02207004**	**02407004**
2.00″-2.49″ (5.08-6.32)	8,050	20,150	805	2,010	12″ (30.48)	36″ (91.44)	**02207005**	**02407005**
2.50″-2.99″ (6.35-7.59)	8,050	20,150	805	2,010	12″ (30.48)	38″ (96.52)	**02207006**	**02407006**
3.00″-3.49″ (7.62-8.86)	10,060	25,200	1,006	2,520	12″ (30.48)	40″ (101.60)	**02207007**	**02407007**
3.50″-3.99″ (8.89-10.13)	12,070	30,200	1,207	3,020	12″ (30.48)	44″ (111.76)	**02207008**	**02407008**
4.00″-4.49″ (10.16-11.40)	12,070	30,200	1,207	3,020	12″ (30.48)	46″ (116.84)	**02207009**	**02407009**
4.50″-4.99″ (11.43-12.67)	12,070	—	1,207	—	12″ (30.48)	68″ (172.72)	**02209009**	—

Note: E-Eye length. M-Mesh length at nominal diameter.



Dimensions in Inches (mm)

Single Eye, Tin-Coated Bronze and Stainless Steel

IMPORTANT:

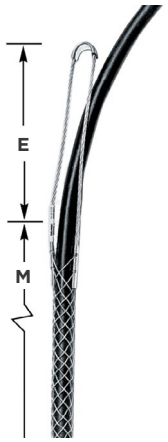
Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-33 and Y-34.

Light Duty, Single Eye, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed.

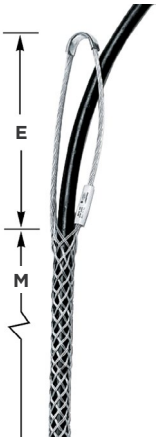
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.23"-.31" (.58-.79)	290	700	29	70	3" (7.62)	3.75" (9.52)	**02216001**	**02416001**
.29"-.37" (.74-.94)	290	700	29	70	5" (12.70)	4.25" (10.79)	**02216002**	**02416002**
.35"-.44" (.89-1.12)	500	850	50	85	5.5" (13.97)	4.75" (12.06)	**02216003**	**02416003**
.41"-.50" (1.04-1.27)	500	850	50	85	5.5" (13.97)	5" (12.70)	**02216004**	**02416004**
.46"-.56" (1.17-1.42)	660	850	66	85	6" (15.24)	5.25" (13.33)	**02216005**	**02416005**
.52"-.62" (1.32-1.57)	790	1,050	79	105	7" (17.78)	6.25" (15.87)	**02216006**	**02416006**
.58"-.68" (1.47-1.73)	790	1,050	79	105	7" (17.78)	6-1/2" (16.51)	**02216007**	**02416007**
.64"-.75" (1.63-1.90)	790	1,050	79	105	7" (17.78)	6.75" (17.14)	**02216008**	**02416008**
.70"-.81" (1.78-2.06)	790	2,050	79	205	7" (17.78)	7.25" (18.41)	**02216009**	**02416009**
.75"-.87" (1.90-2.21)	1,020	2,050	102	205	8" (20.32)	8" (20.32)	**02216010**	**02416010**
.81"-.94" (2.06-2.39)	1,020	2,050	102	205	8" (20.32)	8.25" (20.95)	**02216011**	**02416011**
.87"-1.00" (2.21-2.54)	1,020	—	102	—	8" (20.32)	8.75" (22.22)	**02216012**	—
.94"-1.06" (2.39-2.69)	1,020	2,050	102	205	9" (22.86)	9" (22.86)	**02216013**	**02416013**
1.00"-1.18" (2.54-3.00)	1,020	2,050	102	205	9" (22.86)	9.5" (24.13)	**02216014**	**02416014**
1.06"-1.25" (2.69-3.17)	1,020	2,050	102	205	9" (22.86)	9.5" (24.13)	**02216015**	**02416015**



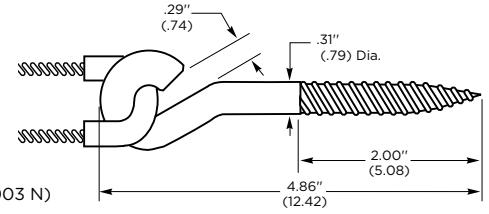
Heavy Duty, Single Eye, Closed Mesh, Multi-Weave

For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.		Working Load Lbs.		E Inches (cm)	M Inches (cm)	Tin-Coated Bronze	Stainless Steel
	Tin-Coated Bronze	Stainless Steel	Tin-Coated Bronze	Stainless Steel				
.23"-.31" (.58-.79)	500	1,400	50	140	5" (12.70)	4.5" (11.43)	**02217001**	**02417001**
.29"-.37" (.74-.94)	500	1,150	50	115	5" (12.70)	5.5" (13.97)	**02217002**	**02417002**
.35"-.44" (.89-1.12)	870	1,700	87	170	6" (15.24)	6.5" (16.51)	**02217003**	**02417003**
.41"-.50" (1.04-1.27)	870	1,700	87	170	6" (15.24)	7.5" (19.05)	**02217004**	**02417004**
.46"-.56" (1.17-1.42)	1,050	2,100	105	210	6" (15.24)	8" (20.32)	**02217005**	**02417005**
.52"-.62" (1.32-1.57)	1,050	2,100	105	210	7" (17.78)	8.5" (21.59)	**02217006**	**02417006**
.58"-.68" (1.47-1.73)	1,050	2,100	105	210	7" (17.78)	9.5" (24.13)	**02217007**	**02417007**
.64"-.75" (1.63-1.90)	1,390	4,161	139	416	7" (17.78)	9.5" (24.13)	**02217008**	**02417008**
.70"-.81" (1.78-2.06)	1,390	4,100	139	410	8" (20.32)	10.5" (26.67)	**02217009**	**02417009**
.75"-.87" (1.90-2.21)	1,390	—	139	—	8" (20.32)	10.5" (26.67)	**02217010**	—
.81"-.94" (2.06-2.39)	1,390	—	139	—	8" (20.32)	10.5" (26.67)	**02217011**	—
.87"-1.00" (2.21-2.54)	1,790	5,350	179	535	8" (20.32)	11.5" (29.21)	**02217012**	**02417012**
.94"-1.06" (2.39-2.69)	1,790	5,300	179	530	9" (22.86)	12.5" (31.75)	**02217013**	**02417013**
1.00"-1.18" (2.54-3.00)	1,790	5,300	179	530	9" (22.86)	13.5" (34.29)	**02217014**	**02417014**
1.06"-1.25" (2.69-3.17)	1,790	5,350	179	535	9" (22.86)	14.5" (36.83)	**02217015**	02417015



Note: E-Eye length. M-Mesh length at nominal diameter.



Screw Hook
Catalog Number **20303001**
Yield Strength 900 lbs (4003 N)

Dimensions in Inches (mm)

Universal Eye, Tin-Coated Bronze

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-33 and Y-34.

Light Duty, Universal Eye, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.23"-.31" (.58-.79)	290	29	9" (22.86)	3.75" (9.52)	**02216016**
.29"-.37" (.74-.94)	290	29	10" (25.40)	4.25" (10.79)	**02216017**
.35"-.44" (.89-1.12)	500	50	10" (25.40)	4.75" (12.06)	**02216018**
.41"-.50" (1.04-1.27)	500	50	11" (27.94)	5" (12.70)	**02216019**
.46"-.56" (1.17-1.42)	660	66	12" (30.48)	5.25" (13.33)	**02216020**
.52"-.62" (1.32-1.57)	790	79	13" (33.02)	6.25" (15.87)	**02216021**
.58"-.68" (1.47-1.73)	790	79	13" (33.02)	6.5" (16.51)	**02216022**
.64"-.75" (1.63-1.90)	790	79	13" (33.02)	6.75" (17.14)	**02216023**
.70"-.81" (1.78-2.06)	790	79	13" (33.02)	7.25" (18.41)	**02216024**
.75"-.87" (1.90-2.21)	1,020	102	14" (35.56)	8" (20.32)	**02216025**
.81"-.94" (2.06-2.39)	1,020	102	14" (35.56)	8.25" (20.95)	**02216026**
.87"-1.00" (2.21-2.54)	1,020	102	14" (35.56)	8.75" (22.22)	**02216027**
.94"-1.06" (2.39-2.69)	1,020	102	15" (38.10)	9" (22.86)	**02216028**
1.00"-1.18" (2.54-3.00)	1,020	102	15" (38.10)	9.5" (24.13)	**02216029**
1.06"-1.25" (2.69-3.17)	1,020	102	15" (38.10)	9.5" (24.13)	**02216030**



Heavy Duty, Universal Eye, Closed Mesh, Multi-Weave

For permanent support when cable end is available to be installed.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.23"-.31" (.58-.79)	500	50	11" (27.94)	4.5" (11.43)	**02217016**
.28"-.37" (.74-.94)	500	50	11" (27.94)	5.5" (13.97)	**02217017**
.35"-.44" (.89-1.12)	870	87	12" (30.48)	6.5" (16.51)	**02217018**
.41"-.50" (1.04-1.27)	870	87	12" (30.48)	7.5" (19.05)	**02217019**
.46"-.56" (1.17-1.42)	1,050	105	12" (30.48)	8" (20.32)	**02217020**
.52"-.62" (1.32-1.57)	1,050	105	13" (33.02)	8.5" (21.59)	**02217021**
.58"-.68" (1.47-1.73)	1,050	105	13" (33.02)	9.5" (24.13)	**02217022**
.64"-.75" (1.63-1.90)	1,390	139	13" (33.02)	9.5" (24.13)	**02217023**
.70"-.81" (1.78-2.06)	1,390	139	14" (35.56)	10.5" (26.67)	**02217024**
.75"-.87" (1.90-2.21)	1,390	139	14" (35.56)	10.5" (26.67)	**02217025**
.81"-.94" (2.06-2.39)	1,390	139	14" (35.56)	10.5" (26.67)	**02217026**
.87"-1.00" (2.21-2.54)	1,790	179	14" (35.56)	11.5" (29.21)	**02217027**
.94"-1.06" (2.39-2.69)	1,790	179	15" (38.10)	12.5" (31.75)	**02217028**
1.00"-1.18" (2.54-3.00)	1,790	179	15" (38.10)	13.5" (34.29)	**02217029**
1.06"-1.25" (2.69-3.17)	1,790	179	15" (38.10)	14.5" (36.83)	**02217030**



Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Bus Drop Support Grips

Single Eye, Universal Eye, Galvanized Steel

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-33 and Y-34.



Safety Spring

Maximum Deflection Inches/Lbs (cm/N)	Approx. Breaking Strength Lbs.	Working Load Lbs.	Length* Inches (cm)	Diameter Inches (cm)	Model Lbs. (N)	Catalog Number
2-3/4" at 40 lbs. (6.98 at 178)	500	50	8.25" (20.95)	.75" (1.90)	40 lb. spring (178)	**20302001**
3-1/8" at 80 lbs. (7.94 at 356)	850	85	8.25" (20.95)	1" (2.54)	80 lb. spring (356)	**20302002**

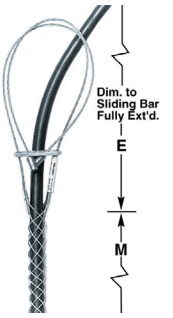
Note: Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.
**No load.*

Single Eye, Wide Range



Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.		E Inches (cm)	M Inches (cm)	Catalog Number
.24"-.32" (.61-.81)	350	35		3" (7.62)	3.5" (8.89)	**073041276****
.32"-.43" (.81-1.09)	450	45		4" (10.16)	4" (10.16)	**073041277**
.43"-.56" (1.09-1.42)	550	55		6" (15.24)	4.75" (12.06)	**073041278**
.56"-.73" (1.42-1.85)	1,000	100		7" (17.78)	6" (15.24)	**073041279**
.73"-.85" (1.85-2.16)	1,400	140		7" (17.78)	6.75" (17.14)	**073041280**
.85"-1.00" (2.16-2.54)	1,400	140		8" (20.32)	8" (20.32)	**073041281**
1.00"-1.25" (2.54-3.17)	1,500	150		9" (22.86)	9.5" (24.13)	**073041282**

Universal Eye, Wide Range

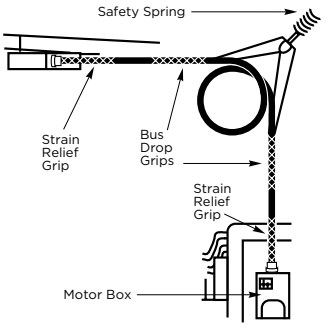


Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.		E Inches (cm)	M Inches (cm)	Catalog Number
.32"-.43" (.81-1.09)	450	45		10" (25.40)	4" (10.16)	**073041284**
.43"-.56" (1.09-1.42)	550	55		12" (30.48)	4.75" (12.06)	**073041285**
.56"-.73" (1.42-1.85)	1,000	100		13" (33.02)	6" (15.24)	**073041286**
.73"-.85" (1.85-2.16)	1,400	140		13" (33.02)	6.75" (17.14)	**073041287**
.85"-1.00" (2.16-2.54)	1,400	140		14" (35.56)	8" (20.32)	**073041288**
1.00"-1.25" (2.54-3.17)	1,500	150		15" (38.10)	9.5" (24.13)	**073041289**

Note: E-Eye length. M-Mesh length at nominal diameter.
***Item indicated is not UL Listed.*

Bus Drop Grips and Safety Springs

Kellems Bus Drop Grips are offered with either a single eye or universal bale attachment. The mesh is single weave galvanized steel with the patented wide range construction. They are suitable for indoor use only. Consult Technical Service for Stainless Steel Grips.



Application

Bus Drop Grips provide a safe, easy and economical method to support flexible cord or bus drop cable at bus duct and other industrial areas.

Benefits

- Easily installed
- Absorb tension, vibration and pull with no cable damage
- Patented mesh construction

Safety Spring

Springs can be used with single eye grips by disassembling drawbar from coil, placing through eye and replacing drawbar.

Dimensions in Inches (mm)

Single Weave, Closed Mesh

Kellems Conduit Riser Support Grips are available in closed mesh and in split mesh with lace or rod closures, to cover all applications including single cable or multiple wire support. Refer to page Y-37 for grip selection assistance for cable bundles. The standard material is tin-coated bronze strand. The grip is permanently fastened to a support ring, resulting in a one piece unit which will allow air ventilation within the conduit. The ring will fit standard electrical rigid metal conduit and schedule 40 rigid PVC conduit only. See page Y-32 for ring dimensions. For permanent support when cable end is available to be installed through the grip.

IMPORTANT:

Recommended safety factor is ten for catalog listed support grips.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-33 and Y-34.



Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.50"- .62" (1.27-1.57)	.63"-.74" (1.60-1.88)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"-1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50" -2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50"- 3.99" (8.89-10.13)
Model	R050	R062	R075	R100	R125	R150	R175	R200	R250	R300	R350
Length In. (cm)	8" (20.32)	9" (22.86)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	**Catalog Number** **Approx. Breaking Strength Lbs. (N)**										
3/4	**02211106** 530 (2,357)	–	–	–	–	–	–	–	–	–	–
1	**02211100** 490 (2,179)	**02211101** 790 (3,514)	–	–	–	–	–	–	–	–	–
1-1/4	**02211001** 450 (2,002)	**02211002** 740 (3,292)	**02211003** 1,030 (4,581)	–	–	–	–	–	–	–	–
1-1/2	–	**02211006** 690 (3,069)	**02211007** 970 (4,315)	**02211009** 1,610 (7,161)	–	–	–	–	–	–	–
2	–	**02211107** 640 (2,847)	**02211010** 920 (4,092)	**02211012** 1,520 (6,761)	**02211013** 1,610 (7,161)	–	–	–	–	–	–
2-1/2	–	–	–	–	**02211017** 1,510 (6,716)	**02211018** 1,610 (7,161)	**02211019** 2,150 (9,563)	–	–	–	–
3	–	–	–	**02211022** 1,340 (5,960)	**02211023** 1,400 (6,227)	**02211024** 1,490 (6,627)	**02211025** 1,990 (8,851)	**02211026** 3,260 (14,500)	–	–	–
3-1/2	–	–	–	–	–	–	–	**02211033** 2,970 (13,211)	**02211034** 3,260 (14,500)	–	–
4	–	–	–	–	–	–	**02211040** 1,670 (7,248)	**02211041** 2,680 (11,921)	**02211042** 2,890 (12,855)	**02211043** 4,080 (18,148)	–
5	–	–	–	–	–	–	–	–	**02211061** 2,150 (9,563)	**02211062** 2,860 (12,721)	**02211063** 3,130 (13,922)
6	–	–	–	–	–	–	–	–	–	**02211072** 2,245 (9,986)	**02211073** 2,245 (9,986)

Note: See page Y-37 for multiple cables in a single conduit riser grip.

Dimensions in Inches (mm)

Conduit Riser Grips

Double Weave, Split Mesh, Lace Closing

Kellems Conduit Riser Support Grips will support cable runs in vertical or sloping standard rigid conduit. The grip is fastened to a support ring which seats on the rim of the conduit. The entire grip is supported by the conduit itself and no other hardware is required. See page Y-32 for ring dimensions. The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only. For permanent support when cable end is not available.

IMPORTANT:

Recommended safety factor is ten for catalog listed support grips.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-33 and Y-34.



Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"- 1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50"- 2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50" -3.99" (8.89-10.13)
Model	RS075	RS100	RS125	RS150	RS175	RS200	RS250	RS300	RS350
Length In. (cm)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	Catalog Number Approx. Breaking Strength Lbs. (N)								
1-1/4	**02212003** 1,580 (7,028)	–	–	–	–	–	–	–	–
1-1/2	**02212007** 1,500 (6,672)	–	–	–	–	–	–	–	–
2	**02212010** 1,430 (6,361)	**02212012** 1,930 (8,585)	**02212013** 2,040 (9,074)	–	–	–	–	–	–
2-1/2	–	–	**02212017** 1,910 (8,496)	**02212018** 2,040 (9,074)	–	–	–	–	–
3	–	–	**02212023** 1,780 (7,917)	**02212024** 1,890 (8,407)	**02212025** 2,520 (11,209)	**02212026** 4,300 (19,126)	–	–	–
3-1/2	–	–	–	–	–	**02212033** 3,910 (17,392)	**02212034** 4,300 (19,126)	–	–
4	–	–	–	–	**02212040** 2,110 (9,385)	**02212041** 3,530 (15,701)	**02212042** 3,820 (16,991)	**02212043** 5,380 (23,930)	–
5	–	–	–	–	–	–	**02212061** 2,860 (12,721)	–	–
6	–	–	–	–	–	–	–	–	**02212073** 2,955 (13,144)

Note: See page Y-37 for multiple cables in a single conduit riser grip.

Dimensions in Inches (mm)

Single Weave, Split Mesh, Rod Closing

- Easy and fast to install
- Will not damage electrical cable
- Allows cable to expand or contract
- Ideal way to hold cable in vertical conduit
- Prevents cable creep in conduit
- Helps prevent cable pullouts
- The rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only
- For support when cable end is not available

IMPORTANT:

Recommended safety factor is ten for catalog listed support grips.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-33 and Y-34.



Suitable for Standard Electrical Rigid Metal Conduit and Schedule 40 Rigid PVC Conduit Only

Cable Sizes In. (cm)	.75"- .99" (1.90-2.51)	1.00"- 1.24" (2.54-3.15)	1.25"- 1.49" (3.17-3.78)	1.50"-1.74" (3.81-4.42)	1.75"- 1.99" (4.44-5.05)	2.00"- 2.49" (5.08-6.32)	2.50"- 2.99" (6.35-7.59)	3.00"- 3.49" (7.62-8.86)	3.50" -3.99" (8.89-10.13)
Model	RR075	RR100	RR125	RR150	RR175	RR200	RR250	RR300	RR350
Length In. (cm)	11" (27.94)	12" (30.48)	12" (30.48)	14" (35.56)	15" (38.10)	17" (43.18)	18" (45.72)	20" (50.80)	21" (53.34)
Conduit Sizes Inches	**Catalog Number Approx. Breaking Strength Lbs. (N)**								
1-1/4	02213003 1,020 (4,537)	–	–	–	–	–	–	–	–
1-1/2	02213007 970 (4,315)	02213009 1,610 (7,161)	–	–	–	–	–	–	–
2	–	02213012 1,520 (6,761)	02213013 1,610 (7,161)	–	–	–	–	–	–
2-1/2	–	–	02213017 1,510 (6,716)	02213018 1,610 (7,161)	–	–	–	–	–
3	–	–	02213023 1,400 (6,227)	02213024 1,490 (6,627)	02213025 1,990 (8,851)	02213026 3,260 (14,500)	–	–	–
3-1/2	–	–	–	–	–	02213033 2,970 (13,211)	–	–	–
4	–	–	–	–	–	02213041 2,670 (11,876)	02213042 2,890 (12,855)	–	–

Note: See page Y-37 for multiple cables in a single conduit riser grip.

Dimensions in Inches (mm)

Conduit Ring Dimensions

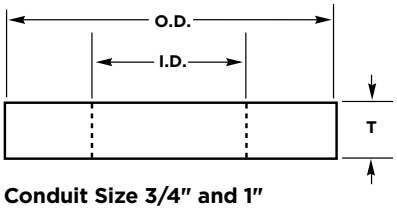
Ring dimensions are found in the chart below. The ring material is corrosion resistant. These rings will fit schedule 40 rigid PVC conduit and standard electrical rigid metal conduit only.

IMPORTANT:

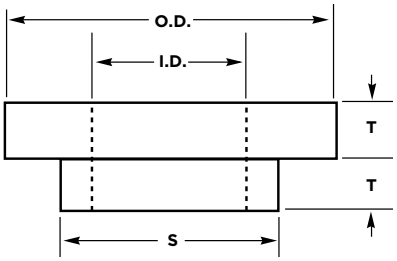
Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-33 and Y-34.

Conduit Size Inches	Ring Number	O.D. Inches (cm)	I.D. Inches (cm)	S Inches (cm)	T Inches (cm)
3/4	C-3/4	.94″ (2.39)	.62″ (1.57)	—	.19″ (.48)
1	C-1	1.17″ (2.97)	.80″ (2.03)	—	.19″ (.48)
1-1/4	C-1-1/4	1.50″ (3.81)	1.03″ (2.62)	1.31″ (3.33)	.16″ (.41)
1-1/2	C-1-1/2	1.76″ (4.47)	1.23″ (3.12)	1.52″ (3.86)	.16″ (.41)
2	C-2	2.23″ (5.66)	1.55″ (3.94)	1.97″ (5.00)	.16″ (.41)
2-1/2	C-2-1/2	2.67″ (6.78)	2.05″ (5.21)	2.40″ (6.10)	.16″ (.41)
3	C-3	3.20″ (8.13)	2.55″ (6.48)	2.97″ (7.54)	.22″ (.56)
3-1/2	C-3-1/2	3.80″ (9.65)	3.05″ (7.75)	3.47″ (8.81)	.22″ (.56)
4	C-4	4.30″ (10.92)	3.55″ (9.02)	3.94″ (10.01)	.22″ (.56)
4-1/2	C-4-1/2	4.80″ (12.19)	4.03″ (10.24)	4.45″ (11.30)	.22″ (.56)
5	C-5	5.30″ (13.46)	4.46″ (11.33)	4.96″ (12.60)	.22″ (.56)
6	C-6	6.30″ (16.00)	5.36″ (13.61)	5.96″ (15.14)	.25″ (.63)



Conduit Size 3/4″ and 1″



Conduit Size 1-1/4″ to 6″

Dimensions in Inches (mm)

Kellems Support Grips are used to hold the weight of electrical cable as it hangs in a vertical, sloping or horizontal position. Electrical cable must be supported, or its dead weight can cause excessive strain or pullout at the connections resulting in power failure. Support grips also absorb additional strain from flexure, vibration, expansion and contraction. Kellems Support Grips listed in this catalog are made of high grade, non-magnetic tin-coated bronze strand. Stainless steel grips, made of alloy 302–304 SST for severe service or unusual environmental conditions, are available on request.

Warning:

It is very important to read and understand all safety information before proceeding. Failure to use as directed may result in property damage, personal injury or death.

Select the Correct Support Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

Step 1 Refer to the Kellems chart below to determine the grip style best suited for your application.

Step 2 Determine your cable outside diameter.

Step 3 Find the grip size that encompasses your cable diameter.

Step 4 Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.

Step 5 Where available, select an eye style that suits your needs.

Step 6 Select the proper material—tinned bronze or stainless steel*.

Step 7 Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough.
Refer to page Y-34 for safety and working load considerations.

Grips are to be installed and utilized by a qualified technician in accordance with all applicable national and local safety and electrical codes. Consult a licensed project safety professional, if necessary.
Ensure that the correct grip is selected for your specific needs. Grips should only be used for their intended purpose and not for other applications.
Banding the tail end of the grip is required to prevent unintended release of the grip's hold from the cable and to achieve maximum gripping strength.
The strength of a Kellems grips is based on laboratory testing and does not evaluate variable conditions such as cable type, gripping surfaces, cable movement or impact loads. Suitability for the application must be determined by the user.
Thoroughly examine the condition of the grip prior to each use. Grips that are worn, bent, corroded, or show other signs of damage, such as frayed or broken wires, should never be used and must be replaced.
Do not modify the grip in any way.
Ensure that the recommended work load of the grip is suitable for the application. Never use a grip beyond its safe working load, which is the approximate breaking strength divided by the factor of safety. The recommended factor of safety is five (5) for pulling grips and ten (10) for support grips.
Pulling hardware should only be attached to the eye of the grip. A swivel is recommended for attachment to the grip's eye in applications where torque release is necessary. Torque can build up in high tension pulling applications.
Do not run grips and swivels around sheaves or bull wheels while under tension.
For synthetic rope, use Kellems Dua-Pull Grips only.

Support Grip Selection Chart

Grip Styles	Application
Closed mesh	Standard, permanent support, cable end available.
Split lace closing	Standard, permanent support, cable end unavailable.
Split rod closing	Standard, temporary support, cable end unavailable. Tape or band tail end of wire mesh grip after positioning for permanent support.
Material*	Tin-coated bronze standard or stainless steel by special request.
Standard support grips	Support vertical runs to 99 ft. loads to 600 lbs.
Heavy duty grips	Support vertical runs over 100 ft. loads over 600 lbs.
Service drop	Light duty to support service entrance cable.
Bus drop	Light duty support, indoors only, on Bus drop cable.
Conduit riser	Support cable runs in rigid (Schedule 40) conduit.
Fiber optic cable support grips	Support fiber optic cable.

*Note: *Most catalog listed support grips are made of tin-coated bronze strand. To order stainless steel support grips, change the first three catalog number digits from 022-0X-xxx to 024-0X-xxx. Consult Technical Service for details.*

Eye Styles


Single


Double


Universal


Offset

Safety and Working Load Factors for Wire Mesh Grips

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known, or where risk of injury to persons or property is involved, a greater safety factor should be utilized. Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained, and inspected by the user at a frequency appropriate for the use and condition of the grip.

IMPORTANT:

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Recommended Load Lbs. (N)	Catalog Number
Pulling Grips	27,200 (120,986)	5	5,440 (24,197)	**03301027**
Support Grips	1,610 (7,161)	10	161 (716)	**02202019**

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.
It is the end-user's decision to determine how much of a safety factor is acceptable for the application.
The metric unit of measure (force) for breaking strength and load is newtons (N). To convert from newtons to the metric unit of weight (kilograms) the conversion factor is 9.808 newtons/kilogram.

Support Grip Materials

Material	Features	Grip Type
Tin-coated bronze wire	Corrosion resistant for normal outside areas Non-magnetic Moderate strength	Support grips Service drop grips Conduit riser grips
Stainless steel wire (302-304)	High strength Corrosion resistant	Support grips Hose containment grips
Galvanized steel wire	Slightly magnetic Not subject to continuous outside environment	Bus drop grips
Non-metallic aramid fiber	Corrosion resistant for highly corrosive gases	Support grips

Approvals

CSA Certifications are indicated on appropriate product catalog pages.

Note: It is always recommended that the tail end of the grip be banded after the installation on the cable to prevent accidental release of the mesh.
See page Y-16 for end bands.

Dimensions in Inches (mm)

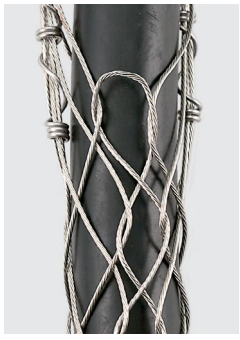
Split Support Grip Lace Closing Instructions

Single Weave Grips should be laced with single strand lacing; double weave with double strand. Lacing strands should be the same material as the grip. Kellems supplies the appropriate lacing with each grip.

- Start the lacing at the lead or anchoring end of the grip. Thread the lacings through the first two loops of the split and pull through until the lacings are centered at this point. Lace as you would your shoe, crossing the lacings before lacing the next two loops.
- Don't pull lacing too tight. Leave a space between adjoining loops approximately equal to the width of one diamond of the mesh.
- Twist the lacing strands tightly together at the tail end of the grip.
- Wrap the ends of the lacings once or twice tightly around the tail of the grip, twisting the ends together securely. Excess lace can be cut off.







The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

- **Fast to install**

  Wrap the grip around the cable and thread the rod through the pre-formed loops with a corkscrew motion, using the curved end of the rod to engage the loops.

- The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.

- To remove, simply pull the rod out.



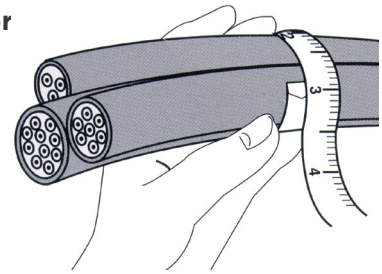



For Support Grips Only*

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameter

How to choose the correct grip size:

- Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).
- Divide the bundle circumference by 3.14 to determine the diameter.
- Choose a grip offering a range of cable diameters the same as the cable diameter.



For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right. If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips.
Example: 3 cables, each with .89" (2.26) diameter, for a Closed Grip select the 1.50"-1.74" (3.81-4.42) range, for a Split Grip select the 1.75"-1.99" (4.44-5.05) range.

Number of Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.30-.38 (.76-.97)	.25-.31 (.63-.79)	.22-.27 (.56-.69)	.19-.24 (.48-.61)	.17-.22 (.43-.56)	.15-.19 (.38-.48)	.14-.18 (.36-.46)	.50-.61 (1.27-1.55)
.38-.44 (.97-1.12)	.31-.36 (.79-.91)	.27-.31 (.69-.79)	.24-.29 (.61-.74)	.22-.26 (.56-.66)	.19-.23 (.48-.58)	.18-.21 (.46-.53)	.62-.74 (1.57-1.88)
.44-.59 (1.12-1.50)	.36-.49 (.91-1.24)	.31-.42 (.79-1.07)	.29-.38 (.74-.97)	.26-.34 (.66-.86)	.23-.31 (.58-.79)	.21-.28 (.53-.71)	.75-.99 (1.90-2.51)
.59-.75 (1.50-1.90)	.49-.63 (1.24-1.60)	.42-.54 (1.07-1.37)	.38-.48 (.97-1.22)	.34-.43 (.86-1.09)	.31-.39 (.79-.99)	.28-.35 (.71-.89)	1.00-1.24 (2.54-3.15)
.75-.90 (1.90-2.29)	.63-.76 (1.60-1.93)	.54-.65 (1.37-1.65)	.48-.58 (1.22-1.47)	.43-.52 (1.09-1.32)	.39-.46 (.99-1.17)	.35-.42 (.89-1.07)	1.25-1.49 (3.17-3.78)
.90-1.07 (2.29-2.72)	.76-.89 (1.93-2.26)	.65-.77 (1.65-1.96)	.58-.67 (1.47-1.70)	.52-.60 (1.32-1.52)	.46-.54 (1.17-1.37)	.42-.49 (1.07-1.24)	1.50-1.74 (3.81-4.42)
1.07-1.22 (2.72-3.10)	.89-1.02 (2.26-2.59)	.77-.88 (1.96-2.24)	.67-.77 (1.70-1.96)	.60-.69 (1.52-1.75)	.54-.62 (1.37-1.57)	.49-.56 (1.24-1.42)	1.75-1.99 (4.44-5.05)
1.22-1.53 (3.10-3.89)	1.02-1.28 (2.59-3.25)	.88-1.10 (2.24-2.79)	.77-.96 (1.96-2.44)	.69-.86 (1.75-2.18)	.62-.77 (1.57-1.96)	.56-.71 (1.42-1.80)	2.00-2.49 (5.08-6.32)
1.53-1.83 (3.89-4.65)	1.28-1.53 (3.25-3.89)	1.10-1.32 (2.79-3.35)	.96-1.16 (2.44-2.95)	.86-1.03 (2.18-2.62)	.77-.93 (1.96-2.36)	.71-.85 (1.80-2.16)	2.50-2.99 (6.35-7.59)
1.83-2.14 (4.65-5.44)	1.53-1.79 (3.89-4.55)	1.32-1.54 (3.35-3.91)	1.16-1.35 (2.95-3.43)	1.03-1.20 (2.62-3.05)	.93-1.08 (2.36-2.74)	.85-.99 (2.16-2.51)	3.00-3.49 (7.62-8.86)
2.14-2.44 (5.44-6.20)	1.79-2.05 (4.55-5.21)	1.54-1.76 (3.91-4.47)	1.35-1.54 (3.43-3.91)	1.20-1.37 (3.05-3.48)	1.08-1.24 (2.74-3.15)	.99-1.13 (2.51-2.87)	3.50-3.99 (8.89-10.13)
2.44-2.75 (6.20-6.98)	2.05-2.30 (5.21-5.84)	1.76-1.98 (4.47-5.03)	1.54-1.74 (3.91-4.42)	1.37-1.55 (3.48-3.94)	1.24-1.39 (3.15-3.53)	1.13-1.27 (2.87-3.23)	4.00-4.49 (10.16-11.40)
2.75-3.06 (6.98-7.77)	2.30-2.56 (5.84-6.50)	1.98-2.20 (5.03-5.59)	1.74-1.93 (4.42-4.90)	1.55-1.72 (3.94-4.37)	1.39-1.55 (3.53-3.94)	1.27-1.41 (3.23-3.58)	4.50-4.99 (11.43-12.67)

*Note: *This chart is to be used for determining grip size when multiple cables are held in a single Support Grip. For Conduit Riser multiple cable selection, see page Y-37.*
It is always recommended that, when multiple cables are installed in a Support Grip, the tail end of the grip be banded after installation on the cable bundle.
See page Tech-23 for cable and wire charts.

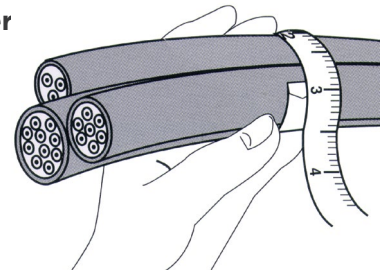
Dimensions in Inches (mm)

For Conduit Riser Grips Only*

Multiple Cable Selection Charts for Cables and Wires of Unequal Diameter

How to choose the correct grip size:

- Find the Grip Circumference Range by measuring the circumference of the bundle of different diameter cables to be gripped (see illustration).
- Divide the bundle circumference by 3.14 to determine the diameter.
- Choose a grip offering a range of cable diameters the same as the cable diameter.



For Cables of Equal Diameters

Under "Number of Cables in One Grip", find the diameter of your single cable in vertical column. Read the grip diameter range to the right. If your diameter is the maximum of the range shown, go to the next larger size for Split Grips, stay with the same size for Closed Grips. **Example**: 3 cables, each with .89" (2.26) diameter, for a Closed Grip select the 1.50"-1.74" (3.81-4.42) range, for a Split Grip select the 1.75"-1.99" (4.44-5.05) range.

Number of Equal Diameter Cables in One Grip

2	3	4	5	6 and 7	8	9	Grip Dia. Range Inches (cm)
.29-.36 (.74-.91)	.24-.30 (.61-.76)	.21-.25 (.53-.63)	.18-.22 (.46-.56)	.16-.20 (.41-.51)	.15-.18 (.38-.46)	.14-.17 (.36-.43)	.50-.62 (1.27-1.57)
.37-.43 (.94-1.09)	.31-.36 (.79-.91)	.26-.30 (.66-.76)	.23-.27 (.58-.69)	.21-.24 (.53-.61)	.19-.22 (.48-.56)	.18-.20 (.46-.51)	.63-.74 (1.60-1.88)
.44-.58 (1.12-1.47)	.37-.48 (.94-1.22)	.31-.41 (.79-1.04)	.28-.36 (.71-.91)	.25-.32 (.63-.81)	.23-.29 (.58-.74)	.21-.27 (.53-.69)	.75-.99 (1.90-2.51)
.59-.72 (1.50-1.83)	.49-.60 (1.24-1.52)	.42-.51 (1.07-1.30)	.37-.45 (.94-1.14)	.33-.40 (.84-1.02)	.30-.36 (.76-.91)	.28-.34 (.71-.86)	1.00-1.24 (2.54-3.15)
.73-.87 (1.85-2.21)	.61-.72 (1.55-1.83)	.52-.61 (1.32-1.55)	.46-.54 (1.17-1.37)	.41-.48 (1.04-1.22)	.37-.43 (.94-1.09)	.35-.40 (.89-1.02)	1.25-1.49 (3.17-3.78)
.88-1.01 (2.24-2.57)	.73-.85 (1.85-2.16)	.62-.71 (1.57-1.80)	.55-.63 (1.40-1.60)	.49-.56 (1.24-1.42)	.44-.51 (1.12-1.30)	.41-.47 (1.04-1.19)	1.50-1.74 (3.81-4.42)
1.02-1.16 (2.59-2.95)	.86-.96 (2.18-2.44)	.72-.81 (1.83-2.06)	.64-.72 (1.63-1.83)	.57-.64 (1.45-1.63)	.52-.58 (1.32-1.49)	.48-.54 (1.22-1.37)	1.75-1.99 (4.44-5.05)
1.17-1.44 (2.97-3.66)	.97-1.20 (2.46-3.05)	.82-1.02 (2.08-2.59)	.73-.90 (1.85-2.29)	.65-.80 (1.65-2.03)	.59-.72 (1.50-1.83)	.55-.67 (1.40-1.70)	2.00-2.49 (5.08-6.32)
1.45-1.73 (3.68-4.39)	1.21-1.45 (3.07-3.68)	1.03-1.22 (2.62-3.10)	.91-1.08 (2.31-2.74)	.81-.96 (2.06-2.44)	.73-.87 (1.85-2.21)	.68-.81 (1.73-2.06)	2.50-2.99 (6.35-7.59)
1.74-2.02 (4.42-5.13)	1.46-1.69 (3.71-4.29)	1.23-1.43 (3.12-3.63)	1.09-1.26 (2.77-3.20)	.97-1.11 (2.46-2.82)	.83-1.01 (2.11-2.57)	.82-.94 (2.08-2.39)	3.00-3.49 (7.62-8.86)
2.03-2.31 (5.16-5.87)	1.70-1.93 (4.32-4.90)	1.44-1.63 (3.66-4.14)	1.27-1.44 (3.23-3.66)	1.12-1.27 (2.84-3.23)	1.02-1.15 (2.59-2.92)	.95-1.08 (2.41-2.74)	3.50-3.99 (8.89-10.13)

*Note: *This chart is to be used for determining grip size when multiple cables are held in a single Conduit Riser Grip. For Support Grip multiple cable selection, see page Y-36.*
It is always recommended that, when multiple cables are installed in a Conduit Riser Grip, the tail end of the grip be banded after installation on the cable bundle.
See page Tech-23 for cable and wire charts.

Dimensions in Inches (mm)

Fiber Optic Pulling Grips

Features and Benefits

Kellems has wide experience with grips for use with fiber optic cable. As the industry leader in producing wire mesh grips for the stringent requirements of fiber optic applications, Kellems has developed several series of grips for use with fiber optic communications cable.

These grips include pulling grips with built in swivels, grips with steel ends to protect fragile cable ends, grips with low profiles to pull cables in tight places and the OPTISOK an effective tool to place pre-terminated cables. Also available are grips to support fiber optic cable.





Non-Metallic

- OPTISOK non-metallic fiber optic pulling tool for pre-terminated, inside plant fiber optic cables and bundles of twisted pair



Eye Styles

- Hubbell offers a full line of fiber optic pulling grips for all application needs
- OPTISOK Grip is a revolutionary tool to pull pre-terminated fiber optic cables
- They will protect the connectors and guide the bundle through the pulling environment



Galvanized Steel

- Kellems flexible eye pulling grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures
- They will fit single cables or cable bundles, are easily installed on the cable and are reusable

For Pre-Terminated, Inside Plant Fiber Optic Cables and Bundles of Twisted Pair

Kellems offers a unique and simple to use tool for the installation of pre-connectorized fiber optic cables, jumpers and bundles of twisted pair communication cables - the OPTISOK.

The OPTISOK is a highly flexible and expandable non-metallic sleeve open on one end and with a pulling ring on the other. It will expand to enclose the larger group of fiber optic connectors and grab the cable below the connector bundle by wrapping and taping to provide a gripping tool that will grab the cable(s) below the connectors. The pulling ring can be attached to a pulling line or fish tape and the OPTISOK will act as the pulling tool.

OPTISOK will contain and protect the connector bundle and save time and labor by making the pulling job easier, protecting the connectors from possible damage during the pull and facilitating the passage of the connector bundle through cramped and tight spaces. The OPTISOK can be used to pull cables through plenums, underfloor duct, office partitions, raised access floors and conduits. Three sizes are available for all applications.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to page Y-44.



OPTISOK Non-Metallic Fiber Optic Pulling Tool

Bundle/Size Range Inches (cm)	Maximum Work Load Lbs.	Approx. O/A Length Inches (cm)	Ring O.D. Inches (cm)	Ring Thickness Inches (cm)	Catalog Number
.125"-.562" (.318-1.427)	30	28" (71.12)	.71" (1.803)	.10" (.254)	**CCPS1**
.250"-.750" (.635-1.905)	40	31" (78.74)	.71" (1.803)	.10" (.254)	**CCPS2**
.750"-1.750" (1.905-4.445)	50	33" (83.82)	1.57" (3.988)	.16" (.406)	**CCPS3**

How to Select OPTISOK

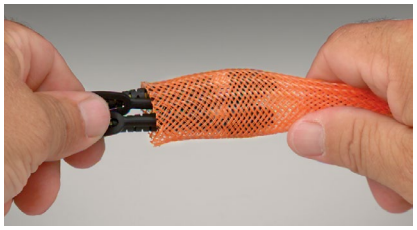
- Identify connector bundle diameter to be inserted into the OPTISOK.
- Choose appropriate catalog number based on size range.

Installation Information

Step 1 Expand open end of OPTISOK and gently work in fiber optic connector bundle.
Step 2 Still gently, work connector bundle up to the forward section of the OPTISOK.
Step 3 Starting at approximately 6" (15.2cm) from tail end of OPTISOK, tightly fold over the OPTISOK around cables and tape wrapped section 3" (7.62cm) past tail end onto the bundle.
Step 4 Securely attach pulling line or tape to pulling ring.

Note: To remove OPTISOK carefully unwrap tape and slide out cables and connectors or cut OPTISOK away without damaging connectors or cables.

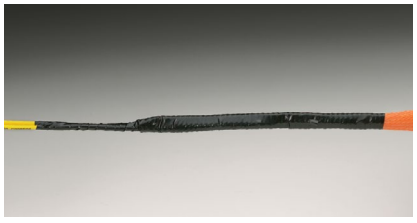
Step 1



Step 2



Step 3



Step 4



Dimensions in Inches (mm)

For Other Outside Plant Cables, Swivel Eye, Flexible Eye, Split Style, Low Profile

Kellems Pulling Grips for fiber optic cable are made of high strength galvanized steel strand. They feature a multiweave mesh, with one-half the mesh length double weave, and the second half single weave. This special weave provides positive holding power while allowing the grip to remain flexible with no damage to the cable jacket. Added features include a steel nose cone which protects the cable end and allows the grip to pass easily through conduit and enclosures. The eye connects easily to a swivel or a pulling line. Several grip sizes are available to accommodate all diameters of fiber optic cable.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

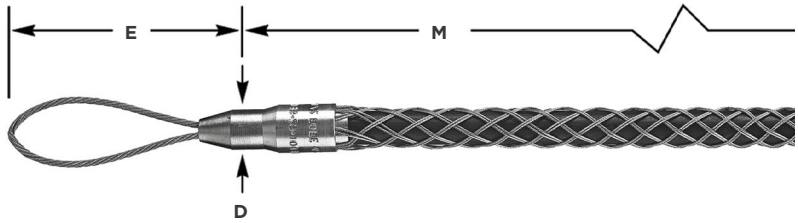
Refer to page Y-44.

Application

Kellems Flexible Eye Pulling Grips for fiber optic cable are used for the installation of fiber optic communication lines either underground, overhead, through conduit or through enclosures. They will fit single cables or cable bundles, are easily installed on the cable and are reusable.

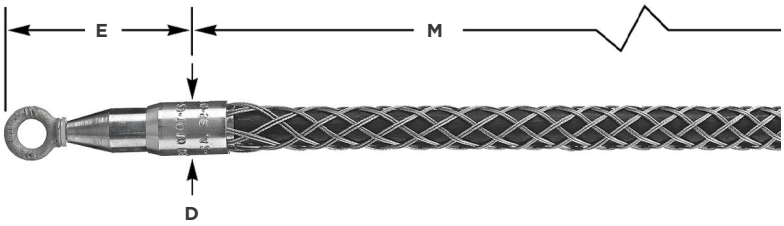
Benefits

- High strength multiweave mesh for positive holding power
- Highly flexible mesh to follow the pulling path of the cable
- Steel nose cone reduces snags and hang-ups and protects cable end
- Easily installed and removed
- A dependable, reusable pulling tool



Fiber Optic Pulling Grip, Flexible Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	D Approx. Inches (cm)	Catalog Number
.10″-.22″ (.25-.56)	1,000	200	5.5″ (14)	9″ (23)	0.8″ (2)	**033291000**
.21″-.35″ (.53-.89)	1,500	300	5.5″ (14)	14″ (36)	0.8″ (2)	**033291001**
.32″-.48″ (.81-1.22)	2,200	440	6.0″ (15)	18″ (46)	0.9″ (2.29)	**033291002**
.42″-.61″ (1.07-1.55)	2,800	560	6.0″ (15)	21″ (53)	0.9″ (2.29)	**033291003**
.53″-.74″ (1.35-1.88)	3,300	660	6.5″ (17)	24″ (61)	1.3″ (3.30)	**033291004**
.64″-.87″ (1.63-2.21)	4,700	940	6.5″ (17)	27″ (69)	1.3″ (3.30)	**033291005**



Fiber Optic Pulling Grip, Swivel Eye

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	D Approx. Inches (cm)	Catalog Number
.21″-.35″ (.53-.89)	1,500	300	4.0″ (10.16)	14″ (35.56)	0.9″ (2.29)	**033291008**
.32″-.48″ (.81-1.22)	2,200	440	4.0″ (10.16)	18″ (45.72)	0.9″ (2.29)	**033291009**
.42″-.61″ (1.07-1.55)	2,800	560	4.0″ (10.16)	21″ (53.34)	0.9″ (2.29)	**033291010**
.53″-.74″ (1.35-1.88)	3,250	650	4.8″ (12.19)	24″ (60.96)	1.3″ (3.30)	**033291011**
.64″-.87″ (1.63-2.21)	4,700	940	4.8″ (12.19)	27″ (68.58)	1.3″ (3.30)	**033291012**

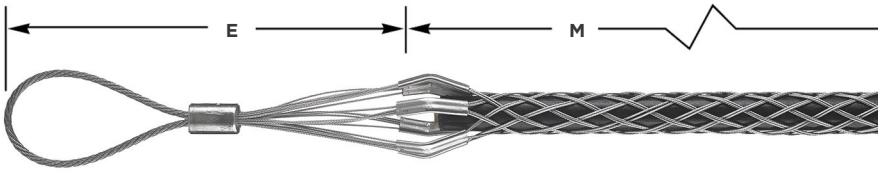
Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

IMPORTANT:

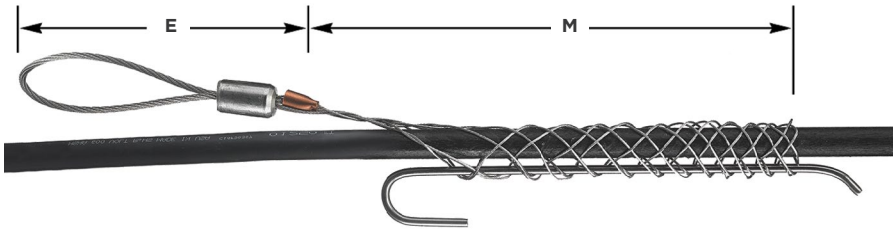
Read all breaking strength, safety and technical data relating to this product.

Refer to page Y-44.



Fiber Optic Pulling Grip, Flexible Eye, Low Profile, Double/Single Weave Mesh

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.10″-.22 (.25-.56)	900	180	7.5″ (19)	10″ (25)	**033291193**
.21″-.35″ (.53-.89)	1,400	280	7.5″ (19)	14″ (36)	**033291194**
.32″-.48″ (.81-1.22)	2,000	400	8.5″ (22)	19″ (48)	**033291195**
.42″-.61″ (1.07-1.55)	2,500	500	8.5″ (22)	21″ (53)	**033291196**
.53″-.74″ (1.35-1.88)	3,000	600	8.5″ (22)	23″ (58)	**033291197**
.64″-.87″ (1.63-2.21)	4,200	840	8.5″ (22)	25″ (64)	**033291198**
.75″-1.00″ (1.90-2.54)	4,200	840	8.5″ (22)	28″ (71)	**033291199**



Fiber Optic Slack Pulling Grip, Split Mesh, Rod Closing, Single Weave

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.25″-.37″ (.63-.94)	300	60	3″ (7.6)	4.7″ (12)	**033291015**
.38″-.49″ (.97-1.24)	800	160	3″ (7.6)	5″ (13)	**033291016**
.50″-.61″ (1.27-1.55)	800	160	3″ (7.6)	7.5″ (19)	**033291017**
.62″-.74″ (1.57-1.88)	1,200	240	3″ (7.6)	8″ (20)	**033291018**

Note: E-Eye length. M-Mesh length at nominal diameter.

Dimensions in Inches (mm)

Support Grips for Fiber Optic Cable

Kellems Support Grips for fiber optic cable are specially designed to hold the cable weight as it hangs in a vertical or horizontal position. Fiber optic cable must be supported and Kellems Grips provide the support easily and economically. These grips are made of high grade, non-magnetic tin-coated bronze strand. They are offered in universal bale or single eye configurations and are available in either closed mesh (for use where the cable end is available) or in split mesh, rod closing (for installation on existing cable runs or at specific locations).

IMPORTANT:

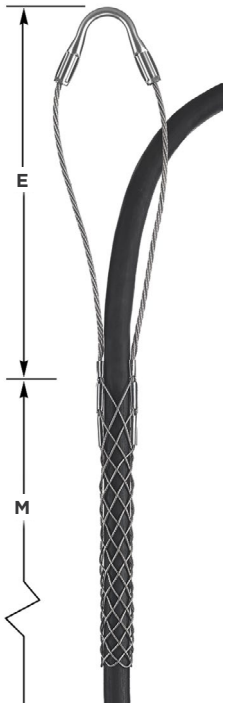
Read all breaking strength, safety and technical data relating to this product.

Refer to page Y-44.

Fiber Optic Single Eye Cable Support Grip, Closed Mesh, Single Weave

For permanent support when cable end is available to be installed through grip.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.18"-.25" (.46-.63)	300	30	3" (7.6)	1.7" (4.3)	**022291000**
.23"-.32" (.58-.81)	300	30	3" (7.6)	2.5" (6.4)	**022291001**
.30"-.39" (.76-.99)	300	30	4" (10)	2.5" (6.4)	**022291002**
.37"-.48" (.94-1.22)	300	30	5" (13)	4" (10)	**022291003**
.46"-.58" (1.17-1.47)	400	40	6" (15)	4" (10)	**022291004**
.56"-.71" (1.42-1.80)	600	60	7" (18)	5.5" (14)	**022291005**
.69"-.88" (1.75-2.24)	800	80	8" (20)	6" (15)	**022291006**

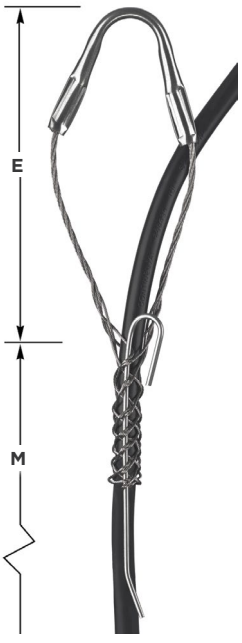


Fiber Optic Single Eye Cable Support Grip, Split Mesh, Rod Closing, Single Weave

For support when cable end not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Approx. Inches (cm)	M Approx. Inches (cm)	Catalog Number
.18"-.25" (.46-.63)	300	30	3" (7.6)	2.5" (6.4)	**022291016**
.23"-.32" (.58-.81)	300	30	3" (7.6)	2.5" (6.4)	**022291017**
.30"-.39" (.76-.99)	300	30	4" (10)	2.5" (6.4)	**022291018**
.37"-.48" (.94-1.22)	300	30	5" (13)	4" (10)	**022291019**
.46"-.58" (1.17-1.47)	400	40	6" (15)	5" (13)	**022291020**
.56"-.71" (1.42-1.80)	600	60	7" (18)	5" (13)	**022291021**
.69"-.88" (1.75-2.24)	800	80	8" (20)	6" (15)	**022291022**

Note: E-Eye length. M-Mesh length at nominal diameter.



Dimensions in Inches (mm)

Kellems Support Grips for fiber optic cable are specially designed to hold the cable weight as it hangs in a vertical or horizontal position. Fiber optic cable must be supported and Kellems Grips provide the support easily and economically.
These grips are made of high grade, non-magnetic tin-coated bronze strand. They are offered in universal bale or single eye configurations and are available in either closed mesh (for use where the cable end is available) or in split mesh, rod closing (for installation on existing cable runs or at specific locations).

Split Support Grip Rod Closing Instructions

The stainless steel rod is a precise built-in feature which makes threading easy and fast. The strands of the mesh pass around the rod and match up with the strands from the opposite direction. The rod does not touch the cable at any point and therefore cannot cut the cable. Rod Closing Grips are reusable. They may be removed and reused as many times as desired.

Fast to Install

Step 1 Wrap the grip around the cable and thread the rod through the preformed loops with a corkscrew motion, using the curved end of the rod to engage the loops.

Step 2 The action required is a steady push and twist simultaneously. The fingers of the left hand are used to bring the loops together just ahead of the hook on the end of the rod.

Step 3 To remove, simply pull the rod out.






Safety And Working Load Factors For Wire Mesh Grips

Kellems has wide experience with grips for use with fiber optic cable. As the industry leader in producing wire mesh grips for the stringent requirements of fiber optic applications, Kellems has developed several series of grips for use with fiber optic communications cable.These grips include pulling grips with built in swivels, grips with steel ends to protect fragile cable ends, grips with low profiles to pull cables in tight places and the OPTISOK® an effective tool to place pre-terminated cables. Also available are grips to support fiber optic cable.

Select the Correct Fiber Optic Grip

Each Kellems grip is designed to work on a specific range of cable diameters.

Step 1 Determine your cable outside diameter.
Step 2 Find the grip size that encompasses your cable diameter.
Step 3 Whenever possible, use a closed mesh that assembles over the cable end. If the cable end is not available, use a split mesh.
Step 4 Where available, select an eye style that suits your needs.
Step 5 Estimate the tension to be put on the grip, establish the working load you require and compare this to the listed approximate breaking strength of the grip to insure that the grip will be strong enough.

The broad application of Kellems grips on a wide variety of objects requires that adequate safety factors be used to establish working loads. The approximate breaking strength of a Kellems grip represents an average calculation based on data established from actual direct tension testing done in our engineering laboratories.It is impossible to catalog or guarantee a safety factor suitable for all applications as operating conditions are never the same. The tension, diameter, movement, number of objects gripped, gripping surface, and the attachments used are just some of the factors which vary with each application. These factors, together with the effects of abrasion, corrosion, prior use or abuse and any other variables of a specific application, must be considered by the user and the grip replaced as appropriate. Where the conditions of the application are not well defined or known or where risk of injury to persons or property is involved, a greater safety factor should be utilized. Any warranty as to quality, performance or fitness for use of grips is always premised on the condition that the published breaking strengths apply only to new, unused grips, and that such products are properly stored, handled, used, maintained and inspected by the user at a frequency appropriate for the use and condition of the grip.For grip applications on materials other than those that the grips have been specifically designed for, consult the factory.

IMPORTANT:

Under normal conditions, Kellems' recommended factor of safety is five for catalog listed pulling grips, and ten for catalog listed support grips.

Examples

Grip Style	Approx. Breaking Strength Lbs. (N)	Safety Factor	Max. Recommended Load Lbs. (N)	Catalog Number
Pulling Grips	2,500 (11,120)	5	500 (2,224)	**033291196**
Support Grips	400 (1,779)	10	40 (178)	**022291004**

The maximum recommended working load is the tension to be exerted on the grip in application with a margin of safety to take care of unforeseen and unusual circumstances.
It is the end-user's decision to determine how much of a safety factor is acceptable to for the application.

Support Grip Materials

Material	Features	Grip Type
Galvanized steel wire	High strength Not subject to continuous outside environment	Pulling grips
Tin-coated bronze wire	Corrosion resistant for normal outside areas Non-magnetic Moderate strength	Support grips
Non-metallic braid	Superior flex life Non-conductive Corrosion resistant Moderate strength	OPTISOK®

Approvals

CSA Certification is indicated on appropriate product catalog pages.

Dimensions in Inches (mm)

Kellems Hose Containment Grips are used on high pressure, flexible hose lines to prevent the hose from whipping violently in the event of hose failure at the fitting. These grips will prevent serious injury to personnel and damage to equipment by holding the hose in place in the event of hose failure. Kellems patented Hose Containment Grips are made of stainless steel double weave mesh construction for high strength and come complete with hose clamps.

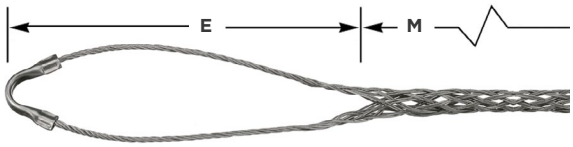
IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to page Y-44.

Types of Attachment

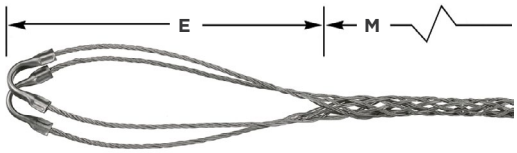
The six attachment methods shown below provide unlimited flexibility of attachment to meet any condition.



Type A

Single Eye, used where fastening is made with eyebolts or similar anchor terminations.

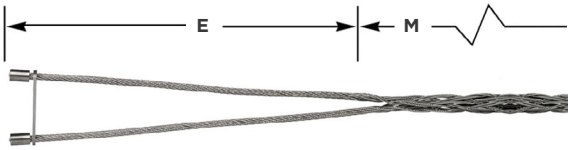
Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.38"-.69" (.97-1.75)	2,900	290	10" (25)	24" (61)	**014021285**
.50"-.94" (1.27-2.39)	3,400	340	10" (25)	24" (61)	**014021230**
1.00"-1.56" (2.54-3.96)	9,400	940	10" (25)	36" (91)	**014021453**
1.25"-1.94" (3.18-4.93)	14,400	1,440	48" (122)	60" (152)	**014021593**
2.75"-3.44" (6.99-8.74)	12,500	1,250	10" (25)	48" (122)	**014021524**



Type E

Double Eye Grip, used where fastening is made with eyebolts or similar anchor terminations.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.50"-.94" (1.27-2.39)	4,250	425	8" (20)	24" (61)	**014021224**
.75"-1.25" (1.91-3.18)	6,000	600	8" (20)	24" (61)	**014021223**
1.00"-1.56" (2.54-3.96)	8,000	800	8" (20)	24" (61)	**014021279**



Type U

Universal Bale Grip, used to fasten around a structure or closed eye.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.31"-.56" (.79-1.42)	2,100	210	12" (30)	24" (61)	**014021304**
.38"-.69" (.97-1.75)	2,600	260	12" (30)	24" (61)	**014021308**
.50"-.94" (1.27-2.39)	3,100	310	12" (30)	24" (61)	**014021138**
.50"-.94" (1.27-2.39)	3,100	310	24" (61)	24" (61)	**014021139**
.75"-1.25" (1.91-3.18)	4,500	450	12" (30)	24" (61)	**014021140**
1.00"-1.56" (2.54-3.96)	6,000	600	12" (30)	24" (61)	**014021142**
1.25"-1.94" (3.18-4.93)	6,000	600	12" (30)	36" (91)	**014021527**

Note: E-Eye length. M-Mesh length at nominal diameter.
It should be emphasized that Kellems® Hose Containment Grips are not to be used as a pressure reinforcing device for hose systems. These grips are custom made. Consult Technical Services for details.

Dimensions in Inches (mm)

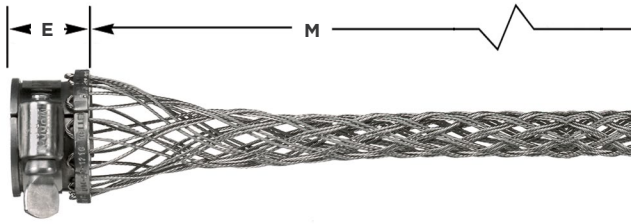
Hose Containment Grips

Kellems Hose Containment Grips are supplied in diameters, length and attachments to meet individual requirements. Contact the Hubbell Wiring Device-Kellems factory for specific information. These grips help meet OSHA Federal Register 1926-302 (b), 1926-603 (9), (10), JIC H-1-1973 (H13.11) and JIC P-1-1975 (P11.34) requirements.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to page Y-44.



Type F

Split fitting to fit AN-818 nuts. Fitting is positioned over nut and located with internal flange. A hose clamp is furnished and required to hold the fitting in correct position.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs.	Working Load Lbs.	E Inches (cm)	M Inches (cm)	Catalog Number
.38″-.69″ (.97-1.75)	2,900	290	1″ (2.54)	24″ (61)	**014021208**
.50″-.94″ (1.27-2.39)	3,400	340	1″ (2.54)	24″ (61)	**014021156**
.50″-.94″ (1.27-2.39)	3,400	340	1″ (2.54)	12″ (30)	**014021186**
.50″-.94″ (1.27-2.39)	3,400	340	1″ (2.54)	24″ (61)	**014021216**
.75″-1.25″ (1.91-3.18)	6,000	600	1″ (2.54)	12″ (30)	**014021120**
1.00″-1.56″ (2.54-3.96)	6,000	600	1″ (2.54)	24″ (61)	**014021157**
1.00″-1.56″ (2.54-3.96)	8,000	800	1.12″ (2.84)	24″ (61)	**014021366**
1.25″-1.94″ (3.18-4.93)	8,000	800	1.12″ (2.84)	36″ (91)	**014021314**

Dimensions in Inches (mm)

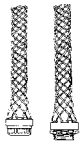
Kellems Strain Relief Grips are designed to prevent tension from being transmitted to joints and terminals on electrical cord, cable and conduit. In most applications, a Kellems grip for strain relief is stronger than the cable itself and gives much greater security than the use of a fitting alone. Kellems Grips for strain relief help make electrical systems safer, and save money by minimizing downtime from costly electrical failure due to cable pull-out. Kellems Grips also aid in compliance with the National Electric Code's terminal tension protection requirements.

Select the Correct Grip for Strain Relief

Kellems Grips for strain relief are designed to fit on electrical cord, cable or flexible conduit.

Step 1 Refer to the chart below to determine the grip style best suited for your application.
Step 2 Determine your cable outside diameter or conduit size.
Step 3 Locate environment—indoors or outdoors.
Step 4 Decide if a liquidtight seal is required.
Step 5 Select NPT size and fitting style.

Strain Relief System Selection Chart

Grip Type		Application	Features	Cord or Conduit Range Inches (cm)	Type Fitting or Attachment	Page Number
Deluxe Cord Aluminum Fitting/ Stainless Steel Grip		Outdoors or indoors where subjected to moisture or splash. Examples are crane and hoist pendant drop stations, hand tools, pumps and processing equipment.	Aluminum fittings, stainless steel mesh, neoprene oil-and-watertight bushing. Double-single weave.	.187"-3.250" (.47-8.25)	NPT, PG, and metric aluminum, male straight, 45° male, 90° male, female straight. Thread sizes 3/8"-3".	Y-49, Y-50, Y-53
Deluxe Cord Nylon Fitting/ Stainless Steel Grip		Outdoors or indoors where subjected to moisture or splash. Examples are marine and food processing equipment.	Nylon fitting, stainless steel mesh, double-single weave, neoprene oil-and-watertight bushing.	.187"-1.125" (.47-2.86)	NPT nylon, male straight, 90° male. Thread sizes 1/2"-1".	Y-51
Deluxe Cord Nylon Fitting/ Non-Metallic Grip		Indoor or outdoors. Provides liquidtight seal, where exposed to moisture. Excellent for oil refining and chemical processing.	Non-metallic grip is corrosion resistant, nonconductive and provides superior gripping and flexing benefits. Neoprene liquidtight bushing. Nylon fitting.	.187"-1.000" (.47-2.54)	NPT nylon, straight male, thread sizes 3/8"-1" 90° male, thread sizes 1/2"-1".	Y-52
Deluxe Cord Stainless Steel Fitting And Grip		Indoor or outdoor use where exposed to moisture. Very strong for heavy abuse areas such as drilling platforms, steel mills and mines.	Stainless steel fitting and grip for strength. Neoprene liquidtight bushing. Double/single weave grip.	.187"-1.000" (.47-2.54)	Straight male only with NPT thread sizes 1/2"-1".	Y-52
Dust-Tight Strain Relief		Indoor use only for wiring of electrical enclosures, machine tools, portable power tools, bus drop cable systems.	Neoprene gasket–seals out chips, dirt, dust. One piece design with galvanized steel mesh. Insulating bushing available. Zinc-plated steel locknut.	.240"-2.450" (.61-6.22)	Straight male NPS or NPT.	Y-54
Liquidtight Flexible Conduit Grip (Metal and Non-Metallic)		Wiring of machine tools, electrical enclosures, motors and systems where metallic liquidtight flexible conduit is subjected to vibration, flexure, motion or strain.	Stainless steel mesh, liquidtight fittings. Sealing "O" rings (optional). Choice of fittings.	.375"-4.000" trade sizes	NPT 1/2"-4", Hubbell fittings, male straight, 45° male, 90° male, female straight.	Y-58, Y-59
Liquidtight Flexible Conduit Grip (UL Type A)		Wiring or machine tools, electrical enclosures, motors and systems where conduit is subject to vibration and strain.	Stainless steel mesh, liquidtight fittings with "O" ring and locknut.	.375"-2.008" trade size male	NPT steel, Hubbell fittings, straight male, 90° thread sizes 1/2"-2".	Y-59

Dimensions in Inches (mm)

Deluxe Cord Grip

Features and Benefits

Deluxe cord grips help to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and NPT thread sizes. Additionally, a completely non-metallic product is available.



Types of Attachment

Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

Benefits

- Helps to prevent cable pull-out
- Controls cable arc-of-bend
- Provides a liquidtight seal
- Corrosion resistant stainless steel mesh with aluminum collar



Mesh Grip

- Stainless steel mesh is corrosion resistant; can be used inside or outside
- Eliminates cable or flexible conduit pull out and reduces costly downtime
- Endless weave provides easy cable/flexible conduit installation



Deluxe Cord Grips

- An NPT and PG threaded body allows easy attachment to either threaded hub or knock-out in box
- A liquidtight fitting is available with both cable and conduit fittings; prevents liquids from running through the fitting into the enclosure



Cable Protection

- Multiweave grip gives cable arc-of-bend control minimizing cable damage and extending cable life
- It is the strongest strain relief device available; meets and exceeds all code requirements; prevents cable/conduit pull-out



Comprehensive Offering

- Hubbell offers a full line of deluxe cord grips with various material finishes
- Deluxe cord grips are used indoors or outdoors to help prevent cord pull-out and where cables are subjected to moisture, splash or submersion

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

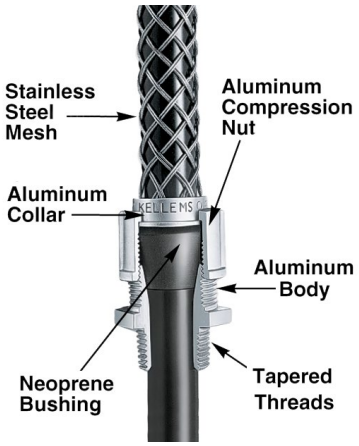
Refer to pages Y-60 through Y-67.

Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
3/8	.250"-.312"	(.63-.79)	F1	**07401001**
	.312"-.375"	(.79-.95)		**07401002**
	.375"-.437"	(.95-1.11)		**07401003**
1/2	.187"-.250"	(.47-.63)	F2	**07401004**
	.250"-.375"	(.63-.95)		**07401006**
	.375"-.500"	(.95-1.27)		**07401008**
	.500"-.625"	(1.27-1.59)		**07401010**
1/2	.625"-.750"	(1.59-1.90)	F3	**074011247***
	.750"-.875"	(1.90-2.22)		**074011248***
3/4	.187"-.250"	(.47-.63)	F2	**07401011**
	.250"-.375"	(.63-.95)		**07401013**
	.375"-.500"	(.95-1.27)		**07401015**
	.500"-.625"	(1.27-1.59)		**07401017**
3/4	.625"-.750"	(1.59-1.90)	F3	**07401018**
	.750"-.875"	(1.90-2.22)		**074011249***
1	.375"-.500"	(.95-1.27)	F4	**074011195**
	.500"-.625"	(1.27-1.59)		**07401019**
	.625"-.750"	(1.59-1.90)		**07401021**
	.750"-.875"	(1.90-2.22)		**07401023**
	.875"-1.000"	(2.22-2.54)		**07401025**
	1.000"-1.125"	(2.54-2.86)		**074011250***
1	1.125"-1.250"	(2.86-3.17)	F5	**074011028***
	1.250"-1.375"	(3.17-3.49)		**074011029***
1-1/4	.750"-.875"	(1.90-2.22)	F5	**074011251**
	.875"-1.000"	(2.22-2.54)		**07401026**
	1.000"-1.125"	(2.54-2.86)		**07401027**
	1.125"-1.250"	(2.86-3.17)		**07401028**
	1.250"-1.375"	(3.17-3.49)		**074011178***
1-1/2	.750"-.875"	(1.90-2.22)	F5	**074011252**
	.875"-1.000"	(2.22-2.54)		**07401029**
	1.000"-1.125"	(2.54-2.86)		**07401030**
	1.125"-1.250"	(2.86-3.17)		**07401031**
	1.250"-1.375"	(3.17-3.49)		**07401032**
1-1/2	1.312"-1.437"	(3.33-3.65)	F6	**074011253**
	1.437"-1.562"	(3.65-3.97)		**074011254***
	1.562"-1.687"	(3.97-4.28)		**074011255***
	1.687"- 1.812"	(4.28-4.60)		**074011256***
	1.750"-1.875"	(4.44-4.76)		**074011257***
2	1.250"-1.375"	(3.17-3.49)	F6	**074011258**
	1.312"-1.437"	(3.33-3.65)		**074011259**
	1.437"-1.562"	(3.65-3.97)		**07401033**
	1.562"-1.687"	(3.97-4.28)		**07401034**
	1.687"-1.812"	(4.28-4.60)		**07401035**
	1.750"- 1.875"	(4.44-4.76)		**074011260**
2	1.812"-1.937"	(4.60-4.92)	F7	**074011261**
	1.937"-2.062"	(4.92-5.24)		**074011262***
	2.062"-2.187"	(5.24-5.55)		**074011263***
	2.187"-2.312"	(5.55-5.87)		**074011264***
	2.312"-2.437"	(5.87-6.19)		**074011265***
2-1/2	1.688"-1.812"	(4.29-4.60)	F7	**074011030**
	1.812"-1.937"	(4.60-4.92)		**074011031**
	1.937"-2.062"	(4.92-5.24)		**074011032**
	2.062"-2.187"	(5.24-5.55)		**074011033**
	2.187"-2.312"	(5.55-5.87)		**074011034**
	2.312"-2.437"	(5.87-6.19)		**074011266***
3	1.937"-2.062"	(4.92-5.24)	F7	**074011036**
	2.062"-2.187"	(5.24-5.55)		**074011037**
	2.187"-2.312"	(5.55-5.87)		**074011038**
	2.312"-2.437"	(5.87-6.19)		**074011039**
3	2.437"-2.625"	(6.19-6.67)	F8	**074011186**
	2.625"-2.812"	(6.67-7.14)		**074011187**
	2.812"-3.000"	(7.14-7.62)		**074011188**
	3.000"-3.250"	(7.62-8.25)		**074011189***

*Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b). *Cable jacket may have to be stripped to pass through connector body.*





Dimensions in Inches (mm)

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-60 through Y-67.

Straight Female Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
1/2	.375"-.500" .500"-.625"	(.95-1.27) (1.27-1.59)	F2	**07401043** **07401045**
3/4	.500"-.625"	(1.27-1.59)	F2	**07401052**
3/4	.625"-.750"	(1.59-1.90)	F4	**07401053**



90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
3/8	.250"-.312" .312"-.375" .375"-.437"	(.63-.79) (.79-.95) (.95-1.11)	F1	**07401071** **07401072** **07401073**
1/2	.187"-.250" .250"-.375" .375"-.500" .500"-.625"	(.47-.63) (.63-.95) (.95-1.27) (1.27-1.59)	F2	**07401074** **07401076** **07401078** **07401080***
3/4	.375"-.500" .500"-.625" .625"-.750" .750"-.875"	(.95-1.27) (1.27-1.59) (1.59-1.90) (1.90-2.22)	F3	**07401081** **07401083** **07401084*** **074011275***
1	.500"-.625" .625"-.750" .750"-.875" .875"-1.000" 1.000"-1.125"	(1.27-1.59) (1.59-1.90) (1.90-2.22) (2.22-2.54) (2.54-2.86)	F4	**07401085** **07401087** **07401089** **07401091*** **074011229***
1-1/4	.750"-.875" .875"-1.000" 1.000"-1.125" 1.125"-1.250" 1.250"-1.375"	(1.90-2.22) (2.22-2.54) (2.54-2.86) (2.86-3.17) (3.18-3.51)	F5	**074011230** **07401137** **07401108** **074011042*** **074011043**
1-1/2	1.000"-1.125" 1.125"-1.250" 1.250"-1.375"	(2.54-2.86) (2.86-3.17) (3.17-3.49)	F5	**074011045** **074011046** **074011047**
2	1.312"-1.437" 1.437"-1.562" 1.562"-1687" 1.687"-1.812" 1.750"-1.875"	(3.33-3.65) (3.65-3.97) (3.96-4.29) (4.28-4.60) (4.44-4.76)	F6	**074011233** **074011244** **074011245** **074011246** **074011234***



45° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
1/2	.250"-.375" .375"-.500" .500"-.625"	(.63-.95) (.95-1.27) (1.27-1.59)	F2	**074011236** **074011021** **074011237***
3/4	.500"-.625" .625"-.750" .750"-.875"	(1.27-1.59) (1.59-1.90) (1.90-2.22)	F3	**074011049** **074011051*** **074011239***
1	.625"-.750" .750"-.875" .875"-1.000"	(1.59-1.90) (1.90-2.22) (2.22-2.54)	F4	**074011055** **074011057** **074011199***
1-1/4	1.000"-1.125" 1.125"-1.250"	(2.54-2.86) (2.86-3.17)	F5	**074011059** **074011060**



Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).

**Cable jacket may have to be stripped to pass through connector body.*

Dimensions in Inches (mm)

Nylon Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-60 through Y-67.

Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
1/2	.187"-.250" .250"-.375" .375"-.500" .500"-.625"	(.47-.63) (.63-.95) (.95-1.27) (1.27-1.59)	F2	**074011331** **074011332** **074011333** **074011334***
3/4	.375"-.500" .500"-.625" .625"-.750" .750"-.875"	(.95-1.27) (1.27-1.59) (1.59-1.90) (1.90-2.22)	F3	**074011335** **074011336** **074011337** **074011338***
1	.625"-.750" .750"-.875" .875"-1.000" 1.000"-1.125"	(1.59-1.90) (1.90-2.22) (2.22-2.54) (2.54-2.86)	F4	**074011341** **074011342** **074011343** **074011344***



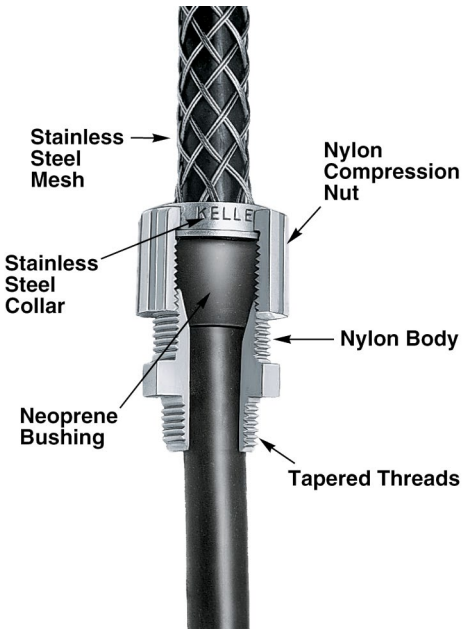
90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
1/2	.250"-.375" .375"-.500" .500"-.625"	(.63-.95) (.95-1.27) (1.27-1.59)	F2	**074011346** **074011347** **074011348***
3/4	.375"-.500" .500"-.625" .625"-.750"	(.95-1.27) (1.27-1.59) (1.59-1.90)	F3	**074011349** **074011350** **074011351***



Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).

**Cable jacket may have to be stripped to pass through connector body.*



Dimensions in Inches (mm)

Nylon Fittings, Non-Metallic Mesh, and Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-60 through Y-67.

Nylon Fittings Non-Metallic Mesh, Liquidtight for Insulated Cables
Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
3/8	.187"-.250" .250"-.312" .312"-.375"	(.47-.63) (.63-.79) (.79-.95)	F1	**CG304NM** **CG305NM** **CG306NM**
1/2	.187"-.250" .250"-.375" .375"-.500"	(.47-.63) (.63-.95) (.95-1.27)	F2	**CG404NM** **CG406NM** **CG408NM**
3/4	.375"-.500" .500"-.625" .625"-.750"	(.95-1.27) (1.27-1.59) (1.59-1.90)	F3	**CG608NM** **CG610NM** **CG612NM**
1	.500"-.625" .625"-.750" .750"-.875" .875"-1.000"	(1.27-1.59) (1.59-1.90) (1.90-2.22) (2.22-2.54)	F4	**CG810NM** **CG812NM** **CG814NM** **CG816NM**



90° Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
1/2	.250"-.375" .375"-.500"	(.63-.95) (.95-1.27)	F2	**CG40690NM** **CG40890NM**
3/4	.375"-.500" .500"-.625" .625"-.750"	(.95-1.27) (1.27-1.59) (1.59-1.90)	F3	**CG60890NM** **CG61090NM** **CG61290NM***
1	.625"-.750" .750"-.875"	(1.59-1.90) (1.90-2.22)	F4	**CG81290NM** **CG81490NM**



Stainless Steel Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables
Straight Male Thread

NPT Thread Size Inches	Grip Diameter Range Inches (cm)		Form Size	Catalog Number
1/2	.187"-.250" .250"-.375" .375"-.500" .500"-.625"	(.47-.63) (.63-.95) (.95-1.27) (1.27-1.59)	F2	**CG404SST** **CG406SST** **CG408SST** **CG410SST**
3/4	.375"-.500" .500"-.625"	(.95-1.27) (1.27-1.59)	F2	**CG608SST** **CG610SST**
3/4	.625"-.750" .750"-.875"	(1.59-1.90) (1.90-2.22)	F3	**CG612SST** **CG614SST**
1	.500"-.625" .625"-.750" .750"-.875" .875"-1.000"	(1.27-1.59) (1.59-1.90) (1.90-2.22) (2.22-2.54)	F4	**CG810SST** **CG812SST** **CG814SST** **CG816SST**



Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).

**Cable jacket may have to be stripped to pass through connector body.*

Dimensions in Inches (mm)

Aluminum Fittings, Stainless Steel Mesh, Liquidtight for Insulated Cables

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-60 through Y-67.

Straight PG* Male Thread

Hub Size	Cord Diameter Range Inches (cm)		Form Size	Catalog Number
PG16	.500"-.625"	(1.27-1.59)	F2	**074PG16010**
PG21	.500"-.625"	(1.27-1.59)	F2	**074PG21010**
PG21	.625"-.750" .750"-.875"	(1.59-1.90) (1.90-2.22)	F3	**074PG211247** **074PG211248**
PG29	.625"-.750" .750"-.875" .875"-1.000"	(1.59-1.90) (1.90-2.22) (2.22-2.54)	F4	**074PG29021** **074PG29023** **074PG29025**
PG29	1.125"-1.250"	(2.86-3.17)	F5	**074PG291028***
PG36	1.125"-1.250"	(2.86-3.17)	F5	**074PG36028***

*Note: *Panzergewinde.*



Straight Metric Male Thread

Hub Size	Cord Diameter Range Inches (cm)		Form Size	Catalog Number
M20	.500"-.625"	(1.27-1.59)	F2	**074M20010**
M25	.625"-.750" .750"-.875"	(1.59-1.90) (1.90-2.22)	F3	**074M251247** **074M251248**
M25	.500"-.625"	(1.27-1.59)	F2	**074M25017**
M32	.625"-.750" .750"-.875" .875"-1.000" 1.000"-1.125"	(1.59-1.90) (1.90-2.22) (2.24-2.54) (2.54-2.86)	F4	**074M32021** **074M32023** **074M32025** **074M321250**
M32	1.125"-1.250"	(2.86-3.17)	F5	**074M321028**

Note: Kellems® Deluxe Cord Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code Sections 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).

**Cable jacket may have to be stripped to pass through connector body.*



Specifications

Material	Temperature Range
Aluminum (Body) Stainless Steel (Mesh) Neoprene (Bushings)	–30°F to +240°F (–34°C to +115°C). –30°F to +240°F (–34°C to +115°C). –30°F to +240°F (–34°C to +115°C).
Hazardous Locations	Suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 N.E.C. Reference 501.10(b)(2), 502.10(a)(2), 502.10(b)(2), 503.10(a)(2) and 503.10(b).
Approvals	
Deluxe Cord Grips	UL Listed in accordance with Standard 514B for indoor/outdoor use. UL Control numbers 898D and 899D.
Wet Locations	Suitable for use in wet locations when used with a listed sealing ring between box and fitting.

Dimensions in Inches (mm)

Dust-Tight Strain Relief Grips

Aluminum Fittings, Galvanized Steel Mesh for Insulated Cables

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-60 through Y-67.

Non-Insulated, Wide Range Strain Relief

Thread Size	Cord Diameter Range Inches (cm)		Mesh Length @ Nom. Dia. Inches (cm)	Catalog Number
1/2 NPT	.24"-.32" .32"-.43" .43"-.54"	(.61-.81) (.81-1.09) (1.09-1.37)	3.25" (8.25) 3.75" (9.52) 4.75" (12.06)	**073031200** **073031201** **073031202**
3/4 NPT	.54"-.73"	(1.37-1.85)	6.5" (16.51)	**073031203A**
1 NPT	.73"-.97"	(1.85-2.46)	7" (17.78)	**073031204**
1-1/4 NPT	.97"-1.25"	(2.46-3.17)	9" (22.86)	**073031205**
PG29*	.73"-.97"	(1.85-2.46)	7" (17.78)	**073PG291204**

*Note: *Panzergewinde.*



Insulated, Wide Range Strain Relief with Insulating Bushing

Thread Size	Cord Diameter Range Inches (cm)		Mesh Length @ Nom. Dia. Inches (cm)	Dim. A Inches (cm)	Min. Space Between Grips Inches (cm)	Catalog Number
1/2 NPS	.24"-.32" .32"-.43" .43"-.54"	(.61-.81) (.81-1.09) (1.09-1.37)	3.25" (8.25) 3.75" (9.52) 4.75" (12.06)	1" (2.54) 1" (2.54) 1" (2.54)	1.25" (3.17) 1.25" (3.17) 1.25" (3.17)	**073031206** **073031207** **073031208**
3/4 NPS	.54"-.73"	(1.37-1.85)	6.5" (16.51)	1" (2.54)	1.5" (3.81)	**073031209A**
1 NPS	.73"-.97"	(1.85-2.46)	7" (17.78)	1.313" (3.02)	1.75" (4.44)	**073031210**
1-1/4 NPS	.97"-1.25"	(2.46-3.17)	9" (22.86)	1.313" (3.02)	2.25" (5.71)	**073031211**
1-1/2 NPT	1.25"-1.50"	(3.17-3.81)	11.75" (29.84)	1.313" (3.02)	2.5" (6.35)	**073031212**
2 NPT	1.50"-1.70"	(3.81-4.32)	13.25" (33.65)	1.375" (3.49)	3.25" (8.25)	**073031213**
2-1/2 NPT	1.70"-2.00" 2.00"-2.45"	(4.32-5.08) (5.08-6.22)	13.5" (34.29) 13.75" (34.92)	1.5" (3.81) 1.5" (3.81)	3.625" (9.21) 3.625" (9.21)	**073031214** **073031215**



Dimensions in Inches (mm)

Kellems I-Grips are made of high strength, plastic coated galvanized steel strand. They are offered in six sizes to fit all cable diameters used with Hubbell Insulgrip® Kellems I-Grips will control cable arc-of-bend and reduce high pull tensions from being transmitted to the wiring terminals.

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-60 through Y-67.

Application

Kellems I-Grips will fit 2, 3, 4 and 5 wire Hubbell Insulgrip® plugs and connector bodies. The eye tabs fit under the nylon cord clamp and the screws slide through the eyelets, securing the grip in place. I-Grips can be used on any Insulgrip cord set which requires cable, arc-of-bend control or heavy duty strain relief. Cord sets used at in-door construction sites or for plant maintenance jobs are examples. These grips are for indoor use only.



Benefits

- Easily attached to Insulgrip plugs and connector bodies
- Controls cable arc-of-bend
- Provides heavy-duty strain relief
- Fits all sizes

I-Grips

Cable Diameter Range Inches (cm)		E Inches (cm)	M Inches (cm)	Catalog Number
.32"-.43"	(.81-1.09)	1.25" (3.17)	4" (10.16)	**07310001**
.43"-.56"	(1.09-1.42)	1.25" (3.17)	4.75" (12.06)	**07310002**
.56"-.73"	(1.42-1.85)	1.50" (3.81)	6" (15.24)	**07310003**
.73"-.85"	(1.85-2.16)	1.50" (3.81)	6.5" (16.51)	**07310004**
.85"-1.00"	(2.16-2.54)	1.50" (3.81)	8" (20.32)	**07310005**
1.00"-1.25"	(2.54-3.17)	1.50" (3.81)	10" (25.40)	**07310006**

Note: E-Eye length. M-Mesh length at nominal diameter.
Eyelet hole diameter .203" (.52cm).
I-Grips should not be used on Insulgrip devices when "Seal-Tite®" weatherproof covers are to be installed.

Dimensions in Inches (mm)

Thread Adapters for Multi-Pin Connectors

Kellems Thread Adapters are devices formatting AN-MS connectors and other multi-pin connectors to Kellems grips with NPT threaded fittings. They are made of aluminum with internal threads and replace the connector cord clamp. These adapters permit the installation of Kellems Grips, to prevent cable or conduit pull-out and control arc-of-bend.

Application

Thread adapters allow the installation of Kellems Grips on multi-pin connectors at electrical consoles, mobile equipment, control switches, assembly equipment and testing machines.



091041006
Thread Adapter

Benefits

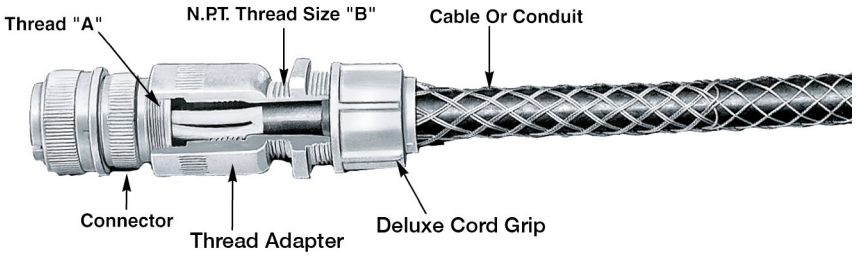
- Easy installation
- Allows the use of Kellems grips
- Extends connector and cable life

Thread Adapters for Multi-Pin Connectors

Thread Adapters					Deluxe Cord Grips		Strain Relief Grips		Liquidtight Conduit Grips (Insulated Throat)
AN-MS Connector Size**	AN-MS Cable Clamp Number***	Thread Size A Inch	NPT Thread Size B	Catalog Number	Cable Diameter Range Inches (cm)	Catalog Number	Cable Diameter Range Inches (cm)	Catalog Number	Catalog Number
8S, 10S 10SL, 12, 12S 14, 14S	3057-3 3057-4 3057-6	1/2" x 28" 5/8" x 24" 3/4" x 20"	3/8	**091041000** **091041001** **091041002**	.250"-.312" (.63-.79) .312"-.375" (.79-.95) .375"-.437" (.95-1.11)	**07401001** **07401002** **07401003**	–	–	–
14, 14S 16, 16S 18	3057-6 3057-8 3057-10	3/4" x 20" 7/8" x 20" 1" x 20"	1/2	**091041003** **091041004** **091041006**	.187"-.250" (.47-.63 .250"-.375" (.63-.95) .375"-.500" (.95-1.27) .500"-.625" (1.27-1.59)	**07401004** **07401006** **07401008** **07401010***	.24"-.32" (.61-.81) .32"-.43" (.81-1.09) .43"-.54" (1.09-1.37)	**073031200** **073031201** **073031202**	– **074093512** –
16, 16S 18 20, 22	3057-8 3057-10 3057-12	7/8" x 20" 1" x 20" 1-3/16" x 18"	3/4	**091041005** **091041007** **091041008**	.187"-.250" (.47-.63) .250"-.375" (.63-.95) .375"-.500" (.95-1.27) .500"-.625" (1.27-1.59) .625"-.750" (1.59-1.90)	**07401011** **07401013** **07401015** **07401017** **07401018**	.54"-.74" (1.37-1.85)	**073031203A**	**074093513**
20, 22 24, 28 32 36	3057-12 3057-16 3057-20 3057-24	1-3/16" x 18" 1-7/16" x 18" 1-3/4" x 18" 2" x 18"	1	**091041009** **091041010** **091041012** **091041015**	.375"-.500" (.95-1.27) .500"-.625" (1.27-1.59) .625"-.750" (1.59-1.90) .750"-.875" (1.90-2.22) .875"-1.000" (2.22-2.54)	**074011195** **07401019** **07401021** **07401023** **07401025**	.73"-.97" (1.85-2.46)	**073031204**	**074093514**
24, 28 32 36	3057-16 3057-20 3057-24	1-7/16" x 18" 1-3/4" x 18" 2" x 18"	1-1/4	**091041011** **091041013** **091041016**	.750"-.875" (1.90-2.22) .875"-1.000" (2.22-2.54) 1.000"-1.125" (2.54-2.86) 1.125"-1.375" (2.86-3.17)	**074011251** **07401026** **07401027** **07401028**	.97"-1.25" (2.46-3.17)	**073031205**	**074093515**
32 36 40	3057-20 3057-24 3057-28	1-3/4" x 18" 2" x 18" 2-1/4" x 16"	1-1/2	**091041014** **091041017** **091041019**	.875"-1.000" (2.22-2.54) 1.000"-1.125" (2.54-2.86) 1.125"-1.250" (2.86-3.17) 1.250"-1.375" (3.17-3.49)	**07401029** **07401030** **07401031** **07401032**	–	–	**074093516**

*Note: *Cable jacket may have to be stripped to pass through connector body.*
***Number stamped on connector shell.*
****Number stamped on clamp shell.*

Example



Dimensions in Inches (mm)

Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff® I Non-Metallic Conduit

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-60 through Y-67.

Benefits

- Helps prevent conduit pull-out and damage at the fitting
- Reduces equipment downtime

Straight With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number (Insulated)
3/8	1/2	3″	(7.62)	**074093511**
1/2	1/2	3.5″	(8.89)	**074093512**
3/4	3/4	4″	(10.16)	**074093513**
1	1	5″	(12.70)	**074093514**
1-1/4	1-1/4	6″	(15.24)	**074093515**
1-1/2	1-1/2	6.75″	(17.14)	**074093516**
2	2	8″	(20.32)	**074093518**
2-1/2	2-1/2	9.75″	(24.76)	**074093520**
3	3	11″	(27.94)	**074093522**
4	4	14″	(35.56)	**074093526**



90° Angle With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number (Insulated)
3/8	1/2	3″	(7.62)	**074093541**
1/2	1/2	3.5″	(8.89)	**074093542**
3/4	3/4	4″	(10.16)	**074093543**
1	1	5″	(12.70)	**074093544**
1-1/4	1-1/4	6″	(15.24)	**074093545**
1-1/2	1-1/2	6.75″	(17.14)	**074093546**
2	2	8″	(20.32)	**074093548**
2-1/2	2-1/2	9.75″	(24.76)	**074093550**
3	3	11″	(27.94)	**074093552**



Note: For use with Liquidtight Metal conduit and PolyTuff® I Non-Metallic conduit.

Dimensions in Inches (mm)

Steel Fitting, Stainless Steel Mesh for Liquidtight Metal Conduit and PolyTuff® I Non-Metallic Conduit

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-60 through Y-67.

Straight With Chase Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number
1/2	1/2	3.5″	(8.89)	**07406079**
3/4	3/4	4″	(10.16)	**07406080**
1	1	5″	(12.70)	**07406081**
1-1/4	1-1/4	6″	(15.24)	**07406082**
1-1/2	1-1/2	6.75″	(17.14)	**07406083**



45° Angle With Male Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number (Insulated)
3/8	1/2	3″	(7.62)	**074093561**
1/2	1/2	3.5″	(8.89)	**074093562**
3/4	3/4	4″	(10.16)	**074093563**
1	1	5″	(12.70)	**074093564**
1-1/4	1-1/4	6″	(15.24)	**074093565**
1-1/2	1-1/2	6.75″	(17.14)	**074093566**
2	2	8″	(20.32)	**074093568**

Note: For use with Liquidtight Metal conduit and PolyTuff® I Non-Metallic conduit.



Dimensions in Inches (mm)

Steel Fitting, Stainless Steel Mesh for UL Type A Liquidtight Conduit

IMPORTANT:

Read all breaking strength, safety and technical data relating to this product.

Refer to pages Y-60 through Y-67.

Straight Male Hubbell Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number
3/8	1/2	3.75″	(9.52)	**H038CNK**
1/2	1/2	4.5″	(11.43)	**H050CNK**
3/4	3/4	6.25″	(15.87)	**H075CNK**
1	1	7.5″	(19.05)	**H100CNK**
1-1/4	1-1/4	9″	(22.86)	**H125CNK**
1-1/2	1-1/2	13.5″	(34.29)	**H150CNK**
2	2	14.5″	(36.83)	**H200CNK**



90° Male Hubbell Fitting

Conduit Trade Size Inches	NPT Fitting Size Inches	Mesh Length Inches	(cm)	Catalog Number
3/8	1/2	3.75″	(9.52)	**H0389CNK**
1/2	1/2	4.5″	(11.43)	**H0509CNK**
3/4	3/4	6.25″	(15.87)	**H0759CNK**
1	1	7.5″	(19.05)	**H1009CNK**
1-1/4	1-1/4	9″	(22.86)	**H1259CNK**
1-1/2	1-1/2	13.5″	(34.29)	**H1509CNK**
2	2	14.5″	(36.83)	**H2009CNK**



Dimensions in Inches (mm)

Wire Mesh Grip Materials

Support Grip Materials

Material	Features	Product Group
Galvanized steel wire	High strength Not subject to continuous outside environment	Strain relief grips I-Grips
Stainless steel wire (302/304)	High strength Corrosion resistant Slightly magnetic	Deluxe cord grips Liquidtight, flexible, metal conduit grips UL type A conduit grips
Non-metallic strand	Superior flex life Non-conductive Corrosion resistant Moderate strength	Non-metallic deluxe cord grips

Operating Temperatures

Material	Temperature Range
Aluminum	–40°F to +300°F (–40°C to +149°C).
Aluminum Deluxe Cord Grips	–30°F to +240°F (–34°C to +115°C).
Non-Metallic Deluxe Cord Grips	–30°F to +225°F (–34°C to +107°C).
Nylon	–40°F to +225°F (–40°C to +107°C).
Nylon Fitting with Stainless Steel Mesh	–40°F to +225°F (–40°C to +107°C).
Stainless Steel	–60°F to +1000°F (–51°C to +537°C).
Stainless Steel Deluxe Cord Grips	–30°F to +240°F (–34°C to +115°C).
Neoprene (Bushings)	–30°F to +240°F (–34°C to +115°C).

Hazardous Locations

	Product Categories
The product categories listed to the right are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2.	Deluxe cord grip, aluminum fitting; Deluxe cord grip, nylon fitting; Deluxe cord grip, non-metallic; Seal-Tite® conduit grips; Dustight strain relief grips.

Flammability

Non-metallic deluxe cord grips will not support combustion. Listed below are the ratings.

Component	Rating
Mesh grip	UL 94HB
Fitting	UL 94X-2

Approvals

UL Listing and CSA Certification are indicated on appropriate product catalog pages.

Agency	UL Control Number
Underwriters Laboratories Inc.	898D and 899D. UL Listed in accordance with Standard 514B for indoor/outdoor use.

Wet Locations

Material	Temperature Range
The products noted to the right are suitable for use in wet locations when a listed sealing ring is used between box and fitting.	Deluxe cord grip, aluminum fitting; Deluxe sealing ring cord grip; Deluxe cord grip, non-metallic; Seal-Tite® conduit grips; Hubbell non-metallic conduit grips; Cord connectors; Hubbell Juniors; PolyTuff® connectors; Hubbell Seal-Tite® conduit connectors.

Dimensions in Inches (mm)

The term "Form Size" refers to the physical mass or overall dimensions of a cord connector. Form 1 is the smallest size, Form 8 is the largest size.

Knockout Holes

NPT Hub Size Inches	Knockout Hole Recommended Min. to Max.	Inches (cm)
1/4	.540" to .570"	(1.37-1.45)
3/8	.671" to .701"	(1.70-1.78)
1/2	.859" to .906"	(2.18-2.30)
3/4	1.094" to 1.141"	(2.78-2.90)
1	1.359" to 1.406"	(3.45-3.57)
1-1/4	1.719" to 1.766"	(4.37-4.49)
1-1/2	1.969" to 2.016"	(5.00-5.12)
2	2.453" to 2.500"	(6.23-6.35)
2-1/2	2.953" to 3.000"	(7.50-7.62)
3	3.578" to 3.625"	(9.09-9.21)

Product Data

Deluxe Cord Grips, Liquidtight for Insulated Cables

Deluxe Cord Grips helps to alleviate pull tension on terminals, control cable arc-of-bend, prevent cord pull-out, and provide a liquidtight seal. They are offered with either aluminum, stainless steel or nylon fittings in a variety of configurations and NPT thread sizes. Additionally, a completely non-metallic product is offered on page Y-52.

Application

Deluxe Cord Grips are used indoors or outdoors to help prevent cord pull-out, and where cables are subjected to moisture, splash or submersion. Specific uses are: wiring enclosures, pendant stations, hand tools, construction, processing and material handling equipment, pumps, motors and machine tools.

Benefits

- Helps to prevent cable pull-out
- Controls cable arc-of-bend
- Provides a liquidtight seal
- Corrosion resistant stainless steel mesh with aluminum collar

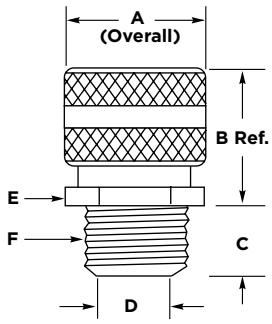
Dimensions in Inches (mm)

Deluxe Cord Grips Fitting Dimensions

Straight Hubbell Connectors

F NPT Inches	Form	Aluminum, Inches (cm)						Nylon, Inches (cm)						Stainless Steel, Inches (cm)						
		A	B	C	D	E		A	B	C	D	E		A		B	C	D	E	
		Dia.	Ref.		Throat Dia.	A/C*	A/F*	Dia.	Ref.		Throat Dia.	A/C*	A/F*	A/C*	A/F*	Ref.		Throat Dia.	A/C*	A/F*
3/8-18	1	.88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	1.01" (2.57)	.88" (2.24)	.90" (2.29)	.46" (1.17)	.45" (1.14)	.87" (2.21)	.75" (1.90)
1/2-14	1	.88" (2.24)	.90" (2.29)	.46" (1.17)	.44" (1.12)	.99" (2.51)	.88" (2.24)	1.00" (2.54)	1.10" (2.79)	.43" (1.09)	.45" (1.14)	1.00" (2.54)	.93" (2.36)	–	–	–	–	–	–	–
1/2-14	2	1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.11" (2.82)	1.00" (2.54)	1.32" (3.35)	1.50" (3.81)	.53" (1.35)	.58" (1.47)	1.25" (3.17)	1.12" (2.84)	1.30" (3.30)	1.13" (2.87)	1.10" (2.79)	.54" (1.37)	.63" (1.60)	1.16" (2.95)	1.00" (2.54)
1/2-14	3	1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.64" (1.63)	1.40" (3.56)	1.25" (3.17)	–	–	–	–	–	–	–	–	–	–	–	–	–
3/4-14	2	1.13" (2.87)	1.10" (2.79)	.55" (1.40)	.64" (1.63)	1.29" (3.28)	1.13" (2.87)	–	–	–	–	–	–	–	–	–	–	–	–	–
3/4-14	3	1.38" (3.51)	1.50" (3.81)	.55" (1.40)	.82" (2.08)	1.40" (3.56)	1.25" (3.17)	1.56" (3.96)	1.60" (4.06)	.55" (1.40)	.77" (1.96)	1.44" (3.66)	1.31" (3.33)	1.59" (4.04)	1.38" (3.51)	1.30" (3.30)	.56" (1.42)	.81" (2.06)	1.44" (3.66)	1.25" (3.17)
1-11-1/2	3	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
1-11-1/2	4	1.75" (4.44)	1.60" (4.06)	.71" (1.80)	1.02" (2.59)	1.81" (4.60)	1.62" (4.11)	1.88" (4.78)	1.75" (4.44)	.70" (1.78)	1.01" (2.57)	1.84" (4.67)	1.63" (4.14)	2.02" (5.13)	1.75" (4.44)	1.40" (3.56)	.70" (1.78)	1.03" (2.62)	1.88" (4.78)	1.63" (4.14)
1-11-1/2	5	2.31" (5.87)	1.70" (4.32)	.66" (1.68)	1.01" (2.57)	2.28" (5.79)	2.00" (5.08)	–	–	–	–	–	–	–	–	–	–	–	–	–
1-1/4-11-1/2	5	2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.26" (3.20)	2.28" (5.79)	2.12" (5.38)	–	–	–	–	–	–	–	–	–	–	–	–	–
1-1/2-11	5	2.31" (5.87)	1.70" (4.32)	.74" (1.88)	1.38" (3.51)	2.28" (5.79)	2.12" (5.38)	–	–	–	–	–	–	–	–	–	–	–	–	–
1-1/2-11-1/2	6	3.00" (7.62)	2.20" (5.59)	.75" (1.90)	1.50" (3.81)	2.97" (7.54)	2.75" (6.98)	–	–	–	–	–	–	–	–	–	–	–	–	–
2-11-1/2	6	3.00" (7.62)	2.20" (5.59)	.80" (2.03)	1.92" (4.88)	3.24" (8.24)	3.00" (7.62)	–	–	–	–	–	–	–	–	–	–	–	–	–
2-11-1/2	7	3.85" (9.78)	2.70" (6.86)	.88" (2.24)	1.94" (4.93)	4.05" (10.29)	3.75" (9.52)	–	–	–	–	–	–	–	–	–	–	–	–	–
2-1/2-8	7	3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.32" (5.89)	4.34" (11.02)	4.02" (10.21)	–	–	–	–	–	–	–	–	–	–	–	–	–
2-1/2-8	8	4.75" (12.06)	2.70" (6.86)	1.25" (3.17)	2.38" (6.05)	4.86" (12.34)	4.50" (11.43)	–	–	–	–	–	–	–	–	–	–	–	–	–
3-8	7	3.85" (9.78)	2.70" (6.86)	1.30" (3.30)	2.54" (6.45)	4.34" (11.02)	4.01" (10.21)	–	–	–	–	–	–	–	–	–	–	–	–	–
3-8	8	4.50" (11.43)	2.70" (6.86)	1.38" (3.51)	3.00" (7.62)	4.86" (12.34)	4.50" (11.43)	–	–	–	–	–	–	–	–	–	–	–	–	–

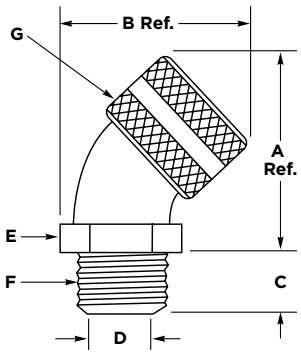
*Note: *A/C— Across Corners; A/F—Across Flats.*



Dimensions in Inches (mm)

45° Hubbell Connectors

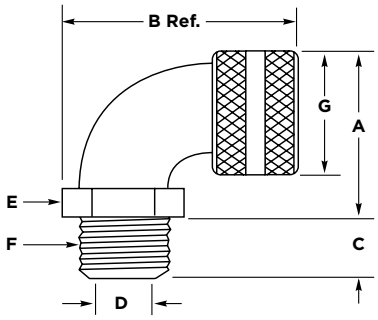
F NPT Inches	Form	Aluminum, Inches (cm)						
		A Ref.	B Ref.	C	D Throat Dia.	E Across Comers	E Across Flats	G Dia.
1/2-14	2	2.00″ (5.08)	1.90″ (4.83)	.550″ (1.40)	.560″ (1.42)	1.270″ (3.23)	1.110″ (2.79)	1.125″ (2.86)
3/4-14	3	2.30″ (5.84)	2.50″ (6.53)	.560″ (1.42)	.750″ (1.90)	1.480″ (3.76)	1.281″ (3.25)	1.375″ (3.49)
1-11-1/2	4	2.60″ (6.60)	2.80″ (7.11)	.700″ (1.78)	1.000″ (2.54)	1.690″ (4.29)	1.500″ (3.81)	1.750″ (4.44)
1-1/4-11-1/2	5	3.90″ (9.91)	3.90″ (9.91)	.740″ (1.88)	1.250″ (3.17)	2.45″ (6.22)	2.125″ (5.40)	2.310″ (5.87)
1-1/2-11-1/2	5	3.90″ (9.91)	3.90″ (9.91)	.740″ (1.88)	1.500″ (3.81)	2.45″ (6.22)	2.125″ (5.40)	2.310″ (5.87)



90° Hubbell Connectors

F NPT Inches	Form	Aluminum, Inches (cm)							Nylon, Inches (cm)						
		A	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	G Dia.	A	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	G Dia.
3/8-18	1	1.27″ (3.23)	2.00″ (5.08)	.460″ (1.17)	.440″ (1.12)	1.15″ (2.92)	1.10″ (2.79)	.875″ (2.22)	—	—	—	—	—	—	—
1/2-14	2	1.56″ (3.96)	2.30″ (5.84)	.500″ (1.27)	.546″ (1.39)	1.30″ (3.30)	1.13″ (2.87)	1.125″ (2.86)	1.41″ (3.58)	2.50″ (6.35)	.550″ (1.40)	.575″ (1.46)	1.23″ (3.12)	1.12″ (2.82)	1.315″ (3.34)
3/4-14	3	1.79″ (4.55)	2.80″ (7.11)	.560″ (1.42)	.765″ (1.94)	1.49″ (3.78)	1.31″ (3.33)	1.375″ (3.49)	1.65″ (4.19)	2.81″ (7.14)	.560″ (1.42)	.765″ (1.94)	1.42″ (3.61)	1.29″ (3.28)	1.560″ (3.96)
1-11-1/2	4	2.08″ (5.28)	3.20″ (8.13)	.700″ (1.78)	1.000″ (2.54)	1.70″ (4.32)	1.50″ (3.81)	1.750″ (4.44)	1.99″ (5.05)	3.30″ (8.38)	.700″ (1.78)	1.010″ (2.57)	1.82″ (4.62)	1.60″ (4.06)	1.875″ (4.76)
1-1/4-11-1/2	5	3.18″ (8.08)	4.30″ (10.92)	.730″ (1.85)	1.260″ (3.20)	2.47″ (6.27)	2.15″ (5.46)	2.310″ (5.87)	—	—	—	—	—	—	—
1-1/2-11-1/2	5	3.18″ (8.08)	4.30″ (10.92)	.750″ (1.92)	1.500″ (3.81)	2.47″ (6.27)	2.15″ (5.46)	2.310″ (5.87)	—	—	—	—	—	—	—
2-11-1/2	6	3.51″ (8.92)	5.50″ (13.97)	.800″ (2.03)	1.920″ (4.88)	2.98″ (7.57)	2.78″ (7.06)	3.000″ (7.62)	—	—	—	—	—	—	—

*Note: *A/C - Across Corners; A/F - Across Flats.*

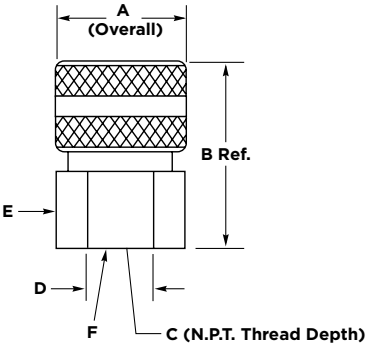


Dimensions in Inches (mm)

Deluxe Cord Grips Fitting Dimensions

Female Hubbell Connectors

		Aluminum, Inches (cm)					
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E Across Comers	E Across Flats
3/8-18	1	.88″ (2.24)	1.40″ (3.56)	.560″ (1.42)	.44″ (1.12)	.94″ (2.39)	.81″ (2.06)
1/2-14	2	1.13″ (2.87)	1.80″ (4.57)	.560″ (1.42)	.63″ (1.60)	1.15″ (2.92)	1.00″ (2.54)
3/4-14	2	1.13″ (2.87)	2.10″ (5.33)	.750″ (1.90)	.63″ (1.60)	1.44″ (3.66)	1.25″ (3.17)
1-11-1/2	4	1.75″ (4.44)	2.30″ (5.84)	.880″ (2.24)	1.10″ (2.79)	1.88″ (4.78)	1.63″ (4.14)
1-1/4-11-1/2	5	2.31″ (5.87)	2.80″ (7.11)	.950″ (2.41)	1.43″ (3.63)	2.64″ (6.71)	2.29″ (5.82)
1-1/2-11-1/2	5	2.31″ (5.87)	2.80″ (7.11)	.950″ (2.41)	1.43″ (3.63)	2.64″ (6.71)	2.29″ (5.82)



Product Data

Dust-Tight Strain Relief Grips for Insulated Cables

Kellems Strain Relief Grips connect flexible cord or bus drop cable to electrical enclosures. For indoor use only, they are available with either insulated or non-insulated aluminum fittings, and feature single weave, galvanized steel mesh grips with patented wide range mesh construction. They come with a locknut and a neoprene gasket that provides a dust tight seal.

Application

Used to connect electrical cable to power boxes, cabinets, panel boards, power centers, machine tools and with bus drop systems.

Benefits

- Helps prevent cord or cable pull-out
- Patented mesh construction
- Provides a dust tight seal
- One piece design
- Easy installation

Dimensions in Inches (mm)

Strain Relief Grips for Liquidtight Flexible Metal and PolyTuff® I Non-Metallic Conduit

Kellems Liquidtight, Flexible Metal Conduit Grips are offered with high quality Hubbell plated steel fittings in a wide variety of NPT sizes and configurations, either insulated or non-insulated. The addition of a stainless steel mesh to these fittings makes them stronger than the conduit itself. Kellems Conduit Grips helps prevent conduit pull-out from the connecting fitting that is subject to stress, pull tension, vibration, motion or strain. They promote safe electrical systems and reduce equipment downtime.

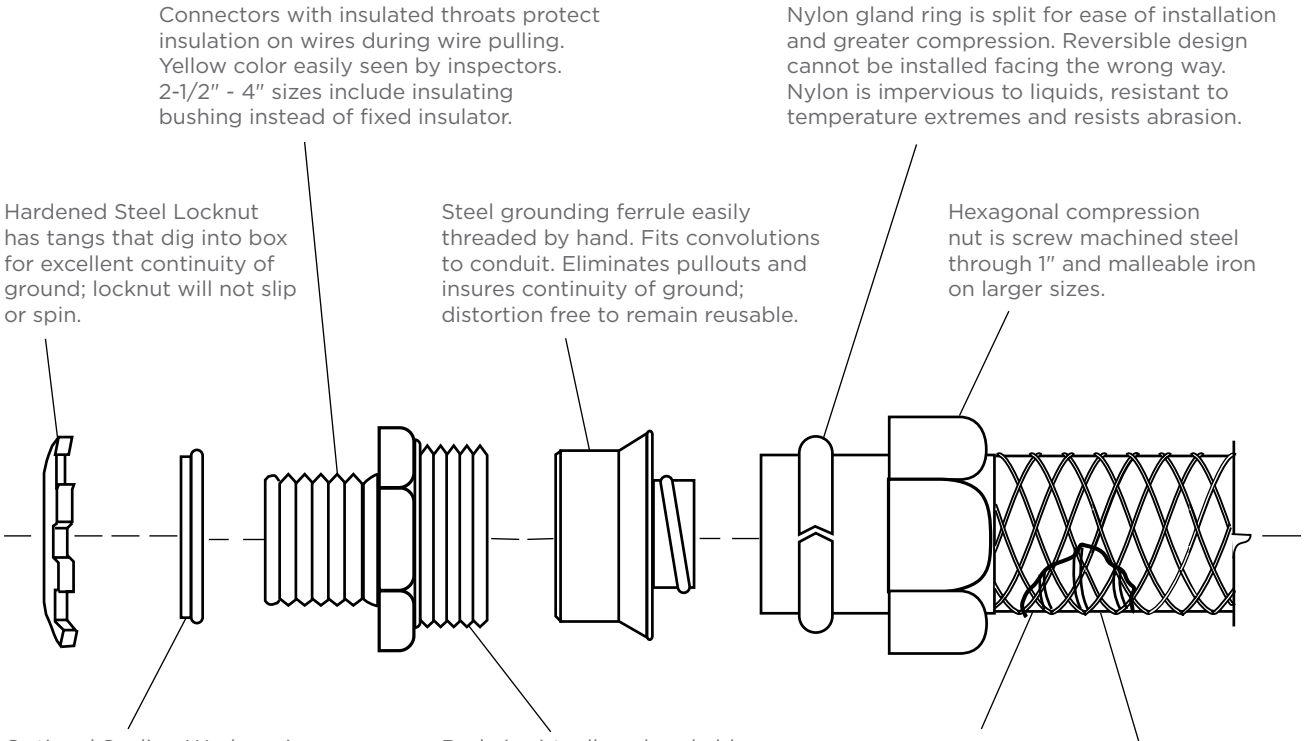
Application

Kellems Conduit Grips are used in the wiring of machine tools, motors, molding equipment, transformers, weaving and paper machines, fans, lighting, bakeries, breweries, food processing, chemical plants, dairies, mines and any application that requires Liquidtight Conduit.

Benefits

- Helps prevent conduit pull-out and damage at the fitting
- Reduces equipment downtime
- Liquidtight fittings
- Easily installed
- Stainless steel grip resists corrosion

Kellems Conduit Grips are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 of the National Electric Code.



Liquidtight Conduit Grip Fitting Dimensions, Inches

Straight with Male Fitting

Dimensions, Inches

Trade Size Inches	A Ref.	B Ref.	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*	Catalog Number
3/8	1.43"	.59"	1.20"	1.06"	.61"	1.07"	.93"	074093401
1/2	1.43"	.59"	1.34"	1.19"	.61"	1.22"	1.06"	074093402
3/4	1.56"	.59"	1.55"	1.37"	.84"	1.43"	1.25"	074093403
1	1.68"	.66"	1.95"	1.69"	1.06"	1.73"	1.56"	074093404
1-1/4	2.03"	.63"	2.39"	2.06"	1.37"	2.36"	2.08"	074093405
1-1/2	2.21"	.63"	2.72"	2.38"	1.53"	2.79"	2.48"	074093406
2	2.28"	.69"	3.08"	2.87"	2.06"	3.32"	2.90"	074093408

Straight with Male Fitting with Insulated Throat

Dimensions, Inches

Trade Size Inches	A Ref.	B Ref.	C A/C*	C A/F*	D Throat Dia.	E A/C*	E A/F*	Catalog Number
3/8	1.50"	.66"	1.20"	1.06"	.57"	1.07"	.93"	074093511
1/2	1.50"	.66"	1.34"	1.19"	.57"	1.22"	1.06"	074093512
3/4	1.62"	.66"	1.55"	1.38"	.78"	1.43"	1.25"	074093513
1	1.75"	.72"	1.95"	1.69"	.98"	1.73"	1.56"	074093514
1-1/4	2.09"	.69"	2.39"	2.06"	1.29"	2.36"	2.08"	074093515
1-1/2	2.28"	.69"	2.72"	2.37"	1.53"	2.79"	2.48"	074093516
2	2.34"	.75"	3.08"	2.87"	1.95"	3.32"	2.90"	074093518
2-1/2	3.56"	1.06"	3.92"	3.62"	2.42"	3.85"	3.60"	074093520
3	3.81"	1.06"	4.70"	4.31"	3.01"	4.65"	4.33"	074093522
4	3.81"	1.06"	5.75"	5.31"	3.96"	5.75"	5.39"	074093526

45° Angle with Male Fitting

Dimensions, Inches

Trade Size Inches	H	J Ref.	K	L A/C*	L A/F*	M Throat Dia.	N A/C*	N A/F*	Catalog Number
3/8	1.19"	1.28"	.59"	1.20"	1.06"	.60"	1.16"	1.02"	074093441
1/2	1.19"	1.28"	.59"	1.34"	1.19"	.61"	1.21"	1.06"	074093442
3/4	1.19"	1.43"	.59"	1.55"	1.45"	.84"	1.50"	1.32"	074093443
1	1.38"	1.53"	.66"	1.95"	1.69"	1.05"	1.82"	1.59"	074093444
1-1/4	1.42"	1.69"	.63"	2.39"	2.06"	1.37"	2.32"	2.03"	074093445
1-1/2	1.66"	2.00"	.66"	2.72"	2.38"	1.60"	2.62"	2.29"	074093446
2	1.69"	2.25"	.66"	3.08"	2.88"	2.05"	3.21"	2.80"	074093448

45° Angle with Male Fitting with Insulated Throat

Dimensions, Inches

Trade Size Inches	H	J Ref.	K	L A/C*	L A/F*	M Throat Dia.	N A/C*	N A/F*	Catalog Number
3/8	1.25"	1.28"	.66"	1.20"	1.06"	.57"	1.16"	1.02"	074093561
1/2	1.25"	1.28"	.66"	1.34"	1.19"	.57"	1.21"	1.06"	074093562
3/4	1.25"	1.44"	.66"	1.55"	1.45"	.78"	1.50"	1.32"	074093563
1	1.44"	1.53"	.72"	1.95"	1.69"	.98"	1.82"	1.59"	074093564
1-1/4	1.48"	1.69"	.69"	2.39"	2.06"	1.29"	2.32"	2.03"	074093565
1-1/2	1.72"	2.00"	.72"	2.72"	2.38"	1.53"	2.62"	2.29"	074093566
2	1.75"	2.25"	.72"	3.08"	2.87"	1.95"	3.21"	2.80"	074093568

90° Angle with Male Fitting

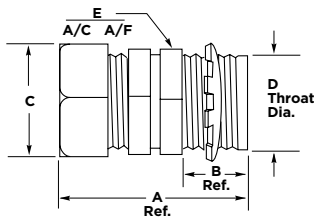
Dimensions, Inches

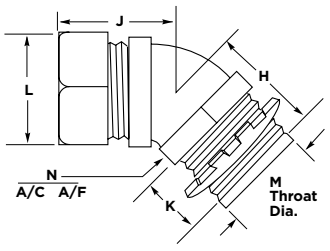
Trade Size Inches	D	E	F A/C*	F A/F*	G Ref.	O Throat Dia.	P A/C*	P A/F*	Catalog Number
3/8	1.31"	.59"	1.20"	1.06"	1.44"	.60"	1.13"	.99"	074093421
1/2	1.31"	.59"	1.34"	1.12"	1.44"	.61"	1.21"	1.00"	074093422
3/4	1.44"	.59"	1.55"	1.45"	1.63"	.83"	1.48"	1.29"	074093423
1	1.78"	.66"	1.95"	1.60"	2.19"	1.05"	1.80"	1.57"	074093424
1-1/4	1.97"	.63"	2.39"	2.06"	2.50"	1.37"	2.32"	2.02"	074093425
1-1/2	2.19"	.66"	2.72"	2.38"	2.69"	1.61"	2.58"	2.25"	074093426
2	2.53"	.66"	3.08"	2.87"	3.25"	2.05"	3.14"	2.75"	074093428

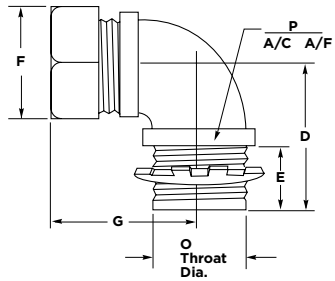
90° Angle with Male Fitting with Insulated Throat

Dimensions, Inches

Trade Size Inches	D	E	F A/C*	F A/F*	G Ref.	O Throat Dia.	P A/C*	P A/F*	Catalog Number
3/8	1.38"	.66"	1.20"	1.06"	1.44"	.60"	1.13"	.99"	074093541
1/2	1.38"	.66"	1.34"	1.12"	1.44"	.57"	1.21"	1.00"	074093542
3/4	1.50"	.66"	1.55"	1.45"	1.63"	.78"	1.48"	1.29"	074093543
1	1.84"	.66"	1.95"	1.60"	2.19"	.98"	1.80"	1.57"	074093544
1-1/4	2.03"	.69"	2.39"	2.06"	2.50"	1.29"	2.32"	2.02"	074093545
1-1/2	2.25"	.69"	2.72"	2.38"	2.69"	1.53"	2.58"	2.20"	074093546
2	2.59"	.72"	3.08"	2.87"	3.25"	1.95"	3.14"	2.75"	074093548
2-1/2	3.44"	1.00"	3.92"	3.63"	4.25"	2.42"	3.78"	3.50"	074093550
3	3.75"	1.00"	4.70"	4.31"	4.87"	3.01"	4.64"	4.30"	074093552







Dimensions in Inches (mm)

*Note: *A/C - Across Corners; A/F - Across Flats.*

Strain Relief for UL Type A, Flexible, Liquidtight Conduit

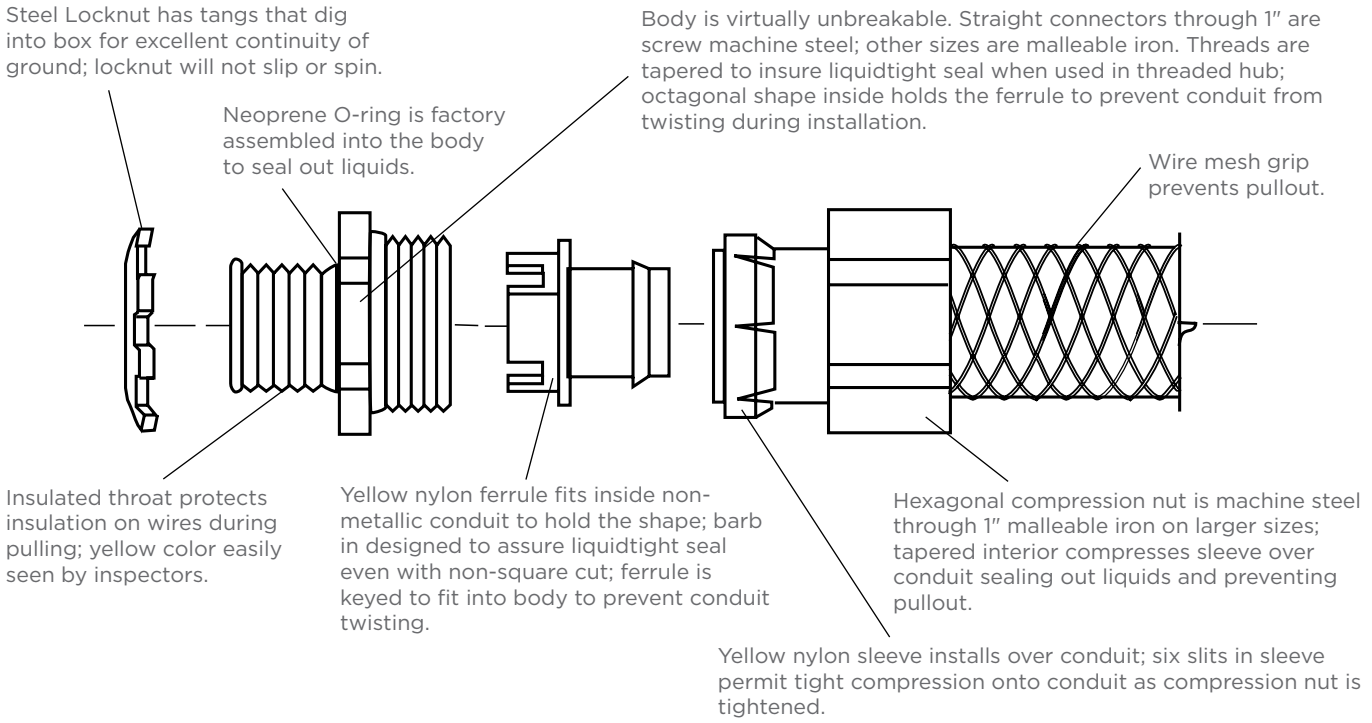
Kellems Grips for UL Type A, non-metallic, flexible, liquidtight conduit are available in straight and 90° male and feature a high quality Hubbell plated steel or malleable iron fitting, complete with a sealing O-ring, lock nut and stainless steel mesh. These grips increase the retention of the conduit in the fitting, control its arc-of-bend and provide a liquidtight seal.

Application

These grips are used on UL Type A non-metallic conduit connections at limit switches, motor boxes, panel boards, control stations and on all types of machinery and machine tools.

Benefits

- Provides a liquidtight seal
- Helps prevent conduit pull-out
- Reduces conduit cutting, kinking, fraying and splitting at the fitting
- Easily installed



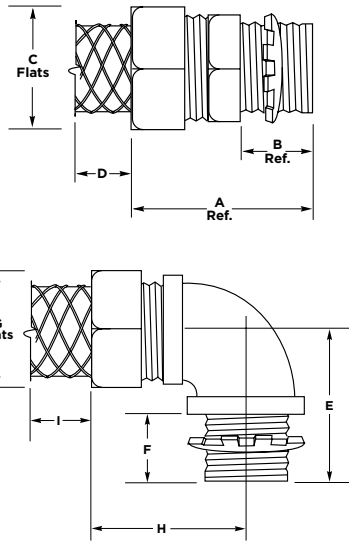
Dimensional Charts For UL Type A, Liquidtight Conduit Grip Fittings

Straight with Male Fitting with Insulated Throat

Dimensions Inches (cm)						
Trade Size NPT Inches	A	B	C	D		Catalog Number
3/8	1.922" (4.88)	.594" (1.51)	1.156" (2.94)	3.75" (9.52)		H038CNK
1/2	1.922" (4.88)	.594" (1.51)	1.250" (3.17)	4.50" (11.43)		H050CNK
3/4	2.016" (5.12)	.594" (1.51)	1.500" (3.81)	6.25" (15.87)		H075CNK
1	2.157" (5.48)	.719" (1.83)	1.844" (4.68)	7.50" (19.05)		H100CNK
1-1/4	2.219" (5.64)	.750" (1.91)	2.312" (5.87)	9.00" (22.86)		H125CNK
1-1/2	2.344" (5.95)	.750" (1.91)	2.578" (6.55)	13.50" (34.29)		H150CNK
2	2.406" (6.11)	.750" (1.91)	3.187" (8.09)	14.50" (36.83)		H200CNK

90° Angle with Male Fitting with Insulated Throat

Dimensions Inches (cm)						
Trade Size NPT Inches	E	F	G	H	I	Catalog Number
3/8	1.250" (3.18)	.594" (1.51)	1.156" (2.94)	1.453" (3.69)	3.75" (9.52)	H0389CNK
1/2	1.281" (3.25)	.594" (1.51)	1.250" (3.17)	1.453" (3.69)	4.50" (11.43)	H0509CNK
3/4	1.438" (3.65)	.594" (1.51)	1.500" (3.81)	1.000" (2.54)	6.25" (15.87)	H0759CNK
1	1.750" (4.44)	.719" (1.83)	1.844" (4.68)	2.125" (5.40)	7.50" (19.05)	H1009CNK
1-1/4	1.969" (5.00)	.750" (1.91)	2.312" (5.87)	2.344" (5.95)	9.00" (22.86)	H1259CNK
1-1/2	2.250" (5.71)	.750" (1.91)	2.578" (6.55)	2.500" (6.35)	13.50" (34.29)	H1509CNK
2	2.531" (6.43)	.750" (1.91)	3.187" (8.09)	2.781" (7.06)	14.50" (36.83)	H2009CNK



Dimensions in Inches (mm)

Features and Benefits

Hubbell has the broadest line and the widest choice of materials in the industry. NPT hub sizes from 1/4" to 3" in straight male end, 90°, 45°, female and underground feed connectors. They are available in your choice of aluminum, plated steel, nylon and stainless steel.

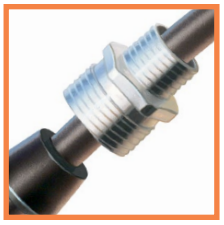
The zinc-plated steel cord connectors offers the strength of steel and the corrosion resistance of zinc-plating. These heavy duty connectors hold up to most manufacturing chemicals including acid solutions, solvents and other corrosive materials.

Their machined steel nut and body allows for tightening the compression nut and NPT hub without worrying about stripping the threads. For larger size cord, NPT hub sizes 1" to 2", Hubbell utilizes malleable iron connectors which provide excellent holding and liquidtight performance.

Hubbell's nylon cord connectors resist most common industrial corrosives and provide highly effective pullout protection in a lightweight design. They are ideal for any application where weight, conductivity or corrosion may be an issue. They're available in NPT hub sizes from 1/4" to 1".

Stainless steel cord connectors provide superior strength and corrosion resistance for industrial and military applications. They are machined from 300 series stainless steel and come in 1/4" to 1", NPT hub sizes.





Liquidtight Seal

- Lubricated neoprene bushing compresses easily for a liquidtight seal and added pull-out protection
- The connector body is a one-piece design with machined threads; a tapered interior seats the bushing evenly for a liquidtight seal



Connector Body

- Machined threads provide a strong positive seal; the tapered interior dome easily drives the bushing into the connector body



Connector Identification

- The patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief, also color-coded for sizing identification



Comprehensive Offering

- Hubbell offers a full line of machined aluminum cord connectors in NPT hub sizes 1/4" through 1" and cast aluminum 1" to 3"
- They provide durable performance and a clean attractive look without adding unwanted weight; NPT hub sizes 1/4" to 1" feature an attractive knurled finish which makes them easy to handle

Form Size 1-4

UL Listed to Type 4, 4X, 12 and 13

IP66* SUITABILITY



Straight Male

NPT Hub Size	Cord Dia. Inches (mm)	Form Size	Color Code	Machined Aluminum	Machined Zinc-Plated Steel	Stainless Steel	Nylon Gray	Nylon Black
1/4	.06"-.13" (1.6-3.2)	F1	Green	–	–	–	SHC1001CR	–
	.13"-.19" (3.2-4.7)		Orange	SHC1002	–	–	SHC1002CR	–
	.19"-.25" (4.7-6.3)		Red	SHC1003	–	SHC1003SS	SHC1003CR	–
	.25"-.31" (6.3-7.9)		Black	SHC1004	–	SHC1004SS	SHC1004CR	–
	.31"-.38" (7.9-9.5)		White	SHC1005**	–	–	SHC1005CR	SHC2005CR
	.38"-.44" (9.5-11)		Blue	–	–	–	SHC1006CR	–
3/8	.06"-.13" (1.6-3.2)	F1	Green	SHC1007	–	–	–	–
	.13"-.19" (3.2-4.7)		Orange	SHC1008	SHC1008ZP	–	SHC1008CR	SHC2008CR
	.19"-.25" (4.7-6.3)		Red	SHC1009	–	SHC1009SS	SHC1009CR	–
	.25"-.31" (6.3-7.9)		Black	SHC1010	SHC1010ZP	–	SHC1010CR	SHC2010CR
	.31"-.38" (7.9-9.5)		White	SHC1011	–	SHC1011SS	SHC1011CR	SHC2011CR
	.38"-.44" (9.5-11.0)		Blue	SHC1012	SHC1012ZP	SHC1012SS	SHC1012CR	SHC2012CR
1/2	.19"-.25" (4.7-6.3)	F1	Red	SHC1015	–	–	–	–
	.25"-.31" (6.3-7.9)		Black	SHC1016	–	–	–	–
	.31"-.38" (7.9-9.5)		White	SHC1017	–	–	–	–
	.38"-.44" (9.5-11.0)		Blue	SHC1018	–	–	–	–
1/2	.06"-.13" (1.6-3.2)	F2	Green	SHC1019	–	–	SHC1019CR	–
	.13"-.19" (3.2-.4.7)		Orange	SHC1020	SHC1020ZP	SHC1020SS	SHC1020CR	–
	.19"-.25" (4.7-6.3)		Red	SHC1021	SHC1021ZP	SHC1021SS	SHC1021CR	SHC2021CR
	.25"-.38" (6.3-.9.7)		White	SHC1022	SHC1022ZP	SHC1022SS	SHC1022CR	SHC2022CR
	.38"-.50" (9.7-12.7)		Blue	SHC1023	SHC1023ZP	SHC1023SS	SHC1023CR	SHC2023CR
	.50"-.63" (12.7-15.9)		Brown	SHC1024	SHC1024ZP	SHC1024SS	SHC1024CR**	SHC2024CR**
1/2	.38"-.50" (9.7-12.7)	F3	Blue	SHC1025	–	–	–	–
	.50"-.63" (12.7-15.9)		Brown	SHC1026	–	–	–	–
	.63"-.75" (15.9-19.0)		Yellow	SHC1027**	SHC1027ZP**	–	–	–
	.75"-.88" (19.0-22.2)		Orchid	SHC1028**	SHC1028ZP**	–	–	–
3/4	.06"-.13"(1.6-3.2)	F2	Green	SHC1029	–	–	–	–
	.13"-.19"(3.2-4.7)		Orange	SHC1030	SHC1030ZP	–	–	–
	.19"-.25"(4.7-6.3)		Red	SHC1031	SHC1031ZP	–	–	–
	.25"-.38"(6.3-9.7)		White	SHC1032	SHC1032ZP	–	–	–
	.38"-.50" (9.7-12.7)		Blue	SHC1033	SHC1033ZP	–	–	–
	.50"-.63" (12.7-15.9)		Brown	SHC1034	SHC1034ZP	–	–	–
3/4	.38"-.50" (9.5-12.7)	F3	Blue	–	SHC1035ZP	SHC1035SS	SHC1035CR	SHC2035CR
	.50"-.63" (12.7-15.9)		Brown	SHC1036	–	SHC1036SS	SHC1036CR	SHC2036CR
	.63"-.75" (15.9-19.0)		Yellow	SHC1037	SHC1037ZP	SHC1037SS	SHC1037CR	SHC2037CR
	.75"-.88" (19.0-22.2)		Orchid	SHC1038**	SHC1038ZP**	SHC1038SS**	SHC1038CR**	SHC2038CR**
1	.50"-.63" (12.7-15.9)	F3	Brown	–	SHC1097ZP	–	–	–
	.63"-.75" (15.9-19.0)		Yellow	–	SHC1098ZP	–	–	–
	.75"-.88" (19.0-22.2)		Orchid	–	SHC1099ZP	–	–	–
1	.38"-.50" (9.7-12.7)	F4	Blue	SHC1039	–	–	SHC1039CR	–
	.50"-.63" (12.7-15.9)		Brown	SHC1040	–	–	SHC1040CR	SHC2040CR
	.63"-.75" (15.9-19.0)		Yellow	SHC1041	–	SHC1041SS	SHC1041CR	SHC2041CR
	.75"-.88" (19.0-22.2)		Orchid	SHC1042	–	SHC1042SS	SHC1042CR	SHC2042CR
	.88"-1.00"(22.2-25.4)		Gray	SHC1043	SHC1043ZP	SHC1043SS	SHC1043CR	SHC2043CR
	1.00"-1.13" (25.4-28.6)		Pink	SHC1044**	–	SHC1044SS**	SHC1044CR**	SHC2044CR**

Note: See pages Y-77 to Y-87 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page Y-74 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
Form 4 aluminum and plated steel nuts are machined, bodies are cast aluminum.
Locknuts sold separately. See page Y-74 for additional information.

Dimensions in Inches (mm)

Straight Male Cord Connectors

Form Size 5-8

UL Listed to Type 4, 4X, 12 and 13

IP66* SUITABILITY





Straight Male

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Cast Aluminum	Malleable Iron
1	.88"-1.00" 1.00"-1.13" 1.13"-1.25" 1.25"-1.38"	(22.2-25.4) (25.4-28.6) (28.6-31.7) (31.7-34.9)	F5	**SHC1046** **SHC1047**** **SHC1048**** **SHC1049****	— — — —
1-1/4	.75"-.88" .88"-1.00" 1.00"-1.13" 1.13"-1.25" 1.25"-1.38"	(19.0-22.2) (22.2-25.4) (25.4-28.6) (28.6-31.7) (31.7-34.9)	F5	**SHC1050** **SHC1051** **SHC1052** **SHC1053** **SHC1054****	— — **SHC1052ZP** **SHC1053ZP** **SHC1054ZP**
1-1/2	.75"-.88" .88"-1.00" 1.00"-1.13" 1.13"-1.25" 1.25"-1.38"	(19.0-22.2) (22.2-25.4) (25.4-28.6) (28.6-31.7) (31.7-34.9)	F5	**SHC1055** **SHC1056** **SHC1057** **SHC1058** **SHC1059**	— — **SHC1057ZP** **SHC1058ZP** **SHC1059ZP**
1-1/2	1.38"-1.50" 1.50"-1.63" 1.63"-1.75" 1.75"-1.88"	(34.9-38.1) (38.1-41.3) (41.3-44.4) (44.4-47.6)	F6	**SHC1061** **SHC1062**** **SHC1063**** **SHC1064****	— — — —
2	1.25"-1.38" 1.38"-1.50" 1.50"-1.63" 1.63"-1.75" 1.75"-1.88"	(31.7-34.9) (34.9-38.1) (38.1-41.3) (41.3-44.4) (44.4-47.6)	F6	**SHC1065** **SHC1066** **SHC1067** **SHC1068** **SHC1069**	— — — — —
2	1.69"-1.81" 1.81"-1.94" 1.94"-2.06" 2.06"-2.19" 2.19"-2.31"	(42.9-46.0) (46.0-49.2) (49.2-52.4) (52.4-55.6) (55.6-58.7)	F7	**SHC1070** **SHC1071** **SHC1072**** **SHC1073**** **SHC1074****	— — — — —
2-1/2	1.69"-1.81" 1.81"-1.94" 1.94"-2.06" 2.06"-2.19" 2.19"-2.31" 2.31"-2.44"	(42.9-46.0) (46.0-49.2) (49.2-52.4) (52.4-55.6) (55.6-58.7) (58.7-61.9)	F7	**SHC1076** **SHC1077** **SHC1078** **SHC1079** **SHC1080** **SHC1081****	— — — — — —
3	1.69"-1.81" 1.94"-2.06" 2.06"-2.19" 2.19"-2.31" 2.31"-2.44"	(42.9-46.0) (49.2-52.4) (52.4-55.6) (55.6-58.7) (58.7-61.9)	F7	**SHC1086** **SHC1088** **SHC1089** **SHC1090** **SHC1091**	— — — — —
3	2.44"-2.63" 2.63"-2.81" 2.81"-3.00" 3.00"-3.25"	(61.9-66.7) (66.7-71.4) (71.4-76.2) (76.2-82.5)	F8	**SHC1092** **SHC1093** **SHC1094** **SHC1095****	— — — —

Note: See pages Y-77 to Y-87 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page Y-74 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
Locknuts sold separately. See page Y-74 for additional information.

Dimensions in Inches (mm)

Form Size 1-6

UL Listed to Type 4, 4X, 12 and 13

IP66* SUITABILITY



90° Male

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Color Code	Machined Aluminum†	Machined Zinc-Plated SteelΔ	Cast Aluminum	Nylon Gray	Nylon Black
3/8	.25"-.31"	(6.3-7.9)	F1	Black	**NHC1010**	–	–	–	–
	.31"-.38"	(7.9-9.5)		White	**NHC1011**	–	–	–	–
	.38"-.44"	(9.5-11.0)		Blue	**NHC1012**	–	–	–	–
1/2	.06"-.13"	(1.6-3.2)	F2	Green	–	–	–	–	–
	.13"-.19"	(3.2-4.7)		Orange	**NHC1020**	–	–	**NHC1020CR**	–
	.19"-.25"	(4.7-6.3)		Red	**NHC1021**	**NHC1021ZP**	–	**NHC1021CR**	–
	.25"-.38"	(6.3-9.7)		White	**NHC1022**	**NHC1022ZP**	–	**NHC1022CR**	**NHC2022CR**
	.38"-.50"	(9.7-12.7)		Blue	**NHC1023**	**NHC1023ZP**	–	**NHC1023CR**	**NHC2023CR**
	.50"-.63"	(12.7-15.9)		Brown	**NHC1024****	**NHC1024ZP****	–	**NHC1024CR****	**NHC2024CR****
3/4	.38"-.50"	(9.7-12.7)	F3	Blue	**NHC1035**	**NHC1035ZP**	–	**NHC1035CR**	–
	.50"-.63"	(12.7-15.9)		Brown	**NHC1036**	**NHC1036ZP**	–	**NHC1036CR**	–
	.63"-.75"	(15.9-19.0)		Yellow	**NHC1037**	**NHC1037ZP**	–	**NHC1037CR**	–
	.75"-.88"	(19.0-22.2)		Orchid	**NHC1038**	**NHC1038ZP**	–	**NHC1038CR**	–
1	.50"-.63"	(12.7-15.9)	F4	Brown	**NHC1040**	–	–	–	–
	.63"-.75"	(15.9-19.0)		Yellow	**NHC1041**	**NHC1041ZP**	–	**NHC1041CR**	**NHC2041CR**
	.75"-.88"	(19.0-22.2)		Orchid	**NHC1042**	–	–	**NHC1042CR**	**NHC2042CR****
	.88"-1.00"	(22.2-25.4)		Gray	**NHC1043****	–	–	**NHC1043CR**	–
	1.00"-1.13"	(25.4-28.7)		Pink	**NHC1044****	–	–	–	–
1-1/4	.88"-1.00"	(22.2-25.4)	F5	–	–	–	**NHC1051**	–	–
	1.00"-1.13"	(25.4-28.6)		–	–	–	**NHC1052**	–	–
	1.13"-1.25"	(28.6-31.7)		–	–	–	**NHC1053****	–	–
	1.25"-1.38"	(31.7-34.9)		–	–	–	**NHC1054****	–	–
1-1/2	1.00"-1.13"	(25.4-28.6)	F5	–	–	–	**NHC1057**	–	–
	1.13"-1.25"	(28.6-31.7)		–	–	–	–	–	–
	1.25"-1.38"	(31.7-34.9)		–	–	–	**NHC1059**	–	–
2	1.38"-1.50"	(34.9-38.1)	F6	–	–	–	**NHC1066**	–	–
	1.50"-1.63"	(38.1-41.3)		–	–		**NHC1067**	–	–



45° Male

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Color Code	Machined Aluminum†	Machined Zinc-Plated SteelΔ	Cast Aluminum
1/2	.19"-.25"	(4.7-6.3)	F2	Red	**VHC1021**	–	–
	.25"-.38"	(6.3-9.7)		White	**VHC1022**	**VHC1022ZP**	–
	.38"-.50"	(9.7-12.7)		Blue	**VHC1023**	**VHC1023ZP**	–
	.50"-.63"	(12.7-15.9)		Brown	**VHC1024****	**VHC1024ZP****	–
3/4	.38"-.50"	(9.7-12.7)	F3	Blue	**VHC1035**	–	–
	.50"-.63"	(12.7-15.9)		Brown	**VHC1036**	–	–
	.63"-.75"	(15.9-19.0)		Yellow	**VHC1037****	–	–
1	.63"-.75"	(15.9-19.0)	F4	Yellow	**VHC1041**	–	–
	.75"-.88"	(19.0-22.2)		Orchid	**VHC1042**	–	–
1-1/4	1.00"-1.13"	(25.4-28.6)	F5		–	–	**VHC1052**
	1.13"-1.25"	(28.6-31.7)			–	–	**VHC1053****

Note: See pages Y-77 to Y-87 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page Y-74 for additional information.*
***Cable jacket may have to be stripped to pass through connector body.*
†Nuts are machined aluminum and bodies are cast aluminum.
ΔCompression nuts are machined zinc-plated steel and bodies are zinc-plated malleable iron. Locknuts sold separately. See page Y-74 for additional information.

Dimensions in Inches (mm)

Straight Female, Underground Feeder and Metric Connectors

Form Size 1-4



Straight Female

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Color Code	Machined Aluminum
1/2	.25"-.38" .38"-.50"	(6.3-9.7) (9.7-12.7)	F2	White Blue	**FHC1022** **FHC1023**
3/4	.38"-.50" .50"-.63"	(9.7-12.7) (12.7-15.9)	F2	Blue Brown	**FHC1033** **FHC1034**
1	.75"-.88" .88"-1.00"	(19.0-22.2) (22.2-25.4)	F4	Orchid Gray	**FHC1042†** **FHC1043†**

Note: See pages Y-77 to Y-87 for technical information and dimensional drawings.
Cable jacket may have to be stripped to pass through connector body.
†Nuts are machined aluminum and bodies are cast aluminum.






IP66*
SUITABILITY

Underground Feeder Connectors

NPT Hub Size	Cord Diameter Inches (mm)		Wire Size	UF** Machined Aluminum	Machined Zinc-Plated Steel	Nylon Gray	Nylon Black
1/2	.2"x.4" min .25"-.55" max	(5.1 x 10.2) (6.3 x 14.0)	2 # 14, 2 # 12, 2 # 10.	**UFC0001**	**UFC0001ZP**	**UFC0001CR**	**UFC2001CR**
3/4	.2"x.4" min .25"-.55" max	(5.1x10.2) (6.3x14.0)	2 # 14, 2 # 12, 2 # 10.	**UFC0002**	—	—	—
3/4	.2"x.6" min .26"x.78" max	(5.1x15.2) (6.6x19.8)	3 # 14, 3 # 12, 3 # 10.	**UFC0003**	—	**UFC0003CR**	**UFC2003CR**

Note: See pages Y-77 to Y-87 for technical information and dimensional drawings.
**IP66 Suitability when used with optional metal clad O-ring, see page Y-74 for additional information.*
***Wire sizes vary among manufacturers.*
Locknuts sold separately, see page Y-74 for additional information.



UL Listed to Type 4, 4X, 12 and 13†

Metric Aluminum Cord Connectors

Metric Hub Size	Cord Diameter Inches (mm)		Form Size	Color Code	Catalog Number
M16	.31"-.38"	(7.9-9.7)	F1	White	**SHCM161011**
M20	.31"-.38"	(7.9-9.7)	F1	White	**SHCM201017**
M20	.25"-.38" .38"-.50" .50"-.62"	(6.3-9.7) (9.7-12.7) (12.7-15.8)	F2	White Blue Brown	**SHCM201022** **SHCM201023** **SHCM201024**
M25	.38"-.50" .50"-.62"	(9.7-12.7) (12.7-15.8)	F2	Blue Brown	**SHCM251033** **SHCM251034**
M30	.63"-75"	(15.9-19.0)	F3	Yellow	**SHCM301037**

Note: †When used with metal clad O-ring, see page Y-74 for additional information.
Non-metallic locknuts sold separately, see page Y-74 for additional information.

Dimensions in Inches (mm)

Non-Metallic Cord Connectors





IP66*
SUITABILITY

Low Profile NPT Cord Connectors

NPT Hub Size	Cord Diameter Inches (mm)		Black	Gray	Non-Metallic Locknuts
3/8	.18"-.31"	(4.6-7.9)	**SEC38BA***	**SEC38GA***	**31622002LPK50**
1/2	.17"-.45"	(4.3-11.4)	**SEC50BA**	**SEC50GA**	**31622003LPK50**
3/4	.25"-.48"	(6.35-12.19)	—	**SEC75RGA**	**31622007LPK50**
3/4	.45"-.71"	(11.4-18.0)	**SEC75BA**	**SEC75GA**	**31622007LPK50**
1	.59"-1.00"	(15-25.4)	**SEC100BA**	**SEC100GA**	**31622008LPK50**

Note: See pages Y-77 to Y-87 for technical information and dimensional drawings.
Catalog numbers with "PK50" suffix are bulk packed 50 pieces.

Low Profile PG△ Cord Connectors

Hub Size	Cord Diameter Inches (mm)		Black	Gray	Non-Metallic Locknuts
PG7	.11"-.25"	(2.9-6.4)	**SECP7BA***	**SECP7GA***	**LNP7BPK100**
PG9	.18"-.31"	(4.6-7.9)	**SECP9BA***	**SECP9GA***	**LNP9BPK100**
PG11	.23"-.40"	(5.8-10.0)	**SECP11BA***	**SECP11GA***	**LNP11BPK100**
PG13.5	.17"-.47"	(4.3-11.9)	**SECP13BA**	**SECP13GA**	**LNP13BPK100**
PG16	.23"-.53"	(5.8-13.5)	**SECP16BA**	**SECP16GA**	**LNP16BPK100**
PG21	.45"-.71"	(11.4-17.9)	**SECP21BA**	**SECP21GA**	**LNP21BPK100**
PG29	.59"-.99"	(15-25.2)	**SECP29BA**	**SECP29GA**	**LNP29BPK25**
PG36	.88"-1.30"	(22.2-32.0)	**SECP36BA**	**SECP36GA**	**LNP36BPK25**

Low Profile Metric Cord Connectors

Hub Size	Cord Diameter Inches (mm)		Black	Gray	Non-Metallic Locknuts
M12	.12"-.25"	(2.9-6.4)	**SECM12B**	**SECM12G**	**LNM12BPK100**
M16	.11"-.31"	(2.7-7.9)	**SECM16B**	**SECM16G**	**LNM16BPK100**
M20	.17"-.45"	(4.3-11.4)	**SECM20B***	**SECM20G***	**LNM20BPK100**
M25	.49"-.71"	(12.3-18.0)	**SECM25B***	**SECM25G***	**LNM25BPK100**
M32	.59"-1.00"	(15.0-25.4)	**SECM32B***	**SECM32G***	**LNM32BPK100**
M40	.87"-1.30"	(22.0-32.0)	**SECM40B**	**SECM40G**	**LNM40BPK100**

Note: See pages Y-77 to Y-87 for technical information and dimensional drawings.
Catalog numbers above with "PK100" suffix, i.e. LNP7BPK100, are bulk packed 100 per carton.
Catalog numbers above with "PK25" suffix, i.e. LNP29BPK25, are bulk packed 25 per carton.
**Items indicated are UL recognized components.*
ΔPanzergewinde.




Low Profile Multi-Hole Cord Grip Connectors

NPT Hub Size	Cord Diameter Inches (mm)		Color	Material	Holes	Catalog Number
1/2	.205"	(5.2mm)	Black	Nylon	2	**SEC50B252**
3/4	.205"	(5.2mm)	Black	Nylon	3	**SEC75B352**
3/4	.205"	(5.2mm)	Black	Nylon	4	**SEC75B452**
1/2	.220"	(5.6mm)	Black	Nylon	3	**SEC50B356**
1	.215"	(5.5mm)	Black	Nylon	9*	**SEC100BSMH9**
1-1/4	.215"	(5.5mm)	Black	Nylon	13*	**SEC125BSMH13**

*Note: *Skinned bushings, field configurable.*

Dimensions in Inches (mm)





Multi-Hole Cord Grip Connectors

NPT Hub Size	Cord Diameter Inches	(mm)	Form Size	Material	Holes	Catalog Number
1/2	0.23-0.29"	(5.8-7.4mm)	F2	Aluminum	2	**MHC1022**
3/4	0.23-0.29"	(5.8-7.4mm)	F3	Aluminum	4	**MHC1032**
1/2	0.23-0.29"	(5.8-7.4mm)	F2	Nylon Gray	2	**MHC1022CR**
1/2	0.23-0.29"	(5.8-7.4mm)	F2	Nylon Black	2	**MHC2022CR**
3/4	0.23-0.29"	(5.8-7.4mm)	F3	Nylon Gray	4	**MHC1032CR**
3/4	0.23-0.29"	(5.8-7.4mm)	F3	Nylon Black	4	**MHC2032CR**




Cord Connector Parts

NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Bushing Catalog Number	Color Code	GOTCHA® Ring Catalog Number
1/4, 3/8, 1/2	.062"-.125" .125"-.187" .187"-.250" .250"-.312" .312"-.375" .375"-.437"	(1.58-3.17) (3.17-4.76) (4.76-6.35) (6.35-7.93) (7.93-9.50) (9.50-11.1)	F1	**31518101BPK100** **31518102BPK100** **31518103BPK100** **31518104BPK100** **31518105BPK100** **31518106BPK100**	Green Orange Red Black White Blue	**31648035GPK100** **31648036GPK100** **31648037GPK100** **31648038GPK100** **31605010GPK100** **31648039GPK100**
1/2, 3/4	.187"-.250" .250"-.375" .375"-.500" .500"-.625"	(4.76-6.35) (6.35-9.50) (9.50-12.7) (12.7-15.8)	F2	**31518110BPK100** **31518111BPK100** **31518112BPK100** **31518113BPK100**	Red White Blue Brown	**31648042GPK100** **31605015GPK100** **31648043GPK100** **31648044GPK100**
1/2, 3/4	.375"-.500" .500"-.625" .625"-.750" .750"-.875"	(9.50-12.7) (12.7-15.8) (15.8-19.0) (19.0-22.2)	F3	**31518116BPK100** **31518117BPK100** **31518118BPK100** **31518119BPK100**	Blue Brown Yellow Orchid	**31648045GPK100** **31648046GPK100** **31648047GPK100** **31648048GPK100**
1	.500"-.625" .625"-.750" .750"-.875" .875"-1.00" 1.00"-1.125"	(12.7-15.8) (15.8-19.0) (19.0-22.2) (22.2-25.4) (25.4-28.5)	F4	**31518123BPK100** **31518124BPK100** **31518125BPK100** **31518126BPK100** **31518127BPK100**	Brown Yellow Orchid Gray Pink	**31648050GPK100** **31648051GPK100** **31648052GPK100** **31648053GPK100** **31648054GPK100**

Note: Catalog numbers above with "PK100" suffix, i.e. 31518101BPK100, are bulk packed 100 per carton





Locknuts and Metal Clad Sealing O-Rings

NPT Hub Size	Zinc-Plated Steel Locknuts	Non-Metallic Locknuts	Metal Clad Sealing O-Rings*
1/4	—	**31622001LPK50**	—
3/8	—	**31622002LPK50**	—
1/2	**00322001LPK50**	**31622003LPK50**	**20509001**
3/4	**00322002LPK50**	**31622007LPK50**	**20509002**
1	**00322003LPK50**	**31622008LPK50**	**20509003**
1-1/4	**00322004LPK50**	—	**20509004**
1-1/2	**00322005LPK50**	—	**20509005**
2	**00322006LPK50**	—	**20509006**
2-1/2	**00322007LPK50**	—	**20509007**
3	**00322008LPK50**	—	**20509008**

Note: Catalog numbers above with "PK50" suffix, i.e. 00322001LPK50, are bulk packed 50 per carton. See page Y-86 for technical information and dimensional drawings.
**UL Listed and CSA certified.*

Dimensions in Inches (mm)

Features and Benefits

Hubbell Juniors are a miniature liquidtight version of the full-sized Hubbell cord connectors. They feature the same GOTCHA® ring technology and neoprene bushings. They also come with or without a nylon spiral for arc-of-bend control and longer cord life. They are available in 1/4", 3/8", and 1/2" NPT sizes in both gray and black.





Liquidtight Seal

- Lubricated neoprene bushing compresses evenly for a liquidtight seal and added pull-out protection
- Nylon connector body is a one-piece design with a tapered interior that seals the bushing evenly for a positive seal



Connector Body

- Nylon spiral provides arc-of-bend control for cord protection
- Threaded hexagon shaped nylon locknut secures tightly and is also corrosion resistant



Connector Protection

- Patented GOTCHA® ring incorporates a split hinge design to prevent friction and provide strain relief
- Nylon compression nut has a tapered interior dome to easily drive the bushing into the connector body



Comprehensive Offering

- Hubbell Juniors are a miniature liquidtight version of the full-sized Hubbell cord connectors and feature the same GOTCHA® ring technology and neoprene bushings

Hubbell Juniors® Miniature Nylon Cord Connectors

Miniature Nylon Cord Connector

NPT Hub Size	Cord Diameter Range Inches	(mm)	Black	Gray
1/4	.08"-.14" .14"-.20" .20"-.27"	(1.9-3.4) (3.4-5.1) (5.1-6.7)	HJ1001BPK25 HJ1002BPK25 HJ1003BPK25	HJ1001GPK25 HJ1002GPK25 HJ1003GPK25
3/8	.15"-.21" .21"-.28" .28"-.34"	(3.7-5.3) (5.3-7.0) (7.0-8.6)	HJ1004BPK25 HJ1005BPK25 HJ1006BPK25	HJ1004GPK25 HJ1005GPK25 HJ1006GPK25
1/2	.06"-.13" .13"-.19" .19"-.25" .25"-.31" .31"-.38" .38"-.44"	(1.6-3.2) (3.2-4.7) (4.7-6.3) (6.3-7.9) (7.9-9.5) (9.5-11.1)	HJ1055BPK25 HJ1056BPK25 HJ1057BPK25 HJ1058BPK25 HJ1059BPK25 HJ1060BPK25	HJ1055GPK25 HJ1056GPK25 HJ1057GPK25 HJ1058GPK25 HJ1059GPK25 HJ1060GPK25



Black Cord Connector



Gray Cord Connector

Miniature Nylon Cord Connector with Spiral

NPT Hub Size	Cord Diameter Range Inches	(mm)	Black	Gray
1/4	.08"-.14" .14"-.20" .20"-.27"	(1.9-3.4) (3.4-5.1) (5.1-6.7)	HJ1010BPK25 HJ1011BPK25 HJ1012BPK25	HJ1010GPK25 HJ1011GPK25 HJ1012GPK25
3/8	.15"-.21" .21"-.28" .28"-.34"	(3.7-5.3) (5.3-7.0) (7.0-8.6)	HJ1013BPK25 HJ1014BPK25 HJ1015BPK25	HJ1013GPK25 HJ1014GPK25 HJ1015GPK25
1/2	.13"-.19" .19"-.25" .25"-.31" .31"-.38" .38"-.44"	(3.2-4.7) (4.7-6.3) (6.3-7.9) (7.9-9.5) (9.5-11.1)	HJ1038BPK25 HJ1039BPK25 HJ1040BPK25 HJ1041BPK25 HJ1042BPK25	HJ1038GPK25 HJ1039GPK25 HJ1040GPK25 HJ1041GPK25 HJ1042GPK25
3/4	.25"-.49" .45"-.71"	(6.4-12.3) (11.4-18.0)	HJ1043BPK25* HJ1044BPK25*	HJ1043GPK25* HJ1044GPK25*

*Note: *Locknuts sold separately, see page Y-74 for additional information.*



Black Cord Connector with Spiral



Gray Cord Connector with Spiral

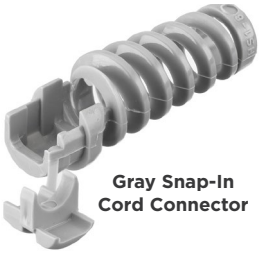
Miniature Nylon Snap-In Cord Connector with Spiral

Cord Diameter Range Inches	(mm)	For Chassis Thickness	Black	Gray
.22"-.27"	(5.6-6.9)	.10" (2.5) Max	HS1001BPK25	HS1001GPK25
.28"-.32"	(7.1-8.1)	.10" (2.5) Max	HS1002BPK25	HS1002GPK25
.30"-.36"	(7.6-9.1)	.13" (3.2) Max	HS1003BPK25	HS1003GPK25
.32"-.43"	(8.1-10.9)	.13" (3.2) Max	HS1004BPK25	HS1004GPK25

Note: Catalog numbers above with "PK25" suffix, i.e. HJ1001GPK25, are bulk packed 25 per carton.
See page Y-87 for technical information and dimensional drawings.



Black Snap-In Cord Connector



Gray Snap-In Cord Connector

Dimensions in Inches (mm)

Operating Temperatures

Material	Temperature Range
Aluminum	-40°F to +300°F (-40°C to +149°C)
Nylon (connectors and GOTCHA® rings)	-40°F to +225°F (-40°C to +107°C)
Plated steel*	-60°F to +1000°F (-51°C to +537°C)
Stainless steel*	-60°F to +1000°F (-51°C to +537°C)
Neoprene (bushings)	-30°F to +240°F (-34°C to +115°C)

*Note: *Due to the limiting factors of nylon and neoprene, any complete cord connector with a GOTCHA ring, Form 1-5, will continuously perform in the range of -30°F to +225°F (-34°C to +107°C). Cord connectors without GOTCHA rings, Form 6-8, will continuously operate in the range -30°F to +240°F (-34°C to +115°C) due to the limiting factor of neoprene.*

Hazardous Locations

Hubbell cord connectors are suitable for use in hazardous locations per Class I Div. 2, Class II Div. 1 & 2, Class III Div. 1 & 2 in accordance with the NEC.

Flammability

Hubbell nylon cord connectors have a UL 94-V2 rating.

Approvals

Agency

UL Listed in accordance with Standard 514B for indoor/outdoor use.
CSA Certified.
United States Coast Guard Approved, Title 46-Part 111.

Form Size Definition

The term "Form Size" refers to the physical overall size of a cord connector.
Form 1 is the smallest size.
Form 8 is the largest size.

Knockout Holes

Knockout Hole Recommended NPT Min. to Max.			Knockout Hole Recommended PG			Knockout Hole Recommended Metric		
Hub Size	Inches	(mm)	Hub Size	Inches	(mm)	Hub Size	Inches	(mm)
1/4	.54"-.57"	(13.7-14.5)	PG7	492"	(12.5)	M12	.472"	(12)
3/8	.67"-.70"	(17.0-17.8)	PG9	599"	(15.2)	M16	.629"	(16)
1/2	.86"-.91"	(21.8-23.0)	PG11	.733"	(18.6)	M20	.787"	(20)
3/4	1.04"-1.09"	(26.4-27.8)	PG13.5	.804"	(20.4)	M25	.984"	(25)
1	1.36"-1.41"	(34.5-35.7)	PG16	.888"	(22.5)	M32	1.25"	(32)
1-1/4	1.72"-1.77"	(43.7-44.9)	PG21	1.15"	(28.3)	M40	1.57"	(40)
1-1/2	1.97"-2.02"	(50.0-51.2)	PG29	1.47"	(34.3)			
2	2.45"-2.50"	(62.3-63.5)	PG36	1.85"	(47.0)			
2-1/2	2.95"-3.00"	(75.0-76.2)						
3	3.58"-3.63"	(90.9-92.1)						

NPT, PG and Metric Thread Low Profile Connectors

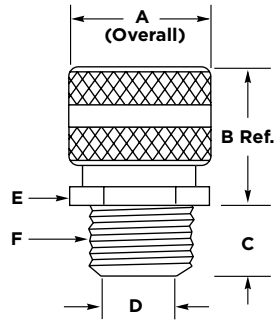
Specifications	
Material	6/6 Nylon.
Gland	Buna N.
Temperature Range	-22°F to 225°F (-30°C to 107°C). Cord Connectors are Halogen and Silicon free.
Protection Class	IP66 Suitability.
Flammability	UL 94X-2.
Listings/Certifications	UL Listing File E-41567, UL Recognition File E-41567. CSA File LR27378C, VDE Marks Licence #136681.

Dimensions in Inches (mm)

Straight Hubbell Connectors

		Aluminum Inches (mm)						Nylon Inches (mm)					
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*
1/4-18	1	.88″ (22.4)	.90″ (22.9)	.46″ (11.7)	.32″ (8.1)	.99″ (25.1)	.88″ (22.4)	1.00″ (25.4)	1.10″ (27.9)	.43″ (10.9)	.33″ (8.4)	.1.00″ (25.4)	.93″ (23.6)
3/8-18	1	.88″ (22.4)	.90″ (22.9)	.46″ (11.7)	.44″ (11.2)	.99″ (25.1)	.88″ (22.4)	1.00″ (25.4)	1.10″ (27.9)	.43″ (10.9)	.45″ (11.4)	.1.00″ (25.4)	.93″ (23.6)
1/2-14	1	.88″ (22.4)	.90″ (22.9)	.46″ (11.7)	.44″ (11.2)	1.00″ (25.4)	.88″ (22.4)	1.00″ (25.4)	1.10″ (27.9)	.46″ (11.7)	.45″ (11.4)	.1.00″ (25.4)	.93″ (23.6)
1/2-14	2	1.13″ (28.7)	1.10″ (27.9)	.55″ (14.0)	.64″ (16.3)	1.11″ (28.2)	1.00″ (25.4)	1.32″ (33.5)	1.50″ (38.1)	.53″ (13.5)	.58″ (14.7)	1.25″ (31.7)	1.12″ (28.4)
1/2-14	3	1.38″ (35.1)	1.50″ (38.1)	.55″ (14.0)	.64″ (16.3)	1.40″ (35.6)	1.25″ (31.7)	—	—	—	—	—	—
3/4-14	2	1.13″ (28.7)	1.10″ (27.9)	.55″ (14.0)	.64″ (16.3)	1.29″ (32.8)	1.13″ (28.7)	—	—	—	—	—	—
3/4-14	3	1.38″ (35.1)	1.50″ (38.1)	.55″ (14.0)	.82″ (20.8)	1.40″ (35.6)	1.25″ (31.7)	1.56″ (39.6)	1.60″ (40.6)	.55″ (14.0)	.77″ (19.6)	1.44″ (36.6)	1.31″ (33.3)
1-11-1/2	4	1.75″ (44.4)	1.60″ (40.6)	.71″ (18.0)	1.02″ (25.9)	1.81″ (46.0)	1.62″ (41.1)	1.88″ (47.8)	1.75″ (44.4)	.70″ (17.8)	1.01″ (25.7)	1.84″ (46.7)	1.63″ (41.4)
1-11-1/2	5	2.31″ (58.7)	1.70″ (43.2)	.66″ (16.8)	1.01″ (25.7)	2.28″ (57.9)	2.00″ (50.8)	—	—	—	—	—	—
1-1/4-11-1/2	5	2.31″ (58.7)	1.70″ (43.2)	.74″ (18.8)	1.26″ (32.0)	2.28″ (57.9)	2.12″ (53.8)	—	—	—	—	—	—
1-1/2-11-1/2	5	2.31″ (58.7)	1.70″ (43.2)	.74″ (18.8)	1.38″ (35.1)	2.28″ (57.9)	2.12″ (53.8)	—	—	—	—	—	—
1-1/2-11-1/2	6	3.00″ (76.2)	2.20″ (55.9)	.75″ (19.0)	1.50″ (38.1)	2.97″ (75.4)	2.75″ (69.8)	—	—	—	—	—	—
2-11-1/2	6	3.00″ (76.2)	2.20″ (55.9)	.80″ (20.3)	1.92″ (48.8)	3.24″ (82.4)	3.00″ (76.2)	—	—	—	—	—	—
2-11-1/2	7	3.85″ (97.8)	2.70″ (68.6)	.88″ (22.4)	1.94″ (49.3)	4.05″ (102.9)	3.75″ (95.2)	—	—	—	—	—	—
2-1/2-8	7	3.85″ (97.8)	2.70″ (68.6)	1.30″ (33.0)	2.32″ (58.9)	4.34″ (110.2)	4.02″ (102.1)	—	—	—	—	—	—
2-1/2-8	8	4.75″ (120.6)	2.70″ (68.6)	1.25″ (31.7)	2.38″ (60.5)	4.86″ (123.4)	4.50″ (114.3)	—	—	—	—	—	—
3-8	7	3.85″ (97.8)	2.70″ (68.6)	1.30″ (33.0)	2.54″ (64.5)	4.34″ (110.2)	4.02″ (102.1)	—	—	—	—	—	—
3-8	8	4.50″ (114.3)	2.70″ (68.6)	1.38″ (35.1)	3.00″ (76.2)	4.86″ (123.4)	4.50″ (114.3)	—	—	—	—	—	—

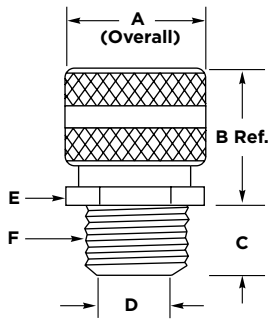
*Note: *A/C— Across Corners; A/F—Across Flats.*



Dimensions in Inches (mm)

		Zinc-Plated Steel Inches (mm)							Stainless Steel Inches (mm)						
F NPT Inches	Form	A		B	C	D Throat Dia.	E		A		B	C	D Throat Dia.	E	
		A/C*	A/F*	Ref.			A/C*	A/F*	A/C*	A/F*	Ref.			A/C*	A/F*
1/4- 18	1	—	—	—	—	—	—	—	1.01″ (25.7)	.88″ (22.4)	.90″ (22.9)	.46″ (11.7)	.38″ (9.7)	.87″ (22.1)	.75″ (19.0)
3/8-18	1	.98″ (24.9)	.88″ (22.4)	.90″ (22.9)	.42″ (10.7)	.45″ (11.4)	.99″ (25.1)	.88″ (22.4)	1.01″ (25.7)	.88″ (22.4)	.90″ (22.9)	.46″ (11.7)	.45″ (11.4)	.87″ (22.1)	.75″ (19.0)
1/2-14	1	.98″ (24.9)	.88″ (22.4)	.90″ (22.9)	.55″ (14.0)	.45″ (11.4)	1.00″ (25.4)	.88″ (22.4)	—	—	—	—	—	—	—
1/2-14	2	1.27″ (32.3)	1.13″ (28.7)	1.20″ (30.5)	.55″ (14.0)	.64″ (16.3)	1.10″ (28.2)	1.00″ (25.4)	1.30″ (33.0)	1.13″ (28.7)	1.10″ (27.9)	.54″ (13.7)	.63″ (16.0)	1.16″ (29.5)	1.00″ (25.4)
1/2-14	3	1.55″ (39.4)	1.38″ (35.1)	1.50″ (38.1)	.55″ (14.0)	.64″ (16.3)	1.40″ (35.6)	1.25″ (31.7)	—	—	—	—	—	—	—
3/4-14	2	1.27″ (32.3)	1.13″ (28.7)	1.20″ (30.5)	.55″ (14.0)	.64″ (16.3)	1.29″ (32.8)	1.13″ (28.7)	—	—	—	—	—	—	—
3/4-14	3	1.55″ (39.4)	1.38″ (35.1)	1.40″ (35.6)	.55″ (14.0)	.82″ (20.8)	1.40″ (35.6)	1.25″ (31.7)	1.59″ (40.4)	1.38″ (35.1)	1.30″ (33.0)	.56″ (14.2)	.81″ (20.6)	1.44″ (36.6)	1.25″ (31.7)
1-11-1/2	3	1.55″ (39.4)	1.38″ (35.1)	1.40″ (35.6)	.70″ (17.8)	.89″ (22.6)	1.54″ (39.1)	1.38″ (35.1)	—	—	—	—	—	—	—
1-11-1/2	4	1.92″ (48.8)	1.69″ (42.9)	1.60″ (40.6)	.70″ (17.8)	1.02″ (25.9)	1.95″ (49.5)	1.69″ (42.9)	2.02″ (51.3)	1.75″ (44.4)	1.40″ (35.6)	.70″ (17.8)	1.03″ (26.2)	1.88″ (47.8)	1.63″ (41.4)
1-11-1/2	5	2.40″ (61.0)	—	1.70″ (43.2)	.70″ (17.8)	1.02″ (25.9)	2.46″ (62.5)	2.15″ (54.6)	—	—	—	—	—	—	—
1-1/4-11-1/2	5	2.40″ (61.0)	—	1.70″ (43.2)	.73″ (18.5)	1.27″ (32.3)	2.48″ (63.0)	2.19″ (55.6)	—	—	—	—	—	—	—
1-1/2-11-1/2	5	2.40″ (61.0)	—	1.70″ (43.2)	.74″ (18.8)	1.39″ (35.3)	2.48″ (63.0)	2.19″ (55.6)	—	—	—	—	—	—	—
1-1/2-11-1/2	6	3.06″ (77.7)	—	2.20″ (55.9)	.75″ (19.0)	1.52″ (38.6)	3.04″ (77.2)	2.83″ (71.9)	—	—	—	—	—	—	—
2-11-1/2	6	3.06″ (77.7)	—	2.20″ (55.9)	.78″ (19.8)	1.92″ (48.8)	3.32″ (84.3)	3.07″ (78.0)	—	—	—	—	—	—	—
2-11-1/2	7	3.95″ (100.3)	—	2.70″ (68.6)	.78″ (19.8)	1.99″ (50.5)	4.18″ (106.2)	3.89″ (98.8)	—	—	—	—	—	—	—

*Note: *A/C— Across Corners; A/F—Across Flats.*



Dimensions in Inches (mm)

Hubbell Connectors

45° Hubbell Connectors

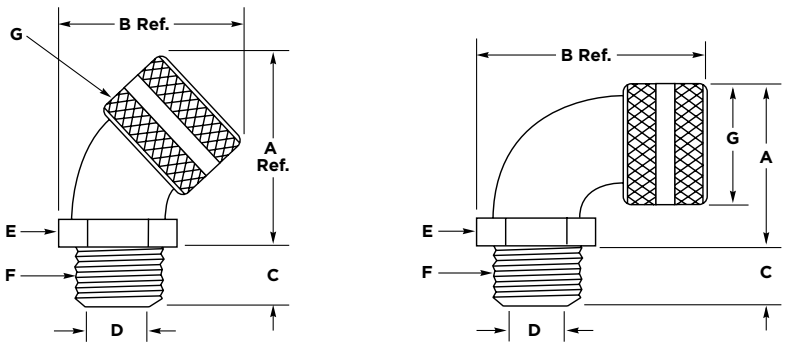
		Aluminum Inches (mm)							Zinc Plated Steel Inches (mm)							
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Dia.	A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Across Corners	G Across Flats
1/2-14	2	2.00" (50.8)	1.90" (48.3)	.55" (14.0)	.56" (14.2)	1.27" (32.3)	1.10" (27.9)	1.13" (28.6)	1.97" (50.0)	1.90" (48.3)	.55" (14.0)	.57" (14.4)	1.24" (31.5)	1.06" (26.9)	1.27" (32.3)	1.13" (28.6)
3/4-14	3	2.30" (58.4)	2.50" (65.3)	.56" (14.2)	.75" (19.0)	1.48" (37.6)	1.28" (32.5)	1.38" (34.9)	–	–	–	–	–	–	–	–
1-11-1/2	4	2.60" (66.0)	2.80" (71.1)	.70" (17.8)	1.00" (25.4)	1.69" (42.9)	1.50" (38.1)	1.75" (44.4)	–	–	–	–	–	–	–	–
1-1/2-11-1/2	5	3.90" (99.1)	3.90" (9.91)	.74" (18.8)	1.25" (31.7)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	–	–	–	–	–	–	–	–
1-1/2-11-1/2	5	3.90" (99.1)	3.90" (99.1)	.74" (18.8)	1.50" (38.1)	2.45" (62.2)	2.13" (54.0)	2.31" (58.7)	–	–	–	–	–	–	–	–

90° Hubbell Connectors

		Aluminum Inches (mm)							Zinc Plated Steel Inches (mm)							
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Dia.	A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Across Corners	G Across Flats
3/8-18	1	1.27" (32.3)	2.00" (50.8)	.46" (11.7)	.44" (11.2)	1.15" (29.2)	1.10" (27.9)	.88" (22.2)	–	–	–	–	–	–	–	–
1/2-14	2	1.56" (39.6)	2.30" (58.4)	.50" (12.7)	.55" (13.9)	1.30" (33.0)	1.13" (28.7)	1.13" (28.6)	1.65" (41.9)	2.38" (60.5)	.55" (14.0)	.55" (13.8)	1.29" (32.8)	1.13" (28.7)	1.27" (32.3)	1.13" (28.6)
3/4-14	3	1.79" (45.5)	2.80" (71.1)	.56" (14.2)	.77" (19.4)	1.49" (37.8)	1.31" (33.3)	1.38" (34.9)	1.88" (47.8)	2.90" (73.7)	.56" (14.2)	.77" (19.4)	1.52" (38.6)	1.33" (33.8)	1.55" (39.2)	1.38" (34.9)
1-11-1/2	4	2.08" (52.8)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.70" (43.2)	1.50" (38.1)	1.75" (44.4)	2.16" (54.9)	3.20" (81.3)	.70" (17.8)	1.00" (25.4)	1.72" (43.7)	1.50" (38.1)	1.92" (48.8)	1.69" (42.8)
1-1/4-11-1/2	5	3.18" (80.8)	4.30" (109.2)	.73" (18.5)	1.26" (32.0)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	–	–	–	–	–	–	–	–
1-1/2-11-1/2	5	3.18" (80.8)	4.30" (109.2)	.75" (19.2)	1.50" (38.1)	2.47" (62.7)	2.15" (54.6)	2.31" (58.7)	–	–	–	–	–	–	–	–
2-11-1/2	6	3.51" (89.2)	5.50" (139.7)	.80" (20.3)	1.92" (48.8)	2.98" (75.7)	2.78" (70.6)	3.00" (76.2)	–	–	–	–	–	–	–	–

90° Hubbell Connectors

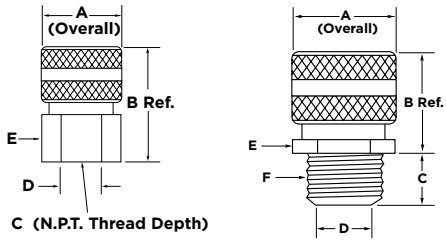
		Nylon Inches (mm)						
F NPT Inches	Form	A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats	G Dia.
3/8-18	1	–	–	–	–	–	–	–
1/2-14	2	1.41" (35.8)	2.50" (63.5)	.55" (14.0)	.58" (14.6)	1.23" (31.2)	1.12" (28.2)	1.32" (33.4)
3/4-14	3	1.65" (41.9)	2.81" (71.4)	.56" (14.2)	.77" (19.4)	1.42" (36.1)	1.29" (32.8)	1.56" (39.6)
1-11-1/2	4	1.99" (50.5)	3.30" (83.8)	.70" (17.8)	1.01" (25.7)	1.82" (46.2)	1.60" (40.6)	1.88" (47.6)



Dimensions in Inches (mm)

Female Hubbell Connectors

F NPT Inches	Form	Aluminum Inches (mm) A Dia.	B Ref.	C	D Throat Dia.	E Across Corners	E Across Flats
3/8-18	1	.88″ (22.4)	1.40″ (35.6)	.56″ (14.2)	.44″ (11.2)	.94″ (23.9)	.81″ (20.6)
1/2-14	2	1.13″ (28.7)	1.80″ (45.7)	.56″ (14.2)	.63″ (16.0)	1.15″ (29.2)	1.00″ (25.4)
3/4-14	2	1.13″ (28.7)	2.10″ (53.3)	.75″ (19.0)	.63″ (16.0)	1.44″ (36.6)	1.25″ (31.7)
1-11-1/2	4	1.75″ (44.5)	2.30″ (58.4)	.88″ (22.4)	1.10″ (27.9)	1.88″ (47.8)	1.63″ (41.4)
1-1/4-11-1/2	5	2.31″ (58.7)	2.80″ (71.1)	.95″ (24.1)	1.43″ (36.3)	2.64″ (67.1)	2.29″ (58.2)
1-1/2-11-1/2	5	2.31″ (58.7)	2.80″ (71.1)	.95″ (24.1)	1.43″ (36.3)	2.64″ (67.1)	2.29″ (58.2)



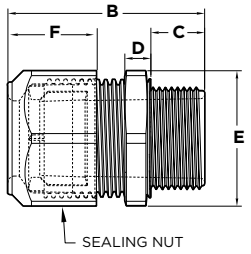
Underground Feeder Connectors

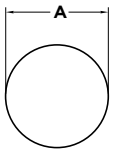
F NPT Inches	Form	Aluminum Inches (mm) A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	Zinc-Plated Steel Inches (mm) A A/C*	A A/F*	B Ref.	C	D Throat Dia.	E A/C*	E A/F*	Nylon Inches (mm) A Dia.	B Ref.	C	D Throat Dia.	E A/C*	E A/F*
1/2-14	2	1.13″ (28.7)	1.10″ (27.9)	.55″ (14.0)	.64″ (16.3)	1.10″ (27.9)	1.00″ (25.4)	1.27″ (32.3)	1.13″ (28.7)	1.20″ (30.5)	.55″ (14.0)	.64″ (16.3)	1.11″ (28.2)	1.00″ (25.4)	1.32″ (33.5)	1.50″ (38.1)	.55″ (14.0)	.58″ (14.7)	1.25″ (31.7)	1.13″ (28.7)
3/4-14	2	1.13″ (28.7)	1.10″ (27.9)	.55″ (14.0)	.64″ (16.3)	1.29″ (32.8)	1.13″ (25.4)	1.27″ (32.3)	1.13″ (28.7)	1.20″ (30.5)	.55″ (14.0)	.64″ (16.3)	1.29″ (32.8)	1.13″ (28.7)	–	–	–	–	–	–
3/4-14	3	1.13″ (28.7)	1.50″ (38.1)	.55″ (14.0)	.82″ (20.8)	1.40″ (35.6)	1.25″ (31.7)	1.55″ (39.4)	1.38″ (35.1)	1.40″ (35.6)	.56″ (14.2)	.82″ (20.8)	1.40″ (35.6)	1.25″ (31.7)	1.56″ (39.6)	1.60″ (40.6)	.56″ (14.2)	.77″ (19.6)	1.44″ (36.6)	1.31″ (33.3)

*Note: *A/C - Across Corners; A/F - Across Flats.*

Low Profile Non-Metallic NPT, PG and Metric Thread Connectors

Hub Size	Nylon Inches (mm) A	B	C	D	E	F
3/8 NPT	0.670″ (17.0)	1.41″ (35.8)	0.48″ (12.4)	0.21″ (5.3)	0.83″ (21.0)	0.55″ (14.0)
1/2 NPT	0.875″ (22.2)	1.70″ (43.2)	0.61″ (15.5)	0.21″ (5.3)	0.88″ (24.8)	0.66″ (16.8)
3/4 NPT	1.068″ (27.1)	2.00″ (50.8)	0.62″ (15.7)	0.25″ (6.3)	1.30″ (33.0)	0.85″ (21.6)
1 NPT	1.375″ (35.0)	2.41″ (61.2)	0.76″ (19.3)	0.30″ (7.6)	1.73″ (43.9)	1.05″ (26.7)
PG7	0.492″ (12.5)	1.16″ (29.5)	0.32″ (8.1)	0.21″ (5.3)	0.63″ (16.0)	0.48″ (12.4)
PG9	0.599″ (15.2)	1.25″ (31.8)	0.32″ (8.1)	0.21″ (5.3)	0.83″ (21.0)	0.55″ (14.0)
PG11	0.733″ (18.6)	1.48″ (37.6)	0.38″ (9.7)	0.21″ (5.3)	0.94″ (23.9)	0.70″ (17.8)
PG13.5	0.804″ (20.4)	1.53″ (38.9)	0.41″ (10.4)	0.21″ (5.3)	0.98″ (24.9)	0.66″ (16.8)
PG16	0.888″ (22.5)	1.68″ (42.7)	0.44″ (11.2)	0.25″ (6.4)	1.06″ (27.0)	0.76″ (19.3)
PG21	1.15″ (28.3)	1.89″ (48.0)	0.52″ (13.2)	0.25″ (6.4)	1.30″ (33.0)	.085″ (21.6)
PG29	1.47″ (37.30)	2.23″ (56.6)	0.58″ (14.7)	0.30″ (7.6)	1.73″ (43.9)	1.05″ (26.7)
PG36	1.85″ (47.0)	2.39″ (60.7)	0.47″ (11.9)	0.31″ (7.9)	2.05″ (52.7)	1.19″ (30.2)
M12	0.473″ (12.0)	1.16″ (29.5)	0.32″ (8.1)	0.21″ (5.3)	0.63″ (16.0)	0.49″ (12.4)
M16	0.630″ (16.0)	1.25″ (31.8)	0.32″ (8.1)	0.21″ (5.3)	0.83″ (21.0)	0.55″ (14.0)
M20	0.787″ (20.0)	1.53″ (38.9)	0.41″ (10.4)	0.21″ (5.3)	0.98″ (24.9)	0.66″ (16.8)
M25	0.985″ (25.0)	1.89″ (48.0)	0.52″ (13.2)	0.25″ (6.3)	1.30″ (33.0)	0.85″ (21.6)
M32	1.260″ (32.0)	2.23″ (56.6)	0.58″ (14.7)	0.30″ (7.6)	1.73″ (43.9)	1.05″ (26.7)
M40	1.575″ (40.0)	2.39″ (60.7)	0.48″ (12.2)	0.30″ (7.6)	2.05″ (52.1)	1.19″ (30.2)





Recommended knockout size

Dimensions in Inches (mm)

2 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		**#18**	**#18**	**#16**	**#14**	**#18**	**#16**	**#14**	**#12**	**#10**	**#8**
Approx. Dia. Inches (mm)		.25″ (6.2)	.31″ (7.8)	.33″ (8.4)	.37″ (9.3)	.38″ (9.7)	.40″ (10.2)	.54″ (13.7)	.62″ (15.6)	.68″ (17.1)	.81″ (20.6)
Color		Black	Black	White	White	Blue	Blue	Brown	Brown	Yellow	Orchid
NPT	**Form**	**Catalog Number***									
1/4	1	HC1004	HC1004	HC1005	HC1005	HC1006	HC1006	—	—	—	—
3/8	1	HC1010	HC1010	HC1011	HC1011	HC1012	HC1012	—	—	—	—
1/2	1	HC1016	HC1016	HC1017	HC1017	HC1018	HC1018	—	—	—	—
1/2	2	HC1022	HC1022	HC1022	HC1022	HC1023	HC1023	HC1024	HC1024	—	—
1/2	3	—	—	—	—	HC1025	HC1025	HC1026	HC1026	HC1027	HC1028
3/4	2	HC1032	HC1032	HC1032	HC1032	HC1033	HC1033	HC1034	HC1034	—	—
3/4	3	—	—	—	—	HC1035	HC1035	HC1036	HC1036	HC1037	HC1038
1	4	—	—	—	—	HC1039	HC1039	HC1040	HC1040	HC1041	HC1042
1	5	—	—	—	—	—	—	—	—	—	HC1045
1-1/4	5	—	—	—	—	—	—	—	—	—	HC1050
1-1/2	5	—	—	—	—	—	—	—	—	—	HC1055
1-1/2	6	—	—	—	—	—	—	—	—	—	—
2	6	—	—	—	—	—	—	—	—	—	—
2	7	—	—	—	—	—	—	—	—	—	—
2-1/2	7	—	—	—	—	—	—	—	—	—	—
3	7	—	—	—	—	—	—	—	—	—	—

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page Y-85.*
‡F5 and larger will not be color coded.

3 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		**#18**	**#18**	**#16**	**#14**	**#18**	**#16**	**#14**	**#12**	**#10**	**#8**
Approx. Dia. Inches (mm)		.26″ (6.5)	.33″ (8.3)	.35″ (8.9)	.39″ (9.8)	.39″ (9.9)	.42″ (10.7)	.57″ (14.4)	.65″ (16.4)	.71″ (18.0)	.85″ (21.5)
Color		Black	White	White	Blue	Blue	Blue	Brown	Yellow	Yellow	Orchid
NPT	**Form**	**Catalog Number***									
1/4	1	HC1004	HC1005	HC1005	HC1006	HC1006	HC1006	—	—	—	—
3/8	1	HC1010	HC1011	HC1011	HC1012	HC1012	HC1012	—	—	—	—
1/2	1	HC1016	HC1017	HC1017	HC1018	HC1018	HC1018	—	—	—	—
1/2	2	HC1022	HC1022	HC1022	HC1023	HC1023	HC1023	HC1024	—	—	—
1/2	3	—	—	—	HC1025	HC1025	HC1025	HC1026	HC1027	HC1027	HC1028
3/4	2	HC1032	HC1032	HC1032	HC1033	HC1033	HC1033	HC1034	—	—	—
3/4	3	—	—	—	HC1035	HC1035	HC1035	HC1036	HC1037	HC1037	HC1038
1	4	—	—	—	HC1039	HC1039	HC1039	HC1040	HC1041	HC1041	HC1042
1	5	—	—	—	—	—	—	—	—	—	HC1045
1-1/4	5	—	—	—	—	—	—	—	—	—	HC1050
1-1/2	5	—	—	—	—	—	—	—	—	—	HC1055
1-1/2	6	—	—	—	—	—	—	—	—	—	—
2	6	—	—	—	—	—	—	—	—	—	—
2	7	—	—	—	—	—	—	—	—	—	—
2-1/2	7	—	—	—	—	—	—	—	—	—	—
3	7	—	—	—	—	—	—	—	—	—	—

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page Y-85.*
‡F5 and larger will not be color coded.

Dimensions in Inches (mm)

2 Conductors

Cord Type		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		**#6**	**#4**	**#3**	**#2**	**#1**	**#1/0**	**#2/0**	**#3/0**	**#4/0**	**#250**
Approx. Dia. Inches (mm)		.94″ (23.8)	1.08″ (27.4)	1.17″ (29.7)	1.27″ (33.3)	1.44″ (36.6)	1.52″ (38.6)	1.65″ (41.9)	1.77″ (45.0)	1.92″ (48.8)	2.16″ (51.9)
Color		Gray‡	Pink‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	**Form**	**Catalog Number***									
1/4	1	—	—	—	—	—	—	—	—	—	—
3/8	1	—	—	—	—	—	—	—	—	—	—
1/2	1	—	—	—	—	—	—	—	—	—	—
1/2	2	—	—	—	—	—	—	—	—	—	—
1/2	3	—	—	—	—	—	—	—	—	—	—
3/4	2	—	—	—	—	—	—	—	—	—	—
3/4	3	—	—	—	—	—	—	—	—	—	—
1	4	HC1043	HC1044	—	—	—	—	—	—	—	—
1	5	HC1046	HC1047	HC1048	HC1049	—	—	—	—	—	—
1-1/4	5	HC1051	HC1052	HC1053	HC1054	—	—	—	—	—	—
1-1/2	5	HC1056	HC1057	HC1058	HC1059	—	—	—	—	—	—
1-1/2	6	—	—	—	HC1060	HC1061	HC1062	HC1063	HC1064	—	—
2	6	—	—	—	HC1065	HC1066	HC1067	HC1068	HC1069	—	—
2	7	—	—	—	—	—	—	—	HC1070	HC1071	HC1073
2-1/2	7	—	—	—	—	—	—	—	HC1076	HC1077	HC1079
3	7	—	—	—	—	—	—	—	HC1086	HC1087	HC1089

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page Y-85.*
‡F5 and larger will not be color coded.

3 Conductors

CordType		SVO, SV, SVT	SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		**#6**	**#4**	**#3**	**#2**	**#1**	**#1/0**	**#2/0**	**#3/0**	**#4/0**	**#250**
Approx. Dia. Inches (mm)		1.00″ (25.4)	1.17″ (29.7)	1.24″ (31.5)	1.34″ (34.0)	1.51″ (38.4)	1.65″ (41.9)	1.75″ (44.5)	1.80″ (48.0)	2.07″ (52.6)	2.39″ (60.7)
Color		Gray‡	‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	**Form**	**Catalog Number***									
1/4	1	—	—	—	—	—	—	—	—	—	—
3/8	1	—	—	—	—	—	—	—	—	—	—
1/2	1	—	—	—	—	—	—	—	—	—	—
1/2	2	—	—	—	—	—	—	—	—	—	—
1/2	3	—	—	—	—	—	—	—	—	—	—
3/4	2	—	—	—	—	—	—	—	—	—	—
3/4	3	—	—	—	—	—	—	—	—	—	—
1	4	HC1044	—	—	—	—	—	—	—	—	—
1	5	HC1047	HC1048	HC1048	HC1049	—	—	—	—	—	—
1-1/4	5	HC1052	HC1053	HC1053	HC1054	—	—	—	—	—	—
1-1/2	5	HC1057	HC1058	HC1058	HC1059	—	—	—	—	—	—
1-1/2	6	—	—	—	HC1060	HC1062	HC1063	HC1064	—	—	—
2	6	—	—	—	HC1065	HC1067	HC1068	HC1069	—	—	—
2	7	—	—	—	—	—	—	HC1070	HC1071	HC1073	HC1075
2-1/2	7	—	—	—	—	—	—	HC1076	HC1077	HC1079	HC1081
3	7	—	—	—	—	—	—	HC1086	HC1087	HC1089	HC1091

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page Y-85.*
‡F5 and larger will not be color coded.

Dimensions in Inches (mm)

4 Conductors

Cord Type		SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		#18	#16	#14	#18	#16	#14	#12	#10	#8
Approx. Dia. Inches (mm)		.36″ (9.0)	.39″ (9.8)	.43″ (10.8)	.42″ (10.7)	.45″ (11.4)	.61″ (15.5)	.70″ (17.8)	.77″ (19.4)	.97″ (24.6)
Color		White	Blue	Blue	Blue	Blue	Brown	Yellow	Orchid	Gray‡
NPT	Form	Catalog Number*								
1/4	1	HC1005	HC1006	HC1006	HC1006	—	—	—	—	—
3/8	1	HC1011	HC1012	HC1012	HC1012	—	—	—	—	—
1/2	1	HC1017	HC1018	HC1018	HC1018	—	—	—	—	—
1/2	2	HC1022	HC1023	HC1023	HC1023	HC1023	HC1024	—	—	—
1/2	3	—	HC1025	HC1025	HC1025	HC1025	HC1026	HC1027	HC1028	—
3/4	2	—	HC1033	HC1033	HC1033	HC1033	HC1034	—	—	—
3/4	3	—	HC1035	HC1035	HC1035	HC1035	HC1036	HC1037	HC1038	—
1	4	—	HC1039	HC1039	HC1039	HC1039	HC1040	HC1041	HC1042	HC1043
1	5	—	—	—	—	—	—	—	—	HC1046
1-1/4	5	—	—	—	—	—	—	—	—	HC1051
1-1/2	5	—	—	—	—	—	—	—	—	HC1056
1-1/2	6	—	—	—	—	—	—	—	—	—
2	6	—	—	—	—	—	—	—	—	—
2	7	—	—	—	—	—	—	—	—	—
2-1/2	7	—	—	—	—	—	—	—	—	—
3	7	—	—	—	—	—	—	—	—	—

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page Y-85.*
‡F5 and larger will not be color coded.

5 Conductors

Cord Type		S, SO, ST, STO								
Cord Size		#18	#16	#14	#12	#10	#8	#6		
Approx. Dia. Inches (mm)		.50″ (12.7)	.54″ (13.7)	.70″ (17.7)	.76″ (19.3)	.83″ (21.1)	1.06″ (26.9)	1.18″ (30.0)		
Color		Blue	Brown	Yellow	Orchid‡	Orchid‡	Pink‡	‡		
NPT	Form	Catalog Number*								
1/2	2	HC1023	HC1024	—	—	—	—	—		
1/2	3	HC1025	HC1026	HC1027	HC1028	HC1028	—	—		
3/4	2	HC1033	HC1034	—	—	—	—	—		
3/4	3	HC1035	HC1036	HC1037	HC1038	HC1038	—	—		
1	4	HC1039	HC1040	HC1041	HC1042	HC1042	HC1044	—		
1	5	—	—	—	HC1045	HC1045	HC1047	HC1048		
1-1/4	5	—	—	—	HC1050	HC1050	HC1052	HC1053		
1-1/2	5	—	—	—	HC1055	HC1055	HC1057	HC1058		

*Note: *Must add prefix, see Note 1; suffix, see Note 2, on page Y-85.*
‡F5 and larger will not be color coded.

Dimensions in Inches (mm)

4 Conductors

Cord Type		SJ, SJO, SJT, SJTO			S, SO, ST, STO					
Cord Size		**#6**	**#4**	**#3**	**#2**	**#1**	**#1/0**	**#2/0**	**#3/0**	**#4/0**
Approx. Dia. Inches (mm)		.94″ (23.8)	1.08″ (27.4)	1.17″ (29.7)	1.27″ (33.3)	1.44″ (36.6)	1.52″ (38.6)	1.65″ (41.9)	1.77″ (45.0)	1.92″ (48.8)
Color		Pink‡	‡	‡	‡	‡	‡	‡	‡	‡
NPT	**Form**	**Catalog Number***								
1/4	1	—	—	—	—	—	—	—	—	—
3/8	1	—	—	—	—	—	—	—	—	—
1/2	1	—	—	—	—	—	—	—	—	—
1/2	2	—	—	—	—	—	—	—	—	—
1/2	3	—	—	—	—	—	—	—	—	—
3/4	2	—	—	—	—	—	—	—	—	—
3/4	3	—	—	—	—	—	—	—	—	—
1	4	HC1044	—	—	—	—	—	—	—	—
1	5	HC1047	HC1049	HC1049	—	—	—	—	—	—
1-1/4	5	HC1052	HC1054	HC1054	—	—	—	—	—	—
1-1/2	5	HC1057	HC1059	HC1059	—	—	—	—	—	—
1-1/2	6	—	HC1060	HC1060	HC1061	HC1063	HC1064	—	—	—
2	6	—	HC1064	HC1065	HC1066	HC1068	HC1069	—	—	—
2	7	—	—	—	—	—	HC1070	HC1071	HC1073	HC1074
2-1/2	7	—	—	—	—	—	HC1076	HC1077	HC1079	HC1080
3	7	—	—	—	—	—	HC1086	HC1087	HC1089	HC1090

*Note: *Must add prefix, see Note 1; suffix, see Note 2, below.*
‡F5 and larger will not be color coded.

Note:

1. Add the proper prefix to the HC number to identify the type of connector desired:
   SHC = Straight Hubbell Connector
   NHC = 90° Hubbell Connector
   FHC = Female Hubbell Connector
   VHC = 45° Hubbell Connector

2. Add the proper suffix to identify material desired:
   Aluminum = No suffix
   Zinc-Plated Steel = ZP
   Corrosion Resistant Nylon = CR
   Stainless Steel = SS

3. This chart is a general guide to assist in the selection of Hubbell Cord Connectors for various cord sizes. The Hubbell Cord Connector catalog numbers selected, have been inserted into spaces which in our judgment represent the best cord connector which will fit the listed cord size. The diameters of the cords are approximate and may vary depending on the manufacturer. It is suggested that the appropriate cord manufacturer's dimension chart be consulted for exact dimensions.

4. Cable jacket may have to be stripped to allow conductors to pass through connector body.

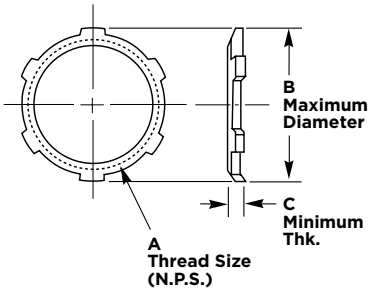
Dimensions in Inches (mm)

Thread Locknuts

NPT Thread Locknuts

Zinc-Plated Steel

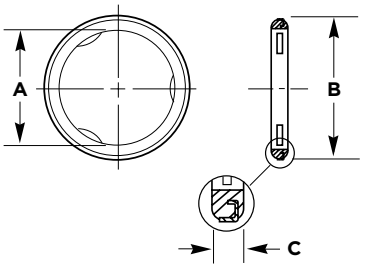
NPT Hub Size	A Inside Diameter	B Outside Dia.		C Thickness		Steel Catalog Number
	Inches	Inches	(mm)	Inches	(mm)	
1/2	1/2"-14	1.14"	(29.0)	.09"	(2.3)	**00322001LPK50**
3/4	3/4"-14	1.43"	(36.3)	.11"	(2.8)	**00322002LPK50**
1	1"-11-1/2	1.77"	(45.0)	.13"	(3.3)	**00322003LPK50**
1-1/4	1-1/4"-11-1/2	2.28"	(57.9)	.13"	(3.3)	**00322004LPK50**
1-1/2	1-1/2"-11-1/2	2.60"	(66.0)	.13"	(3.3)	**00322005LPK50**



Metal Clad Sealing O-Rings – Sizes 1/2 - 4

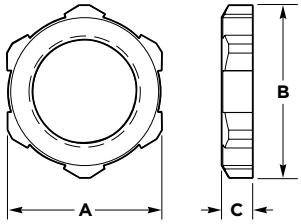
Zinc-Plated Steel with Neoprene Ring

NPT Hub Size	A Inside Diameter		B Outside Dia.		C Thickness		Catalog Number
	Inches	(mm)	Inches	(mm)	Inches	(mm)	
1/2	.80"	(20.3)	1.08"	(27.4)	.16"	(3.2)	**20509001**
3/4	1.00"	(25.4)	1.34"	(34.0)	.16"	(3.2)	**20509002**
1	1.25"	(31.6)	1.63"	(41.4)	.16"	(3.2)	**20509003**
1-1/4	1.61"	(40.9)	2.00"	(50.8)	.16"	(3.2)	**20509004**
1-1/2	1.84"	(46.7)	2.36"	(59.9)	.16"	(3.2)	**20509005**
2	2.31"	(58.7)	2.83"	(71.9)	.16"	(3.2)	**20509006**
Chrome Plated Steel with Neoprene Ring							
2-1/2	2.91"	(73.9)	3.44"	(87.4)	.24"	(6.1)	**20509007**
3	3.52"	(89.4)	4.08"	(103.6)	.24"	(6.1)	**20509008**



Nylon PG Thread Locknuts

PG Thread Size	A Inches	(mm)	B Inches	(mm)	C Inches	(mm)	Catalog Number
PG7	.75"	(19.1)	.80"	(20.3)	.22"	(5.6)	**LNP7BPK100**
PG9	.86"	(21.8)	.91"	(23.2)	.22"	(5.6)	**LNP9BPK100**
PG11	.94"	(23.9)	1.03"	(26.2)	.22"	(5.6)	**LNP11BPK100**
PG13.5	1.06"	(26.9)	1.14"	(29.0)	.24"	(6.1)	**LNP13BPK100**
PG16	1.18"	(30.0)	1.30"	(33.0)	.25"	(6.1)	**LNP16BPK100**
PG21	1.41"	(35.8)	1.54"	(39.1)	.25"	(6.1)	**LNP21BPK100**
PG29	1.81"	(46.0)	2.00"	(50.8)	.25"	(6.1)	**LNP29BPK25**
PG36	2.24"	(56.9)	2.50"	(63.5)	.25"	(6.1)	**LNP36BPK25**



Nylon Metric Thread Locknuts

PG Thread Size	A Inches	(mm)	B Inches	(mm)	C Inches	(mm)	Catalog Number
M12	.75"	(19.1)	.82"	(20.8)	.22"	(5.6)	**LNM12BPK100**
M16	.87"	(22.09)	.98"	(25.0)	.22"	(5.6)	**LNM16BPK100**
M20	1.06"	(27.0)	1.18"	(30.0)	.25"	(6.4)	**LNM20BPK100**
M25	1.38"	(35.1)	1.54"	(39.1)	.28"	(7.1)	**LNM25BPK100**
M32	1.61"	(40.9)	1.80"	(45.7)	.28"	(7.1)	**LNM32BPK100**
M40	1.97"	(50.0)	2.18"	(55.4)	.28"	(7.1)	**LNM40BPK100**

Dimensions in Inches (mm)

Material	Temperature Range
Nylon (connectors and GOTCHA® rings) Neoprene (bushings)	-40°F to +225°F (-40°C to +107°C) -30°F to +240°F (-34°C to +115°C)

Note: Due to the limiting factors of nylon and neoprene, any complete liquidtight Hubbell Junior will continuously perform in the range of -30°F to +225°F (-34°C to +107°C).

Snap-In continuously performs -40°F to +225°F (-40°C to +107°C).

Flammability

Hubbell Juniors have a UL 94X-2 rating.

Certifications

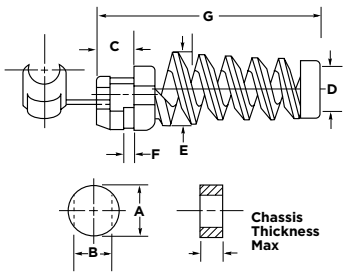
Product	Agency
Liquidtight and Liquidtight with Spiral	UL Listed CSA Certified
Snap-In	UL Recognized CSA Certified

Knockout Holes

	Knockout Hole Recommended NPT Min. to Max.	
Hub Size	Inches	(mm)
1/4	.54"-.57"	(13.7-14.5)
3/8	.67"-.70"	(17.0-17.8)
1/2	.86"-.91"	(21.8-23.0)

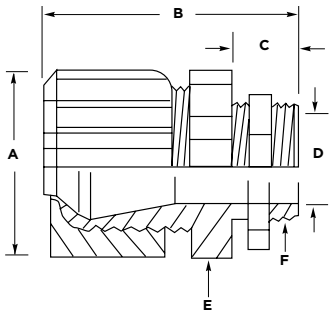
Snap-In

Diameter Range Inches (mm)	For Chassis Thickness (Max.) Inches (mm)	Required Hole Size A Inches (mm)	B Inches (mm)	Dimensional Specifications C Inches (mm)	Dimensional Specifications D Inches (mm)	E Inches (mm)	F Inches (mm)	G Inches (mm)
.22"-.27" (5.6-6.9)	.10" (2.5)	.50" (12.7)	.45" (11.4)	.28" (7.1)	.28" (7.1)	.54" (13.7)	.12" (3.0)	1.84" (44.2)
.28"-.32" (7.1-8.1)	.10" (2.5)	.50" (12.7)	.47" (11.9)	.28" (7.1)	.33" (8.4)	.59" (15.0)	.12" (3.0)	1.84" (44.2)
.30"-.36" (7.6-9.1)	.13" (3.3)	.63" (16.0)	.55" (14.0)	.36" (9.1)	.37" (9.4)	.65" (16.5)	.14" (3.6)	2.18" (55.4)
.32"-.43" (8.1-10.9)	.13" (3.3)	.75" (19.0)	.66" (16.8)	.45" (11.4)	.44" (11.2)	.75" (19.1)	.14" (3.6)	2.60" (66.0)



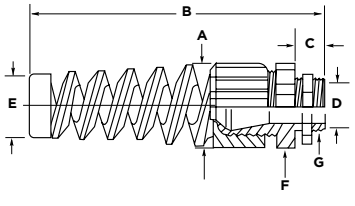
Liquidtight

F NPT Inches	A Dia. Inches (mm)	B Ref. Inches (mm)	C Inches (mm)	D Throat Dia. Inches (mm)	E Across Corners Inches (mm)	E Across Flats Inches (mm)
1/4-18	.65" (16.5)	1.30" (33.0)	.40" (10.2)	.29" (7.4)	.65" (16.5)	.60" (15.2)
3/8-18	.81" (20.6)	1.44" (36.6)	.41" (10.4)	.36" (9.1)	.81" (20.6)	.75" (19.1)
1/2-14	1.00" (25.4)	1.56" (39.6)	.46" (11.7)	.45" (11.4)	.99" (25.1)	.92" (23.4)



Liquidtight with Spiral

G NPT Inches	A Dia. Inches (mm)	B Ref. Inches (mm)	C Inches (mm)	D Throat Dia. Inches (mm)	E Inches (mm)	F Across Corners Inches (mm)	F Across Flats Inches (mm)
1/4-18	.65" (16.5)	2.55" (64.8)	.40" (10.2)	.29" (7.4)	.27" (6.9)	.65" (16.5)	.60" (15.2)
3/8-18	.81" (20.6)	3.10" (78.7)	.41" (10.4)	.36" (9.1)	.35" (8.9)	.81" (20.6)	.75" (19.1)
1/2-14	1.00" (25.4)	3.72" (94.5)	.46" (11.7)	.45" (11.4)	.45" (11.4)	.99" (25.1)	.92" (23.4)



Dimensions in Inches (mm)

Features and Benefits

PolyTuff I and PolyTuff II Non-Metallic Liquidtight Conduit

All non-metallic construction ends fatigue and separation problems. They can be cut cleanly with a knife or PVC cutter so there are no jagged metal edges.





PolyTuff I Conduit, Gray

- Rigid PVC core bonded to flexible PVC jacket
- Approved for outdoor use and direct burial
- UL Listed and CSA Certified



PolyTuff II Tubing, Black

- PVC core with corrugated walls bonded to PVC jacket
- Handles twists, turns, bends, switchbacks and straightaways with ease
- UL Recognized and CSA Certified

PolyTuff I Conduit

IP66 SUITABILITY

Trade Size (metric designator)	Feet (m)	Catalog Number
3/8 (12)	100 (30.5) 1200 (365.8)	**G1038** **G1038R1200**
1/2 (16)	100 (30.5) 1000 (304.8)	**G1050** **G1050R1000**
3/4 (21)	100 (30.5) 500 (152.4)	**G1075** **G1075R500**
1 (27)	100 (30.5) 500 (152.4)	**G1100** **G1100R500**
1-1/4 (35)	100 (30.5)	**G1125**
1-1/2 (41)	50 (15.2)	**G1150**
2 (53)	50 (15.2)	**G1200**

Note: See pages Y-57 and Y-58, Y-89 and Y-90 for approved fittings.
See pages Y-91 and Y-92 for technical information and dimensional drawings.



PolyTuff II Tubing

IP66 SUITABILITY

Trade Size (metric designator)	Feet (m)	Catalog Number
1/4 (10)	100 (30.5)	**B2025**
3/8 (12)	100 (30.5) 1200 (365.8)	**B2038** **B2038R1200**
1/2 (16)	100 (30.5) 1000 (304.8)	**B2050** **B2050R1000**
3/4 (21)	100 (30.5) 800 (243.8)	**B2075** **B2075R800**
1 (27)	100 (30.5) 500 (152.4)	**B2100** **B2100R500**
1-1/4 (35)	100 (30.5)	**B2125**
1-1/2 (41)	50 (15.2)	**B2150**
2 (53)	50 (15.2)	**B2200**





Note: See page Y-89 for approved fittings.
See pages Y-91 and Y-92 for technical information and dimensional drawings.

Dimensions in Inches (mm)

Straight with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
1/4 (10)	F2025	—
3/8 (12)	P038NBKA	P038NGYA
1/2 (16)	P050NBKA	P050NGYA
3/4 (21)	P075NBKA	P075NGYA
1 (27)	P100NBKA	P100NGYA
1-1/4 (35)	P125NBK	P125NGY
1-1/2 (41)	P150NBK	P150NGY
2 (53)	P200NBK	P200NGY

Note: Fittings are to be used with PolyTuff I and PolyTuff II.
See pages Y-93 and Y-94 for technical information and dimensional drawings.
3/8" Liquidtight conduit fitting have 1/2 NPT male threads.



P075NBKA P075NGYA

SwivelLok® Multi-Position with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
3/8 (12)	PS0389NBK	PS0389NGY
1/2 (16)	PS0509NBK	PS0509NGY
3/4 (21)	PS0759NBK	PS0759NGY
1 (27)	PS1009NBK	PS1009NGY

Note: Fittings are to be used with PolyTuff I and PolyTuff II.
See pages Y-93 and Y-94 for technical information and dimensional drawings.
3/8" Liquidtight conduit fitting have 1/2 NPT male threads.



PS0509NGY
SwivelLok® Multi-Position

Fixed 90°Fittings for Non-Metallic Conduit

Trade Size (metric designator)	Black Catalog Number	Gray Catalog Number
3/8 (12)	P0389NBK	P0389NGY
1/2 (16)	P0509NBK	P0509NGY
3/4 (21)	P0759NBK	P0759NGY
1 (27)	P1009NBK	P1009NGY
1-1/4 (35)	P1259NBK	P1259NGY

Note: Fittings are to be used with PolyTuff I and PolyTuff II.
See pages Y-93 and Y-94 for technical information and dimensional drawings.
3/8" Liquidtight conduit fitting have 1/2 NPT male threads.



P0759NBK P0759NGY

SwivelLok® Flexible Conduit Kit

Trade Size (metric designator)	Fitting and Conduit	Catalog Number
1/2 (16)	2 PS0509NGY, 6' G1050	PS05GYKIT

Note: See pages Y-93 and Y-94 for technical information and dimensional drawings.



PS05GYKIT

Dimensions in Inches (mm)

Metallic Liquidtight Conduit Fittings

Straight Conduit Fitting

Trade Size (metric designator)	Insulated
3/8 (12) 1/2 (16) 3/4 (21) 1 (27)	**H0381** **H0501** **H0751** **H1001**
1-1/4 (35) 1-1/2 (41) 2 (53) 2-1/2 (63)	**H1251** **H1501** **H2001** **H2501**
3 (78) 31/2 (91) 4 (103)	**H3001** **H3501** **H4001**

Note: 3/8" Liquidtight conduit fitting have 1/2 NPT male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page Y-95 for technical information.



H0751

45° Conduit Fitting

Trade Size (metric designator)	Insulated
3/8 (12) 1/2 (16) 3/4 (21) 1 (27)	**H03841** **H05041** **H07541** **H10041**
1-1/4 (35) 1-1/2 (41) 2 (53)	**H12541** **H15041** **H20041**

Note: 3/8" Liquidtight conduit fitting have 1/2 NPT male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page Y-95 for technical information.



H07541

90° Conduit Fitting

Trade Size (metric designator)	Insulated
3/8 (12) 1/2 (16) 3/4 (21) 1 (27)	**H03891** **H05091** **H07591** **H10091**
1-1/4 (35) 1-1/2 (41) 2 (53) 2-1/2 (63) 3 (78) 4 (103)	**H12591** **H15091** **H20091** **H25091** **H30091** **H40091**

Note: 3/8" Liquidtight conduit fitting have 1/2 NPT male threads.
For use with Liquidtight Metal conduit and PolyTuff I Non-Metallic conduit.
See page Y-95 for technical information.



H07591

Dimensions in Inches (mm)

PolyTuff I Conduit

Operating Temperature Range	
Wet environment Oil environment Dry environment	0°F to +140°F (-18°C to +60°C) 0°F to +158°F (-18°C to +70°C) 0°F to +176°F (-18°C to +80°C)
Certifications	
UL Listed CSA Certified	UL Standard 1660. Sunlight resistant approved for outdoor use, direct burial Meets requirements of NEC
Voltage Rating	
Maximum	600V
Material	
Conduit	Co-extruded rigid and flexible PVC

PolyTuff II Tubing

Operating Temperature Range	
Operating environment	0°F to +140°F (-18°C to +60°C)
Certifications	
UL Recognized CSA Certified	
Voltage Rating	
Maximum	Same as wire insulation rating
Material	
Tubing	Co-extruded rigid and flexible PVC

PolyTuff I Conduit

Trade Size (metric designator)	Conduit ID/OD		Bend Radius	
	Inches	(mm)	Inches	(mm)
3/8 (12)	.49"/.70"	(12.6/17.8)	2.00"	(50.8)
1/2 (16)	63"/.83"	(16.1/21.1)	3.00"	(76.2)
3/4 (21)	.83"/1.04"	(21.1/26.4)	4.00"	(101.6)
1 (27)	1.05"/1.30"	(26.0/33.1)	5.00"	(217.0)
1-1/4 (35)	1.40"/1.65"	(35.4/41.8)	6.30"	(158.8)
1-1/2 (41)	1.59"/1.88"	(40.3/47.8)	7.50"	(190.5)
2 (53)	2.03"/2.36"	(51.6/59.9)	10.00"	(254.0)

PolyTuff II Tubing

Trade Size (metric designator)	Conduit ID/OD		Bend Radius	
	Inches	(mm)	Inches	(mm)
1/4 (10)	.36"/.57"	(9.3/14.5)	1.50"	(38.1)
3/8 (12)	.49"/.70"	(12.6/17.8)	2.00"	(50.8)
1/2 (16)	.63"/.83"	(16.1/21.1)	3.00"	(76.2)
3/4 (21)	.83"/1.04"	(21.1/26.4)	4.00"	(101.6)
1 (27)	1.05"/1.30"	(26.0/33.1)	5.00"	(217.0)
1-1/4 (35)	1.40"/1.65"	(35.4/41.8)	6.30"	(158.8)
1-1/2 (41)	1.59"/1.88"	(40.3/47.8)	7.50"	(190.5)
2 (53)	2.03"/2.36"	(51.6/59.9)	10.00"	(254.0)

Dimensions in Inches (mm)

PolyTuff® I & II Conduit/Tubing; PVC Chemical Resistance

Chemical	Conc.*	Temp 70°F 21°C	Temp 150°F 66°C
Acetate Solvents		D	D
Acetic Acid		B	C
Acetic Acid (Glacial)		C	D
Acetone		D	D
Acrylontrile		A	B
Alcohols (Aliphatic)		C	C
Aluminum Chloride		A	A
Aluminum Sulfate (Alums)		A	A
Ammonia (Anhydrous Liquids)		D	D
Ammonia (Aqueous)		A	A
Ammoniated Latex		A	C
Ammonium Chloride		A	A
Ammonium Hydroxide		A	A
Amyl Acetate		D	D
Aniline Oils		D	D
Aromatic Hydrocarbons		D	D
Asphalt		D	D
ASTM Fuel A		C	C
ASTM Fuel B		D	D
ASTM #1 Oil		B	C
ASTM #3 Oil		C	D
Barium Chloride		A	A
Barium Sulfide		A	A
Barium Hydroxide		A	A
Benzene (Benzol)		D	D
Benzine (Petroleum Ether)		C	C
Black Liquor		A	A
Bordeaux Mixture		A	A
Boric Acid		A	A
Butyl Acetate		D	D
Butyl Alcohol		B	C
Calcium Hydroxide		A	A
Calcium Hypochlorite		A	A
Carbolic Acid (Phenol)		B	C
Carbon Dioxide		A	A
Carbon Disulfide		D	D
Carbon Tetrachloride		D	D
Carbonic Acid		A	A
Casein		A	C
Caustic Soda		A	B
Chlorine Gas (wet)		D	D
Chlorine Gas (dry)		D	D
Chlorine (water solution)		C	D
Chlorobenzene		D	D
Chlorinated Hydrocarbons		D	D
Chromic Acid		B	C
Citric Acid		A	A
Coal Tar		D	D
Coconut Oil		C	D
Corn Oil		A	B
Cottonseed Oil		C	D
Creosote		D	D
Cresol		C	D
Crysylic Acid		D	D
Cyclohexane		B	C
DDT Weed Killer		A	C
Dibutyl Phthalate		D	D
Diesel Oils		C	D
Diethylene Glycol		B	C
Diethyl Ether		A	C
Di-isodecyl Phthalate		D	D
Dioctyl Phthalate		D	D
Dow General Weed Killer (Phenol)		D	D
Dow General Weed Killer (H20)		B	C
Ethyl Alcohol		C	C
Ethylene Dichloride		D	D
Ethylene Glycol		B	C
Ferric Chloride		A	A
Ferric Sulfate		A	A
Ferrous Chloride		A	A
Ferrous Sulfate		A	A
Formaldehyde		D	D
Fuel Oil		B	C
Furfural		C	C
Gallic Acid		A	A
Gasoline (Hi Test)		C	D
Glycerine		A	A
Grease		A	C
Green Sulfate Liquor		A	A
Heptachlor in Petroleum Solvents		A	C
Heptane		C	D
Hexane		C	D
Hydrobromic Acid		A	A
Hydrochloric Acid	10%	A	A
Hydrochloric Acid	40%	C	C
Hydrofluoric Acid	70%	D	D
Hydrofluorosilicic Acid		A	A
Hydrofluorosilicic Acid	10%	A	A
Hydrogen Peroxide		A	B
Iso-Octane		C	C
Isopropyl Acetate		D	D
Isopropyl Acid		B	C
Jet Fuels (JP-3, and 5)		C	D
Kerosene		C	C
Ketones		D	D
Linseed Oil		A	A
Lubricating Oils		A	A
Magnesium Chloride		A	A
Magnesium Hydroxide		A	A
Magnesium Sulfate		A	A
Malathion 50 in Aromatics		D	D
Malic Acid		A	A
Methyl Acetate		D	D
Methyl Alcohol		C	C
Methyl Bromide		D	D
Methyl Ethyl Ketone		D	D
Methylene Chloride		D	D
Mineral Oil			
Monochlorobenezene		A	A
Muriatic Acid (see Hydrochloric Acid)			
Naphtha		C	D
Naphthalene		D	D
Nitric Acid	10%	A	B
Nitric Acid	35%	A	C
Nitric Acid	70%	D	D
Oleic Acid		A	C
Oleum		D	D
Oxalic Acid		A	A
Pentachlorophenol in Oil		B	C
Pentane		C	D
Perchloroethylene		B	C
Petroleum Ether		C	C
Phenol		A	A
Phosphoric Acid	10%	A	A
Pitch	50%	A	B
Potassium Hydroxide		C	D
Sodium Cyanide		A	A
Stoddard Solvent		D	D
Styrene		D	D
Sulfur Dioxide (liquid)		D	D
Sulfuric Acid	50%	A	B
Sulfuric Acid	98%	D	D
Sulfurous Acid		B	C
Tall Oil		D	D
Tannic Acid		A	A
Toluene		D	D
Trichlorethylene		D	D
Triethanol Amine		C	D
Tricresyl Phosphate (Skydrol)		D	D
Turpentine		C	D
Vinegar		A	B
Vinyl Chloride		D	D
Water		A	A
White Liquor		A	A
Xylene		D	D
Zinc Chloride		A	A
Zinc Sulfate		A	A

*Note: *Conc. = Concentration.*
(All ratings apply to concentrated or saturated solutions unless otherwise specified.)
Chemical resistance ratings are based upon information supplied by the raw material manufacturers.
Use as a general guide only – samples should be tested by user under actual conditions.

Rating Code

A-Excellent service
No harmful effect to reduce service life. Suitable for continuous service.

B-Good service life.
Moderate to minor effect. Good for intermittent service. Generally suitable for continuous service.

C-Fair or limited service.
Depends on operating conditions. Generally suitable for intermittent service. Not recommended for continuous service.

D-Unsatisfactory service.
Not recommended.

PolyTuff® Fittings

Operating Temperature*	
Nylon (Body, Nut, Gripping Ring and Locknut) Neoprene (Sealing Ring)	–40°F to +225°F (–40°C to +107°C) –30°F to +240°F (–34°C to +116°C)
Flammability	
Fire Gas Toxicity Product Testing	Nylon PolyTuff Fittings have a UL 94X-2 rating
Certifications	
UL Listed CSA Certified	UL50 Type 4X, 12 and 13 PolyTuff I Fittings, PolyTuff II Fittings

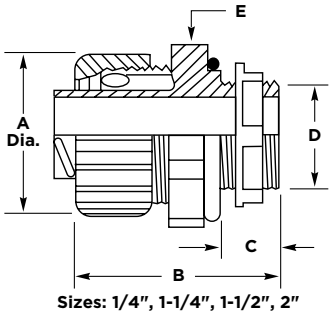
Liquidtight Fittings

Operating Temperature**	
Steel/Malleable Iron (Nut, Body, Ferrule) Nylon (Gland Ring)	–60°F to +1000°F (–51°C to +538°C) –40°F to +225°F (–40°C to +107°C)
Hazardous Locations - NEC Reference	
Class I, Div. 2 - 501-10(A)(3)B Class II, Div. 1 - 502-10(A)(2) Class II, Div. 2 - 502-10(A)(3) Class III, Div. 1 - 503-10(A)(2) Class III, Div. 2 - 503-10(B)	
Certifications	
UL Listed to UL 514B CSA Certified	

*Note: *Due to the limiting factors of nylon and neoprene, PolyTuff Fittings will continuously perform in the range –30°F to +225°F (–34°C to +107°C).*
***Due to the limiting factors of nylon, metallic liquidtight flexible conduit fittings will continuously perform in the range of –40°F to +225°F (–40°C to +107°C).*

Straight with Male Non-Metallic Liquidtight Fittings

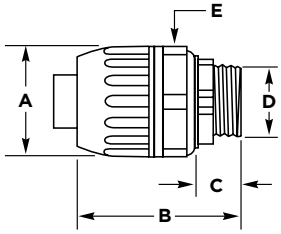
Trade Size (md**)	A	B	C	D Throat Dia.	E	
					Across Corners	Across Flats
1/4 (10)	.93″ (23.6)	1.45″ (36.8)	.39″ (9.9)	.32″ (8.1)	.86″ (Dia.) (21.8)	.86″ (Dia.) (21.8)
3/8 (12)	1.14″ (29.0)	1.63″ (41.4)	.57″ (14.5)	.42″ (10.7)	1.41″ (35.8)	1.30″ (33.0)
1/2 (16)	1.30″ (33.0)	2.14″ (54.4)	.57″ (14.5)	.55″ (14.0)	1.41″ (35.8)	1.30″ (33.0)
3/4 (21)	1.53″ (38.9)	2.22″ (56.4)	.58″ (14.7)	.74″ (18.8)	1.85″ (47.0)	1.53″ (38.9)
1 (27)	1.80″ (45.7)	2.32″ (58.9)	.72″ (18.3)	.96″ (24.4)	1.94″ (49.3)	1.80″ (45.7)
1-1/4 (35)	2.20″ (55.9)	2.15″ (54.6)	.74″ (18.8)	1.30″ (33.0)	2.38″ (60.5)	2.18″ (55.4)
1-1/2 (41)	2.49″ (63.2)	2.35″ (59.7)	.76″ (19.3)	1.46″ (37.1)	2.63″ (66.8)	2.43″ (61.7)
2 (53)	3.05″ (77.4)	2.51″ (63.6)	.79″ (20.1)	1.90″ (48.3)	3.13″ (79.5)	2.93″ (74.4)



Sizes: 1/4″, 1-1/4″, 1-1/2″, 2″

90° with Male Non-Metallic Liquidtight Fittings

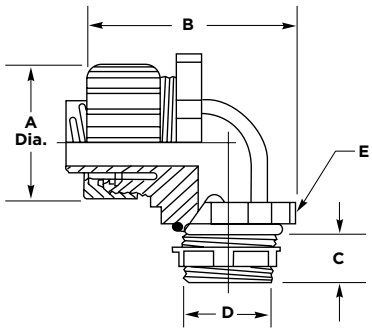
Trade Size (md**)	A	B	C	D Throat Dia.	E	
					Across Corners	Across Flats
1/4 (10)	.93″ (23.6)	1.88″ (47.8)	.39″ (9.9)	.32″ (8.1)	.86″(Dia.) (21.8)	.86″(Dia.) (21.8)
1-1/4 (35)	2.21″ (56.1)	3.57″ (90.7)	.74″ (18.9)	1.30″ (33.0)	2.38″ (60.5)	2.18″ (55.4)



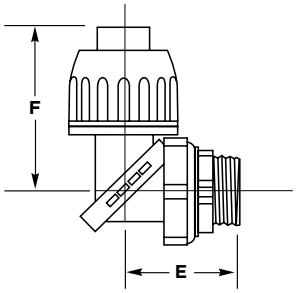
Sizes: 3/8″, 1/2″, 3/4″, 1″

SwivelLok® Multi-Position Liquidtight Fittings

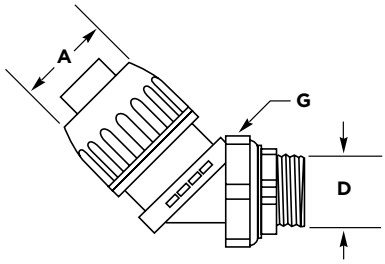
Trade Size (md**)	A	B	C	D	E	F	G	
							Across Corners	Across Flats
3/8 (12)	1.30″ (33.0)	3.27″ (83.1)	.57″ (14.5)	.55″ (14.0)	1.43″ (36.3)	2.00″ (50.8)	1.41″ (35.8)	1.30″ (33.0)
1/2 (16)	1.30″ (33.0)	3.27″ (83.1)	.57″ (14.5)	.55″ (14.0)	1.43″ (36.3)	2.00″ (50.8)	1.41″ (35.8)	1.30″ (33.0)
3/4 (21)	1.53″ (38.9)	3.66″ (93.0)	.58″ (15.7)	.74″ (18.8)	1.59″ (40.4)	2.23″ (56.6)	1.65″ (41.9)	1.53″ (38.9)
1 (27)	1.80″ (45.7)	4.00″ (101.6)	.72″ (18.3)	.96″ (24.4)	1.84″ (46.7)	2.30″ (58.4)	1.94″ (49.3)	1.80″ (45.7)



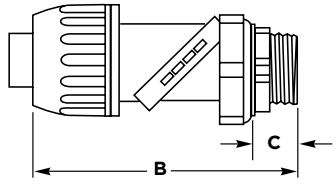
*Note: *A/C = Across Corners, A/F = Across Flats.*
***md = metric designator.*



90° Position



45° Position

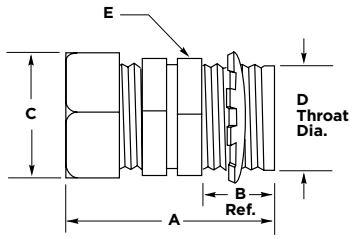


Straight Position

Dimensions in Inches (mm)

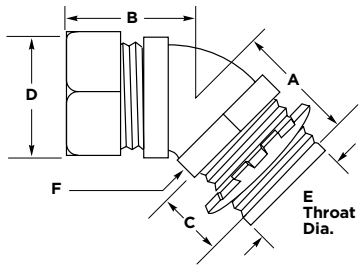
Straight with Male Metallic Metal Fitting

Trade Size (md**)	A Ref.	B	C		D Throat Dia.	E	
			A/C*	A/F*		A/C*	A/F*
3/8 (12)	1.43″ (36.3)	.59″ (15.0)	1.20″ (30.0)	1.06″ (26.9)	.61″ (15.5)	1.07″ (27.2)	.93″ (23.6)
1/2 (16)	1.43″ (36.3)	.59″ (15.0)	1.34″ (34.0)	1.19″ (30.2)	.61″ (15.5)	1.22″ (31.0)	1.06″ (26.9)
3/4 (21)	1.56″ (39.6)	.59″ (15.0)	1.55″ (39.0)	1.37″ (34.8)	.84″ (21.3)	1.43″ (36.3)	1.25″ (31.8)
1 (27)	1.68″ (42.7)	.66″ (16.8)	1.95″ (50.0)	1.69″ (42.9)	1.06″ (26.9)	1.73″ (43.9)	1.56″ (39.6)
1-1/4 (35)	2.03″ (51.6)	.63″ (16.8)	2.39″ (61.0)	2.06″ (52.3)	1.37″ (34.8)	2.36″ (59.9)	2.08″ (52.8)
1-1/2 (41)	2.21″ (56.1)	.63″ (16.8)	2.72″ (69.0)	2.38″ (60.5)	1.53″ (38.9)	2.79″ (70.9)	2.48″ (63.0)
2 (53)	2.28″ (57.9)	.69″ (17.5)	3.08″ (78.0)	2.87″ (72.9)	2.06″ (52.3)	3.32″ (84.3)	2.90″ (73.7)
2-1/2 (63)	3.56″ (90.4)	1.06″ (26.9)	3.92″ (100.0)	3.62″ (91.9)	2.42″ (61.5)	3.85″ (97.8)	3.60″ (91.4)
3 (78)	3.81″ (96.8)	1.06″ (26.9)	4.70″ (119.0)	4.31″ (109.5)	3.01″ (76.5)	4.65″ (118.1)	4.33″ (110.0)
3-1/2 (91)	3.81″ (96.8)	1.06″ (26.9)	5.29″ (134.0)	4.81″ (122.2)	3.49″ (88.6)	5.18″ (131.6)	4.82″ (122.4)
4 (103)	3.81″ (96.8)	1.06″ (26.9)	5.75″ (146.0)	5.31″ (134.9)	3.96″ (100.6)	5.75″ (146.1)	5.39″ (136.9)



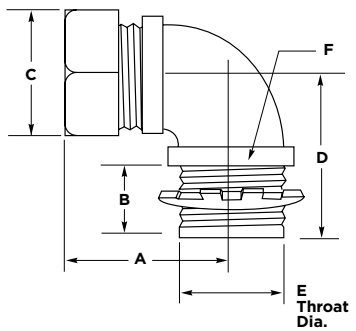
45° with Male Metallic Metal Fitting

Trade Size (md**)	A	B	C	D		E Throat Dia.	F	
				A/C*	A/F*		A/C*	A/F*
3/8 (12)	1.19″ (30.2)	1.28″ (32.5)	.59″ (15.0)	1.20″ (30.5)	1.06″ (26.9)	.60″ (15.2)	1.16″ (29.5)	1.02″ (25.9)
1/2 (16)	1.19″ (30.2)	1.28″ (32.5)	.59″ (15.0)	1.34″ (34.0)	1.19″ (30.2)	.61″ (15.2)	1.21″ (30.7)	1.06″ (26.9)
3/4 (21)	1.19″ (30.2)	1.43″ (36.3)	.59″ (15.0)	1.55″ (39.4)	1.45″ (36.8)	.84″ (21.3)	1.50″ (38.1)	1.32″ (33.5)
1 (27)	1.38″ (35.1)	1.53″ (38.9)	.66″ (16.8)	1.95″ (49.5)	1.69″ (42.9)	1.05″ (26.7)	1.82″ (46.2)	1.59″ (40.4)
1-1/4 (35)	1.42″ (36.1)	1.69″ (42.9)	.63″ (16.0)	2.39″ (60.7)	2.06″ (52.3)	1.37″ (34.8)	2.32″ (58.9)	2.03″ (5.16)
1-1/2 (41)	1.66″ (42.2)	2.00″ (50.8)	.66″ (16.8)	2.72″ (69.1)	2.38″ (60.5)	1.60″ (40.6)	2.62″ (66.5)	2.29″ (58.2)
2 (53)	1.69″ (42.9)	2.25″ (57.2)	.66″ (16.8)	3.08″ (78.2)	2.88″ (73.2)	2.05″ (52.1)	3.21″ (81.5)	2.80″ (71.1)



90° with Male Metallic Metal Fitting

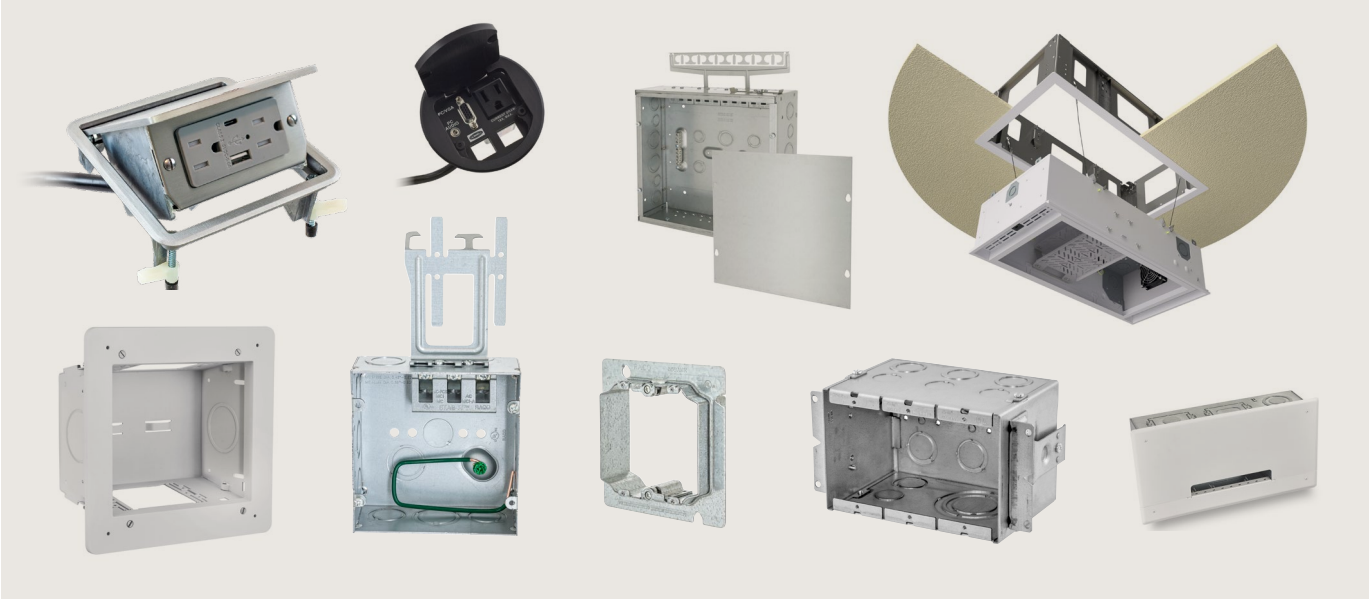
Trade Size (md**)	A	B	C		D Ref.	E Throat Dia.	F	
			A/C*	A/F*			A/C*	A/F*
3/8 (12)	1.31″ (33.3)	.59″ (15.0)	1.20″ (30.5)	1.06″ (26.9)	1.44″ (36.6)	.60″ (15.2)	1.13″ (29.0)	.99″ (25.1)
1/2 (16)	1.31″ (33.3)	.59″ (15.0)	1.34″ (34.0)	1.12″ (28.4)	1.44″ (36.6)	.61″ (15.5)	1.12″ (28.0)	1.00″ (25.4)
3/4 (21)	1.44″ (36.6)	.59″ (15.0)	1.55″ (39.4)	1.45″ (36.8)	1.63″ (41.4)	.83″ (21.1)	1.48″ (38.0)	1.29″ (32.8)
1 (27)	1.78″ (45.2)	.59″ (15.0)	1.95″ (49.5)	1.60″ (40.6)	2.19″ (55.6)	1.05″ (26.7)	1.80″ (46.0)	1.57″ (39.9)
1-1/4 (35)	1.97″ (50.0)	.63″ (16.0)	2.39″ (60.7)	2.06″ (52.3)	2.50″ (63.5)	1.36″ (34.5)	2.32″ (59.0)	2.02″ (51.3)
1-1/2 (41)	2.19″ (55.6)	.63″ (16.0)	2.72″ (69.1)	2.38″ (60.5)	2.69″ (68.3)	1.61″ (40.9)	2.58″ (66.0)	2.25″ (57.2)
2 (53)	2.53″ (64.3)	.66″ (16.8)	3.08″ (78.2)	2.87″ (72.9)	3.25″ (82.6)	2.05″ (52.1)	3.14″ (80.0)	2.75″ (69.9)
2-1/2 (63)	3.44″ (87.4)	1.00″ (25.4)	3.92″ (99.6)	3.63″ (92.2)	4.25″ (108.0)	2.42″ (61.5)	3.78″ (96.0)	3.50″ (88.9)
3 (78)	3.75″ (95.3)	1.00″ (25.4)	4.70″ (119.4)	4.31″ (109.5)	4.87″ (123.7)	3.01″ (76.5)	4.64″ (118.0)	4.30″ (109.2)
4 (103)	4.25″ (108.0)	1.00″ (25.4)	5.75″ (146.1)	5.31″ (134.9)	5.63″ (143.0)	3.96″ (100.6)	5.76″ (146.0)	5.38″ (136.7)



*Note: *A/C = Across Corners, A/F = Across Flats.*
***md = metric designator.*

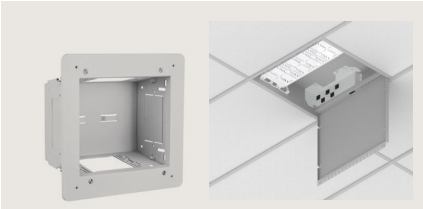
Dimensions in Inches (mm)

Notes





Furniture and Work Surface Boxes



AV Ceiling and In-Wall Enclosures



STAB-IT Boxes and Standard Boxes

Furniture / Work Surface Boxes and Table Top Boxes

- 2x2 USB Work Surface Pop-Up Box Z-2
- Pre-Wired Work Surface Series Z-3
- Pre-Wired Work Surface Elite Series Z-4
- AV and Power Ceiling Boxes Z-5
- AV In-Wall Boxes Z-6
- AV In-Wall Enclosure Z-7
- 4-11/16" STABIT-IT Connectors and Boxes Z-8
- 4" STAB-IT Boxes Z-9
- Mud Rings, Covers and Supports Z-10
- Grand Slam Junction Boxes Z-11
- AV Wall Boxes / Gangable Boxes Z-12
- Large Capacity Wall Boxes Z-13

Pre-Wired 2X2 USB Work Surface Pop-Up Boxes

Features and Benefits

Hubbell's UL Listed 2X2 USB Work Surface Pop-Up Boxes is ideal for work surfaces, such as desks, which require power for a computer and USB charging for smart devices. Each box includes one 125V, 15A duplex receptacle and two USB ports, one type A and one Type-C. Developed with coordination from the hotel industry, the Hubbell Pop-Up Box utilizes a pneumatic spring for providing a smooth action for opening and closing. Available in brushed aluminum, black powder coat and white powder coat, the Pop-Up Box is suited for installation with any modern décor, making it excellent for conference rooms or classrooms that are frequently rearranged.

Installation is simple and only requires a jig-saw or similar saw plus a screwdriver. The unit is supplied with a 5 foot cord with a molded plug end allowing it to be installed with ease. Designed to be installed into existing desks or by furniture manufactures. The Hubbell 2X2 USB Work Surface Pop-Up Box is ideally suited for any work surface application.



- cULus listed to UL962A for Furniture Power Distribution Units



Box Design

- Gas-spring actuation for smooth opening and closing
- Die cast aluminum construction
- Rated for +10,000 open/close cycles
- Simple three-screw installation
- Unobtrusive low profile flange at 0.05 in.
- Charging convenience at the push of a button



USB Device

- 15A duplex with two USB ports; available with Type A & C with 5A capacity
- Tamper-resistant receptacle
- LED power indicating light
- Low 0.070" tapered flange height
- 5 ft, pre-wired, 12 gauge, 3-wire electrical cord

2X2 USB Work Surface Pop-Up Boxes, NEMA 5-15 Duplex Receptacle

Description	Finish	USB Type A & C, 5A-5V USB Output
15A 125V duplex receptacle with (2) USB charging ports, 5 foot long cord with NEMA 5-15 plug.	Brushed Aluminum	**WSBUSB2X2AC5ALU**
	Black Powder Paint	**WSBUSB2X2AC5BLK**
	White Powder Paint	**WSBUSB2X2AC5WHT**

Note: UL File Number E327832.



WSBUSB2X2AC5ALU



WSBUSB2X2AC5BLK

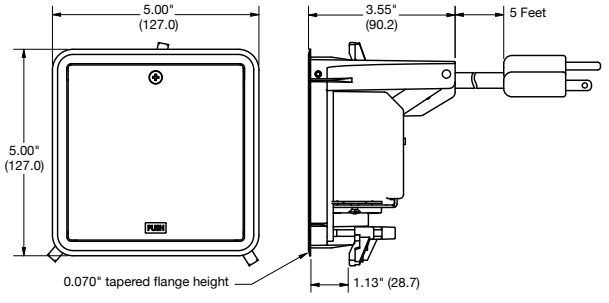


WSBUSB2X2AC5WHT

Work Surface Pop-Up Box Specifications

Maximum	Cut Out	Surface	Tapered Flange	Product	Cord
Surface Thickness	Dimensions	Dimensions	Height	Depth	Length
1.125"	4.62" x 4.62"	5" x 5"	0.070"	3.55"	5 Feet

Dimensions



Dimensions in Inches (mm)

Features and Benefits

This family of furniture and work surface connectivity boxes installs into conference tables and workstations to bring power, voice, data, and multimedia directly to the point of use. In addition, they offer an aesthetic design with improved cable management. Now, users can plug in laptops, projectors and other equipment at the desktop level - no more crawling under the table or moving obstacles to get to the electrical outlet and network connectivity.





Table Top Pre-Wired Boxes

- Round dual-service boxes easily install into a 3-1/2 inch diameter core hole
- Power is pre-wired and keystone openings accommodate data or multi-media activation



Lift-Up Style Pre-Wired Boxes

- Two (2) pre-wired 15A outlets with 6 ft. power supply cord
- 1-Unit opening for Hubbell iSTATION modules



Pre-Wired Work Surface Elite Series

- Configured with four (4) pre-wired 15A power outlets with 6 ft. cord
- Includes three (3) 1-Unit Hubbell iSTATION modules
- Available in anodized and painted finishes

Table Top Boxes

Low Voltage Only

Description	Finish	Dimensions	Catalog Number
Table top box; 2 inch diameter hole; (1) keystone opening; Keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	2.19" Diameter	**TTBKSBK** **TTBKSAL** **TTBKSBR**
Table Top box; 2 inch diameter hole; (1) XLR microphone jack installed.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	2.19" Diameter	**TTBXLRBK** **TTBXLRAL** **TTBXLRBR**


TTBKSBK


TTBXLRBK

Intertek

Pre-Wired Dual-Service

Description	Finish	Dimensions	Catalog Number
Table Top box; 3.5 inch diameter hole; (1) pre-wired 15A outlet with 9 foot power supply cord; (1) 3.5mm screw terminal audio jack; (1) 15-pin gender changer F/F; (2) keystone openings; keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	3.88" Diameter	**TTBDS1BK** **TTBDS1AL** **TTBDS1BR**
Table top box; 3.5 inch diameter hole; (2) pre-wired 15A outlets with 9 foot power supply cord; (2) keystone openings; keystone modules sold separately.	Black Anod. Alum. Clear Anod. Alum. Solid Brass	3.88" Diameter	**TTBDS2BK** **TTBDS2AL** **TTBDS2BR**


TTBDS1BK


TTBDS2BK

Note: See section B for power devices and section AA for datacom accessories.

Dimensions in Inches (mm)

Pre-Wired Furniture and Work Surface Boxes

Grommet Style

Description	Finish	Dimensions	Catalog Number
Two (2) pre-wired 15A outlets with 6 ft. power supply cord; two (2) Hubbell Keystone openings.	Black Silver	8.62"L x 3.0"W x 2.25"H	**WSBF22BK** **WSBF22SV**
Flush grommet cover with dust shield.	Black Silver Brushed Aluminum Brushed Stainless Steel	5.68"L x 3.39"W x 0.96"H	**WSBFGROMBK** **WSBFGROMSV** **WSBFGROMBAL** **WSBFGROMBSS**



WSBF22BK



WSBF22SV



WSBFGROMSV

Pre-Wired Work Surface Elite Series

Recessed Concealed Services

Description	Finish	Dimensions	Catalog Number
Four (4) pre-wired 15A outlets with 6 ft. power supply cord; three (3) low voltage openings which allow for three (3) 1-unit Hubbell iSTATION modules.	Black Silver Clear Anodized Black Anodized	15.0"L x 9.0"W x 6.25"H	**WSBG43UBK** **WSBG43USV** **WSBG43UBAL** **WSBG43UBBA**



WSBG43UBK



WSBG43USV

Replacement Low Voltage Data Plates

Description	Finish	Dimensions	Catalog Number
Non-metallic low voltage plate, blank.	Black	3.18"L x 1.88"W	**WSBPLATE1**

Note: UL File Number E327832.



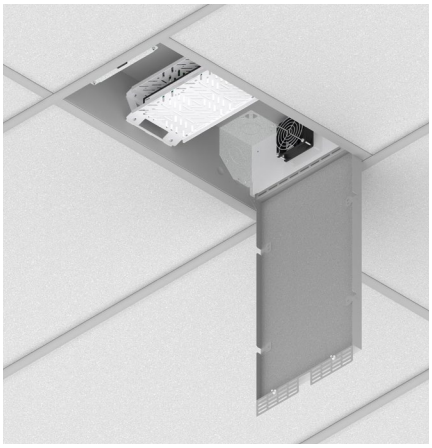
WSBPLATE1

Dimensions in Inches (mm)

Features and Benefits

The AV Ceiling Enclosure is designed to house active AV devices and integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. The enclosure protects and conceals your equipment and connections for a clean installation while maintaining accessibility with the hinged access door.

- Neatly manage A/V, power, and data requirements inside one enclosure
- Two enclosures sizes to match your required application
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Hinged access door accepts field installed ceiling tiles
- Enclosures with 1-1/2" conduit hubs for projector mounting
- All steel rugged construction provides the ultimate strength for installation





HRCB12WHT



HRCB22PWHT

1′ x 2′ Plenum Rated Ceiling Boxes

Description	Length	Width	Height	Color	Catalog Number
Recessed ceiling box.	23.69″ (601.7mm)	11.69″ (296.9mm)	6.00″ (152.4mm)	White	**HRCB12WHT**
Recessed ceiling box with 1-1/2″ NPT projector pole adapter.	23.69″ (601.7mm)	11.69″ (296.9mm)	6.00″ (152.4mm)	White	**HRCB12PWHT**
HRCB12 series box hard ceiling frame kit.	23.57″ (598.7mm)	12.94″ (328.7mm)	7.38″ (187.4mm)	White Flange	**HRCB12HCFK**
HRCB12 series box cooling fan kit.	10.88″ (276.3mm)	1.89″ (48.1mm)	4.91″ (124.6mm)	–	**HRCB12FAN**

Note: l'x2' ceiling boxes include (1) external 15A, 125V single receptacle and (2) internal 15A, 125V leaded duplex receptacles .

2′ x 2′ Plenum Rated Ceiling Boxes

Description	Length	Width	Height	Color	Catalog Number
Recessed ceiling box	23.69″ (601.7mm)	23.69″ (601.7mm)	6.00″(152.4mm)	White	**HRCB22WHT**
Recessed ceiling box with 1-1/2″ NPT projector pole adapter.	23.69″ (601.7mm)	23.69″ (601.7mm)	6.00″ (152.4mm)	White	**HRCB22PWHT**
HRCB22 series box hard ceiling frame kit.	23.57″ (598.7)	24.94″ (633.5)	7.38″ (187.4)	White Flange	**HRCB22HCFK**
HRCB22 series box cooling fan kit.	9.54″ (242.3mm)	1.89″ (48.1mm)	4.89″ (124.2)		**HRCB22FAN**

Note: 2'x2' ceiling boxes include (1) external switched 15A, 125V single receptacle and (5) internal 15A, 125V single receptacles

1′ x 2′ & 2′ x 2″ Ceiling Box Accessories

Description	Length	Width	Height	Size	Catalog Number
Ceiling box cable support kit, 4 cables.	95″ (2413.0mm)				**HRCBMNT1**
Ceiling box threaded rod kit, 4 brackets.	0.88″ (22.2mm)	0.06″ (1.6mm)	1.19″(30.2)	0.09″ (2.4mm) dia up to 3/8″ threaded rod	**HRCBTHRD**

AV Ceiling Enclosure

- Manage multiple applications inside one enclosure
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box
- All steel rugged construction provides the ultimate strength for installation

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
AV ceiling enclosure.	12″ (305)	24″ (610)	8″ (203)	White	**AVCE1H**

Note: Enclosure includes two 20 amp duplex receptacles and 2-gang back box.



AVCE1H

Dimensions in Inches (mm)

Features and Benefits

Power, data, interfaces and more will mount discretely behind the flat screen. Two-piece covers are available in white or black. Supplied with mounting screws for wood or steel stud mounting, grounding screws, tie wraps, and a rubber grommet. One of the single gang knockouts has a 1"x2" oblong internal knockout and can be used with the supplied grommets. The flush box installation allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords.

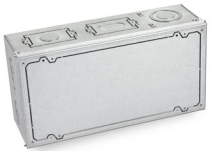
- Low voltage conduit feed-thru for connectorized cables with 1", 1-1/2" and 2" knockouts
- 3/4" extension available for concrete block walls
- Two-piece paintable cover allows for better cable management
- Boxes conform to UL 62368-1:2019 Ed.3, Certified to CSAC22.2#62368-1:2019 Ed.3



HRWB25WHT
with 2 Inch Low Voltage Feed-Through



HRWB25WHT



HRWB25WHT with **HRWB25BE075**

Wall Boxes

Description	Height	Width	Depth	Cover Color	Catalog Number
Recessed 5-Gang wall box w/ 2" feed-thru.	7.24" (183.8)	14.25" (362.0)	4.00" (141.6)	White	**HRWB25WHT**
HRWB25WHT replacement covers.	8.34" (211.7)	15.50" (393.7)	0.16" (4.0)	White	**HRWB25WHTRC**
Recessed 5-Gang wall box w/ 2" feed-thru.	7.24" (183.8)	14.25" (362.0)	4.00" (141.6)	Black	**HRWB25BLK**
HRWB25BLK replacement covers.	8.34" (211.7)	15.50" (393.7)	0.16" (4.0)	Black	**HRWB25BLKRC**
HRWB25 series wall box 3/4" extension.	7.47" (189.7)	14.50" (368.3)	0.75" (19.1)	Steel	**HRWB25BE075**

Power Kits

Description	Color	Catalog Number
Standard power kit.	White	**NSOKPTR**
Surge protected power kit.	White	**NSOKPS**



NSOKPS



IMF1W

AV Connectors and Plates

Description	Color	Catalog Number
1-Gang 6-Port plate.	White	**IFP16W**
1-Gang Hubbell iSTATION plate.	White	**IMF1W**
Category 6 jack.	White	**HXJ6W**
HDMI feed-thru.	White	**SFHC14W**



IFP16W



HXJ6W



SFHC14W

Dimensions in Inches (mm)

Features and Benefits

2 and 4-Gang Flat Panel Television (FPTV) connection enclosure delivers high-density connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to studs or sheetrock without additional components or hardware.

- Optional screw on cover reduces tampering
- cULus 1863 Listed



Box Design

- Flush against walls installation
- Sheet metal base white powder coat finish
- Accepts standard electrical boxes
- Integrated cable management



Mounting

- Multiple device mounting options
- 1-1/2 and 1-1/4 inch conduit knockouts
- Easily mounts to studs or sheetrock
- Easily replaceable receptacle
- Trim ring covers rough in



NSAV62M



NSAV124M

FPTV Connection Enclosure

Description	Color	Catalog Number
2-Gang In-Wall enclosure.	White	NSAV62M
Steel cover for NSAV6 series.	White	NSAV6C
4-Gang In-Wall enclosure.	White	NSAV124M
Steel cover for NSAV12 series.	White	NSAV12C

Note: UL File Number E129878.

NSAV6C

Power Kits

Description	Color	Catalog Number
Standard power kit.	White	NSOKPTR
Surge protected power kit.	White	NSOKPS



NS801W



NSOKPS

AV Connectors and Plates

Description	Color	Catalog Number
1-Gang blank plate.	White	P14W
1-Gang decorator plate.	White	P26W



SFHC14W



NSJ6W

Dimensions in Inches (mm)

Featuring STAB-IT® connectors

Integrated into the box, our exclusive connectors are field proven to terminate MC cable up to 3 times faster than traditional cable clamps. It's easy: remove the pry-out, prep the cable, insert cable, done! These welded large boxes provide more room for wiring and include connectors for three or six cables, plus a knockout on the same side as the connectors. Available mounting brackets and cable management offer the first means of support.

- 3-cable STAB-IT connectors install 3 times faster than traditional connectors
- Designed for quick installation of flex, MC, MCI, MCI-A, MC-PCS, AC, and HCF cable
- HBL252MSCM & HBL252MS include far-side support on back
- Includes ground wires, box mounting brackets and cable clamps
- Easier installation for labor savings



Boxes

Boxes are 4-11/16" square, 2-1/8" deep. They are constructed with welded steel and have raised grounds. The boxes have 42 cu.in. 3 capacity.

Box Description	Side Knock Outs		Back Knock Outs		
	TKO	Cable Pry-outs	Concentric	TKO	Catalog Number
Standard.	(12) 1/2"-3/4"		(1) 1/2"	(3) 1/2"-3/4"	**HBL257***
(1) STAB-IT Connector and 8" Solid #12 Ground Pigtail.	(10) 1/2"-3/4"	3	(1) 1/2"	(1) 1/2"-3/4"	**HBL252S**
(1) STAB-IT Connector, 8" Solid #12 Ground Pigtail and (1) Cable Management Clamp.	(10) 1/2"-3/4"	3	(1) 1/2"	(1) 1/2"-3/4"	**HBL252SCM**
(1) STAB-IT Connector, 8" Solid #12 Ground Pigtail and (1) Mounting Bracket.	(10) 1/2"-3/4"	3	(1) 1/2"	(1) 1/2"-3/4"	**HBL252MS**
(1) STAB-IT Connector, 8" Solid #12 Ground Pigtail, (2) Mounting Brackets and (1) Cable Management Clamp.	(10) 1/2"-3/4" (1) 3/4"- 1"	3	(1) 1/2"	(1) 1/2"-3/4"	**HBL252MSCM**
(2) STAB-IT Connectors and 8" Solid #12 Ground Pigtail.	(8) 1/2"-3/4"	6	(1) 1/2"		**HBL254S**
(2) STAB-IT Connectors, 8" Solid #12 Ground Pigtail, and (2) Cable Management Clamps.	(8) 1/2"-3/4"	6	(1) 1/2"		**HBL254SCM**

*Note: *UL Listed only*

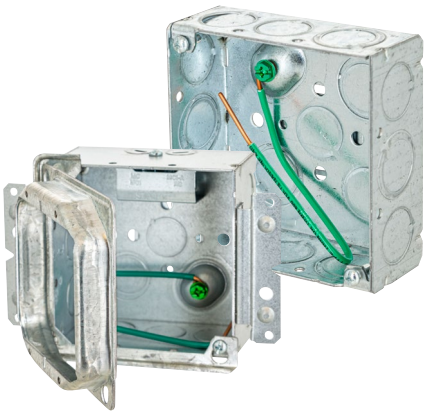


Dimensions in Inches (mm)

Regular or STAB-IT® boxes

These popular boxes are available with our unique connectors built into the box. Terminate MC cable in one-third the time of other clamps. Models are available with connectors for two or four cables. Available mounting brackets and cable management offer the first means of support.

- 2-cable STAB-IT connectors install 3 times faster than traditional connectors
- Designed for quick installation of flex, MC, MCI, MCI-A, MC-PCS, AC, and HCF cable
- HBL232MSCM & HBL232MS include far-side support on back
- Includes ground wires, box mounting brackets and cable clamps
- Easier installation for labor savings



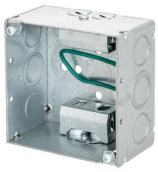
Boxes

Boxes are 4" square, 2-1/8" deep. They are constructed with welded steel and have raised grounds. The boxes have 30.3 cu.in. capacity.

Box Description	Side Knock Outs			Back Knock Outs		Catalog Number
	Concentric	TKO	Cable Pry-outs	Concentric	TKO	
Standard.	(8) 1/2"	(4) 1/2"-3/4"		(2) 1/2"	(2) 1/2"-3/4"	**HBL232**
10" Solid #12 ground pigtail.	(8) 1/2"	(4) 1/2"-3/4"		(2) 1/2"	(2) 1/2"-3/4"	**HBL232SM**
(1) STAB-IT connector, 8" solid #12 ground pigtail.	(6) 1/2"	(3) 1/2"-3/4"	2	(1) 1/2"	(1) 1/2"-3/4"	**HBL232S**
(1) STAB-IT connector, 8" solid #12 ground pigtail, back- far side support, and (2) mounting brackets.	(6) 1/2"	(3) 1/2"-3/4"	2	(1) 1/2"	(1) 1/2"-3/4"	**HBL232MS**
(1) STAB-IT connector, 8" solid #12 ground pigtail, and (1) cable management clamp.	(6) 1/2"	(3) 1/2"-3/4"	2	(1) 1/2"	(1) 1/2"-3/4"	**HBL232SCM**
(1) STAB-IT connector, 8" solid #12 ground pigtail, back- far side support, (1) cable management clamp, and (2) mounting brackets.	(6) 1/2"	(3) 1/2"-3/4"	2	(1) 1/2"	(1) 1/2"-3/4"	**HBL232MSCM**
(2) STAB-IT connectors, 8" solid #12 ground pigtail, back- far side support, (2) cable management clamp, and (2) mounting brackets.	(6) 1/2"	(3) 1/2"-3/4"	4	(1) 1/2"	(1) 1/2"-3/4"	**HBL244MSCM**
(2) STAB-IT connectors, 8" solid #12 ground pigtail.	(4) 1/2"	(2) 1/2"-3/4"	4	(1) 1/2"		**HBL248S**









Boxes

Boxes are 4" square, 1-1/2" deep, and have 21.0 cu.in. capacity. Use with standard cable connectors.

Box Description	Side Knock Outs		Back Knock Outs		Catalog Number
	Concentric	TKO	Concentric	TKO	
Welded steel, raised ground, 10" solid #12 ground pigtail.	(8) 1/2"	(4) 1/2"-3/4"	(2) 1/2"	(2) 1/2"-3/4"	**HBL189SM***
Welded steel, long side mounting brackets.	(8) 1/2"	(4) 1/2"-3/4"	(3) 1/2"	(2) 1/2"-3/4"	**HBL196**
Welded steel, raised ground, 10" solid #12 ground pigtail.	(8) 1/2", (4) 3/4"		(2) 1/2", (2) 3/4"		**HBL232SCM**



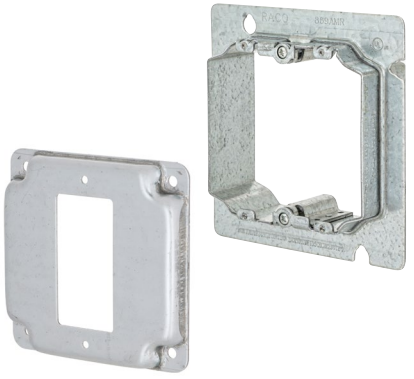
*Note: *cULus.*

Dimensions in Inches (mm)

Mud rings, covers, supports

Steel adjustable mud rings provide flexibility after installation to match the drywall depth. Hinged mud rings allow devices to be installed during pre-assembly, then swing out of the way for final wiring on site. Protector plates can be attached during prefab to protect devices during drywall install, then removed during trim out.

- 1 & 2-Gang adjustable mud rings
- Standard 1 & 2-gang mud rings
- Adjustable open box mounting brackets
- Floor mounted box support includes fold back stabilizer; prevents bracket from being pushed back in wall cavity during drywall installation



Mud Rings

For use with	Type	Raised Height	Capacity (In.³)	Listing	Catalog Number
4-11/16" boxes	1-Gang, Adjustable 2-Gang, Adjustable	1/2" to 1-3/8"	4 to 9.5 8 to 15.5	UL Listed	**HBL868AMR** **HBL869AMR**
	1-Gang	5/8" 1-1/4"	4.5 9.5	cULus	**HBL843** **HBL842**
	2-Gang	1/2" 5/8" 3/4" 1" 1-1/4"	5.5 7.3 8.8 12.0 15.0	cULus	**HBL841** **HBL818** **HBL840** **HBL819** **HBL820**
4" boxes	1-Gang, Adjustable 2-Gang, Adjustable	1/2" to 1-3/8"	4 to 9.5 8 to 15.5	UL Listed	**HBL768AMR** **HBL769AMR**
	1-Gang 1-Gang, Stud Mount 1-Gang, Hinged 1-Gang	5/8" 5/8" 5/8" 1-1/4"	4.5 4.5 5.5 9.5	UL Listed UL Listed UL Listed cULus	**HBL768** **HBL768B** **HBL768H** **HBL775**
	2-Gang 2-Gang, Stud Mount 2-Gang, Hinged 2-Gang	5/8" 5/8" 5/8" 1-1/4"	7.3 7.3 8.3 15	cULus UL Listed UL Listed cULus	**HBL769** **HBL769B** **HBL769H** **HBL781**

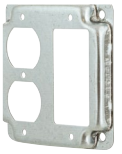






Square Metallic Covers for Exposed Work

For use with	1 Decorator	1 Duplex	2 Decorator	2 Duplex	1 Duplex, 1 Decorator
4" boxes, UL Listed.	**HBL808C**	**HBL902C**	**HBL809C**	**HBL907C**	**HBL915C**



Metallic Box Brackets and Supports

For use with	Type	Box Mounting	Catalog Number
4-11/16" and 4" boxes, cULus.	Open Wall Adjustable Box Bracket	16" to 24"	**HBL9020R**
	Floor Mounted Box Support	12" 18"	**HBL9009** **HBL9010**



Plates

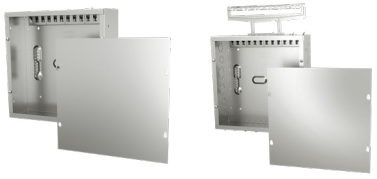
Description	For use with	Height	1-Gang	2-Gang
Metallic flush-fit devices levelling plate.	4-11/16" and 4" boxes	—	**HBL999**	—



Dimensions in Inches (mm)

Upgraded Grand Slam Box now with built in STAB-iT® II Connectors





RACO's Grand Slam Box is the quickest and easiest way to terminate home runs branch circuits and other electrical wiring. Specifically designed for commercial applications, the Grand Slam Box offers both the flexibility and space desired in a junction box. Featuring RACO's STAB-iT II connectors for MC, built-in ground bar, and cable management. The Grand Slam Box offers the most labor savings and flexibility of any home run box on the market.

- STAB-iT II clamp has been field proven to be over 3X's faster than traditional MC connectors
- Ground bar pre installed
- Cable management with 2 multifunction clips
- Surface mount cover
- Available with and without concentric knockouts on side and back for easy access
- Optional conduit support plate
- NEMA 1 Rating for indoors
- Additional STAB-iT II connectors can be added

Catalog Number	Description	Dimensions	Knockouts	Built-in STAB-IT® II Clamps	Cu.In. Cap.	Carton Qty.
HBLGS883S	8" x 8" Junction Box (Surface Cvr. & Grnd. Bar Included).	8" x 8" x 3"	(12) 1/2" & 3/4" Concentric (5) 3/4" & 1" Concentric	3 (14/2 to 10/3) Up to 9 Cables	179	1
HBLGS12124S	12" x 12" Junction Box (Surface Cvr. & Grnd. Bar Included).	12" x 12" x 4"	(12) 1/2" & 3/4" Concentric (9) 3/4" & 1" Concentric (8) 1" & 1-1/4" Concentric	4 (14/2 to 10/3) Up to 12 Cables	546	1
HBLGS883SNK	8" x 8" Junction Box (No Knockouts, Surface Cvr. & Grnd. Bar Included).	8" x 8" x 3"	–	3 (14/2 to 10/3) Up to 9 Cables	179	1
HBLGS12124SNK	12" x 12" Junction Box (No Knockouts, Surface Cvr. & Grnd. Bar Included).	12" x 12" x 4"	–	4 (14/2 to 10/3) Up to 12 Cables	546	1
HBLGS883SCM	8" x 8" Junction Box (Cable management, Surface Cvr. & Grnd. Bar Included).	8" x 8" x 3"	(12) 1/2" & 3/4" Concentric (5) 3/4" & 1" Concentric	3 (14/2 to 10/3) Up to 9 Cables	179	1
HBLGS12124SCM	12" x 12" Junction Box (Cable management, Surface Cvr. & Grnd. Bar Included).	12" x 12" x 4"	(12) 1/2" & 3/4" Concentric (9) 3/4" & 1" Concentric (8) 1" & 1-1/4" Concentric	4 (14/2 to 10/3) Up to 12 Cables	546	1
HBLGS883SNKCM	8" x 8" Junction Box (No Knockouts, Cable management, Surface Cvr. & Grnd. Bar Included).	8" x 8" x 3"	–	3 (14/2 to 10/3) Up to 9 Cables	179	1
HBLGS12124SNKCM	12" x 12" Junction Box (No Knockouts, Cable management, Surface Cvr. & Grnd. Bar Included).	12" x 12" x 4"	–	4 (14/2 to 10/3) Up to 12 Cables	546	1

Accessories

Cat. No.	Description	Carton Qty.
HBL9100SP	Grand Slam conduit support plate.	10
HBL989ST2	STAB-iT® II Connector (accepts 3 cables) works with all Grand Slam boxes.	50



Conduit Support Plate
(sold separately)



STAB-iT® II Connector

Cable Types and Ranges For Stab-IT II Clamp

Cable Type	Cable Range	Cable Dia. Range
AC Steel	14-2, 14-3, 14-4, 12-2, 12-3, 12-4, 10-2, 10-3	0.44" · 0.62"
HCF AC Steel	12-2, 12-3, 10-2, 10-3	
AC Aluminum	14-2, 14-3 14-4, 12-2, 12-3, 12-4, 10-2, 10-3	0.42" · 0.62"
HCF AC Aluminum	12-2, 12-3, 12-4, 10-2, 10-3	
MC Steel	14-2, 14-3, 14-4, 12-2, 12-3, 12-4, 10-2, 10-3	
MCI-A Steel	14-2, 12-2, 12-3, 12-4, 10-2, 10-3	
HCF MCI-A Steel	12-2, 12-3, 10-2	
MC-PCS Steel	12-2/16-2, 12-3/16-2, 10-2/16-2	
MC Aluminum	14-2, 14-3, 14-4, 12-2,12-3,12-4, 10-2, 10-3	0.38" · 0.62"
MCI-A Aluminum	14-2, 14-3, 14-4, 12-2, 12-3,12-4, 10-2, 10-3	
HCF MCI-A Aluminum	12-2, 12-3, 12-4, 10-2, 10-3	
MC-PCS Aluminum	12-2/16-2, 12-3/16-2, 10-2/16-2	

Note: 3/8 Trade Size Flex. RWFMC Conduit Steel & Aluminum (Anti Short Bushings Required) Cable Armor must comply with NEC 250.96. To install larger diameter cables (if needed) loosen up screw, insert cable, tighten up screw and push in cable until it snaps into place as shown on instruction. To remove cable: Loosen up screw, pull spring clip away from cable and pull cable out.

Dimensions in Inches (mm)

Gangable boxes

Deliver data, AV, and power side-by-side with these oversized in-wall boxes. Designed to install independently or ganged together for multiple devices. Perfect for Cat6 and 6A fiber optic cables that require a larger bend radius.

- 4″ depth accepts any device
- Knockouts from 1/2″ up to 2″
- Accepts low voltage partition
- NEMA spaced device mounting, accepts industry standard wallplates
- Adjustable stud mounting brackets and far side support
- Suitable for masonry application



Gangable AV Wall Boxes

Box Description	Knockouts			Catalog Number
	Top	Bottom	Back	
2-Gang, 2 in. KO, 54 in³ capacity, 4.21″ X 4.06″ X 4″.	(2) 1/2″ (2) 1/2″ - 3/4″ TKO	(1) 1″, 1-1/4″, 1-1/2″, 2″	(2) 1/2″-3/4″	**HBL985**
3-Gang, 2 in. KO, 79 in³ capacity. 4.21″ X 5.87″ X 4″.	(3) 1/2″ (3) 1/2″ - 3/4″ TKO	(1) 1/2″ (1) 1/2″ - 3/4″ TKO (1) 1″, 1-1/4″, 1-1/2″, 2″	(3) 1/2″-3/4″	**HBL986**
4-Gang, 2 in. KO, 104 in³ capacity, 4.21″ X 7.69″ X 4″.	(4) 1/2″ (4) 1/2″ - 3/4″ TKO	(1) 1/2″ (1) 1/2″ - 3/4″ TKO (2) 1″, 1-1/4″, 1-1/2″, 2″	(4) 1/2″-3/4″	**HBL987**
6-Gang, 2 in. KO, 154 in³ capacity, 4.21″ X 11.31″ X 4″.	(6) 1/2″ (6) 1/2″ - 3/4″ TKO	(1) 1/2″ (1) 1/2″ - 3/4″ TKO (2) 1″, 1-1/4″, 1-1/2″, 2″	(6) 1/2″-3/4″	**HBL988**





Low Voltage AV Wallbox Partition

For use with	Type	Catalog Number
HBL985, HBL986, HBL987 and HBL988	Solid divider With pass-thru capability	**HBL989** **HBL989AVD**



Dimensions in Inches (mm)

One, two or three gang boxes

Oversized two or three gang boxes and mud rings are perfect for AV, data and power applications. Extra-large knockouts for pulling pre-terminated cables.

- Designed to deliver power and low voltage in the same box
- Use standard mud rings and wallplates
- Two inch knockout feed-thru
- 3-1/4 Inch depth accommodates large cables and bend radii



2-Gang Large Capacity Wall Boxes

Boxes are 4-11/16" square, 3-1/4" deep. The boxes have 66.7 in.³ capacity.
Use with industry standard 4-11/16" square mud rings for 1- or 2-gang applications.

Box Description	Side Knock Outs		Back Knock Outs	Catalog Number
	Concentric	TKO	TKO	
Standard.	(2) 1"-2"	(2) 3/4"-1" (2) 1"-1-1/4"	(2) 3/4"-1" (2) 1-1/2"	**HBL260**
With mounting brackets.	(2) 1"-2"	(2) 3/4"-1" (2) 1"-1-1/4"	(2) 3/4"-1" (2) 1-1/2"	**HBL260H**



3-Gang Large Capacity Wall Box

Boxes are 4-11/16"H, 7-3/4"W, 3-1/4" deep. The boxes have 113.3 in.³ capacity.
Use with industry standard 4" square mud rings for 1- or 2-gang applications.
3-gang mud ring is an option if the breakout is removed from the cover.

Box Description	Side Knock Outs		Back Knock Outs	Catalog Number
	Concentric	TKO	TKO	
Square 2- or 3-gang wall box.	(2) 1"-2"	(4) 1/2"-3/4" (4) 3/4"-1" (2) 1"-1-1/4"	(2) 1/2"-3/4" (2) 3/4"-1" (2) 1"-1-1/4"	**HBL263**



Mud Rings

Description	For use with	Height	Capacity (In.³)	Catalog Number
2-gang mud rings.	HBL260	5/8" 3/4" 1" 1-1/4"	7.3 8.8 12.0 15.0	**HBL818** **HBL840** **HBL819** **HBL820**
3-gang mud rings.	HBL263	1/2" 5/8" 1-1/4"	10.1 12.3 24.3	**HBL792** **HBL793** **HBL794**



Low Voltage Partition

For use with	Mud Ring Depth	Type	Catalog Number
HBL260 and HBL263	1/2", 3/4" and 1-1/4"	Solid divider With pass-thru capability	**HBL981** **HBL981AVD**



Dimensions in Inches (mm)

Notes

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Jacks and Connectors



AV In-Wall Enclosure and HDMI Products



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Products at a Glance



Jacks and Connectors

- NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500 MHz
- Category 5e supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel
- F-Type connectors distribute high quality video signal to the workstation



Patch Panels and Wall Mount Brackets

- Zero-crosstalk contact structure provides the highest performance while maintaining true balance
- Rear cable manager bars maintain termination integrity
- Integrated port and panel labeling, as well as port icon attachment
- Labeling, termination and aesthetics shared across all performance categories, sizes and configurations



Modular Snap Fit Jacks

- Customize the jack selections and look
- Quick and secure snap-in design
- Hi impact-resistant thermoplastic frame
- Audio/Video connectors are available in standard bulkhead or recessed



Network Enclosures

- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance
- Horizontal and vertical module mounting holes for maximum flexibility



In-Wall AV Delivery and HDMI Products

- 18 Gauge white powder coated rugged steel base
- 2-Gang enclosure with two 1-1/2 and 1-1/4 inch KOs
- Stud or sheetrock mounting integrated
- Supplied ABS trim ring quickly cleans up sheetrock rough-in
- Optional screw on cover reduces tampering
- cULus 1863 Listed



Network Modules and Accessories

- netSELECT modular components enable the designer to select performance requirements specifically for the application
- Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage
- netSELECT video modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas



Molded-In Voice/Data/Video

- Decorator frames provide a stylized look for that finishing touch
- Elongated strap for better wall box mounting
- High impact-resistant thermoplastic frame
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

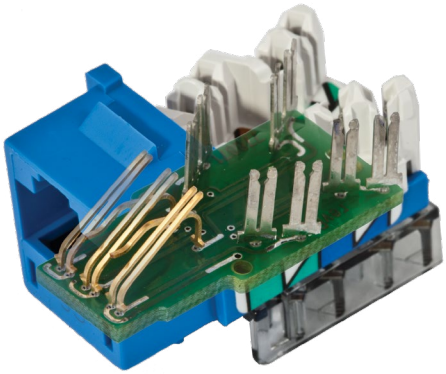
Hubbell Xcelerator Jacks, Category 6, 5e and USOC

Features and Benefits

The NEXTSPEED® Category 6 system is designed to deliver headroom beyond 500 MHz for dependable Multi-gigabit Ethernet applications. NEXTSPEED's extended bandwidth provides reliability with zero bit error rate performance for today's high speed digital communications. The Category 5e supports 10/100/1000BASE-T applications with usable bandwidth of 190 MHz in the channel.

Hubbell's work area solutions and modular connectivity have many innovative features that integrate into a wide range of Hubbell products—floor boxes, patch panels, conference table boxes, fire-rated poke-throughs and wallplates.

- TIA-568.2-D Category 6 component
- IEC 60603-7-4 Category 6 component
- Qualified to 150% of IEEE 802.3bt current level





Housing Design

- One-piece, engineered thermoplastic housing is impact-resistant for heavy-duty industrial environments
- Blades are recessed for protection against bending and breaking
- Closure cap is included for environmental seal when device is not in use



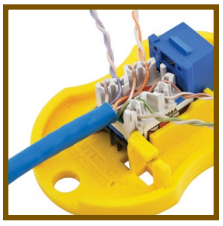
Specifications

- Mating cycles: 2500
- Manufacturing: 100% factory tested



Universal Wiring

- Two distinct labels eliminate wiring confusion, T568B or T568A



IDC Lacing

- IDC towers have a blade feature to assist pair splitting during termination







NEXTSPEED® Category 6 Jacks

Color	Single Pack	25-Pack
Black	HXJ6BK	HXJ6BK25
Blue	HXJ6B	HXJ6B25
Electric Ivory	HXJ6EI	HXJ6EI25
Gold	—	HXJ6GL25
Gray	HXJ6GY	HXJ6GY25
Green	HXJ6GN	HXJ6GN25
Office White	HXJ6OW	HXJ6OW25
Orange	HXJ6OR	HXJ6OR25
Purple	HXJ6P	HXJ6P25
Red	HXJ6R	HXJ6R25
White	HXJ6W	HXJ6W25
Yellow	HXJ6Y	HXJ6Y25

Note: Also available in 100 packs.

NEXTSPEED Category 5e Jacks

Single Pack	25-Pack
HXJ5EBK	HXJ5EBK25
HXJ5EB	HXJ5EB25
HXJ5EEI	HXJ5EEI25
—	HXJ5EGL25
HXJ5EGY	HXJ5EGY25
HXJ5EGN	HXJ5EGN25
HXJ5EOW	HXJ5EOW25
HXJ5EOR	HXJ5EOR25
—	HXJ5EP25
HXJ5ER	HXJ5ER25
HXJ5EW	HXJ5EW25
HXJ5EY	HXJ5EY25

USOC Jacks, RJ-25

Single Pack
HXJUBK
HXJUB
HXJUEI
—
HXJUGY
HXJUGN
HXJUOW
HXJUOR
—
HXJUR
HXJUW
HXJUY







netSELECT Jacks

Color	Category 6 Jack		Category 5e Jack		USOC Jack
	Single Pack	25-pack	Single Pack	25-pack	Single Pack
Black	NSJ6BK	NSJ6BK25	NSJ5EBK	NSJ5EBK25	NSJUBK
Blue	NSJ6B	NSJ6B25	NSJ5EB	NSJ5EB25	NSJUB
Gray	NSJ6GY	NSJ6GY25	NSJ5EGY	NSJ5EGY25	NSJUGY
Green	NSJ6GN	NSJ6GN25	NSJ5EGN	NSJ5EGN25	NSJUGN
Ivory	NSJ6I	NSJ6I25	NSJ5EI	NSJ5EI25	NSJUI
Light Almond	NSJ6LA	NSJ6LA25	NSJ5ELA	NSJ5ELA25	NSJULA
Orange	NSJ6OR	NSJ6OR25	NSJ5EOR	NSJ5EOR25	NSJUOR
Red	NSJ6R	NSJ6R25	NSJ5ER	NSJ5ER25	NSJUR
White	NSJ6W	NSJ6W25	NSJ5EW	NSJ5EW25	NSJUW
Yellow	NSJ6Y	NSJ6Y25	NSJ5EY	NSJ5EY25	NSJUY

Jack Icons, XJ Series

100-Pack, snaps onto jack nose



Color	Blank
Black	IBK100
Blue	IB100
Brown	IBN100
Electric Ivory	IEI100
Gray	IGY100
Green	IGN100
Orange	IOR100
Purple	IP100
Red	IR100
White	IW100
Yellow	IY100

Note: Compatible only with HXJ jacks.



Jack Dust Covers, XJ Series

Description	Catalog Number
Polypropylene, clear, 25-pack.	HXJDC25

Note: Mounts within the icon slots located above the RJ45 opening. Compatible only with HXJ jacks.

Dimensions in Inches (mm)





RJ-45 Couplers

Female to female couplers

Housing Color	Category 6, Pass-Thru	Category 5e, Pass-Thru	Category 6, Shielded Pass-Thru	
Black White	**SFC6BK** **SFC6W**	**SFC5EBK** **SFC5EW**	Lead free tinned shield.	**SFSC6**






USB Connectors

Pass-thru, female to female couplers

Housing Color	USB 3.0, A to A	USB 3.0, A to B	USB 2.0, A to A	USB 2.0, A to B
Black	**SFUSBAA3BK**	**SFUSBAB3BK**	—	—
Blue	—	—	**SFUSBAAB**	**SFUSBABB**
Office White	—	—	**SFUSBAAOW**	**SFUSBABOW**
White	—	—	**SFUSBAAW**	**SFUSBABW**





HDMI Connectors for IMB and ISFB Series

Color	HDMI Feed-Thru	HDMI Feed-Thru Coupler	HDMI Feed-Thru 3-Inch Tail
Black White	**SFHC14BK** **SFHC14W**	**HDMIC14** —	**HDMIT14** —




HDMI Decorator Frames

Color	1-Port	2-Port
Black	**NS801BK**	**NS802BK**
Gray	**NS801GY**	**NS802GY**
Ivory	**NS801I**	**NS802I**
Light Almond	**NS801LA**	**NS802LA**
White	**NS801W**	**NS802W**



HDMI Non-Active Horizontal Patch Cords

Black, non-plenum, #24 AWG, HDMI 4K

Length (Feet)	HDMI Device Patch Cords
3 6 10	**HCH03BK** **HCH06BK** **HCH10BK**



Active Optical HDMI Cables

Black, 4K @ 60 Hz, Plenum

Length (Feet)	In-Wall Cords
20 30 60 100	**HCHX20BK** **HCHX30BK** **HCHX60BK** **HCHX100BK**

Dimensions in Inches (mm)

Video Connections






F-Type Connectors

Pass-thru, F/F coupler

Color	Nickel		Gold	
	2GHz	netSELECT F-Type Coupler Bulkhead, Female to Female	3GHz	2GHz
Black	**SFFBX**	**NSF70BK**	**SFF3GBK**	**SFFGBK**
Gray	**SFFGX**	**NSF70GY**	**SFF3GGY**	**SFFGGY**
Ivory	**SFFEX**	**NSF70I**	**SFF3GEI**	**SFFGEI**
Office White	**SFFX**	**NSF70LA**	**SFF3GOW**	**SFFGOW**
White	**SFFWX**	**NSF70W**	**SFF3GW**	**SFFGW**



F-Connector Plugs

25-Pack

Termination Type	Cable Type	Catalog Number
Compression	RG6	**FRG625**




Blank Connectors

10-Pack

Color	Blank Connector	Smooth Blank Connector
Black	**SFBB10**	**SFSBBK10**
Gray	**SFBG10**	**SFSBGY10**
Ivory	**SFBE10**	**SFSBEI10**
Light Almond	—	**SFSBLA10**
Office White	**SFB10**	—
White	**SFBW10**	**SFSBW10**

Note: Light almond and office white are the same color, as per the color chart.
SFB blank connectors recommended for IFP plates. SFS smooth blank connector recommended for NSP plates.

Dimensions in Inches (mm)





3.5mm Stereo Jacks

Color	3.5mm to Screw Terminal	3.5mm Pass-Thru, F/F Coupler
Black	SF35STBK	SF35FFBK
Office White	SF35STOW	SF35FFOW
White	SF35STW	SF35FFW





Speaker Post Connectors

Screw Termination, Gold

Color	Black	Red
Black	SFSPGBKBK	SFSPGRBK
Gray	SFSPGBKGY	SFSPGRGY
Ivory	SFSPGBKEI	SFSPGREI
Office White	SFSPGBK	SFSPGR
White	SFSPGBKW	SFSPGRW





Speaker Banana Plugs

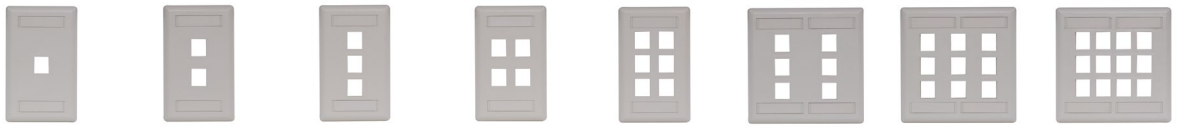
Screw Termination, Gold

	Black	Red
10-pack	SPPBK10	SPPR10

Dimensions in Inches (mm)

Hubbell iSTATION Wallplates

IFP Wallplates with Label Fields, 1 and 2-Gang



Color	1-Gang					2-Gang		
	1-Port	2-Port	3-Port	4-Port	6-Port	6-Port	9-Port	12-Port
Black	IFP11BK	IFP12BK	IFP13BK	IFP14BK	IFP16BK	IFP26BK	IFP29BK	IFP212BK
Gray	IFP11GY	IFP12GY	IFP13GY	IFP14GY	IFP16GY	IFP26GY	IFP29GY	IFP212GY
Ivory	IFP11EI	IFP12EI	IFP13EI	IFP14EI	IFP16EI	IFP26EI	IFP29EI	IFP212EI
Office White*	IFP11OW	IFP12OW	IFP13OW	IFP14OW	IFP16OW	IFP26OW	IFP29OW	IFP212OW
White	IFP11W	IFP12W	IFP13W	IFP14W	IFP16W	IFP26W	IFP29W	IFP212W

*Note: *Light Almond and office white are the same color.*

Multimedia Nylon Wallplates, 1-Gang



Color	1-Gang				
	1-Port	2-Port	3-Port	4-Port	6-Port
Black	NSP11BK	NSP12BK	NSP13BK	NSP14BK	NSP16BK
Gray	NSP11GY	NSP12GY	NSP13GY	NSP14GY	NSP16GY
Ivory	NSP11I	NSP12I	NSP13I	NSP14I	NSP16I
Light Almond	NSP11LA	NSP12LA	NSP13LA	NSP14LA	NSP16LA
White	NSP11W	NSP12W	NSP13W	NSP14W	NSP16W

Stainless Steel Wallplates without Label Fields, 1 and 2-Gang



	1-Gang					2-Gang			
	1-Port	2-Port	3-Port	4-Port	6-Port	4-Port	6-Port	9-Port	12-Port
Catalog Number	SSF11	SSF12	SSF13	SSF14	SSF16	SSF204	SSF206	SSF209	SSF212

Stainless Steel Wallplates with Label Fields



1-Gang	Catalog Number
1-Port	SSFL11
2-Port	SSFL12
3-Port	SSFL13
4-Port	SSFL14
6-Port	SSFL16

Duplex and Decorator Wallplates with Label Fields



Color	Duplex Wallplate	Decorator Wallplate
Office White	IFP18OW	IFP126OW

Stainless Steel Wall Mount Phone Plates, 1-Gang

630 Stainless steel, 1-gang wall phone plate.



SPUF SPUR

Jack Format	Includes Gray Jack	Catalog Number
Flush	6-position USOC, RJ25	SPUF
Flush	8-position Cat. 5e, RJ45	SP5EF
Flush	8-position Cat. 6, RJ45	SP6F
Recessed	6-position USOC, RJ25	SPUR
Recessed	8-position Cat. 5e, RJ45	SP5ER
Recessed	8-position Cat. 6, RJ45	SP6R

Opening
Hole size for mounting all Hubbell Jacks.

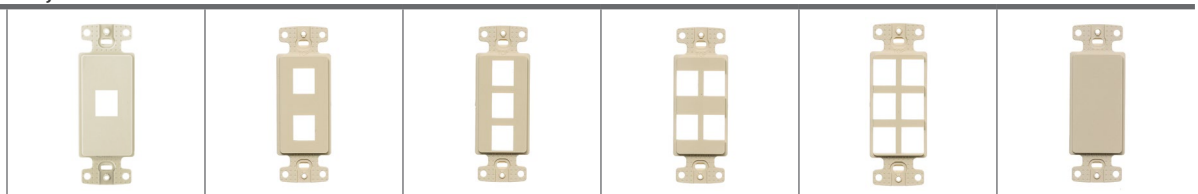


A: .575" (14.61) B: .676" (17.17)

Dimensions in Inches (mm)

Hubbell iSTATION Outlet Frames and Secure-IT Plates

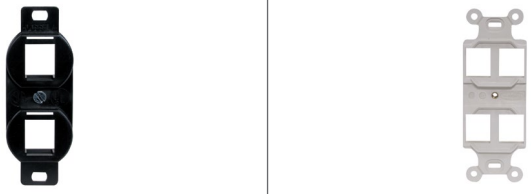
Decorator Frames, Unloaded



Color	1-Gang					
	1-Port	2-Port	3-Port	4-Port	6-Port	Adapter Blank*
Black	NS611BK	NS612BK	NS613BK	NS614BK	NS616BK	NS620BK
Gray	NS611GY	NS612GY	NS613GY	NS614GY	NS616GY	NS620GY
Ivory	NS611I	NS612I	NS613I	NS614I	NS616I	NS620I
Light Almond	NS611LA	NS612LA	NS613LA	NS614LA	NS616LA	NS620LA
White	NS611W	NS612W	NS613W	NS614W	NS616W	NS620W

*Note: *To fill an extra decorator opening or to create customized openings.*

Duplex Outlet Frames, Unloaded



Color	2-Port	4-Port
Black	BR106B	Q106B
Gray	BR106G	Q106G
Ivory	BR106E	Q106E
Office White	BR106C	Q106O
White	BR106W	Q106W

Secure-IT Plates

Secure-IT Plates protect mated and unmated connections from physical damage and unauthorized tampering. Available in Tamper-Resistant and Weatherproof versions.



TPF1W

Tamper-Resistant Plates

Color	1-Gang/4-Port
Black	TPF1BK
Gray	TPF1GY
Office White	TPF1OW
White	TPF1W



TWPF1GY

NEMA 3R Weatherproof Plates

Color	1-Gang/4-Port
Gray	TWPF1GY

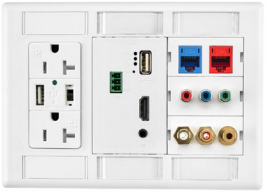
Tamper-Resistant Receptacle with 5V DC Power Output

Description	Color	Catalog Number
USB charger TR receptacle, (1) Type A USB port 3A, switched 5V DC output, 15A, 125V AC decorator duplex.	Black	AVPS152BK
	Ivory	AVPS152I
	Gray	AVPS152GY
	Office White	—
	White	AVPS152W



Dimensions in Inches (mm)






Hubbell iSTATION Modular Wallplate Frames

Single-Service, Low Voltage

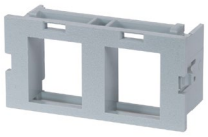
Color	1-Gang	2-Gang	3-Gang	4-Gang
Black	IMF1BK	IMF2BK	IMF3BK	IMF4BK
Gray	IMF1GY	IMF2GY	IMF3GY	IMF4GY
Ivory	IMF1EI	IMF2EI	IMF3EI	IMF4EI
Office White	IMF1OW	IMF2OW	IMF3OW	IMF4OW
White	IMF1W	IMF2W	IMF3W	IMF4W

Multi-Service, Power and Low Voltage

Color	1-Gang Decorator 1-Gang iSTATION	2-Gang Decorator	1-Gang Decorator 2-Gang iSTATION	1-Gang Decorator 3-Gang iSTATION	2-Gang Decorator 2-Gang iSTATION
Black	IMFP1D1BK	IMFP2BK	IMFP1D2BK	IMFP1D3BK	IMFP2D2BK
Gray	IMFP1D1GY	IMFP2GY	IMFP1D2GY	IMFP1D3GY	IMFP2D2GY
Ivory	IMFP1D1EI	IMFP2EI	IMFP1D2EI	IMFP1D3EI	IMFP2D2EI
Office White	IMFP1D1OW	IMFP2OW	IMFP1D2OW	IMFP1D3OW	IMFP2D2OW
White	IMFP1D1W	IMFP2W	IMFP1D2W	IMFP1D3W	IMFP2D2W

Hubbell iSTATION Stainless Steel Plates

1-Gang	2-Gang	3-Gang	4-Gang
IMSS1	IMSS2	IMSS3	IMSS4



Delivery Bezels and Modules

Color	Raceway Bezel	Hubbell iSTATION Bezel for Third-Party Raceway
Gray	KPIMBZGY	HWAPLGY
Office White	KPIMBZOW	HWAPLOW
White	–	HWAPLW

Third-Party Raceway Modules

Unloaded, 2-Port, 10-Pack

Color	Catalog Number
Black	HWM2KBK10
Gray	HWM2KGY10
Ivory*	HWM2KI10
White	HWM2KW10

*Note: *Equivalent to Hubbell Office White.*

Two and Three Gangable AV Wallboxes

Box	Dimensions	Top Knockouts	Bottom Knockouts	Back Knockouts	Catalog Number
2-Gang, 2″ KO, 54in³ capacity	H: 4.21″ W: 4.06″ D: 4.0″	(2) 1/2″ (2) 1/2″ – 3/4″ TKO*	(1) 1″, 1-1/4″, 1-1/2″ & 2″	(2) 1/2″ – 3/4″ TKO*	HBL985
3-Gang, 2″ KO, 79in³ capacity	H: 4.21″ W: 5.87″ D: 4.0″	(3) 1/2″ (3) 1/2″ – 3/4″ TKO*	(1) 1/2″ (1) 1/2″ – 3/4″ TKO* (1) 1″, 1-1/4″, 1-1/2″ & 2″	(3) 1/2″ – 3/4″ TKO*	HBL986



*Note: *TKO (Tangential Knockout).*

Low Voltage AV Wallbox Partitions

Compatible With	Description	Quantity	Catalog Number
HBL985 and HBL986	Solid divider.	1	HBL989
	With pass-thru capability.	1	HBL989AVD



Dimensions in Inches (mm)

HD15/9-Pin or HDMI Modules




	1 Unit	1.5 Unit
Color	**HD15/9-Pin or HDMI**	**Angled, HD15/9-Pin or HDMI**
Black	IMBDS1BK	IMBDSA15BK
Gray	IMBDS1GY	IMBDSA15GY
Ivory	IMBDS1EI	IMBDSA15EI
Office White	IMBDS1OW	IMBDSA15OW
White	IMBDS1W	IMBDSA15W

Modules








	1 Unit		1.5 Unit			
Color	**Flat, 1-Port**	**Flat, 2-Port**	**Angled, 1-Port**	**Angled, 2-Port**	**Recessed, Angled, 1-Port**	**Recessed, Angled, 2-Port**
Black	IM1K1BK	IM2K1BK	IM1KA15BK	IM2KA15BK	IM1IA15BK	IM2IA15BK
Gray	IM1K1GY	IM2K1GY	IM1KA15GY	IM2KA15GY	IM1IA15GY	IM2IA15GY
Ivory	IM1K1EI	IM2K1EI	IM1KA15EI	IM2KA15EI	IM1IA15EI	IM2IA15EI
Office White	IM1K1OW	IM2K1OW	IM1KA15OW	IM2KA15OW	IM1IA15OW	IM2IA15OW
White	IM1K1W	IM2K1W	IM1KA15W	IM2KA15W	IM1IA15W	IM2IA15W

Blank Modules





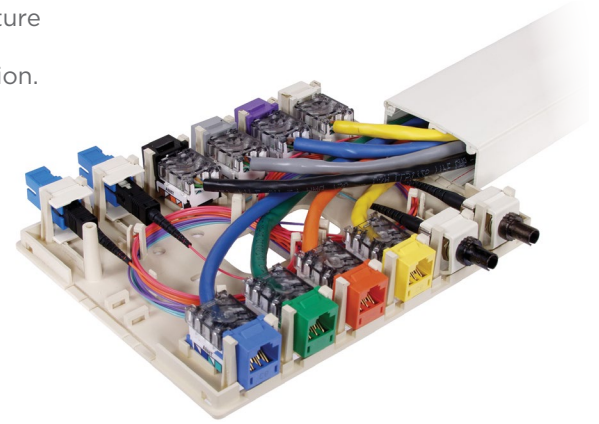
Color	0.5 Unit	1 Unit	1.5 Unit
Black	IMB05BK	IMB1BK	IMB15BK
Gray	IMB05GY	IMB1GY	IMB15GY
Ivory	IMB05EI	IMB1EI	IMB15EI
Office White	IMB05OW	IMB1OW	IMB15OW
White	IMB05W	IMB1W	IMB15W

Dimensions in Inches (mm)

Hubbell iSTATION Surface Mount Boxes

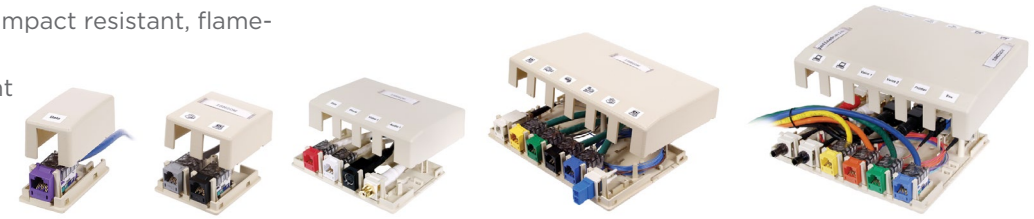
Ideal for open office MUTOA cabling, compact surface mount environments and retrofits to support data, voice and multimedia applications. Features adjustable furniture latches to provide an additional mounting option to common ANSI/TIA standard furniture openings and solutions requiring fiber. Box bases feature fiber storage posts that can store one meter fiber cable after termination.

Can be mounted with supplied surface mounting screws or double-sided adhesive tape and mounted to NEMA electric boxes or relay racks.



Features

- Low-profile design
- Accepts jacks, audio video and fiber connectors
- Provided with double-sided tape and mounting screws for easy installation
- UL and cULus Listed
- Constructed with a high-impact resistant, flame-retardant polymer
- ANSI/TIA-606B compliant



HSB Surface Mount Boxes

Color	1-Port	2-Port	4-Port	6-Port	12-Port
Black	HSB1BK	HSB2BK	HSB4BK	HSB6BK	HSB12BK
Ivory	HSB1EI	HSB2EI	HSB4EI	HSB6EI	HSB12EI
Gray	HSB1GY	HSB2GY	HSB4GY	HSB6GY	HSB12GY
Office White	HSB1OW	HSB2OW	HSB4OW	HSB6OW	HSB12OW
White	HSB1W	HSB2W	HSB4W	HSB6W	HSB12W

UL Plenum Rated HSB Surface Mount Boxes

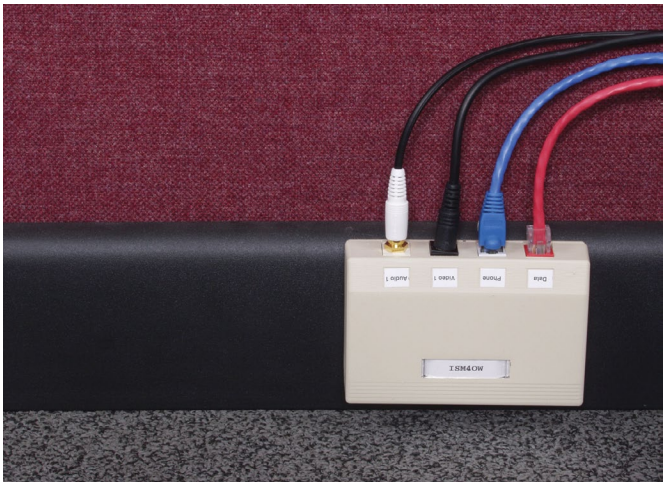
Color	1-Port	2-Port
Black	HSB1BKP	HSB2BKP
Ivory	HSB1EIP	HSB2EIP
Gray	HSB1GYP	HSB2GYP
Office White	HSB1OWP	HSB2OWP
White	HSB1WP	HSB2WP

Non-Metallic Raceway Compatibility Chart

Series	PP	PL	PW	PB
HSB1	✔			✔*
HSB2	✔			✔*
HSB4	✔	✔	✔	✔*
HSB6	✔	✔	✔	✔*
HSB12	✔	✔	✔	✔*

*Note: *Use PB3REDA transition fitting.*
See section U for Raceway product information.

PP1 = PREMISETRAK Latching Raceway.
PL1 = LANTRAK® Latching Raceway.
PW2 = WALLTRAK® Latching Raceway.
PB2 = BASETRAK® Non-Latching Raceway.
PB3 = BASETRAK Non-Latching Raceway.
PS3 = SUPER BASETRAK® Non-Latching Raceway.



Dimensions in Inches (mm)

Consolidation Point Block, Category 6 and Category 5e

Description	Catalog Number
Category 6, 12-port, universal, 89D.	HP612
Category 5e, 12-port, universal, 89D.	HP5E12


HP612 HP5E12

Universal Patch Panel, Category 5e

Description	Catalog Number
24-Port, 1.75" H.	HP5E24
48-Port, 3.50" H.	HP5E48
96-Port, 7.0" H.	HP5E96


HP5E24

Universal Patch Panel, Category 6

Description	Catalog Number
24-Port, 1.75" H.	HP624
48-Port, 3.50" H.	HP648
96-Port, 7.0" H.	HP696


HP5E48

Jack Panel, Unloaded

Description	Catalog Number
Wall mount, 12-port, black.	HPJ1289
Rack mount, 24-port, 1.75" h, black.	NSPJ24
Rack mount, 48-port, 3.5" h, black.	NSPJ48


NSPJ24

Rear Cable Management Bar*

Description	Catalog Number
Screws to the rear flange of a 19-inch rack.	CMBR
Hubbell Premise Wiring panel mount.	HPRCMB


CMBR

*Note: *Not UL Listed.*

Wall Mount Brackets, Bottom-Hinged

INCLUDES ASSEMBLED BOTTOM-HINGED WALL BRACKET

Rack Units	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)	Catalog Number
1	19" (483)	4" (102)	1.75" (45)	WBB14
2	19" (483)	4" (102)	3.50" (89)	WBB24
		8" (203)	3.50" (89)	WBB28
4	19" (483)	4" (102)	7.00" (178)	WBB44
		8" (203)	7.00" (178)	WBB48
6	19" (483)	4" (102)	10.50" (267)	WBB64
		8" (203)	10.50" (267)	WBB68
		18" (457)	10.50" (267)	WBB618


WBB24


WBB48


WBB618

Wall Mount Brackets, Side-Hinged

INCLUDES ASSEMBLED SIDE-HINGED WALL BRACKET

Rack Units	Width Inches (mm)	Depth Inches (mm)	Height Inches (mm)	Catalog Number
2	19" (483)	4" 102)	3.50" (89)	WBS24
4	19" (483)	4" (102)	7.00" (178)	WBS44
2	19" (483)	8" (203)	3.50" (89)	WBS28
4	19" (483)	8" (203)	7.00" (178)	WBS48

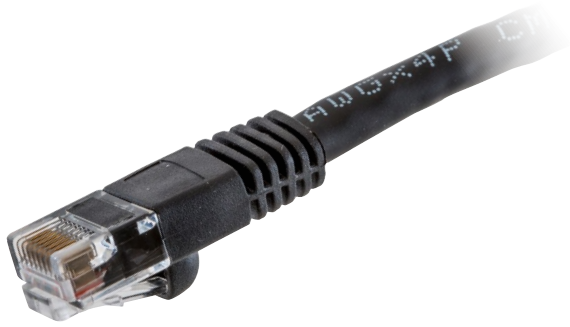

WBS44

Dimensions in Inches (mm)

NSC Patch Cords

Features and Benefits

- Conductor: #24 AWG UTP
- Jacket: Flame-Retardant PVC-CM Rated
- Plug Body: Polycarbonate UL 94V-0
- Plug Boot: PVC
- Contact Plating: 50 micro-inch Gold





Housing Design

- Category 6 performance
- PoE ready



Performance, Mechanical

- Cable to plug tensile strength: 20+ lbs.
- Mating cycles: 2000+

NSC Patch Cords, Category 6

Length (Feet)	Color			
	Black	Blue	Gray	White
1′	NSC6BK01	NSC6B01	NSC6GY01	NSC6W01
3′	NSC6BK03	NSC6B03	NSC6GY03	NSC6W03
5′	NSC6BK05	NSC6B05	NSC6GY05	NSC6W05
7′	NSC6BK07	NSC6B07	NSC6GY07	NSC6W07
10′	NSC6BK10	NSC6B10	NSC6GY10	NSC6W10
15′	NSC6BK15	NSC6B15	NSC6GY15	NSC6W15



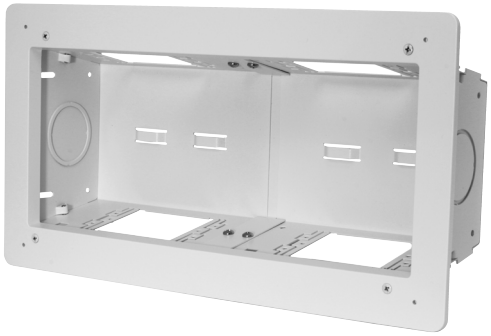
NSC6B01

Dimensions in Inches (mm)

Features and Benefits

Hubbell's netSELECT Flat Panel Television (FPTV) connection enclosure delivers high-density connectivity and power in the wall. This allows flat panel displays and interactive "smart" boards to sit flush against walls with no dangling cords. It quickly installs to studs or sheetrock without additional components or hardware.

- 18 Gauge white powder coated rugged steel base
- 2 and 4-gang enclosure with two 1-1/2 and 1-1/4 inch KOs
- Optional screw on cover reduces tampering
- cULus 1863 Listed





Box Design

- Flush against walls installation
- Sheet metal base white powder coat finish
- Accepts standard electrical boxes
- Integrated cable management



Mounting

- Multiple device mounting options
- 1-1/2" and 1-1/4" conduit knockouts
- Easily mounts to studs or sheetrock
- Easily replaceable receptacle
- Trim ring covers rough-in

FPTV Connection Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
2-gang in-wall enclosure.	8.16" (207)	7.92" (201)	3.37" (86)	White	**NSAV62M**
4-gang in-wall enclosure.	14.80" (376)	7.92" (201)	3.37" (86)	White	**NSAV124M**
Steel cover for NSAV6 series.	7.2" (183)	7.2" (183)	0.05" (1)	White	**NSAV6C**
Steel cover for NSAV12 series.	13.80" (351)	7.2" (183)	0.05" (1)	White	**NSAV12C**
Block wall adapter.					**NSAV6BW***
New work stud brackets.					**NSAV6NW***

*Note: * Compatible w/ the NSAV62M and not compatible with the NSAV124M.*

NSAV6C



NSOKPS

Accessories

Power Kits

Description	Color	Catalog Number
Standard power kit.	White	**NSOKPTR**
Surge protected power kit.	Blue	**NSOKPS**



NP26W

Unloaded Wallplates and Frames

1-gang blank wallplate.	White	**P14W**
1-gang decorator wallplate.	White	**P26W**
1-gang Hubbell iSTATION wallplate.	White	**IMF1W**
1-gang 4-port wallplate.	White	**NSP14W**



NS801W

AV Connectors and Wallplates

1-port HDMI frame.	White	**NS801W**
2-port HDMI frame.	White	**NS802W**
HDMI snap fit.	White	**SFHC14W**
F-connector snap fit.	White	**NSF70W**
USB A-to-B snap fit.	White	**SFUSBABW**
Cat 6 snap fit jack.	White	**NSJ6W**

Note: See pages AA-4 to AA-7 for snap fit multimedia jacks and AV connectors.



SFHC14W



NSJ6W

Dimensions in Inches (mm)

AV Ceiling Enclosure

The AV Ceiling Enclosure is designed to work with active AV devices to integrate AV distribution, data connections and power in one location, providing a direct connection to a projector or a display device. An additional AV/data kit can be added or customized to address all connector, mounting and patching needs, reducing multiple pieces on site.



- Manage multiple applications inside one enclosure
- Flush mounted, white enclosure for consistent look when mounted in the ceiling
- Loaded with two Hubbell 20A duplex receptacles and a 2-gang back box
- All steel rugged construction provides the ultimate strength for installation

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Color	Catalog Number
AV Ceiling Enclosure.	12" (305)	24" (610)	8" (203)	White	**AVCE1H**

Note: Enclosure includes two 20 amp duplex receptacles and 2-gang back box.

HDMI Decorator Frames

netSELECT HDMI Decorator Frames deliver uncompromising digital audio and video wherever you need it. Unleash the full potential of your high definition display and audio installations.



Frame Design

- High impact thermoplastic frame
- Connector flush to frame face



Connector

- Thumbscrew prevents accidental disconnection only when used with Hubbell's HDMI patch cords
- Connector sized to fit 1 inch conduit
- 4 inch flexible extension reduces bend radius issues in confined spaces

HDMI Products

Description	Color	1-Gang, 1-Port	1-Gang, 2-Port
HDMI, decorator frame, female to female.	Black Gray Ivory Light Almond White	**NS801BK** **NS801GY** **NS801I** **NS801LA** **NS801W**	**NS802BK** **NS802GY** **NS802I** **NS802LA** **NS802W**



NS801W



NS802W

HDMI Patch Cords, #24 AWG





Length (Feet)	HDMI Device Patch Cords	Length (Feet)	Horizontal Cords (Connector to Connector)
3 6	**HCH03BK** **HCH06BK**	20 30 60 100	**HCHX20BK** **HCHX30BK** **HCHX60BK** **HCHX100BK**

Note: Black and Non-Plenum only.

Dimensions in Inches (mm)

Connect Your Home to Internet, Voice and Video Services

netSELECT is an innovative network solution that's perfect for any home or small office. Specifically positioned as the voice/data segment for the Residential brand, the netSELECT System satisfies the need for a dependable, flexible system that can accommodate all of today's fast-changing voice, data and video requirements.

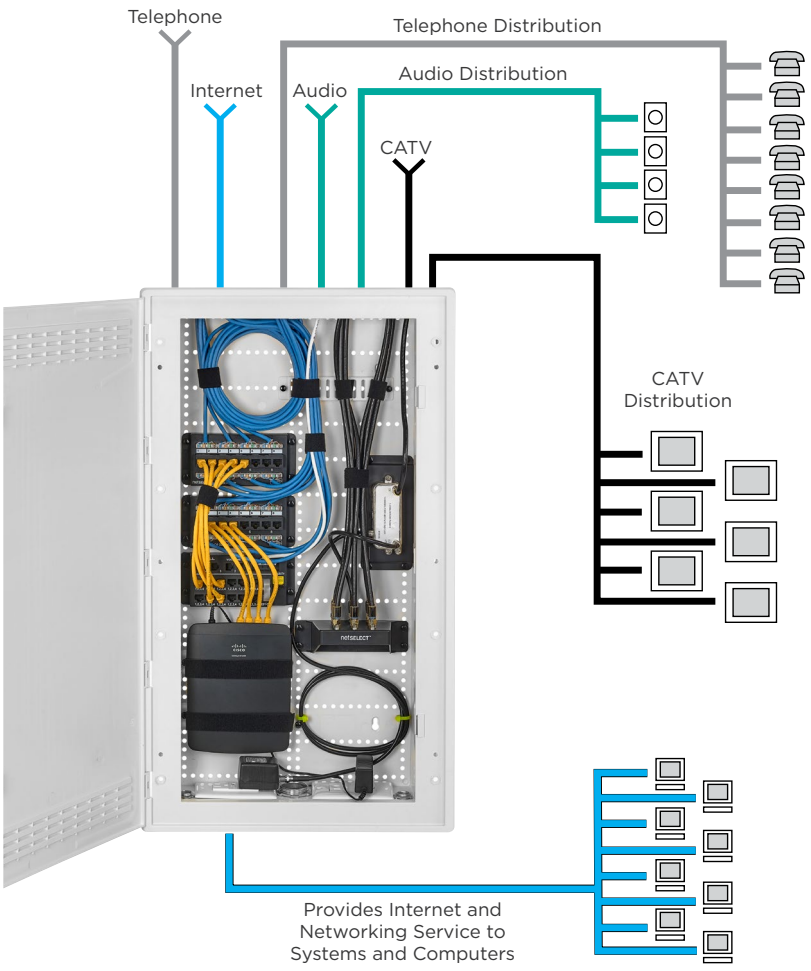
This cost-effective solution incorporates all the quality you'd expect from Hubbell. Built-in flexibility makes it easy to upgrade and keep pace with evolving technologies.

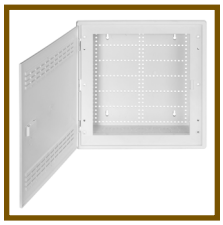
- Share single analog, cable or DSL internet connection
- Local file access
- Shared peripherals
- Multiple telephone distribution
- Call handling (PBX)
- Video distribution
- Play games that allow multi-users
- Control home automation systems

Specifications

- Material: High-impact thermoplastic to minimize WiFi degradation
- Finish: White, satin finish
- UL and cULus Listed

Today's communications entail a lot more than just talking.
netSELECT keeps you connected - internet, voice, data and entertainment





Flexibility

- Hinged door can be mounted to swing from either side



Options

- Horizontal and vertical module mounting holes for maximum flexibility



Installation

- Additional nylon push pins provided to assist module mounting

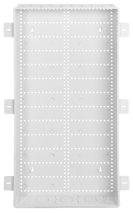
Network Enclosures

Features

- Flush or surface mount enclosure (hardware provided)
- Hinged cover can be mounted to swing from either side
- Integral trim ring hides rough-in hole in sheet rock providing a finished appearance (except NSOBOX48)
- Horizontal and vertical module mounting holes for maximum flexibility
- Unique 89D bracket mounting holes allow easy mounting of 66 blocks and peripherals
- Provisions to mount optional duplex power and lock kit available
- Integral cable management slots and tie-wraps provided to help dress cable runs
- Additional nylon push pins provided to assist module mounting
- Material: 20-18 gauge steel
- Finish: white, powder coat
- cULus Listed 1863



Box with Hinged Vented Door



Box Only



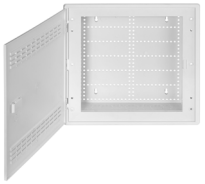
Hinged Vented Door



Hinged Vented Door Open

14-Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Module Unit Capacity	Catalog Number
With hinged vented door.	16.2″ (412)	17.5″ (445)	4.35″ (111)	5	**NSOBXP14**
14″ height box only.	13.5″ (343)	17.1″ (434)	3.95″ (100)	5	**NSOBXP14B**
Hinged vented door.	16.2″ (412)	17.5″ (445)	0.4″ (10)	—	**NSOBXP14D**



28-Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Module Unit Capacity	Catalog Number
With hinged vented door.	30″ (762)	17.5″ (445)	4.35″ (111)	11	**NSOBXP28**
28″ height box only.	27.7″ (704)	17.1″ (434)	3.95″ (100)	11	**NSOBXP28B**
Hinged vented door.	30″ (762)	17.5″ (445)	0.4″ (10)	—	**NSOBXP28D**



42-Inch Network Enclosure

Description	Height Inches (mm)	Width Inches (mm)	Depth Inches (mm)	Module Unit Capacity	Catalog Number
With hinged, vented, 2-piece door.	45.1″ (1146)	17.5″ (445)	4.35″ (111)	16	**NSOBXP42**
42″ height box only.	42.6″ (1082)	17.1″ (434)	3.95″ (100)	16	**NSOBXP42B**
Hinged vented door (2-piece).	45.1″ (1146)	17.5″ (445)	0.4″ (10)	—	**NSOBXP42D**



Dimensions in Inches (mm)

Features

netSELECT Modular Components enable the designer to select performance requirements specifically for the application. Modules snap horizontally or vertically into the enclosures for maximum flexibility and optimum space usage.

- Dimensions: 6.47 in. W x 2.95 in. H, except NSOMTM24 6.47 in. W x 6.00 in. H
- Meets FCC Part 68 standard
- Material: High impact plastic
- cULus Listed 1863
- All data and phone modules 568A wired

Data Modules

Description	Units	Catalog Number
Category 5e data module, 8-port supports Gigabit Ethernet for up to (8) Category 5e data lines with front 110 punch-down terminations in a protected PCB module; pre-mounted push pins snap the module quickly into place.	1	NSODM8
Category 6 data module, 8-port supports enhanced transmission speeds beyond Gigabit Ethernet; future-proof for tomorrow's applications.	1	NSODM8C6


NSODM8

Primary Telephone Module

Description	Units	Catalog Number
8-port phone outlets with up to (4) incoming lines for voice, fax or modem applications in a protected PCB module; pre-mounted push pins snap the module quickly into place; RJ31X interface jack included for security system connection; RJ45 jack interfaces with optional NSOETM8 telephone expansion module for additional extensions.	1	NSOPTM8


NSOPTM8

Multi-Provider Patchable Telcom Module

Description	Units	Catalog Number
12-port telephone module distributes 4 incoming lines out to 12 locations through RJ-45 jacks; allows data lines to be converted to voice with the move of a patch cord; RJ31X interface jack is included for security system connection.	1	NSOMTM12


NSOMTM12

Combination Modules

Description	Units	Catalog Number
6-port telephone panel and 6-port coaxial splitter with optional 6-port Category 5e panel provides voice, video, and data distribution in a space efficient package; perfect for use with NSOBOX10 and NS790xx plates to quickly establish a comprehensive home network.		
6-port telephone and video.	3	NSOTVM6
6-port telephone, video and Category 5e.	3	NSOTVDM6
6-port Category 5e data upgrade kit.	3	NSODK6



NSOTVDM6

Dimensions in Inches (mm)

Features

netSELECT Video Modules support bidirectional signal by splitting to 4, 6, or 8 separate work areas. Pre-mounted push pins snap the module quickly into place.

- Dimensions for VAMP, AM8 and BM: 6.47 in. W x 2.95 in. H
- Dimensions for video splitters: 6.47 in. W x 2.09 in. H x 3.20 in. D
- Material: High impact plastic
- cULus Listed 1863

4-Way Coaxial Splitter Modules

One incoming line, four outgoing.

Description	Units	Catalog Number
1GHz, basic unit.	1	**NSOVM4**
2.3GHz, enhanced capability.	1	**NSOVM42G**



NSOVM4

6-Way Coaxial Splitter Modules

One incoming line, six outgoing.

Description	Units	Catalog Number
1GHz, basic unit.	1	**NSOVM6**
2.3GHz, enhanced capability.	1	**NSOVM62G**



NSOVM6

8-Way Coaxial Splitter Modules

One incoming line, eight outgoing.

Description	Units	Catalog Number
1GHz, basic unit.	1	**NSOVM8**
2.3GHz, enhanced capability.	1	**NSOVM82G**



NSOVM8

Blank Module Bracket

Description	Units	Catalog Number
Allows mounting of active components (i.e. switches, routers) or other devices onto a modular platform; (2) VELCRO® brand fasteners included to mount components onto module; pre-mounted push pins snap the module quickly into place; 2-pack.	1	**NSOBM2**


NSOBM2

Dimensions in Inches (mm)

VELCRO® is a registered trademark of Velcro Industries B.V.

Features

netSELECT Accessories enhance system capabilities. Cabinet mounted receptacle kits provide convenience power to the enclosure.

- Receptacles available in surge and standard kits

Accessories

Description	Color	Catalog Number
Standard Power Kit, includes tamper-resistant duplex receptacle 15A 125V NEMA 5-15R, electrical steel box and wallplate.	White	**NSOKPTR**
Surge Suppression Power Kit, includes surge receptacle 15A 125V NEMA 5-15R, 240 Joules/15,000A protection per mode, electrical steel box and wallplate.	White	**NSOKPS**
Chromed Steel Lock Kit, includes two keys. Eliminates unwanted tampering.	Chrome	**FLOCK1**
Panel Bracket Adapter, for use with adapter panels shown below, and FSP series modules. Snap mounts into structured cabling enclosures.	Black	**NSOFSB**
Jacks Adapter Panel, with six blank openings for jacks and snap fits.	Black	**FSPNHD6X**



NSOKPS



FLOCK1



NSOFSB



FSPNHD6X

Dimensions in Inches (mm)

Molded-In Voice/Data/Video

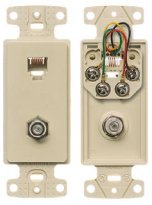
Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate. Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

		
Description	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor.	Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female.
Color	**Screw Terminations**	**Screw Terminations**
Black	**NS770BK**	—
Brown	**NS770**	—
Gray	**NS770GY**	—
Ivory	**NS770I**	—
Light Almond	**NS770LA**	**NS780LA**
White	**NS770W**	**NS780W**

		
Description	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female.	Decorator Frame, One Cat. 5e 110 Punch-Down, One F-Type Coupler Bulkhead, Female to Female.
Color	**Screw Terminations**	**110 Punch-Down Terminations**
Black	—	**NS785BK**
Brown	—	**NS785**
Gray	—	**NS785GY**
Ivory	—	—
Light Almond	**NS783LA**	**NS785LA**
White	**NS783W**	**NS785W**

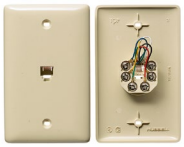
Dimensions in Inches (mm)

Features

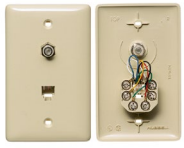
Designed for voice, these devices provide an economical alternative to wall phone outlet placement.

- High impact-resistant thermoplastic wallplate
- Convenient screw down terminals
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Plates for Voice

					
Description	1-Gang Plate, One RJ11 Jack, 6-Position, 4-Conductor, Screw Terminations.		1-Gang Plate, One RJ11 Jack, 6-Position, 6-Conductor, Screw Terminations	1-Gang Plate, Duplex RJ11 Jacks, 6-Position, 4-Conductor, Screw Terminations.	
Color	**Standard**	**Mid-Size**	**Standard**	**Standard**	**Mid-Size**
Brown	**NS730**	—	**NS732**	—	—
Ivory	**NS730I**	—	**NS732I**	**NS744I**	—
Light Almond	**NS730LA**	—	**NS732LA**	—	—
White	**NS730W**	**NS735W**	**NS732W**	**NS744W**	**NS745W**

Molded-In Plates for Voice and CATV/Satellite

					
Description	1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female, One RJ11 Jack, 6-Position, 6-Conductor.		1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female, One RJ11 Jack, 6-Position, 4-Conductor.	1-Gang Plate, One F-Type Coupler Bulkhead, Female to Female.	
Color	**Standard**	**Mid-Size**	**Standard**	**Standard**	**Mid-Size**
Ivory	**NS748I**	—	**NS747I**	**NS750I**	—
Light Almond	**NS748LA**	—	**NS747LA**	**NS750LA**	—
White	**NS748W**	**NS755W**	**NS747W**	**NS750W**	**NS751W**
					

Dimensions in Inches (mm)

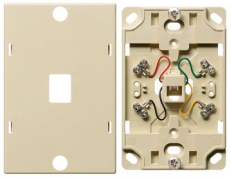
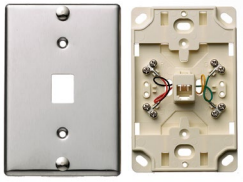
Telephone Wall Jacks

Features

Designed for voice applications, these jacks provide an economical alternative to basic wall mount and performance needs.

- Available in high impact-resistant thermoplastic or stainless steel
- Meets FCC part 68
- cULus Listed 1863 - Communication Circuit Accessory and CSA Certified

Telephone Wall Jacks

			
Description	Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations.	**Description**	Wall Phone Jack, 6-Position, 4-Conductor, Screw Terminations.
Ivory White	**NS722I** **NS722W**	Stainless Steel	**NS726SS**

Features

Telephone surface mount jacks are available in 4 or 6-conductor configurations for voice. Alternatively, multimedia surface mount boxes can be custom loaded for computer and media use.

- High impact-resistant thermoplastic
- Mounts using screws or double sided tape (both included)
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Telephone Surface Mount Jacks

		
Description	Multimedia 1-Port Surface Mount Box, Jack Not Included.	Multimedia 2-Port Surface Mount Box, Jacks Not Included.
Black Gray Ivory Office White White	**HSB1BK*** **HSB1GY*** **HSB1EI*** **HSB1OW*** **HSB1W***	**HSB2BK*** **HSB2GY*** **HSB2EI*** **HSB2OW*** **HSB2W***

*Note: *cULus Listed 1863 - Communication Circuit Accessory.*
See pages AA-4 to AA-7 for snap fit multimedia jacks and AV connectors.

Dimensions in Inches (mm)

Horizontal UTP Cable and Patch Cords

- Solid copper 4-pair #24 or better AWG UTP is specified for distribution cabling. Stranded UTP is specified for patch cords for flexibility. Shielded cable is not commonly used in the U.S. splices and bridge taps are not permitted.
- Cable, connectors and patch cords shall be marked with the performance category. Always match performance categories of cables and components throughout the infrastructure.
- All cable, cords and connecting hardware shall meet performance requirements of ANSI/TIA/EIA-568-C.1 and 568-C.2. Hubbell assures this compliance with all products and cable partners.

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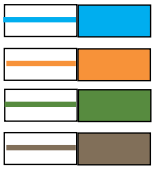
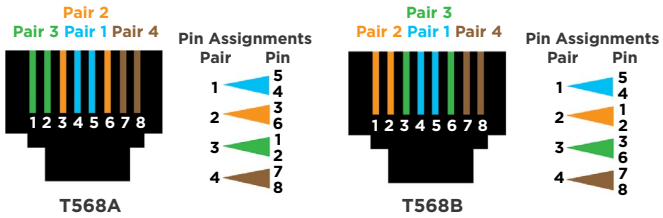


white-blue/blue
white-orange/orange
white-green/green
white-brown/brown

Recognized Connector and Wiring Configurations

- 8-position modular jack/plug
- 8-position modular panel/plug
- T568A wiring or T568B wiring options
- Cat. 5e or Cat. 6 recommended



RJ45 - TIA-568 Conventions

Two wiring standards were adopted. Both configurations provide equivalent transmission performance.

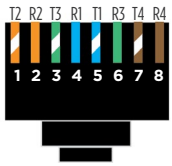
8 Position / 8 wire



T568A

- Preferred method
- Directly compatible with 2-pair voice and Token Ring systems utilizing 6-position connectors

8 Position / 8 wire



T568B

- Optional method
- AT&T's standard
- Directly compatible with AT&T phone systems

LAN Wiring Conventions

Local Area Network standards designed to operate over UTP specify pin/pair assignments on modular connectors for various signal transmission protocols. While TIA/EIA-568A and 568B conventions support all of these designations, there are some cases where the user chooses to cable only the number of pairs required to support these applications.

8 Position / 4 wire



10/100BASE-T

- 10 Mbps Ethernet over UTP
- 100 Mbps Ethernet

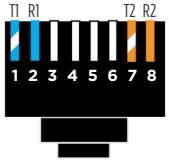
8 Position / 4 wire



Token Ring

- 4/16 Mbps Token Ring over copper

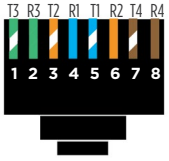
8 Position / 4 wire



TP-PMD

- 100 Mbps FDDI over copper (pending)

8 Position / 8 wire



1000BASE-T
T568A

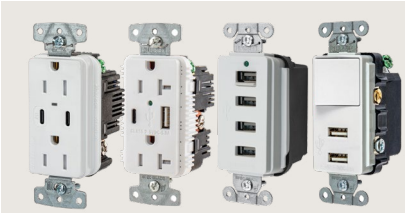
- 1000 Mbps/10Gb Ethernet over UTP
- Uses all four pairs

Notes





Decorator Products



USB Charger Receptacles and Outlets



Power Delivery

Decorator Products

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Products at a Glance



Decorator Switches

- Smooth, quiet rocker
- Self-grounding feature is standard
- Nightlight version is available
- Ultrasonically welded cover and base
- Operating temperature : -20°C to 60°C
- UL Listed, CSA Certified



Passive Infrared Wall

- Switches and Timers
- Passive infrared technology
- Photocell (WS2000 series)
- No neutral required
- Steel mounting strap
- Compatible with most LED and CFL
- CEC Title 24 and Ashrae 90.1 compliant
- cULus



Decorator Duplex Receptacles

- Self-grounding feature is standard
- Tamper and weather resistant availability
- Multiple-drive Slot/Phillips/ Robertson head screws
- Nightlight version is available
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified



Modular Snap Fit Jacks

- Customize the jack selections and look
- Molded-In voice/low-speed data, modular snap fit
- AV connectors, standard bulkhead
- AV connectors, recessed



USB Charger Receptacles

- Multiple options
- Patented Hubbell tamper-resistant technology uses cam action shutters
- Standard and hospital grade
- cULus Listed to UL498 and UL1310

4 Port and 2 Port USB Outlets

- Switch activated port door; when open enables power; when closed, all power is switched OFF, for a “zero” no-load draw
- Shallow depth design for two port



USB Wall Chargers

- Flexible holder to hold phone firmly in place
- Phone can be inserted vertically or horizontally
- Green LED indicates power available and blue LED indicates wireless charging
- Available in combination with 15A or 20A 125V tamper-resistant receptacle with USB



GFCI Receptacles

- Patented AUTOGUARD® self-test technology includes disconnecting power to the receptacle if critical components are damaged and GFCI protection is lost
- Internal back wiring clamp and guide for quick and secure termination
- Nightlight option includes light sensor controls for automatic ON and OFF, custom dual lens for optimum light output



Power Delivery

- Hubbell Pop-Up receptacles for countertops provide a power source ideal for kitchen or bath counters and islands
- Round non-metallic floor boxes for concrete floors
- Height adjustable wood floor boxes
- Drop-In floor boxes are perfect for quick and easy installations
- Under cabinet/counter power distribution boxes can also be placed under counter islands or kitchen cabinets
- JLOAD® multimedia outlet isolates low voltage and power in the same box

Decorator Products - Smart Style, Good Looks

Residential Decorator Switches and Receptacles provide solid, dependable performance and more. Indeed, they are fashion statements, masterfully complementing the look and feel of any room in any home.

Single Pole Decorator Quiet Rocker Switches

Description	Single Pole	Single Pole, Illuminated	Single Pole, Pilot Light	Single Pole with Nightlight	Single Pole with ON/OFF Marking
Termination	Self-Grounding, Push, Back and Side Wire.	Self-Grounding, Push, Back and Side Wire.	Self-Grounding, Push, Back and Side Wire.	Self-Grounding, Push, Back and Side Wire.	Self-Grounding, Push, Back and Side Wire.
Rating	15A 120-277V AC	15A 120V AC	15A 120V AC	20A 120V AC	15A 120-277V AC
Black	**RSD115BK**	—	—	**DS120NLBK****	—
Brown	**RSD115**	—	—	**DS120NLBR****	—
Gray	**RSD115GY**	—	—	**DS120NLGY****	—
Ivory	**RSD115I**	**RSD115ILI***	**RSD115PLI****	**DS120NLIV****	**RSD115IM**
Light Almond	**RSD115LA**	**RSD115ILLA***	**RSD115PLLA****	**DS120NLLA****	**RSD115LAM**
White	**RSD115W**	**RSD115ILW***	**RSD115PLW****	**DS120NLWH****	**RSD115WM**

*Note: *Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire. **Light glows through the top portion of the rocker when switch is in the OFF position. Requires a neutral wire.*

Double Pole, Three Way and Four Way Decorator Quiet Rocker Switches

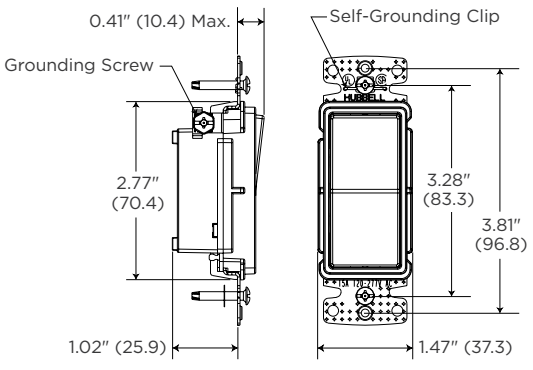
Description	Double Pole	Three Way	Three Way, Illuminated	Four Way
Termination	Self-Grounding, Back and Side Wire.	Self-Grounding, Push, Back and Side Wire.	Self-Grounding, Push, Back and Side Wire.	Self-Grounding, Back and Side Wire.
Rating	15A 120-277V AC	15A 120-277V AC	15A 120V AC	15A 120-277V AC
Black	**RSD215BK**	**RSD315BK**	—	**RSD415BK**
Brown	**RSD215**	**RSD315**	—	**RSD415**
Gray	**RSD215GY**	**RSD315GY**	—	**RSD415GY**
Ivory	**RSD215I**	**RSD315I**	**RSD315ILI***	**RSD415I**
Light Almond	**RSD215LA**	**RSD315LA**	**RSD315ILLA***	**RSD415LA**
White	**RSD215W**	**RSD315W**	**RSD315ILW***	**RSD415W**

*Note: *Light glows through the top portion of the rocker when switch is in the OFF position. Does not require a neutral wire.*

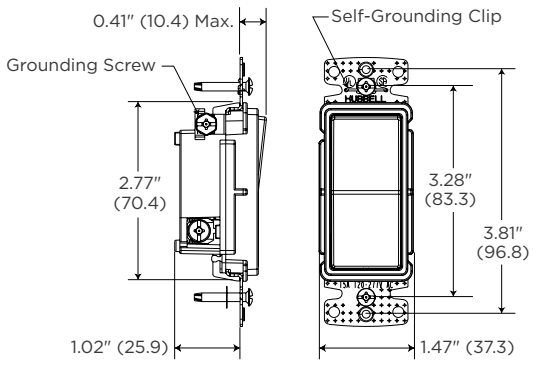
Decorator Weatherproof Series

Description	Color	Catalog Number
Style Line® rocker, weatherproof, self-grounding, 20A, 120/277V AC, back and side wire.	Gray Light Almond White	**RSD120WPGY** **RSD120WPLA** **RSD120WPW**

Dimensions



Single Pole Decorator Switch



Three Way Decorator Switch



RSD115W



RSD115PLW



DS120NLWH



RSD115WM



RSD120WPW



RSD215W

Dimensions in Inches (mm)

Decorator Combination Quiet Rocker Switches/Devices

Features

- Low profile, less than 1 inch deep
- Self-grounding feature is standard
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified

Combination Quiet Rocker Switches/Devices

Description	Three (3) Single Pole Switches.	Two (2) Single Pole Switches.	Single Pole and Three Way Switch.	Single Pole Switch, 2 Pole, 3 Wire Receptacle.
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120-277V AC	15A 120-277V AC	15A 120-277V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R
Black	—	**RCD101BK**	**RCD103BK**	**RCD108BK**
Gray	—	**RCD101GY**	**RCD103GY**	**RCD108GY**
Ivory	**RCD111I**	**RCD101I**	**RCD103I**	**RCD108I**
Light Almond	**RCD111LA**	**RCD101LA**	**RCD103LA**	**RCD108LA**
White	**RCD111W**	**RCD101W**	**RCD103W**	**RCD108W**

Description	Single Pole Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle.	Two (2) Three Way Switches.	Three Way Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle.
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120-277V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R
Black	**RCD108BKTR**	**RCD303BK**	**RCD308BKTR**
Gray	**RCD108GYTR**	—	**RCD308GYTR**
Ivory	**RCD108ITR**	**RCD303I**	**RCD308ITR**
Light Almond	**RCD108LATR**	**RCD303LA**	**RCD308LATR**
White	**RCD108WTR**	**RCD303W**	**RCD308WTR**

Description	Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb.	Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb.	Nightlight Only.
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, 6" Pre-wired Stranded Wire, 1/2" Stripped Ends
Rating	15A 120V	15A 120V	120V
Ivory	**RCD109I***	**RCD309I***	**DD100NLIV***
Light Almond	**RCD109LA***	**RCD309LA***	**DD100NLLA***
White	**RCD109W***	**RCD309W***	**DD100NLWH***

*Note: See page Tech-10 for Tamper-Resistant description. *Requires neutral wire.*



RCD111W



RCD101W



RCD108W

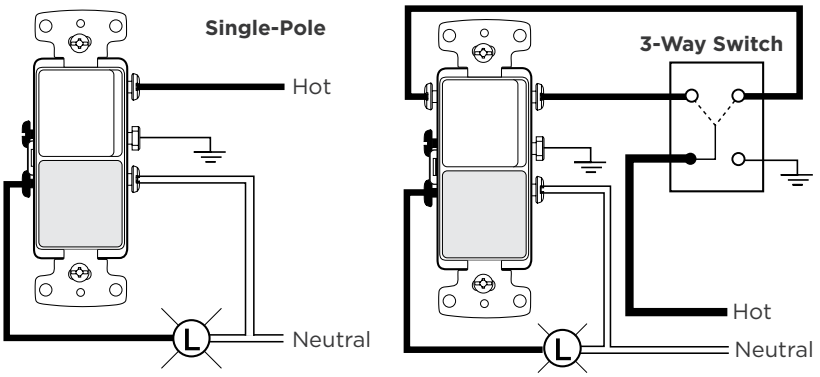


RCD109W



DD100NLWH

Pilot Light Wiring Diagram



Dimensions in Inches (mm)

Decorator Duplex Receptacles, 2 Pole, 3 Wire

Description	Weather and Tamper-Resistant.	Tamper-Resistant.	Standard.
Termination	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Push and Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black	**RRD15SBKWRTR**	**RRD15SBKTR**	**RRD15BK**
Brown	**RRD15SWRTR**	**RRD15STR**	**RRD15**
Gray	**RRD15SGYWRTR**	**RRD15SGYTR**	**RRD15GY**
Ivory	**RRD15SIWRTR**	**RRD15SITR**	**RRD15I**
Light Almond	**RRD15SLAWRTR**	**RRD15SLATR**	**RRD15LA**
White	**RRD15SWWRTR**	**RRD15SWTR**	**RRD15W**
Description	Tamper-Resistant, Nightlight Receptacle.		
Termination	Self-Grounding, Two Nightlight Sources for 0.5 Lumens Total, Back and Side Wired		
Rating	15A 125V NEMA 5-15R		
Black	—		
Brown	—		
Gray	—		
Ivory	**DR15NLIV**		
Light Almond	**DR15NLLA**		
White	**DR15NLWH**		

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.


RRD15SWTR


RRD15SW


DR15NLWH

Decorator Single Receptacles, 2 Pole, 3 Wire

Description	Tamper-Resistant.	Tamper-Resistant.
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 125V NEMA 5-15R	20A 125V NEMA 5-20R
Black	**RRD151BKTR**	**RRD201BKTR**
Brown	**RRD151TR**	**RRD201TR**
Gray	**RRD151GYTR**	**RRD201GYTR**
Ivory	**RRD151ITR**	**RRD201ITR**
Light Almond	**RRD151LATR**	**RRD201LATR**
White	**RRD151WTR**	**RRD201WTR**
Description	Standard.	Standard.
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 250V NEMA 6-15R	20A 250V NEMA 6-20R
Black	**RRD155BK**	**RRD205BK**
Brown	**RRD155**	**RRD205**
Gray	**RRD155GY**	**RRD205GY**
Ivory	**RRD155I**	**RRD205I**
Light Almond	**RRD155LA**	**RRD205LA**
White	**RRD155W**	**RRD205W**

Note: See page Tech-10 for Tamper-Resistant description.


RRD151W


RRD205W

Weather Resistant Recessed Receptacle with While-In Use Cover

Description	Housing Color	Horizontal Mount	Vertical Mount
Weather and tamper-resistant duplex receptacle with clear while-in-use cover, 15A 125V.	Gray White Brown	**RW15300GY** **RW15300W** **RW15300BR**	**RW15400GY** **RW15400W** **RW15400BR**


RW15400GY

Dimensions in Inches (mm)

USB Charger Receptacles and Outlets

Features and Benefits

Hubbell's new fast charging USB-C Power Delivery receptacles provide more power. Users can quickly charge laptops and other large devices. The USB-C port marked PD (Power Delivery) provides up to 55 Watt of output. The additional Type-C or Type A port delivers up to 1.5 Amp, 5 Volt (7.5 Watt) of power.

- LED ON to indicate USB and line voltage power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2 and 3.0 Power Delivery specifications
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products



USB15ACPDW

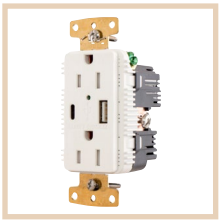


USB4ACW



Type-C USB Charger

- Two Type-C port configurations
- USB-C PD port (up to 20 Volt, 55 Watt output)
- 2nd USB-C convenience port (up to 1.5 Amp, 5 Volt, 7.5 Watt output)
- Heavy duty spec grade
- Tamper resistant commercial grade duplex receptacle



Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC®
- 5 Amp, 5 Volt USB output
- Power indicating green LED light



Type A&C USB Charger

- One Type A and one Type C port configurations
- USB-C PD port (up to 20 Volt, 55 Watt output)
- 2nd USB-A convenience port (up to 1.5 Amp, 5 Volt, 7.5 Watt output)
- Heavy duty spec grade
- Tamper-resistant commercial grade duplex receptacle



4 Port USB Charger

- 4 Port outlet, 5 Amp, 5V DC, Type-C, Type A&C and Type A class 2.0
- Switch activated port door; when open enables power; when closed, all power is switched off, for a "zero" no-load draw



USB Wall Chargers

- Flexible holder to hold phone firmly in place
- Phone can be inserted vertically or horizontally
- Green LED indicates power available and blue LED indicates wireless charging
- Available in combination with 15A or 20A 125V tamper-resistant receptacle with USB



Switch Combo Outlets

- Two USB ports 2.1 Amp, 5 Volt DC, Type A, class 2.0
- Isolated 15 Amp, 120V AC single pole/3-way switch

Apple® is a registered trademark of Apple Inc.
NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Wireless Chargers

Description	Color	Rating	Receptacle	Catalog Number
Wireless wall mount phone charger.	White	Coil: 7.5 watt inductive, 125V AC input	—	USB1518

Combination Wireless Chargers

Description	Color	Rating	Receptacle	Catalog Number
Combination wireless wall mount phone charger, inductive coil with USB Type A&C ports, and tamper-resistant receptacle.	White	Coil: 7.5 watt inductive, USB: 5A 5V DC Input: 125V AC	15A 125V 20A 125V	USB1528AC USB2028AC

USB-C Power Delivery Charger Tamper-Resistant Duplex Receptacles

15A 125V NEMA 5-15R UL/CSA

20A 125V NEMA 5-20R UL/CSA

Description	Color	15A 125V	20A 125V
Type-C USB Power Delivery Charger Receptacle, two Type-C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB Type-C convenience port with up to 1.5 Amp, 5 Volt USB output.	Black Brown Gray Ivory Light Almond White	USB15CPDBK USB15CPD USB15CPDGY USB15CPDI USB15CPDLA USB15CPDW	USB20CPDBK USB20CPD USB20CPDGY USB20CPDI USB20CPDLA USB20CPDW
Type A&C USB Power Delivery Charger Receptacle, one Type A and one Type-C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB-A convenience port with up to 1.5 Amp, 5 Volt USB output.	Black Brown Gray Ivory Light Almond White	USB15ACPDBK USB15ACPD USB15ACPDGY USB15ACPDI USB15ACPDLA USB15ACPDW	USB20ACPDBK USB20ACPD USB20ACPDGY USB20ACPDI USB20ACPDLA USB20ACPDW

Note: See page Tech-10 for Tamper-Resistant description. See Section N for Hospital Grade series.

4 Port USB Charger Outlets

Description	Color	2 Type A and 2 Type-C ports	4 Type-C ports
USB Charger Outlets, 4 USB ports, 5 Amp, 5 Volt DC, Style Line® decorator.	Black Brown Gray Ivory Light Almond White	USB4ACBK USB4AC USB4ACGY USB4ACI USB4ACLA USB4ACW	USB4CBK USB4C USB4CGY USB4CI USB4CLA USB4CW

USB Charging Receptacles

Description		Color	15A 125V	20A 125V
USB charger duplex receptacle, 3.1 amp USB output, USB ports rated 10,000 cycles.	Two Type A port configurations	Ivory Light Almond White	USB15AI USB15ALA USB15AW	USB20AI USB20ALA USB20AW
	One Type A and one Type-C port configuration	Ivory Light Almond White	USB15ACI USB15ACLA USB15ACW	USB20ACI USB20ACLA USB20ACW

Switch Combo Outlets

Description	Color	Catalog Number
Switch Combo Outlet, two USB type 2.0 ports, 2.1 Amp, 5 Volt DC, Style Line® decorator.	Black Brown Gray Ivory Light Almond White	USB102BK USB102 USB102GY USB102I USB102LA USB102W

Weather Resistant USB Charger Duplex Receptacles

Description	Color	15A 125V	20A 125V
Type A&C USB Charger Receptacle, One Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade.	Black Brown Gray Ivory Light Almond White	USB15AC5BKWR USB15AC5WR USB15AC5GYWR USB15AC5IWR USB15AC5LAWR USB15AC5WWR	USB20AC5BKWR USB20AC5WR USB20AC5GYWR USB20AC5IWR USB20AC5LAWR USB20AC5WWR

Note: Outdoor circuits should be GFCI protected per national and local electric codes.

NEC® is a registered trademark of the National Fire Protection Association (NFPA).


USB1518


USB1528AC

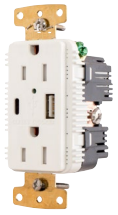

USB15CPDW


USB15ACPDW


USB15ACLA


USB102W


USB20ACPDW


USB15AC5WWR


USB4ACW

Dimensions in Inches (mm)

GFCI & AFCI Receptacles

Features

Safety plus more. Tamper-resistant and self-testing for the utmost in protection. GFCIs are people protection, eliminating power when there is an unintended path to ground. Required in most areas of the home where water may be present.

AFCIs help protect against fire, eliminating power when it senses an arc, occurring when there is a damaged wire or cord set inserted into the outlet. Easily added to most living areas and bedrooms in the home for added protection.

GFCI and AFCI receptacles are required by the NEC in specific rooms in the home. They are great for providing added safety and protection with point of use test and reset.

- GFCI devices feature patented AUTOGUARD® technology
- Thermoplastic nylon housing
- Clear visual indication of status
- Protection against line and load reversal



c UL us

GFCI Receptacles

Rating	Color	Standard	Tamper-Resistant	Nightlight Two LED Nightlights	Weather and Tamper-Resistant
15A 125V NEMA 5-15R	Ivory Light Almond White	**GF15I** **GF15LA** **GF15W**	**GFT15I** **GFT15LA** **GFT15W**	**GFTR15INL** **GFTR15LANL** **GFTR15WNL**	**GFTW15I** **GFTW15LA** **GFTW15W**
20A 125V NEMA 5-20R	Ivory Light Almond White	**GF20I** **GF20LA** **GF20W**	**GFT20I** **GFT20LA** **GFT20W**	**GFTR20INL** **GFTR20LANL** **GFTR20WNL**	**GFTW20I** **GFTW20LA** **GFTW20W**



GF15W



GFTR15WNL

Dual Function AFCI/GFCI Receptacles

Rating	Color	Standard	Rating	Color	Standard
15A 125V NEMA 5-15R	Ivory Light Almond White	**AFGF15TRI** **AFGF15TRLA** **AFGF15TRW**	20A 125V NEMA 5-20R	Ivory Light Almond White	**AFGF20TRI** **AFGF20TRLA** **AFGF20TRW**



AFGF15TRW



AFR20TRW

AFCI Receptacles

Rating	Color	Standard	Rating	Color	Standard
15A 125V NEMA 5-15R	Ivory Light Almond White	**AFR15TRI** **AFR15TRLA** **AFR15TRW**	20A 125V NEMA 5-20R	Ivory Light Almond White	**AFR20TRI** **AFR20TRLA** **AFR20TRW**

Dimensions in Inches (mm)

Features

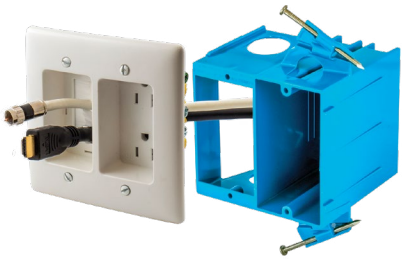
Hubbell has solutions for residential environments where wire management is a concern. Products sit flush against the wall and are available in multiple colors, creating an aesthetically pleasing look. Large connectors and cables are held securely and bundled together neatly. Wires are concealed behind the wall and out of view. Snap Fit options are used for customizing your connections.

Receptacles

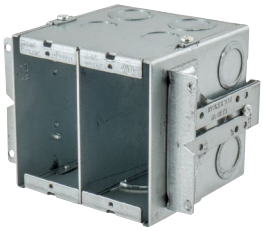
- Snap Fit is configurable to accommodate multiple connectors such as: HDMI, AV and Voice/Low-speed data
- Feed-through options allows you to make direct connections

Boxes

- Available in plastic or metal boxes to accommodate local building requirements



Recessed Receptacle with Feed-Through



Metal Wallbox with Divider



RR1510I



RR1512I



RR1514I



NSAV1I



NSAV2I

Recessed Receptacles

Color	15A 125V, Tamper-Resistant Duplex Receptacle		
	1-Gang	2-Gang with Feed-Through	2-Gang with Snap Fit
Ivory Light Almond White	**RR1510I** **RR1510LA** **RR1510W**	**RR1512I** **RR1512LA** **RR1512W**	**RR1514I** **RR1514LA** **RR1514W**

Feed-Through Plates

Color	1-Gang	2-Gang
Ivory White	**NSAV1I*** **NSAV1W***	**NSAV2I*** **NSAV2W***

*Note: *Not UL Listed.*



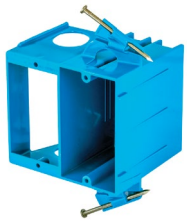
HBL985



HBL986



HBL989



RR1500

Two and Three Gangable AV Wallboxes

Box	Dimensions			Top Knockouts	Bottom Knockouts	Back Knockouts	Catalog Number
	Height	Width	Depth				
2-Gang, 2" KO, 54 in3 capacity	4.21" (107)	4.06" (103)	4.0" (102)	(2) 1/2" (2) 1/2" – 3/4" TKO*	(1) 1", 1-1/4", 1-1/2" and 2"	(2) 1/2" – 3/4" TKO	**HBL985**
3-Gang, 2" KO, 79 in3 capacity	4.21" (107)	5.87" (149)	4.0" (102)	(3) 1/2" (3) 1/2" – 3/4" TKO*	(1) 1/2", (1) 1/2" – 3/4" TKO* (1) 1", 1-1/4", 1-1/2" and 2"	(3) 1/2" – 3/4" TKO	**HBL986**

*Note: *TKO (Tangential Knockout).*

Wallbox

Description	Color	Catalog Number
2-Gang, nail-on box, thermoplastic.	Blue	**RR1500**

Low Voltage AV Wallbox Partitions

Compatible With	Description	Quantity	Catalog Number
HBL985 and HBL986	Solid divider.	1	**HBL989**
	With pass-through capability.	1	**HBL989AVD**

Dimensions in Inches (mm)

Decorator Frames and Modular Snap Fit Jacks

Decorator Frames









Color	1-Gang, 1-Port	1-Gang, 2-Port	1-Gang, 3-Port	1-Gang, 4-Port	1-Gang, 6-Port	1-Gang, Adapter .406" (10.30) Dia. Hole*	1-Gang, Adapter Blank**
Black	NS611BK	NS612BK	NS613BK	NS614BK	NS616BK	—	NS620BK
Gray	NS611GY	NS612GY	NS613GY	NS614GY	NS616GY	—	NS620GY
Ivory	NS611I	NS612I	NS613I	NS614I	NS616I	NS621I	NS620I
Light Almond	NS611LA	NS612LA	NS613LA	NS614LA	NS616LA	NS621LA	NS620LA
White	NS611W	NS612W	NS613W	NS614W	NS616W	NS621W	NS620W

*Note: *For use with rotary dimmers or to pull through AV or telephone cable. **To fill an extra decorator opening or to create customized openings.*

Molded-In Voice/Low-Speed Data - Modular Snap Fit





Color	Category 6 Jack		Category 5e Jack		USOC Jack
	Single	25 pack	Single	25 pack	Single
Black	NSJ6BK	NSJ6BK25	NSJ5EBK	NSJ5EBK25	NSJUBK
Blue	NSJ6B	NSJ6B25	NSJ5EB	NSJ5EB25	NSJUB
Gray	NSJ6GY	NSJ6GY25	NSJ5EGY	NSJ5EGY25	NSJUGY
Green	NSJ6GN	NSJ6GN25	NSJ5EGN	NSJ5EGN25	NSJUGN
Ivory	NSJ6I	NSJ6I25	NSJ5EI	NSJ5EI25	NSJUI
Light Almond	NSJ6LA	NSJ6LA25	NSJ5ELA	NSJ5ELA25	NSJULA
Orange	NSJ6OR	NSJ6OR25	NSJ5EOR	NSJ5EOR25	NSJUOR
Red	NSJ6R	NSJ6R25	NSJ5ER	NSJ5ER25	NSJUR
White	NSJ6W	NSJ6W25	NSJ5EW	NSJ5EW25	NSJUW
Yellow	NSJ6Y	NSJ6Y25	NSJ5EY	NSJ5EY25	NSJUY

HDMI 1.4 Connectors



Color	HDMI Keystone Feed-Through for IMB and ISFB Series
Black	SFHC14BK
White	SFHC14W

Audio/Video Connectors - Standard Bulkhead









Color	Nickel F-Type Coupler Bulkhead, Female to Female	Gold F-Type Coupler Bulkhead, Female to Female	RCA Gold Pass-Through, Female to Female, Red Interior	RCA Gold Pass-Through, Female to Female, White Interior	RCA Gold Pass-Through, Female to Female, Yellow Interior	RCA Gold Pass-Through, Female to Female, Blue Interior	RCA Gold Pass-Through, Female to Female, Green Interior
Black	NSF70BK	SFFGBK	SFRCRFFBK	SFRCWFFBK	SFRCYFFBK	SFRCBFFBK	SFRCGNFFBK
Gray	NSF70GY	SFFGGY	SFRCRFFGY	SFRCWFFGY	SFRCYFFGY	SFRCBFFGY	SFRCGNFFGY
Ivory	NSF70I	SFFGEI	SFRCRFFEI	SFRCWFFEI	SFRCYFFEI	SFRCBFFEI	SFRCGNFFEI
Light Almond	NSF70LA	SFFGLA	SFRCRFFLA	SFRCWFFLA	SFRCYFFLA	SFRCBFFLA	SFRCGNFFLA
White	NSF70W	SFFGW	SFRCRFFW	SFRCWFFW	SFRCYFFW	SFRCBFFW	SFRCGNFFW

Audio/Video Connectors - Recessed









Color	Gold F-Type Coupler Bulkhead, Female to Female	RCA Gold Pass-Through, Female to Female, Red Interior	RCA Gold Pass-Through, Female to Female, White Interior	RCA Gold Pass-Through, Female to Female, Yellow Interior	RCA Gold Pass-Through, Female to Female, Blue Interior	RCA Gold Pass-Through, Female to Female, Green Interior	Blank Insert
Black	SFGRFBK	SFRCRRBK	SFRCWRBK	SFRCYRBK	SFRCBRBK	SFRCGNRBK	SFSBBK10*
Gray	SFGRFGY	SFRCRRGY	SFRCWRGY	SFRCYRGY	SFRCBRGY	SFRCGNRGY	SFSBGY10*
Ivory	SFGRFEI	SFRCRREI	SFRCWREI	SFRCYREI	SFRCBREI	SFRCGNREI	SFSBEI10*
Light Almond	SFGRFLA	SFRCRRLA	SFRCWRLA	SFRCYRLA	SFRCBRLA	SFRCGNRLA	SFSBLA10*
White	SFGRFW	SFRCRRW	SFRCWRW	SFRCYRW	SFRCBRW	SFRCGNRW	SFSBW10*

*Note: *Sold in a package of 10. Order 1 to receive a bag of 10 blanks.*

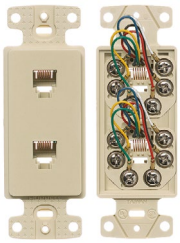
Dimensions in Inches (mm)

Features

Designed to complement decorator styling, these jacks offer voice and Cat. 5e devices to fit within a decorator wallplate.

- High impact-resistant thermoplastic frame
- Meets FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

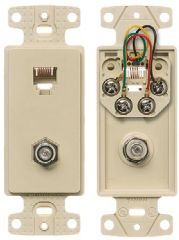
Description	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor.	Decorator Frame, One RJ11 Jack, 6-Position, 6-Conductor.	Decorator Frame, Duplex RJ11 Jacks, 6-Position, 6-Conductor.	Decorator Frame, One Cat. 5e One RJ11 Jack, 6-Position, 4-Conductor.
Termination	Screw Terminations	Screw Terminations	Screw Terminations	110 Punch-Down
Color				
Black	**NS770BK**	—	—	**NS784BK**
Brown	**NS770**	**NS771**	—	**NS784**
Gray	**NS770GY**	—	—	**NS784GY**
Ivory	**NS770I**	**NS771I**	**NS772I**	**NS784I**
Light Almond	**NS770LA**	**NS771LA**	**NS772LA**	**NS784LA**
White	**NS770W**	**NS771W**	**NS772W**	**NS784W**

Features

Coaxial video and combination jacks complement multimedia needs in a 1-gang decorator opening.

- High impact-resistant thermoplastic frame
- Jacks meet FCC part 68
- UL Listed 1863 - Communication Circuit Accessory and CSA Certified

Molded-In Voice/Low-Speed Data

Description	Decorator Frame, Single F-Type Coupler Bulkhead, Female to Female.	Decorator Frame, One RJ11 Jack, 6-Position, 4-Conductor, One F-Type Coupler Bulkhead, Female to Female.	Decorator Frame, One Cat. 5e One F-Type Coupler Bulkhead, Female to Female.
Termination	Screw Terminations	Screw Terminations	110 Punch-Down
Color			
Black	—	—	**NS785BK**
Brown	—	—	**NS785**
Gray	—	—	**NS785GY**
Ivory	**NS780I**	**NS783I**	**NS785I**
Light Almond	**NS780LA**	**NS783LA**	**NS785LA**
White	**NS780W**	**NS783W**	**NS785W**

Dimensions in Inches (mm)

More Style In a Snap

Snap-on wallplates offer a clean, elegant look that can be installed in seconds. Screw the mounting plate onto the device and press the snap-on cover into place. Snaps securely hold the cover to the sub-plate.

- Clean, elegant look
- No visible screws
- Snap-on cover plate completely covers sub-plate eliminating dirt build-up around the edges
- Snap-on cover plate hides any paint or scratches on sub-plate caused during installation
- Appearance is consistent with other Hubbell wallplates
- Meets UL and CSA standards



Snap-On Wallplates

Color	1-Gang, 1-Decorator	1-Gang, 1-Duplex	1-Gang, 1-Toggle	2-Gang, 2-Decorator	2-Gang, 2-Toggle	3-Gang, 3-Decorator	3-Gang, 3-Toggle	4-Gang, 4-Decorator
Ivory	NPS26I	NPS8I	NPS1I	NPS262I	NPS2I	NPS263I	NPS3I	NPS264I
Light Almond	NPS26LA	NPS8LA	NPS1LA	NPS262LA	NPS2LA	NPS263LA	NPS3LA	NPS264LA
White	NPS26W	NPS8W	NPS1W	NPS262W	NPS2W	NPS263W	NPS3W	NPS264W

Decorator, Screw-On, Standard, Nylon Wallplates

Color	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Black	NP26BK	NP262BK	NP263BK	NP264BK	NP265BK	NP266BK
Brown	NP26	NP262	NP263	NP264	NP265	NP266
Gray	NP26GY	NP262GY	NP263GY	NP264GY	NP265GY	NP266GY
Ivory	NP26I	NP262I	NP263I	NP264I	NP265I	NP266I
Light Almond	NP26LA	NP262LA	NP263LA	NP264LA	NP265LA	NP266LA
White	NP26W	NP262W	NP263W	NP264W	NP265W	NP266W

Decorator, Screw-On, Mid-Size, Nylon Wallplates

Color	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Black	NPJ26BK	NPJ262BK	NPJ263BK	NPJ264BK	—	—
Brown	NPJ26	NPJ262	NPJ263	NPJ264	—	—
Gray	NPJ26GY	NPJ262GY	NPJ263GY	NPJ264GY	—	—
Ivory	NPJ26I	NPJ262I	NPJ263I	NPJ264I	—	—
Light Almond	NPJ26LA	NPJ262LA	NPJ263LA	NPJ264LA	—	—
White	NPJ26W	NPJ262W	NPJ263W	NPJ264W	—	—

Decorator, Screw-On, Mid-Size, Metal Wallplates

Material	1-Gang, 1-Decorator	2-Gang, 2-Decorator	3-Gang, 3-Decorator	4-Gang, 4-Decorator	5-Gang, 5-Decorator	6-Gang, 6-Decorator
Brass	SB26	SB262	—	—	—	—
Brass Plated	SBP26	SBP262	SBP263	—	—	—
Chrome	SCH26	SCH262	—	—	—	—
S/S 302/304	SS26	SS262	SS263	SS264	SS265	SS266
S/S 430	SS26L	SS262L	—	—	—	—

Note: See section P for complete selection of wallplates.

Dimensions in Inches (mm)

Combination, Nylon, Standard Wallplates

Color	2-Gang, 1-Toggle, 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Box Mount, 1-Decorator	3-Gang, 2-Toggle, 1-Decorator	3-Gang, 1-Toggle, 2-Decorator	4-Gang, 3-Toggle, 1-Decorator	4-Gang, 2-Toggle, 2-Decorator
Black	NP126BK	NP826BK	NP1326BK	NP226BK	NP1262BK	NP326BK	NP2262BK
Brown	NP126	NP826	NP1326	NP226	NP1262	NP326	NP2262
Gray	NP126GY	NP826GY	NP1326GY	NP226GY	NP1262GY	NP326GY	NP2262GY
Ivory	NP126I	NP826I	NP1326I	NP226I	NP1262I	NP326I	NP2262I
Light Almond	NP126LA	NP826LA	NP1326LA	NP226LA	NP1262LA	NP326LA	NP2262LA
White	NP126W	NP826W	NP1326W	NP226W	NP1262W	NP326W	NP2262W

Combination, Nylon, Mid-Size Wallplates

Color	2-Gang, 1-Toggle, 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Box Mount, 1-Decorator	3-Gang, 2-Toggle, 1-Decorator	3-Gang, 1-Toggle, 2-Decorator	4-Gang, 3-Toggle, 1-Decorator	4-Gang, 2-Toggle, 2-Decorator
Black	NPJ126BK	NPJ826BK	—	NPJ226BK	—	—	—
Brown	NPJ126	NPJ826	NPJ1326	NPJ226	—	—	—
Gray	NPJ126GY	NPJ826GY	—	NPJ226GY	—	—	—
Ivory	NPJ126I	NPJ826I	NPJ1326I	NPJ226I	—	—	—
Light Almond	NPJ126LA	NPJ826LA	NPJ1326LA	NPJ226LA	—	—	—
White	NPJ126W	NPJ826W	NPJ1326W	NPJ226W	—	—	—

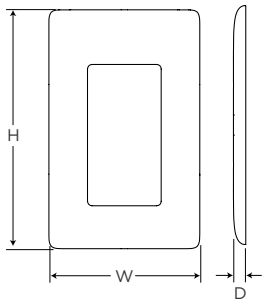
Combination, Standard, Metal Wallplates

Material	2-Gang, 1-Toggle, 1-Decorator	2-Gang, 1-Duplex, 1-Decorator	2-Gang, 1-Blank Strap Mount, 1-Decorator	3-Gang, 2-Toggle, 1-Decorator	3-Gang, 1-Toggle, 2-Decorator	4-Gang, 3-Toggle, 1-Decorator	4-Gang, 2-Toggle, 2-Decorator
Brass	SB126	SB826	—	—	—	—	—
Brass Plated	SBP126	—	—	—	—	—	—
Chrome	—	—	—	—	—	—	—
SS 302/304	SS126	SS826	SS1426	SS226	—	SS326	—
SS 430	SS126L	—	—	—	—	—	—

Note: See section P for complete selection of wallplates.

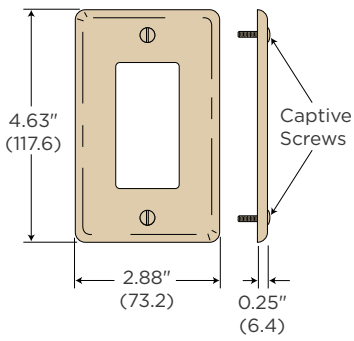
Dimensions

Snap-On Wallplate

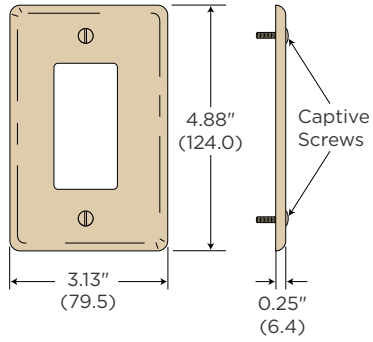


Gang	Height (H)	Width (W)	Depth (D)
1	4.75″ (120.6)	3.00″ (76.2)	.25″ (6.2)
2	4.75″ (120.6)	4.81″ (122.2)	.25″ (6.2)
3	4.75″ (120.6)	6.62″ (168.2)	.25″ (6.2)
4	4.75″ (120.6)	8.44″ (214.3)	.25″ (6.2)

Standard Size Nylon



Mid-Size Nylon



Dimensions in Inches (mm)

Features

Standard toggle switches provide the basic ON/OFF control for home lighting and appliances.

- Tough thermoplastic with ultrasonically welded cover and base
- Elongated strap for easier wall box mounting
- Quiet snap action mechanism
- Multiple-drive Slot/Phillips/Robertson head screws
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified



RS115W

Single Pole Toggle Switches

Description	Single Pole.	Single Pole, Illuminated.
Termination	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire
Rating	15A 120V AC	15A 120V AC
Color		
Clear	—	**RS115ILC**
Black	**RS115BK**	—
Brown	**RS115**	—
Ivory	**RS115I**	**RS115ILI***
Light Almond	**RS115LA**	**RS115ILLA***
White	**RS115W**	**RS115ILW***

*Note: *Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.*

Three and Four Way Toggle Switches

Description	Three Way.	Three Way, Illuminated.	Four Way.
Termination	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V AC	15A 120V AC
Color			
Clear	—	**RS315ILC**	—
Black	**RS315BK**	—	—
Brown	**RS315**	—	**RS415**
Ivory	**RS315I**	**RS315ILI***	**RS415I**
Light Almond	**RS315LA**	**RS315ILLA***	**RS415LA**
White	**RS315W**	**RS315ILW***	**RS415W**

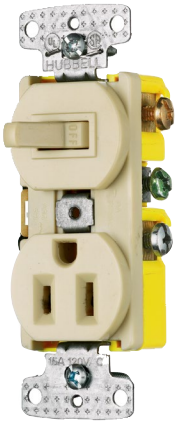
*Note: *Frame is clear and illuminates, toggle is colored. Does not require a neutral wire.*

Dimensions in Inches (mm)

Features

Mini-toggles provide for multiple switches in a compact single gang. Maximize control while maintaining function and appearance.

- Low profile, less than 1 inch
- Self-grounding feature is standard
- Combination devices provide compact switches in a single-gang opening
- Smooth toggle action
- Multiple-drive Slot/Phillips/Robertson head screws
- Hi-visibility yellow base for easy installation
- Operating temperature: -20°C to 60°C
- UL Listed, CSA Certified



RC108I

Combination Toggle Switches/Devices

Description	Two (2) Single Pole Switches.	Single Pole Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle. TR	Single Pole Switch, 2 Pole, 3 Wire, Receptacle.	Single Pole Switch, Pilot Light, Clear Lens, Amber Neon Bulb*.
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V AC
Color				
Brown Ivory Light Almond White	**RC101** **RC101I** **RC101LA** **RC101W**	**RC108TR** **RC108ITR** **RC108LATR** **RC108WTR**	**RC108** **RC108I** **RC108LA** **RC108W**	**RC109** **RC109I** **RC109LA** **RC109W**

*Note: See page Tech-10 for Tamper-Resistant description. *Neutral required for pilot light, see page BB-4 for wiring diagram.*

Combination Toggle Switches/Devices

Description	Single Pole and Three Way Switch.	Two (2) Three Way Switches.	Three Way Switch, Tamper-Resistant, 2 Pole, 3 Wire, Receptacle. TR	Three Way Switch, 2 Pole, 3 Wire, Receptacle.	Three Way Switch, Pilot Light, Clear Lens, Amber Neon Bulb*.
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 120V AC	15A 120V AC	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V (switch) 15A 125V (recept.) NEMA 5-15R	15A 120V AC
Color					
Brown Ivory Light Almond White	**RC103** **RC103I** **RC103LA** **RC103W**	**RC303** **RC303I** **RC303LA** **RC303W**	**RC308TR** **RC308ITR** **RC308LATR** **RC308WTR**	**RC308** **RC308I** — **RC308W**	**RC309** **RC309I** — **RC309W**

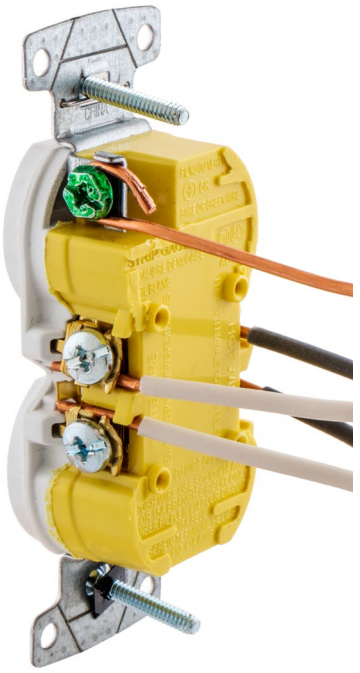
*Note: See page Tech-10 for Tamper-Resistant description. *Neutral required for pilot light, see page BB-4 for wiring diagram.*

Dimensions in Inches (mm)

XClamp and Duplex Receptacles

Features

- Eliminates the need to loop the wire
- External back-wire clamp for fast and easy installation of 15A & 20A branch circuits in residential applications
- Compression plates maximize holding power to provide a stronger, more secure connection
- Terminate up to 8 wires
- Accomodates #12 & #14 AWG wire
- Break-off tabs for switched receptacle applications
- Tamper-resistant shutter complies with NEC®



XCLAMP
External Clamping

1 **Strip the wire**

2 **Insert the wire**

3 **Clamp the connection**

Best Solution for Residential 15A & 20A Branch Circuit Wiring

Fast and Secure

XClamp Duplex Receptacles

Description	Color	Catalog Number
Tamper-Resistant, 15A 125V, 2 Pole, 3 Wire Grounding, 20A Circuit Rated.	Ivory Light Almond White	**RR15SITRX** **RR15SLATRX** **RR15SWTRX**

Listings
UL Listed to UL498 File No. E2186 Certified to CSA C22.2, No. 42 NEMA® WD-6 Compliant



RR15SWTRX

Duplex Receptacles, 2 Pole, 3 Wire

Description	TR Tamper-Resistant, Quick Thread.	Standard.	WR TR Weather and Tamper-Resistant.	TR Tamper-Resistant.
Termination	Self-Grounding, Push and Side Wire	Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire	Self-Grounding, Push and Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R
Black	—	**RR15BK**	**RR15SBKWRTR**	**RR15SBKTR**
Brown	—	**RR15**	**RR15SWRTR**	**RR15STR**
Gray	—	—	**RR15SGYWRTR**	—
Ivory	**RR15QITR**	**RR15I**	**RR15SIWRTR**	**RR15SITR**
Light Almond	**RR15QLATR**	**RR15LA**	**RR15SLAWRTR**	**RR15SLATR**
White	**RR15QWTR**	**RR15W**	**RR15SWWRTR**	**RR15SWTR**

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.



RR15W



RR15QWTR

Dimensions in Inches (mm)

Single Receptacles, 2 Pole, 3 Wire

Description	Weather and Tamper-Resistant.	Tamper-Resistant.	Standard.	Weather Resistant.	Standard.
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 125V NEMA 5-15R	15A 250V NEMA 6-15R	15A 250V NEMA 6-15R
Black	**RR151BKWRTR**	**RR151BKTR**	**RR151BK**	**RR155BKWR**	**RR155BK**
Brown	**RR151WRTR**	**RR151TR**	**RR151**	**RR155WR**	**RR155**
Gray	**RR151GYWRTR**	**RR151GYTR**	**RR151GY**	**RR155GYWR**	**RR155GY**
Ivory	**RR151IWRTR**	**RR151ITR**	**RR151I**	**RR155IWR**	**RR155I**
Light Almond	**RR151LAWRTR**	**RR151LATR**	**RR151LA**	**RR155LAWR**	**RR155LA**
White	**RR151WWRTR**	**RR151WTR**	**RR151W**	**RR155WWR**	**RR155W**


RR151W

Description	Weather and Tamper-Resistant.	Tamper-Resistant.	Standard.	Weather Resistant.	Standard.
Termination	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire	Self-Grounding, Side Wire
Rating	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R	20A 125V NEMA 5-20R	20A 250V NEMA 6-20R	20A 250V NEMA 6-20R
Black	**RR201BKWRTR**	**RR201BKTR**	**RR201BK**	**RR205BKWR**	**RR205BK**
Brown	**RR201WRTR**	**RR201TR**	**RR201**	**RR205WR**	**RR205**
Gray	**RR201GYWRTR**	**RR201GYTR**	**RR201GY**	**RR205GYWR**	**RR205GY**
Ivory	**RR201IWRTR**	**RR201ITR**	**RR201I**	**RR205IWR**	**RR205I**
Light Almond	**RR201LAWRTR**	**RR201LATR**	**RR201LA**	**RR205LAWR**	**RR205LA**
White	**RR201WWRTR**	**RR201WTR**	**RR201W**	**RR205WWR**	**RR205W**


RR201W

Note: See page Tech-10 for Weather and Tamper-Resistant descriptions.

Range and Dryer Power Receptacles

Description	30A 125/250V NEMA 14-30R UL/CSA Flush Mount for 1- or 2-Gang Box.	50A 125/250V NEMA 14-50R UL/CSA Flush Mount for 1- or 2-Gang Box.	30A 125/250V NEMA 10-30R UL/CSA Flush Mount for 1- or 2-Gang Box.	50A 125/250V NEMA 10-50R UL/CSA Flush Mount for 1- or 2-Gang Box.
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	30A 125/250V 3 Pole, 3 Wire without Ground	50A 125/250V 3 Pole, 3 Wire without Ground
Black	**RR430F**	**RR450F**	**RR330F***	**RR350F***
White	**RR430FW**	**RR450FW**	—	—
White w/ plate	**RR430WIPCN**	—	—	—
Description	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	30A 125/250V 3 Pole, 3 Wire without Ground	50A 125/250V 3 Pole, 3 Wire without Ground
Black	**RR430**	**RR450**	**RR330***	**RR350***
Description	Panel Mount	Panel Mount	Panel Mount	Panel Mount
Rating	30A 125/250V 3 Pole, 4 Wire with Ground	50A 125/250V 3 Pole, 4 Wire with Ground	—	—
Black	**RR430PM**	**RR450PM**	—	—


RR430FW


RR450


RR430PM

*Note: *For replacement use only.*

Range and Dryer Power Angled Plugs

Description	30A 125/250V NEMA 14-30R UL/CSA; 50A 125/250V NEMA 14-50R UL/CSA With Interchangeable Blades for 30 or 50 Amp.	30A 125/250V NEMA 10-30R UL/CSA; 50A 125/250V NEMA 10-50R UL/CSA With Interchangeable Blades for 30 or 50 Amp.
Rating	30/50A 125/250V 3 Pole, 4 Wire with Ground	30/50A 125/250V 3 Pole, 3 Wire without Ground
Black	**RR435P**	**RR335P**


RR435P

Dimensions in Inches (mm)

Weather Resistant Recessed Receptacle with While-In Use Cover

Description	Housing Color	Horizontal Mount	Vertical Mount
Weather and tamper-resistant duplex receptacle with clear while-in-use cover, 15A 125V.	Gray	RW15300GY	RW15400GY
	White	RW15300W	RW15400W
	Brown	RW15300BR	RW15400BR



RW15400GY

Special Use Products

Description	Color	Tamper-Resistant 15A 125V NEMA 5-15R UL/CSA	Tamper-Resistant 20A 125V NEMA 5-20R UL/CSA
Clock Hanger/Recessed Single Receptacle, Tamper-Resistant, 2 pole, 3 wire, grounding, side wire terminations.	Brass Stainless Steel Ivory (Nylon) White (Nylon)	RR151CHBSTR RR151CHSSTR RR151CHITR RR151CHWTR	RR201CHBSTR RR201CHSSTR RR201CHITR RR201CHWTR
Recessed Duplex Receptacle, Tamper-Resistant, 2 pole, 3 wire, grounding, side wire terminations.	Ivory Light Almond White	RR1510I RR1510LA RR1510W	— — —
JLOAD® Multimedia Outlet, Provides power, Cat. 5e and coaxial in a single gang box. Requires RJ600 Box. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	RJ650BKTR RJ650GYTR RJ650ITR RJ650LATR RJ650WTR	RJ620BKTR RJ620GYTR RJ620ITR RJ620LATR RJ620WTR
JLOAD Multimedia Outlet, Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	RJ65BKTR RJ65GYTR RJ65ITR RJ65LATR RJ65WTR	RJ62BKTR RJ62GYTR RJ62ITR RJ62LATR RJ62WTR
JLOAD Multimedia Box, 3 inches deep with seven 1/2-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud.	Steel	RJ600	RJ600

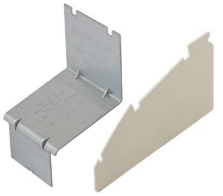
*Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes.*
See page BB-10 for snap fit inserts.
See pages BB-25 to BB-30 for floor boxes and under cabinet power distribution options.
See page Tech-10 for Tamper-Resistant description.



RR151CHWTR



RR1510W RJ650BKTR



Dividers



RJ600

In-Line Cord Switches

Description	Mini for use with flat lamp cord.	Heavy duty.
Rating	6A 125V AC	6A 125V AC, 1/6 HP
Wire	#18 AWG SPT 1 and SPT 2	#18 to #16 AWG SPT 1 and SPT 2
Ivory	—	RS101I
White	RS100W	RS101W



RS100W



RS101W

Dimensions in Inches (mm)

Features

Standard rocker, toggle, slide and rotary styles for any interior design.

- Optimum CFL and LED control
- Low end adjustment for fine tuning
- For single-pole and 3-way applications
- Decorator and traditional toggle styling available
- Ivory, light almond, and white available for all SKUs
- No neutral required
- 0-10V low voltage loads supported with decorator and rocker styles



LCD300DW



LCD150SW

LED/CFL Dimmers

Description	Color	Rocker Dimmer	Slide Dimmer	Toggle Dimmer
LED/CFL 200W, Incandescent/ Halogen 600W, 120V AC, 60Hz, single pole/three way.	Ivory Light Almond White	**LCD150DI** **LCD150DLA** **LCD150DW**	**LCD150SI** **LCD150SLA** **LCD150SW**	— — —
LED/CFL 150W, Incandescent/ Halogen 600W, 120V AC, 60Hz, single pole/three way.	Ivory Light Almond White	— — —	— — —	**LCD150TI** **LCD150TLA** **LCD150TW**
LED/CFL 300W, Incandescent/Halogen 600W, 120V AC, 60Hz, single pole/three way, with indicator light.	Ivory Light Almond White	**LCD300DI** **LCD300DLA** **LCD300DW**	— — —	— — —



LCD150TW

Low Voltage Dimmers

Description	Color	Rocker Dimmer	Slide Dimmer
01-10V Low Voltage Loads, 10 A @120V AC, 5 A @277V AC, 60Hz, single pole/three way.	Ivory Light Almond White	**LCD0108DI** **LCD0108DLA** **LCD0108DW**	**LCD0108SI** **LCD0108SLA** **LCD0108SW**



LCD0108SW

Fan Speed Controls, 3 Speed

Description	Toggle.	Rotary ON/OFF Knobs Provided.
Termination	Single Pole/Three Way	Single Pole
Rating	1.5A 120V AC	1.5A 120V AC
Ivory	**RAYFSQFI**	—
Light Almond	**RAYFSQFLA**	—
White	**RAYFSQFW**	—
Ivory/White	—	**RFSQ2FDK**

Replacement Knobs

Rotary Fan Control Replacement Knobs.
—
—
R28032406
—
R28032401
—



R28032401



R28032406



RFSQ2FDK

Fan Speed Controls, 3 Speed

Description	Rocker Slide Adjustment.	Slide Control Slide to OFF.
Termination	Single Pole/Three Way	Single Pole
Rating	1.5A 120V AC	1.5A 120V AC
Ivory	**RDVFSQFI**	**RSFSQFI**
Light Almond	**RDVFSQFLA**	**RSFSQFLA**
White	**RDVFSQFW**	**RSFSQFW**

Replacement Knobs

Slide Control Replacement Knobs.
—
—
RSKI
RSKLA
RSKW



RSKW



RSKI



RSFSQFW

Dimensions in Inches (mm)

Passive Infrared Wall Switches

- Passive infrared technology
- Photocell (WS2000 series)
- No neutral required
- 1200 sq. ft. coverage
- Steel mounting strap
- Compatible with most LED and CFL
- CEC Title 24 and Ashrae 90.1 compliant
- cULus

Description	Color	Standard	with Nightlight	with Neutral	with Nightlight and Neutral
Manual adjusting; selectable manual/auto ON operation; dual-voltage 120/277V AC; multi-way capable.	Gray Ivory Light Almond White	**WS2000GY** **WS2000I** **WS2000LA** **WS2000W**	**WS2000NGY** **WS2000NI** **WS2000NLA** **WS2000NW**	— **WS2004I** — **WS2004W**	— **WS2004NI** — **WS2004NW**
Manual adjusting; selectable manual/auto ON operation; 120V AC only.	Ivory Light Almond White	**WS1000I** **WS1000LA** **WS1000W**	**WS1000NI** **WS1000NLA** **WS1000NW**	— — —	— — —
Manual adjusting; manual ON operation; 120V AC only.	Ivory Light Almond White	**WS1001I** **WS1001LA** **WS1001W**	**WS1001NI** **WS1001NLA** **WS1001NW**	— — —	— — —
Manual adjusting; auto ON operation; dual circuit; 120V AC only.	Gray Ivory Light Almond White	**WS1020GY** **WS1020I** **WS1020LA** **WS1020W**	**WS1020NGY** **WS1020NI** **WS1020NLA** **WS1020NW**	— **WS1024I** **WS1024LA** **WS1024W**	— **WS1024NI** **WS1024NLA** **WS1024NW**
Manual adjusting; manual ON operation; dual circuit; 120V AC only.	Gray Ivory Light Almond White	**WS1021GY** **WS1021I** **WS1021LA** **WS1021W**	**WS1021NGY** **WS1021NI** **WS1021NLA** **WS1021NW**	— **WS1025I** **WS1025LA** **WS1025W**	— **WS1025NI** **WS1025NLA** **WS1025NW**

Note: See below for coverage patterns.



WS2000W



WS1000NW



WS1020W

Count Down Timer Wall Switch

Description	Color	30 Minutes: OFF, 5, 10, 20, 30	60 Minutes: OFF, 15, 30, 45, 60	12 Hours: OFF, 2, 4, 8, 12
1000W @ 120V AC and 1400W @ 277V AC.	Ivory Light Almond White	**DT5030I** **DT5030LA** **DT5030W**	**DT5060I** **DT5060LA** **DT5060W**	**DT5012I** **DT5012LA** **DT5012W**

Note: Neutral required.

Digital Timer Wall Switch

Description	Color	120V AC	277V AC	Catalog Number
Dip switch enabled preset intervals. User adjustable 1 min up to 4 hours, 3-way capable. Includes an ON/OFF momentary push button switch feature.	White	960W	1200W	**DT2000W**

Note: Neutral required.



DT5030W

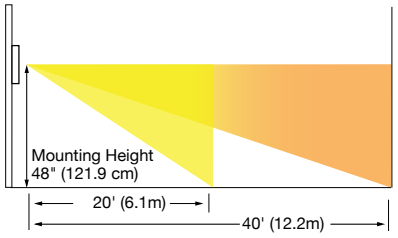


DT2000W

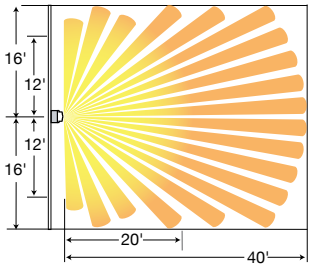
Wall Switches Coverage Patterns

Minor Motion: PIR **Major Motion:** PIR

Vertical Coverage



Horizontal Coverage



WS1000, WS2000 Series

Dimensions in Inches (mm)

Features

Lampholders provide lighting in unfinished areas, such as attics and basements.

Porcelain White Lampholders





Catalog Number	RL8804	RL8806	RL8812	RL8816	RL8822
Description	Keyless, 4 Terminal Screws.	Keyless, 6 inch Pigtails.	Pull Chain, 2 Terminal Screws.	Pull Chain, 6 inch Pigtails.	Pull Chain with Receptacle, 2 Terminal Screws.
Rating	660W 250V	660W 250V	660W 250V	660W 250V	660W 125V 15A 125V NEMA 5-15R

Plastic White Lampholders




Catalog Number	RL8504	RL8506	RL8512	RL8516
Description	Keyless, 4 Terminal Screws.	Keyless, 6 inch Pigtails.	Pull Chain, 2 Terminal Screws.	Pull Chain, 6 inch Pigtails.
Rating	660W 600V	660W 600V	660W 250V	660W 250V

Incandescent Brass Lampholders, Medium Base







Catalog Number	RL101*	RL102*	RL105*	RL100**	RL106*
Description	Turn Knob, On/Off.	Turn Knob, Three Way.	Push Through, On/Off.	Keyless.	Pull Chain, On/Off.
Rating	250W 250V	250W 250V	660W 250V	660W 250V	660W 250V

*Note: *UL or cUL. **UL or CSA.*

Dimensions in Inches (mm)

Compact Flourescent Lampholders

						
Catalog Number	**RL479HSM**	**RL413HSI**	**RL413HSM**	**RL426G24**	**RL42G11HSM**	**RL42G11H9**
Description	G23 base.	GX23 base.	GX23 base.	G24Q-3, GX24Q-4.	2G11 base, 4 pin.	2G11 base, 4 pin.
Lamp Type	5W, 7W, 9W	13W	13W	26-32W	18-55W	18-55W
Rating	75W, 600V	75W, 600V	75W, 600V	75W, 600V	75W, 600V	75W, 600V
Mounting	Horizontal, screw-down	Horizontal, snap-in	Horizontal, screw-down	Horizontal, screw-down	Horizontal, screw-down	Vertical 90°, snap-in

RL42G11C	
	Clip for 2G11 Base Lampholders, Adjustable, Snap-in.

High Output Fluorescent Lampholders

						
Catalog Number	**RL305***	**RL306***	**RL307**	**RL308**	**RL356**	**RL357**
Description	Plunger.	Fixed.	Plunger.	Fixed.	Plunger.	Fixed.
Lamp Type	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Horizontal - Recessed double contact	Vertical - Power groove & jacketed lamps	Vertical - Power groove & jacketed lamps
Rating	660W, 600V	660W, 600V	660W, 600V	660W, 600V	660W, 600V	660W, 600V
Mounting	Pedestal, slide-on	Pedestal, slide-on	Slide-on, snap-in	Slide-on, snap-in	Slide-on, snap-in	Slide-on, snap-in

*Note: *UL or cUL.*

Medium Bi-Pin Fluorescent Lampholders - T8 and T12

			
Catalog Number	**RL320**	**RL325**	**RL325B**
Description	Disconnect 4 wire.	Disconnect 4 wire.	Shunted 2 wire.
Lamp Type	Bi-pin/tall profile	Bi-pin/low profile	Bi-pin/low profile
Rating	660W, 600V	660W, 600V	660W, 600V
Mounting	Slide-on and snap-in with captive nut	Slide-on and snap-in with captive nut	Slide-on and snap-in

Slimline Type Fluorescent Lampholder

	
RL310*	**RL311***
Plunger.	Fixed.
Single pin	Single pin
660W, 600V	660W, 600V
Slide-on and snap-in	Slide-on and snap-in

*Note: *UL or cUL.*

Dimensions in Inches (mm)

HID Incandescent Lampholders, Porcelain Keyless





Catalog Number	**RL4221***	**RL5221**	**RL3742**
Description	Mogul base.	Mogul base.	Medium base prefocus.
Lamp Type	E39 socket	EX39 socket	Bayonet socket
Rating	1500W, 600V Max, 4KV or 5KV PULSE	1500W, 600V Max, 5KV PULSE	1200W, 250V
Mounting	Screw mount, 12 inch leads	Screw mount, 12 inch leads	Screw mount

*Note: *UL Listed, CSA Certified.*

Straight Body Keyless Porcelain






Catalog Number	**RL162**	**RL156**	**RL157**	**RL160**	**RL158**	**RL159**
Description	Medium base.	Medium base.	Medium base.	Medium base.	Medium base, low profile.	Medium base, shallow base.
Lamp Type	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket
Rating	660W, 250V	660W, 250V	660W, 250V	660W, 250V	660W, 250V	660W, 250V
Mounting	Screw mount, screw terminals	Screw mount, 12 inch leads	NPSF1/8 hickey with terminals	NPSF1/8 hickey with 12 inch leads	Front mount, panel mount snap-in	Front mount, panel mount snap-in

Surface and Sign Mount, Medium Base







Catalog Number	**RL152**	**RL153**	**RL161**	**RL163**	**RL164**
Description	Medium base, Porcelain, Pony Cleat.	Medium Base, Plastic, Black, Pony Cleat.	Medium base, Porcelain.	Medium base, Porcelain.	Medium base, Porcelain.
Lamp Type	E26 socket	E26 socket	E26 socket	E26 socket	E26 socket
Rating	660W, 600V	660W, 250V	660W, 250V	660W, 250V	660W, 250V
Mounting	1 piece, surface mount	1 piece, surface mount	2 piece, surface mount	2 piece, sign mount with leads	2 piece, sign mount with terminals

Dimensions in Inches (mm)

Incandescent Lampholders, Medium Base

			
Catalog Number	**RL124***	**RL124H**	**RL202**
Description	Pigtail Medium Base Socket with 6 inch Leads, Rubber with #18 Gauge Wire.	Phenolic Medium Base Socket with Hook, Insulation Piercing Termination.	Medium Lampholder to Lampholder Adapter, Pull Chain with Two 2-Prong Outlets without Ground.
Rating	660W 250V	660W 250V	660W 125V 15A 125V

*Note: *cCSAus Certified only.*

Incandescent Adapters, Medium Base

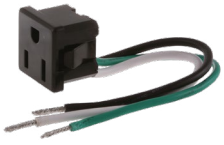
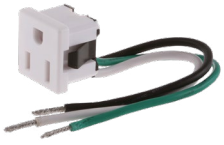
				
Catalog Number	**RL150**	**RL154**	**RL200**	**RL201**
Description	Medium to medium base extension, Screw-in, E26 to E26 socket.	Mogul to medium base adapter, Screw-in E39 to E26 socket.	Outlet Adapter, 2 Prong Plug to Medium Lampholder.	Medium Lampholder Adapter, Medium Lampholder to Outlet without Ground.
Rating	250W, 250V	660W, 250V	15A 660W 125V 15A 125V NEMA 1-15R	15A 125V NEMA 1-15R

Lamp Switches

				
Catalog Number	**RL120**	**RL121**	**RL122**	**RL125**
Description	Pull chain switch, 2 circuit, L1/L2/L1+L2/off.	Pull chain switch, SPST on/off.	Pull chain switch, L1/L2/L3/off.	Rotary switch, SPST on/off.
Rating	6A 125V AC, 3A 250V AC, 3A 125V "L"	6A 125V AC, 3A 250V AC, 3A 125V "L"	6A 125V AC, 3A 250V AC	6A 125V AC, 3A 250V AC, 3A 125V "L"

Note: 6 inch wire leads are #18 AWG AWM/TEW 105°C 600V.

Snap-in Receptacles

		
Catalog Number	**RR374**	**RR374W**
Description	Single receptacle, Black.	Single receptacle, White.
Rating	15A 125V, 3 wire NEMA 5-15R	15A 125V, 3 wire NEMA 5-15R

- Accommodate panel thickness of .031 to .062 inch (0.7 to 1.5 mm)
- Panel cutout .95 x .95 inch (24.1 x 24.1 mm)
- #14 AWG 6 inch AWM/TEW FT1 105°C 600V on black and white leads
- #14 AWG 6 inch AWM/TEW FT1 600V on green lead

Dimensions in Inches (mm)

Residential Round Non-Metallic Floor Box offers an economical solution for electrical power or a combination of power and voice/data applications. Designed specifically for slab-on-grade installation. Quick and easy installation is assured using a push in place leveling system. UL Listed.



RF406BK
with RF400

Features

After the box has been secured in concrete, cut for height, apply PVC glue and push the cover assembly into the box. No fasteners or adjustment screws required.

- 4 inch minimum concrete pour
- Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed
- Self height and leveling ring, no adjustments
- Pre-assembled flange, cover and leveling ring for quick installation
- Parallel PVC hubs for 1 inch and 3/4 inch conduit
- Recessed GFCI/decorator opening
- Tamper-Resistant duplex receptacle included
- UL Listed floor box

Floor Boxes for Concrete Floors

Description	Rating	Material/Color	Catalog Number
Flange and Hinged Door Cover Assembly. Includes tamper-resistant duplex receptacle, gasket, floor leveling PVC ring, high impact and chemically resistant nylon. Factory pre-assembled for easy drop-in installation.	15A 125V NEMA 5-15R	Brushed Aluminum Brushed Brass Plated Solid Brass Almond Black Chestnut Brown Gray	**RF406ALU** **RF406BP** **RF406BR** **RF406AL** **RF406BK** **RF406BN** **RF406GY**
Flush fit cover for hardwood and tile floors (similar to above).		Solid Brass	**RF409BR**
PVC Floor Box with Concrete Protective Cover. Accepts 3/4 in. and 1.0 in. schedule 40 and schedule 80 PVC conduit. Includes round box (47/8 in. diameter x 6.0 in. deep), four reducers, closure plugs, and concrete cover with locator flag.		Gray	**RF400**
Hinged Nylon Replacement Door Cover. Includes neoprene gasket to seal plug openings. Replacement cover for RF406 series.		Solid Brass Almond Black	**RF407BR** **RF407AL** **RF407BK**
Low Voltage Divider. For use in PVC box RF400, when JLOAD Multimedia Outlet is used.		Gray	**RF408**



RF406ALU



RF409BR



RF408

Adjustable Non-Metallic Concrete Floor Box Stand

Description	Color	Catalog Number
PVC floor box stand, adjusts up to 4 inches.	Gray	**PFBSTANDGY**



PFBSTANDGY

JLOAD® Multimedia Outlet - See page BB-31 for Features



15A 125V
NEMA 5-15R
UL/CSA



20A 125V
NEMA 5-20R
UL/CSA

Description	Color	Tamper-Resistant	Tamper-Resistant
JLOAD Multimedia Outlet. Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires Low Voltage Divider RF408 when used in PVC Box RF400. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	**RJ650BKTR** **RJ650GYTR** **RJ650ITR** **RJ650LATR** **RJ650WTR**	**RJ620BKTR** **RJ620GYTR** **RJ620ITR** **RJ620LATR** **RJ620WTR**
JLOAD Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	**RJ65BKTR** **RJ65GYTR** **RJ65ITR** **RJ65LATR** **RJ65WTR**	**RJ62BKTR** **RJ62GYTR** **RJ62ITR** **RJ62LATR** **RJ62WTR**



RJ650BKTR

*Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes. See page BB-10 for snap fit inserts. See pages BB-25 to BB-30 for floor boxes and under cabinet power distribution options. See page Tech-10 for Tamper-Resistant description.*

Dimensions in Inches (mm)

Floor Boxes for Wood Floors

Hubbell Wood Floor Boxes allow for the placement of electrical power or a combination of power and voice/data devices. Specifically designed for use with structural wood floors. The boxes are height adjustable (up to 3/4 inch) for optimal alignment and fit.

Features

- Available surface mount or flush fit
- Pre-assembled flange and cover for fast installation
- Removable neoprene gaskets allow for independent use of either side of the receptacle with the cover closed
- Low voltage divider optional provides for power and voice/data in a compact space
- Height accessible adjustments after the box is mounted
- Back and side knockouts for proper wiring access
- Recessed receptacle minimizes plug protrusion; allowing furniture to be located over the plug
- Top screw fastening and side joist mounting provided

Note: Template cutout provided with instructions for proper installation.



RF509BR, RJ650BKTR, RF500 with Divider

The Right Choice for That Perfect Finishing Touch!



Solid Brass | Brass Plated | Chrome Plated | Copper Plated | Nickel Plated | Stainless Finish | Almond | Black | Chestnut Brown

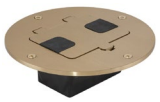
Note: Not all configurations are available in all colors. See below for details.

Floor Boxes for Structural Wood Floors

Description	Material	Finish	Catalog No.	Material	Finish	Catalog No.
Decorator duplex receptacle floor box kit; includes steel box, flange and hinged door cover assembly with 15A 125V tamper-resistant duplex receptacle; designed for installation in wood floors; mounts to sub-floor or joists.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Clear Lacquer Stainless Paint Almond Paint Black Paint Chestnut Brown Paint	**RF515BR** **RF515SS** **RF515AL** **RF515BK** **RF515BN**	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	**RF515BP** **RF515CH** **RF515CU** **RF515NI**
Flange and hinged door cover assembly; includes tamper-resistant duplex receptacle; neoprene gaskets; for use with steel box RF500.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Clear Lacquer Stainless Paint Almond Paint Black Paint Chestnut Brown Paint	**RF506BR** **RF506SS** **RF506AL** **RF506BK** **RF506BN**	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	**RF506BP** **RF506CH** **RF506CU** **RF506NI**
Flush fit cover for hardwood and tile floors (similar to above).	Solid Brass	Clear Lacquer	**RF509BR**			
Adjustable floor box; 3 inch deep; three (3) 1/2 inch knockouts: one on bottom; one on each side; non-metallic sheathed cable clamps on each side.				Steel	–	**RF500**
Hinged Door Cover Only. Replacement door for RF515, RF509 and RF506 series.	Solid Brass Aluminum Aluminum Aluminum Aluminum	Clear Lacquer Stainless Paint Almond Paint Black Paint Chestnut Brown Paint	**RF507BR** **RF507SS** **RF507AL** **RF507BK** **RF507BN**	Aluminum Aluminum Aluminum Aluminum	Brass Plated Chrome Plated Copper Plated Nickel Plated	**RF507BP** **RF507CH** **RF507CU** **RF507NI**



RF515BR



RF509BR



RF500



RF507BR

Dimensions in Inches (mm)

Duplex floor receptacles provide ample connections to service lighting, entertainment equipment and computers for family rooms and offices. Single receptacle configurations available for minimum requirements.

Features

- Low profile, solid brass flange and cover
- Cut out template provided to assure proper sub-flooring preparation
- Line and low voltage options
- 2-1/2 inch hole, ample wiring room
- For use with single or feed through service

Drop-In Floor Box

Drop-In Floor Boxes are perfect for quick and easy installation of power or low voltage. Simply cut a hole between the floor and joists and drop through. The flange lip holds it in place.



RF151R

Floor Boxes for Wood Floors

Description	Material	15A 125V NEMA 5-15R UL/CSA Catalog Number	20A 125V NEMA 5-20R UL/CSA Catalog Number
Drop In Floor Box Mounts in 2-1/2 inch hole opening. Includes solid brass cover, single tamper-resistant receptacle, optional device mounts for two (2) voice/ data video ports. Suitable for feed through circuitry. Impact resistant box.	Solid Brass	**RF151R**	**RF201R**
Duplex Receptacle Floor Box Rated Includes steel box, duplex TR receptacle and cover.	Solid Brass	**RF6500BR**	—
Single Receptacle Floor Box Rated Includes steel box, single receptacle and cover.	Solid Brass	**RF151TR**	—
Single Receptacle Display Rated Receptacle and cover only, excludes box.	Solid Brass	**RF151DTR**	—

Note: See page Tech-10 for Tamper-Resistant description.



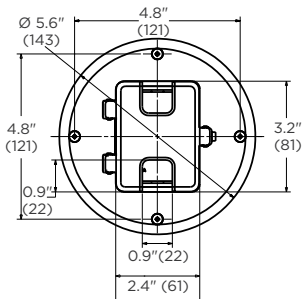
RF151R

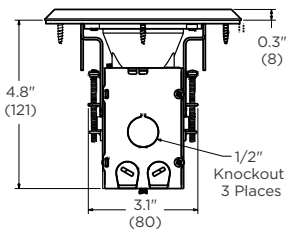


RF6500BR

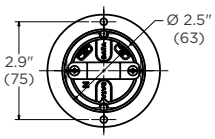
Dimensions

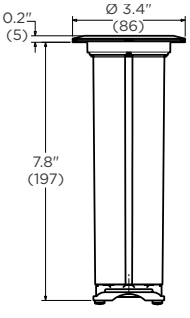
Wood Floor Boxes





Drop-In Floor Box







RF151TR



RF151DTR

Dimensions in Inches (mm)

Countertop Receptacles

Hubbell Pop-Up Receptacles for countertops provide a power source ideal for kitchen and bath counters and islands. Hubbell is the first to market a countertop receptacle that is UL Listed. It allows compliance with NEC® 406.5(E) [countertops] and 406.5(F) [work surfaces]. Pop-Up Receptacles are tested and water resistant to a half gallon spill. The receptacles feature Hubbell's patent pending silicone gaskets and patented cam action tamper-resistant technology. The compact design minimizes space required on the countertop as well
as underneath in the cabinet area.



Features

- Surface or flush mount options
- Self sealing silicone gaskets at the receptacle face
- Compact design
- Permanent installation ready (suitable for MC cable or non-metallic sheath cable)
- Seven different finishes available
- Features two water and tamper-resistant receptacles
- Easy push down to pop-up function is rated for a minimum of 10,000 cycles (OPEN/CLOSE)
- Easy installation - simply drop in and tighten
- c UL us Listed

Because Spills Happen



Hubbell Countertop Receptacles are Spill Test Compliant

Hubbell Countertop Receptacles are the first pop-up receptacles UL listed for countertop applications and permanent installations.

UL 498 Section 146
Built and Listed to be water resistant to a half gallon of liquid spilled on the device.

NEC 406.5(E)
Receptacle assemblies for installation in countertop surfaces shall be listed for countertop application.

NEC 406.5(E) "Receptacles in Countertops"
For a receptacle to meet this requirement it must be part of a listed assembly for use in countertops

- May be exposed to a larger liquid spill
- Can also be installed in work surfaces
- Must be GFCI protected surface

NEC 406.5(F) "Receptacles in Work Surfaces"
For a receptacle to meet this requirement it must be part of a listed assembly for use in work surfaces

- Does not require as high of a spill rating
- Cannot be used in countertop applications

NEC is a registered trademark of the National Fire Protection Association (NFPA).

Countertop Receptacles

Description	Finish	Color/ Material	15A 125V Receptacle		20A 125V Receptacle	
			Surface Mount	Flush Mount	Surface Mount	Flush Mount
Tamper-resistant pop-up kitchen counter receptacle, rated for 20A circuits. Cover: machined aluminum, wiring chamber accepts 1/2" MC or non-metallic sheath cable.	Powder Coated	Black White Bronze	**RCT200BK** **RCT200W** **RCT200BZE**	**RCT201BK** **RCT201W** **RCT201BZE**	**RCT220BK** **RCT220W** **RCT220BZE**	**RCT221BK** **RCT221W** **RCT221BZE**
	Brushed	Aluminum Brass Nickel	**RCT200ALU** **RCT200BR** **RCT200NI**	**RCT201ALU** **RCT201BR** **RCT201NI**	**RCT220ALU** **RCT220BR** **RCT220NI**	**RCT221ALU** **RCT221BR** **RCT221NI**
	Polished	Chrome	**RCT200CH**	**RCT201CH**	**RCT220CH**	**RCT221CH**



RCT200BK



Brushed Aluminum



Brushed Brass



Brushed Nickel



Polished Chrome



Matte Bronze



Powder Coated Black



Powder Coated White

Tri-Power AC, includes: tamper-resistant pop-up kitchen counter receptacle, USB Type AC and wireless inductive, rated for 20A circuits. Cover: machined aluminum, wiring chamber accepts 1/2" MC or non-metallic sheath cable; surface mount only.	Powder Coated	Black White Bronze	**RCT600BK** **RCT600W** **RCT600BZE**	— — —	**RCT620BK** **RCT620W** **RCT620BZE**	— — —
	Brushed	Aluminum Brass Nickel	**RCT600ALU** **RCT600BR** **RCT600NI**	— — —	**RCT620ALU** **RCT620BR** **RCT620NI**	— — —
	Polished	Chrome	**RCT600CH**	—	**RCT620CH**	—



RCT221ALU

Customizable Color Kits

Installable in surface mount option only, available in 7 different finishes



Aluminum w/Black, Gray or White



Brass w/Black, Gray or White



Nickel w/Black, Gray or White





RCT600NI



Bronze w/Black, Gray or White



Chrome w/Black, Gray or White



Black w/Black



White w/White

Note: Recommended to be fed by a GFCI circuit, up to 20 Amp Service.

Dimensions in Inches (mm)

Under Cabinet/Counter Power Distribution

These boxes comply with the NEC® for kitchen receptacles, with placement not more than 20 inches above the counter surface. They can also be placed under counter islands, not lower than 15 inches from the surface.



Features

- Available with nylon or metal cover
- Custom configurable, accepts any decorator style device
- Mounting hardware included
- UL Listed and CSA Certified under cabinet boxes

Under Cabinet/Counter Power Distribution

Description	Material	Catalog Number
Slim box.	Stainless Steel White Metal White Nylon	**RU100SS** **RU100W** **RU170W***
GFCI fit box.	Stainless Steel White Metal White Nylon	**RU200SS** **RU200W** **RU270W***

*Note: *Steel box with nylon cover.*



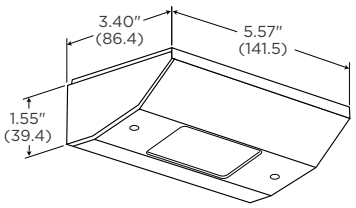
RU100W



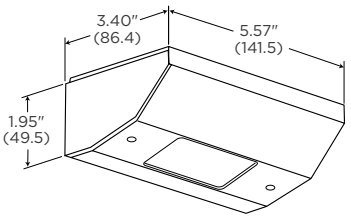
RU200SS

Dimensions

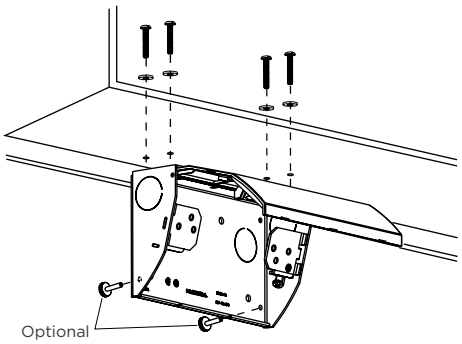
Slim Box



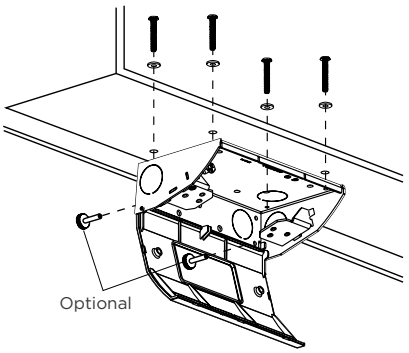
GFCI Fit Box



Vertical Mount



Horizontal Mount



NEC is a registered trademark of the National Fire Protection Association (NFPA).
Dimensions in Inches (mm)

Make the Most of a Perfect Location

Install receptacles and voice/data devices exactly where they are needed, in the smallest space possible.

Features

- Accepts any snap fit jack configuration (see page BB-10)
- Isolates low voltage and power in the same box
- Custom box mounting
- Provides for data, telephone and coaxial
- Available in 15 or 20 Amp



RJ620WTR

Note: Requires unique box shown below.

Special Use Products

Description	Color	15A 125V NEMA 5-15R UL/CSA Tamper-Resistant	20A 125V NEMA 5-20R UL/CSA Tamper-Resistant
JLOAD® Multimedia Outlet Specifically designed to provide power, Cat. 5e and coaxial in a single gang box. Requires JLOAD Multimedia Box RJ600. Perfect for HDTV and computer use where a combination of power and data are needed. Includes decorator frame, one Cat. 5e, one F-connector and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	**RJ650BKTR** **RJ650GYTR** **RJ650ITR** **RJ650LATR** **RJ650WTR**	**RJ620BKTR** **RJ620GYTR** **RJ620ITR** **RJ620LATR** **RJ620WTR**
JLOAD Multimedia Outlet Includes decorator frame with two open ports for custom configuration and one power receptacle 125V with voltage dividers*.	Black Gray Ivory Light Almond White	**RJ65BKTR** **RJ65GYTR** **RJ65ITR** **RJ65LATR** **RJ65WTR**	**RJ62BKTR** **RJ62GYTR** **RJ62ITR** **RJ62LATR** **RJ62WTR**
JLOAD Multimedia Box 3 inches deep with seven 1/2-inch knockouts, non-metallic sheathed cable clamps on each side. Screw in mounting to stud.	Steel	**RJ600**	**RJ600**

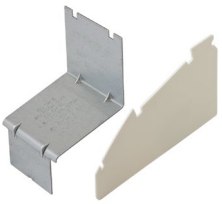
*Note: *Dividers provided for use with the RJ600, RF515 series and RU200 series boxes. RF408 required for use with the RF400 series floor boxes.*
See page BB-10 for snap fit inserts.
See pages BB-25 to BB-30 for floor boxes and under cabinet power distribution options.
See page Tech-10 for Tamper-Resistant description.



RJ620WTR



RJ62WTR

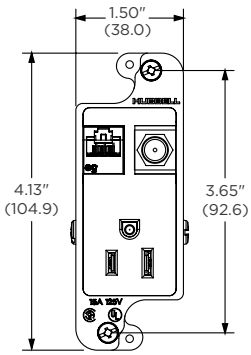


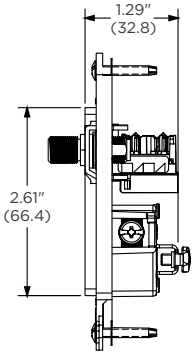
Dividers



RJ600

Dimensions





Dimensions in Inches (mm)

Taps, Adapters, Plugs, Connectors, and Starters

Taps and Adapters

Color					
Ivory Orange White	**RT600I** — **RT600W**	**RT300I** — **RT300W**	— **RT303** —	**RT200*** — —	— — **RT100W**
Description	Duplex Receptacle to Six Outlets with Ground.	Single Receptacle to Three Outlets with Ground.	Single Receptacle to Three Outlets, Heavy Duty Rubber, with Ground.	Two Wire to U-Ground.	Cube Tap without Ground.
Rating	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 5-15	15A 125V AC NEMA 1-15

*Note: *UL Listed only.*

Plugs and Connectors

Color					
Black White	**RP101BK** **RP101W**	**RP102BK** **RP102W**	**RP646** —	**RP648** —	**RP649** —
Description	Straight Plug, Polarized, Two Blade Light Duty.	Straight Connector, Polarized, Two Blade, Light Duty.	Straight Plug, Non-Polarized, Two Blade, Heavy Duty.	Straight Plug, Polarized, Two Blade, Heavy Duty.	Straight Connector, Polarized, Two Blade, Heavy Duty.
Wire Range Cord	#16,18 AWG, Up to .250 inch Dia.	#16,18 AWG, Up to .250 inch Dia.	#14-18 AWG, Up to .330 inch Dia.	#14-18 AWG, Up to .330 inch Dia.	#14-18 AWG, Up to .330 inch Dia.
Rating	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P	15A 125V NEMA 1-15P

Plugs and Connectors

Color	
Ivory White	**RP123I** **RP123W**
Description	Straight Plug, Non-Polarized, Two Blade.
Cord	SPT 1 and 2 Cord 18/2 & 16/2 AWG
Rating	15A 125V NEMA 1-15P

Fluorescent Starters

The Hubbell Neostart is a glow discharge type of starter which combines fast starting speed with rugged, dependable operation. The Neostart lights the lamp very rapidly and insures proper lamp operation throughout rated life. Because of its rugged construction, it can be depended upon to withstand continued punishment resulting from lamp failure. In addition, it operates satisfactorily over a wide temperature range. In dual lamp circuits, the Neostart lights both lamps quickly and uniformly.

Lamps	Catalog Number
14, 15 and 20 watt lamps	**FS2**
13, 30 and 40 watt lamps	**FS4**
4, 6 and 8 watt lamps	**FS5**
22 watt circle line, 25 watt standard lamps	**FS25**



FS2

Dimensions in Inches (mm)





30, 50, 100 & 200 Amp Cable Sets and Devices



Marine Adapters



Marine Isolation Transformers

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Ship-to-Shore Selection Guide. CC-4
ELCI Interface Solutions CC-7
Ship-to-Shore Cable Sets and Devices
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- 50A Twist-Lock CC-14
- 100A Pin and Sleeve CC-19
- 200A Pin and Sleeve. CC-23

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Hubbell Marine 100 Amp Pin & Sleeve

The Best Just Got Better..... Page CC-20

Hubbell Marine was the first to offer 100 amp marine grade devices that are considered second to none. Hubbell developed the standard for 100 amp pin and sleeve devices with the National Electric Code and the American Boat and Yacht Council.



M4100R12



M4100P12

Improved Features:

- UL Type 4X and IP69k Rated
- Compact and durable cap hinge is fully shrouded and protected
- VO flammability rating
- UV stabilized, impact resistant and chemical resistant housing to withstand the harshest environments

Hubbell Marine Isolation Transformers

Constant Clean Safe Power..... Page CC-30

Key Features

- Protects sensitive equipment on board from fluctuating or low voltage
- Converts various dockside power, such as 208 volt systems to the 120/240 volts needed on board
- Greatly reduces the possibility of stray current from your boat from leaking into the water, known as Electrical Shock Drowning (ESD)s

Available Options:

- 15 kVA and 25 kVA Models
- 60 Hz and 50/60 Hz Models
- 12.5% Auto-Boost
- White Powder Coated Steel Housing (Non-Boost Only)
- #316 Stainless Steel Housing (with and without Auto-Boost)



#316 Stainless Steel Housing



Standard White Powder Coated Steel Housing

Intelligent Y Adapters

Safe and Reliable Power..... Page CC-26

Hubbell Marine offers a variety of Y adapters to fit boats and situations of all sizes and needs.

- Rugged UV resistant high-impact housing
- Environmentally sealed against humidity, fog and rain
- Cord clamps prevent strain on terminals
- Sealing grommets keep moisture out
- Safety indicator light (when ON, safe operation is indicated)
- 3 pole contactor breaks both hots and neutrals to prevent possibility of “live” plug when not engagedDrowning (ESD)s



Marine Intelligent Y Adapter

USB Charger Receptacles with Type-C Ports

Charge Faster with Hubbell .....Page CC-41

The smaller size USB Type-C connection will replace the traditional larger Type A connection

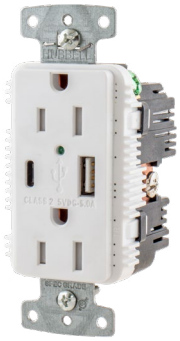
Now, with 5 amps of fast charging power Available in standard tamper-resistant version and in weather resistant versions

USB Type-C connection is:

- Smaller, 24 pin configuration
- More robust for reliable connection
- Quicker, simply plug in your cord



Type-C



Type A&C

New Hubbell Weather Resistant and Extra Heavy Duty Corrosion Resistant Ground Fault Receptacles

Ground Fault Receptacle Features .....Page CC-42

Hubbell's Weather Resistant offering:

- Meets NEC requirements for weather resistant, UV and corrosion resistance for harsh and damp locations
- Protects against line and load reversal

Extra heavy duty ground fault receptacles are designed to withstand the most emanding environments and applications:

- Nickel plated face contacts, mounting strap and terminals
- Stainless steel hardware
- Tamper and weather resistant make this the only corrosion resistant ground fault receptacle available



Weather Resistant

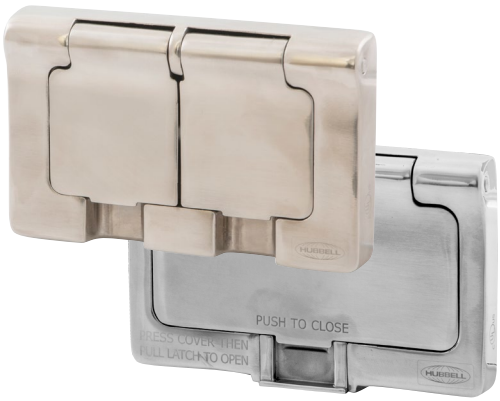


Extra Heavy Duty Corrosion Resistant

Stainless Steel Weatherproof and Watertight Flip Covers

Flip Cover Features .....Page CC-48

- Heavy duty #316 stainless steel covers provide superior corrosion resistance while maintaining their smooth, polished finish
- Available in rain-tight or watertight, duplex and GFCI versions
- Horizontal or vertical mounting positions
- UL and cUL Listed



Ship-to-Shore Selection Guide: Boatside

30A 125V AC 2 Pole 3 Wire Pages CC-8 to CC-12	 HBL303NM	 HBL303SS	 HBL26CM13	 HBL60CM33 HBL60CM33W
50A 125V AC 2 Pole 3 Wire Pages CC-13 to CC-15	 HBL503NM	 HBL503SS	 HBL63CM60	 HBL77CM15 HBL77CM15W
50A 125/250V AC 3 Pole 4 Wire Pages CC-16 and CC-17	 HBL504NM	 HBL504SS	 HBL63CM64	 HBL77CM15 HBL77CM15W
100A 125/250V AC 3 Pole 4 Wire Pages CC-18 to CC-20		 M4100B12R	 M4100C12R	
100A 3ØY 4 Pole 5 Wire Page CC-21 120/208V AC 277/480V AC		 M5100B9R M5100B7R	 M5100C9R M5100C7R	
200A 600V AC/250V DC 50-400 Hertz 4 Pole 5 Wire Pages CC-22 and CC-23		 M5200BS1R	 M5200CS1R	
Portable Telephone and Cable TV Devices Pages CC-32 and CC-33	 HBLPHTVNM	 HBLPHTVSS	 HBLTVSS	 PH6624

Dimensions in Inches (mm)



WC310280 - 280′ (85.3m) White cable only.

HBL61CM08 & **HBL61CM08LED** - 50′ (15.2m)
HBL61CM03 & **HBL61CM03LED** - 25′ (7.6m)
HBL61CM08W & **HBL61CM08WLED** - 50′ (15.2m)
HBL61CM03W & **HBL61CM03WLED** - 25′ (7.6m)



HBL60CM31
HBL60CM31W



HBL26CM11



HBL26CM10



HBL74CM25WOA
HBL74CM25WOAW



YC306250 - 250′ (76.2m) Yellow cable only.

HBL61CM53 & **HBL61CM53LED** - 50′ (15.2m)
HBL61CM43 & **HBL61CM43LED** - 25′ (7.6m)



HBL77CM16
HBL77CM16W



HBL63CM61



HBL63CM70



HBL77CM74WO



YC406250 - 250′ (76.2m) Yellow cable only.

HBL61CM52 & **HBL61CM52LED** - 50′ (15.2m)
HBL61CM42 & **HBL61CM42LED** - 25′ (7.6m)
HBL61CM52W & **HBL61CM52WLED** - 50′ (15.2m)
HBL61CM42W & **HBL61CM42WLED** - 25′ (7.6m)



HBL77CM16
HBL77CM16W



HBL63CM65



HBL63CM69



HBL77CM74WO



CS1004 - 100′ (30.4m) 4-Wire
CS754 - 75′ (22.8m) 4-Wire
CS100IT4 - 100′ (30.4m) 3-Wire
CS75IT4 - 75′ (22.8m) 3-Wire

CW125IT4 - 125′ (38.0m) One-ended cable set for winches.
CW100IT4 - 100′ (30.4m) One-ended cable set for winches.
CW754 - 75′ (22.8m) One-ended cable set for winches.
CS50EXT4 - 50′ (15.2m) Extension cord.



M4100P12



M4100C12



M4100R12



CS100IT5 - 100′ (30.4m) 4-Wire
CS75IT5 - 75′ (22.8m) 4-Wire

CW125IT5 - 125′ (38.0m) One-ended cable set for winches.
CW100IT5 - 100′ (30.4m) One-ended cable set for winches.



M5100P9
M5100P7



M5100C9
M5100C7



M5100R9
M5100R7



M5200PS1



M5200CS1



M5200RS1



PH6599 - 50′ (15.2m)

75 Ohm TV Cable
TV99 - 50′ (15.2m)
TV98 - 25′ (7.6m)



PH6625



PH6596



TV97

Dimensions in Inches (mm)

ELCI Interface Solutions

ABYC Code Requirements

Hubbell Marine Electrical continues its tradition of innovation by developing a simple, flexible method of adapting a variety of ELCI Sensors and Breakers to our traditional Stainless Steel and Non-Metallic Shore Power Inlet Housings.

Effective July 31, 2012, ABYC, E-11.11.1 requires that "An Equipment Leakage Circuit Interrupter (ELCI) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional over current protection as required by E-11.10.2.8.3, whichever is closer to the shore power connection".

Note: A faulty electrical connection at the dock or on a boat could result in stray electrical current in the water. Such stray current in Electrical Shock Drowning (ESD).

Hubbell's family of ELCI adaptive Shore Power Inlet Kits provide a simple, flexible, low-cost solution.



Kits Contain:

- Hubbell Shore Power Inlet
- Matching Shore Power Inlet Housing(s)
- Mounting Adapter Plate(s) for use with various ELCI Sensors and ELCI Breakers (not provided)
- Stainless Steel Hardware

An Equipment Leakage Circuit Interrupter (ELCI) provides 30mA ground fault protection for the entire AC shore power system beyond the ELCI

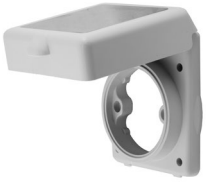








Hubbell ELCI Adapter Kits for North Shore Safety, Ltd® PGFM Series (ELCI Marine) Sensing Module and Sensata Technologies® ELCI Breakers

Description	Breaker	Sensor	Power Inlet	Catalog Number
30 Amp, 125 Volt Non-Metallic Inlet (HBL303NM) and (1) Non-Metallic Inlet Housing that adapts to North Shore Safety's Sensor only (no circuit breaker inlet housing), Adapter Plate and Hardware.				HBL303NMELCIS
30 Amp, 125 Volt Stainless Steel Inlet (HBL303SS) and (2) Stainless Steel Inlet Housings, Adapter Plates and Hardware.				HBL303SSELCI
50 Amp, 125/250 Volt Stainless Steel Inlet (HBL504SS) and (2) Stainless Steel Inlet Housings, Adapter Plates and Hardware.				HBL504SSELCI
50 Amp, 125/250 Volt Stainless Steel Inlet (HBL504SS) and (2) Stainless Steel Inlet Housing that adapts to a standard overcurrent-type circuit breaker.				HBL504SSELCIH
Blank Non-Metallic Inlet Housing and Hardware for mounting North Shore Safety ELCI Sensor only.				HBLRRELCI

Note: North Shore Safety's Sensor and Sensata Technologies Circuit Breakers (not provided) are separate devices each requiring their own blank shore power inlet interface.

Dimensions in Inches (mm)

30 Amp Cable Sets

Features and Benefits

- Bright, durable, LED (green) indicates “Power-ON”
- High intensity LED is visible—even in bright sunlight
- Totally molded design for superior waterproofing and durability
- Exclusive copper crimp barrel terminations for tighter connections and longer life
- Marine UL and cUL Listed

Cable sets only.



Note: Cable sets must be fully extended before using.



Housing Design

- New improved ergonomic styling
- Line-up notches to indicate: Locked - Unlocked
- Arrow indicating lock or unlock position
- Available in yellow or white colors



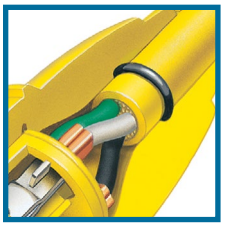
Interior Design

- Molded design totally encased in solid PVC material, for superior waterproofing and durability
- Locking ring assures proper alignment of connector to inlet for complete contact and waterproofing; prevents accidental disengagement



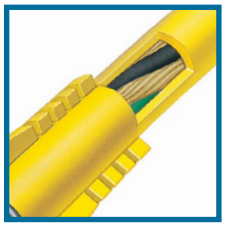
Safety

- Bright green LED indicates “Power-ON”



Interior Design

- Strain relief bull ring protects against stress and strain on the conductors caused by boat movement, crew traffic and rough handling
- Exclusive copper crimp barrel termination provides protection against internal overheating as well as additional strain relief



Cord Flexibility

- Molded flexneck adds life to cable set by helping to prevent right-angle cable damage and pullout
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter; particularly in colder climates



Cable Set Options

- Available in 50, 35 and 25 foot lengths
- Available with or without LED
- Available in UV resistant yellow or white
- Marine UL and cUL Listed

30 Amp Cable Sets and Bulk Cable

Our 30A 125V cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.

IP55 SUITABILITY (Boatside)

UL c UL US LISTED
Cable sets only.



HBL61CM08
HBL61CM03



30A 125V
NEMA L5-30R
UL/CSA

30A 125V Cable Sets and Bulk Cable

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight.	HBL61CM08
Same as HBL61CM08 except 25 ft. (7.6m) in length.	HBL61CM03
Same as HBL61CM08 except in white in color.	HBL61CM08W
Same as HBL61CM03 except in white in color.	HBL61CM03W

Note: See page CC-8 for features and benefits.



HBL61CM08W
HBL61CM03W

30A Cable Sets with LED "Power-ON" Indicator

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #10 AWG is factory pre-wired with molded-on devices. Connector end has non-metallic threaded sealing ring which makes inlet/connector interface watertight.	HBL61CM08LED
Same as HBL61CM08LED except 25 ft. (7.6m) in length.	HBL61CM03LED
Same as HBL61CM08LED except in white in color.	HBL61CM08WLED
Same as HBL61CM03LED except in white in color.	HBL61CM03WLED

Note: See page CC-8 for features and benefits.



HBL61CM08LED
HBL61CM03LED

Accessories

Description	Catalog Number
White 280 ft. (85.3m) three conductor, #10 AWG type STW, PVC jacketed portable cord with jute fillers for added flexibility. Ideal for making cable sets, extension cord, and adapters that will not mark boat's deck. 280 ft. (85.3m) lengths only.	WC310280
Replacement non-metallic sealing ring for 30A cable sets and boots.	RPL30P*

*Note: *Not UL Listed.*



RPL30P

Dimensions in Inches (mm)

30 Amp 125 Volt Shore Power Inlets and Outlet

Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included.

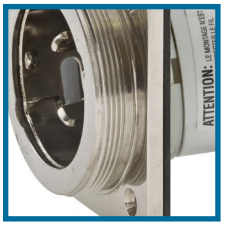
- Friction tight self-closing cover assures the interior is shielded from the elements when the inlet is not in use
- Neoprene gasket on underside of cover; for sealing when the cover is closed
- Mirror stainless steel finish for superior appearance





Housing Design

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal; when in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover



Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Mounting holes are 2.38 in. (60.3) on center
- Polycarbonate interior has superior heat resistance



Terminations

- Easy-to-wire interior is transparent for quick, visual inspection of terminations
- #SR3050 protective rear enclosure cap attaches to contact carrier with 3 screws



30A 125V NEMA L5-30R
UL/CSA

30A 125V Twist-Lock® Devices

Description	Catalog Number
Stylized UV resistant non-metallic shore power inlet has white Centrex® cover which makes unit weatherproof when completely closed. Interior has easy-to-wire terminations and is transparent for quick and easy visual inspection. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. **IP55 suitability.**	**HBL303NM**
Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. **IP56 suitability.**	**HBL303SS**
Traditional stainless steel inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included. **IP56 suitability.**	**HBLCBISS**
Stylized non-metallic inlet housing; blank for attaching a circuit breaker (not included). Mounting hardware for Carling series breakers included. **IP55 suitability.**	**HBLCBINM**
Protective rear cover. Fits all 30A shore power inlets. Secures to back of inlets with three screws which are provided.	**SR3050***
Replacement interior for HBL303SS and 60CM61 shore power inlets.	**HBL303INT**
Traditional stainless steel power outlet has gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. **IP56 suitability.**	**HBL303SSO**
Nickel plated brass adapter plate for mounting 30A traditional style shore power inlets and outlets to FS/FD box.	**HBL60CM75**

*Note: *Not UL Listed or CSA Certified.*

Centrex® is a registered trademark of LANXESS Corporation.
Dimensions in Inches (mm)



HBL303NM



HBLCBISS



HBLCBINM



HBL303SSO



30A 125V
NEMA L5-30R
UL/CSA

Plugs, receptacles and connectors only.

30A 125V Twist-Lock® Devices

Description	Catalog Number
Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 suitability.**	**HBL26CM11**
Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief.	**HBL26CM13**
Yellow single receptacle has Rynite® body and abuse resistant nylon face. **IP20 suitability.**	**HBL26CM10**



HBL26CM11

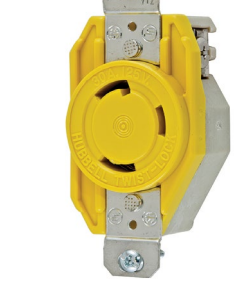


HBL26CM13

Boots and Weatherproof Plates

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing HBL26CM11 plugs. **IP44 suitability.** Note: Fits Insulgrip devices only.	**HBL60CM31+**
White Seal-Tite cover for weatherproofing HBL26CM11 plugs. **IP44 suitability.** Note: Fits Insulgrip devices only.	**HBL60CM31W+**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. **IP56 suitability.** Note: Fits Insulgrip devices only.	**HBL60CM33+**
White Seal-Tite cover for weatherproofing HBL26CM13 connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. Also for weatherproofing HBL26CM11 plug when used with HBL303SSO power outlet. **IP56 suitability.** Note: Fits Insulgrip devices only.	**HBL60CM33W+**
Yellow Seal-Tite cover for weatherproofing HBL26CM13 connector bodies when used on extension cords or adapters. **IP44 suitability.** Note: Fits Insulgrip devices only.	**HBL60CM32+**
Yellow polycarbonate spring-loaded lift cover for weather-proofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 suitability.**	**HBL74CM24WO****
Same as HBL74CM24WO except gray in color. **IP44 suitability.**	**HBL7424WO****
Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL26CM10 receptacle.Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 suitability.**	**HBL74CM25WOA****
Same as HBL74CM25WOA except white in color. **IP44 suitability.**	**HBL74CM25WOAW**
Same as HBL74CM25WOA except gray in color. **IP44 suitability.**	**HBL7425WOA****
Stainless steel wall plate for old 26CM10.	**SS725**
Stainless steel wall plate for new HBL26CM10.	**SS720**

Note: +Boots are not UL Listed or CSA Certified.
***See page CC-49 for aditional weatherproof plates.*



HBL26CM10



HBL60CM31



HBL60CM33



HBL60CM32



HBL74CM25WOA



HBL74CM25WOAW



SS725

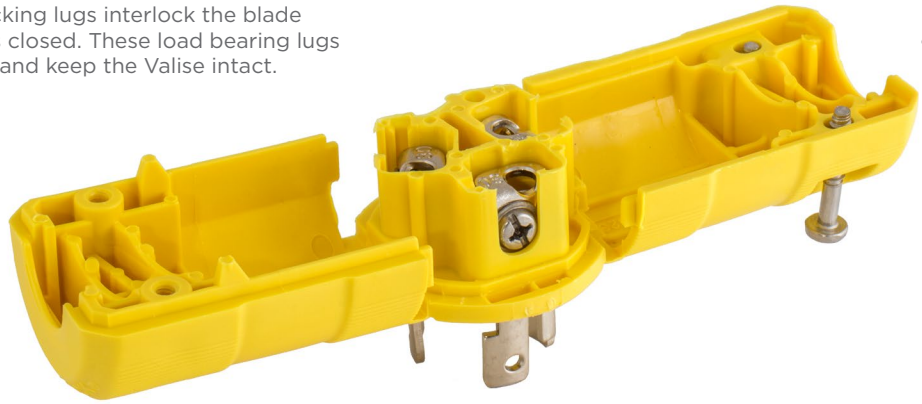
Rynite® is a registered trademark of E. I. DuPont.

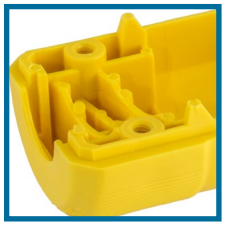
Dimensions in Inches (mm)

30 Amp Valise® Devices

A unique system of special locking lugs interlock the blade holder and sides as the plug is closed. These load bearing lugs provide strength and security and keep the Valise intact.

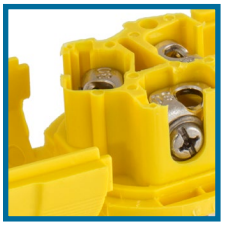
Plug and connectors only.





Housing Design

- Nylon body
- Wiring time is reduced; large, easy-to-wire clamp type terminals eliminate the need to wrap conductors around a screw



Interior Design

- Exclusive nylon webs are provided to make wiring quick and easy by joining the three sections together during assembly
- Powerful cord grips resist conductor slip and strain on wiring terminals
- Nickel plated brass contacts for corrosion resistance



Terminations

- Terminals provide a superior electrical connection by "bundling" the conductors when the clamps are tightened
- Two captive stainless steel assembly screws



30A 125V
NEMA L5-30R
UL CSA

30A 125V Twist-Lock® Devices

Description	Catalog Number
Yellow Valise plug has one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). **IP20 suitability.**	HBL26CM11V
Black Valise plug for use on bass boats with trolling motor. One-piece nylon housing assembles easily with two screws. Built-in cord grip has a range of .59–.93 in. (15.0–23.6). **IP20 suitability.**	HBL26CM11VB
Yellow Valise connector body has a one-piece nylon housing and assembles easily with two screws. Built-in cord grip has range of .59–.93 in. (15.0–23.6). **IP20 suitability.**	HBL26CM13V

Boots and Replacement Parts

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing **HBL26CM11V** plugs. **IP44 suitability.** Note: Fits Valise devices only.	HBL60CM31V**
Yellow Seal-Tite cover for **HBL26CM13V** connector body when used with shore power inlets. Threaded sealing ring makes connection watertight. **IP56 suitability.** Note: Fits Valise devices only.	HBL60CM33V**
Yellow Seal-Tite cover for weatherproofing **HBL26CM13V** connector bodies when used on extension cords or adapters. IP44 suitability. Note: Fits Valise devices only.	HBL60CM32V**
Replacement non-metallic sealing ring for 30A cable sets and boots. Not UL listed.	RPL30P*

*Note: *Not UL Listed.*
***Not UL Listed or CSA Certified.*

Dimensions in Inches (mm)



HBL26CM11V



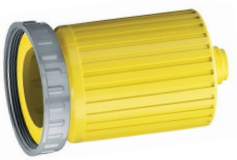
HBL26CM11VB



HBL26CM13V



HBL60CM31V



HBL60CM33V

Features and Benefits

- Two bright and durable LEDs. GREEN indicates "Power-ON" and RED indicates "Incorrect Wiring" at the power source
- High intensity LEDs are visible - even in bright sunlight
- Totally molded design for superior waterproofing and durability
- Exclusive copper crimp barrel terminations for tighter connections and longer life
- Marine UL and cUL Listed

cULus LISTED
Cable sets only.

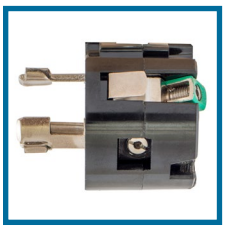


Note: Cable sets must be fully extended before using.



Housing Design

- New improved ergonomic styling
- Line-up notches to indicate: Locked - Unlocked
- Stainless steel threaded sealing ring to provide a watertight seal when mated with the shore power inlet
- Nickel plated brass shell for positive alignment of keying and corrosion-resistance



Interior Design

- Contact carrier is arcing and heat resistant
- Nickel plated brass contact blades for corrosion-resistance



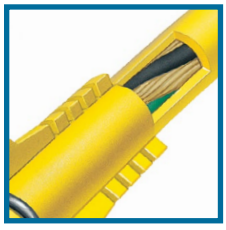
Safety

- Arrow with ground symbol allows lining up with ground of receptacle
- Bright green LED indicates "Power-ON"; Bright red LED indicates "Incorrect Wiring" at the power source



Superior Termination

- Bull ring for strain relief on the terminals
- Exclusive copper crimp barrel termination provides protection against internal overheating and burnout compared to brass crimps



Cord Flexibility

- Molded-in flex feature controls the angle of cord entry and keeps water out
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter



Cable Set Options

- Available in 50 and 25 foot lengths
- Available in yellow or white
- Cords for winch systems available upon request
- Marine UL and cUL Listed

50 Amp 125 Volt Traditional Stainless Steel Inlets

Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included.

- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inlet is not in use
- Neoprene gasket on underside of cover, for sealing when the cover is closed

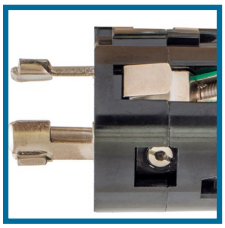


Inlets and connectors only.



Housing Design

- Base and cover end threads are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal; when in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover



Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Mounting holes are 2.38 in. (60.3) on center
- Polycarbonate interior has superior heat resistance



Terminations

- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance



50A 125V

50A 125V Twist-Lock® Devices

Description	Catalog Number
Stylized non-metallic shore power inlet has UV resistant white Centrex® cover which makes unit weatherproof when completely closed. Interior has easy to wire terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. **IP55 suitability.**	**HBL503NM**
Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included. **IP56 suitability.**	**HBL503SS**
Nickel plated brass connector body has heat resistant interior and combination metal and rubber cord grip provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 suitability.**	**HBL63CM60**



HBL503NM



HBL63CM60

Boots and Replacement Parts

Description	Catalog Number
Protective rear cover. Fits all inlets except HBL503SS. Secures to back of inlets with three screws which are provided.	**SR3050***
Yellow Seal-Tite® cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 suitability.**	**HBL77CM15***
White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 suitability.**	**HBL77CM15W***
Nickel plated brass cord clamp assembly with clamp range of .44–1.14 in. (11.1–29.0) provides strain relief for terminations on shore power inlets.	**HBL77CM67**
Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. **IP56 suitability.**	**HBL77CM17***



HBL77CM15



HBL77CM17

*Note: *Not UL Listed or CSA Certified.*

Centrex® is a registered trademark of LANXESS Corporation.
Dimensions in Inches (mm)

50 Amp 125 Volt Cable Sets and Bulk Cable

IP56 SUITABILITY (Boatside)

UL c UL US LISTED
Cable sets only.

Our 50A 125V cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.



50A 125V

50A 125V Cable Sets and Twist-Lock® Devices

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set. #6 AWG type STOW is completely factory pre-wired with molded-on devices. Connector end has threaded metallic sealing ring to make inlet/connector interface watertight. **IP54 suitability (boatside)**.	**HBL61CM53**
Same as HBL61CM53 except with two high intensity LEDs.	**HBL61CM53LED**
Same as HBL61CM53 except 25 ft. (7.6m) in length.	**HBL61CM43**
Same as HBL61CM43 except with two high intensity LEDs.	**HBL61CM43LED**
Three conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillersfor added flexibility. Ideal for making cable sets, extension cords and adapters will not mark boat's deck. 250 ft. (75.2m) lengths only.	**YC306250**
Nickel plated brass plug has heat resistant interior and combination metal and rubber cord grip, provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 suitability.**	**HBL63CM61***
Single receptacle has a heat-resistant base. **IP20 suitability.**	**HBL63CM70***

*Note: *UL Listed and CSA Certified.*
See page CC-13 for features and benefits.


HBL61CM53
HBL61CM43


HBL61CM53LED
HBL61CM43LED


HBL63CM61

Boots and Weatherproof Plates

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing 50A plugs. **IP55 suitability.**	**HBL77CM16****
White Seal-Tite cover for weatherproofing 50A plugs. **IP55 suitability.**	**HBL77CM16W****
Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 suitability.**	**HBL77CM74WO**
Same as HBL77CM74WO except gray in color. **IP44 suitability.**	**HBL7774WO**
Stainless steel wall plate for 50A receptacle.	**SS750**

*Note: **Not UL Listed or CSA Certified.*


HBL63CM70


HBL77CM16


HBL77CM16W


HBL77CM74WO


HBL7774WO


SS750

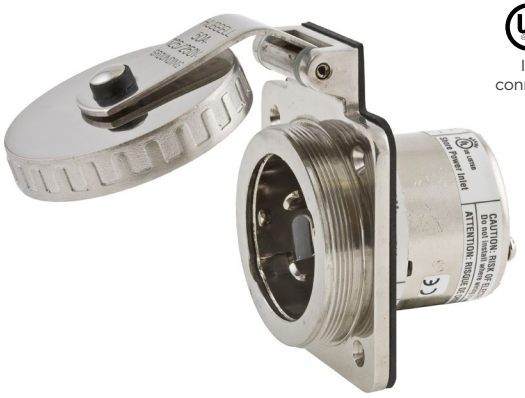
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

50 Amp 125/250 Volt Traditional Stainless Steel Inlets

Traditional stainless steel shore power inlet has gasketed, self-closing cover so interior is shielded from the elements when not in use. Watertight when cover is securely fastened. Mounting holes are 2.38 in. (60.3) on centers and rear portion has 2.17 in. (55.1) diameter. Mounting screws and gasket included.

- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inlet is not in use
- Neoprene gasket on underside of cover. For sealing when the cover is closed

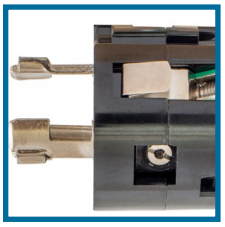


Inlets and connectors only.



Housing Design

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Threaded base for making a watertight seal; when in use, it mates to the threaded ring of the weatherproof cover on the connector body; when not in use, it mates to the threaded cover



Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Pressure screw terminals for secure terminations clearly marked for easy identification
- Contact carrier is arcing and heat resistant



Terminations

- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance



50A
125/250V
UL/CSA

50A 125/250V Twist-Lock® Devices

Description	Catalog Number
Stylized non-metallic shore power inlet has UV resistant white Centrex® cover which makes unit weatherproof when completely closed. Interior is heat resistant material and has box lug terminals. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket included. **IP55 suitability.**	HBL504NM
Traditional stainless shore power inlet has gasketed, self-closing cover so that the interior is shielded from the elements when not in use. It is watertight when the cover is securely fastened. The mounting holes are 2.38 in. (60.3) on centers and the rear portion has a 2.17 in. (55.1) diameter. Mounting screws and gasket are included. **IP56 suitability.**	HBL504SS
Nickel plated brass connector body has a heat resistant interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 suitability.**	HBL63CM64



HBL504NM



HBL63CM64

Boots and Weatherproof Plates

Description	Catalog Number
Protective rear cover. Fits all inlets except HBL504SS. Secures to back of inlets with three screws which are provided.	SR3050*
Replacement interior for 63CM74 and HBL504SS power inlets.	CR16279*
Yellow Seal-Tite® cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 suitability.**	HBL77CM15*
White Seal-Tite cover for connector bodies when used with 50A shore power inlets. Threaded sealing ring makes connections watertight. **IP56 suitability.**	HBL77CM15W*
Yellow Seal-Tite cover for weatherproofing 50A connector bodies on extension cords or adapters. **IP55 suitability.**	HBL77CM17*
Nickel plated brass cord clamp assembly with clamp range of .44–1.14 in. (11.1–29.0) provides strain relief for terminations on shore power inlets.	HBL77CM67



HBL77CM15



HBL77CM17

*Note: *Not UL Listed or CSA Certified.*

Centrex® is a registered trademark of LANXESS Corporation.
Dimensions in Inches (mm)

50 Amp 125/250 Volt AC Cable Sets and Bulk Cable

Our 50A 125/250V AC cable set is packed with high performance details from end to end that make a real difference. Completely factory pre-wired with molded-on devices. Designed to coil easily and lay flat.



50A
125/250V
UL/CSA

UL c UL US LISTED
Cable sets only.

50A 125/250V Cable Sets and Twist-Lock® Devices

Description	Catalog Number
Yellow 50 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. **IP56 suitability (boatside).**	HBL61CM52
Same as HBL61CM52 except with two high intensity LEDs.	HBL61CM52LED
Same as HBL61CM52 except white in color.	HBL61CM52W
Same as HBL61CM52LED except white in color.	HBL61CM52WLED
Yellow 25 ft. (15.2m) vinyl jacketed shore power cable set, #6 AWG type STOW is completely factory pre-wired with molded-on devices. The connector end has a metallic threaded sealing ring for making the inlet/connector interface watertight. **IP56 suitability (boatside).**	HBL61CM42
Same as HBL61CM52LED except 25 ft. (7.6m) in length.	HBL61CM42LED
Same as HBL61CM42 except white in color.	HBL61CM42W
Same as HBL61CM42LED except white in color.	HBL61CM42WLED
Four conductor, #6 AWG type STOW, yellow PVC jacketed portable cord with jute fillers for added flexibility is ideal for making cable sets, extension cords and adapters that will not mark the boats deck. Available in 250 ft. (76.2m) lengths only.	YC406250
Nickel plated brass plug has a heat resistant interior and combination metal and rubber cord grip, which provides superior strain relief capability. Cord grip range is .44–1.14 in. (11.1–29.0). **IP20 suitability.**	HBL63CM65*
Single receptacle has a heat resistant base. **IP20 suitability.**	HBL63CM69*

*Note: *UL Listed and CSA Certified.*
See page CC-13 for features and benefits.



HBL61CM52
HBL61CM52W
HBL61CM42
HBL61CM42W



HBL61CM52LED
HBL61CM42LED



HBL63CM65



HBL63CM69

Boots and Weatherproof Plates

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing 50A plugs. **IP55 suitability.**	HBL77CM16*
White Seal-Tite cover for weatherproofing 50A plugs. **IP55 suitability.**	HBL77CM16W*
Yellow Valox® lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 suitability.**	HBL77CM74WO
Same as HBL77CM74WO except gray in color. **IP44 suitability.**	HBL7774WO
Stainless steel wall plate for 50A receptacle.	SS750

*Note: *Not UL Listed or CSA Certified.*



HBL77CM16



HBL77CM16W



HBL77CM74WO



HBL7774WO



SS750

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

100A Pin and Sleeve Devices

Features and Benefits

- Hubbell Marine was the first to offer 100 amp marine grade devices that are considered second to none
- Hubbell developed the standard for 100 amp Pin and Sleeve devices with the National Electric Code and the American Boat and Yacht Council





Housing Design

- PBT housing provides increased safety and abuse resistance
- High visibility yellow, STOW cable, 105°C rated and UL Listed
- The gasketed locking ring engages the mating device and when rotated and locked makes the interface between the devices watertight



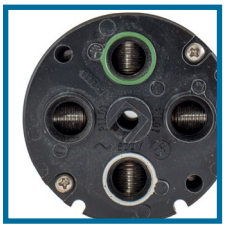
Housing Design

- PBT housing provides increased safety and resistance
- The gasketed, self-closing cover is keyed to normally seat in a position that provides a weatherproof seal; simply rotating the cover and locking it makes it watertight
- The device is marked with its catalog number and rating for easy identification



Interior Design

- Engineered thermoplastic polymer provides high dielectric withstand performance against tracking and superior impact resistance
- Two screw pressure terminals provide reliable terminations
- Nickel plated solid brass pins provide for long life and reliable electrical contact in corrosive environments
- Special keying makes proper alignment of mating devices quick and easy



Interior Design

- Engineered thermoplastic polymer provides high dielectric withstand performance against tracking and superior impact resistance
- The terminals are clearly identified with large markings for easy recognition
- Nickel plated solid brass contacts provide for long life and reliable electrical contact in corrosive environments
- Special keying makes proper alignment of mating devices quick and easy



Exterior Design

- Massive external cable grips protect the wiring from conductor movement which can cause strain on the terminals
- All screws are stainless steel for corrosion resistance
- The device is marked with its catalog number and rating for easy identification

100 Amp Cable Sets

IP56 SUITABILITY

- Only Hubbell offers 3, 4 and 5 wire 100 amp cable sets for your shore power requirements
- Cable sets manufactured in factory-controlled conditions using specially compounded cable to accommodate a full 100 amperes



Note: Cable sets must be fully extended before using.

100A Pin and Sleeve Cable Sets

Description	100A 125/250V AC	100A 3ØY 120/208V AC
	Catalog Number	
Yellow 75 ft. (22.8m) corrosion-resistant shore power cable set, 105°C rated, #2 AWG, (no neutral), STOW cable with plug and connector body for use with boats with isolation transformer on board.	CS75IT4* CS75IT4W	CS75IT5
Same as above except 100 ft. (30.4m) in length.	CS100IT4	CS100IT5
Yellow 75 ft. (22.8m) corrosion-resistant shore power cable set, 105°C rated, #2 AWG, STOW cable.	CS754	—
Same as CS754/5 except 100 ft. (30.4m) in length.	CS1004	—
Yellow 50 ft. (15.2m) corrosion-resistant extension cord, 105°C rated, #2 AWG, STOW cable. For mating with existing shore power cable set.	CS50EXT4	—
Yellow 75 ft. (22.8m) corrosion-resistant one-ended (male only) power supply cable, 105°C rated, #2 AWG, STOW cable with 3 pole 4 wire male plug only; for use with boats using a cable winch system.	CW754	—
Yellow 100 ft. (30.4m) corrosion-resistant one-ended (male only) power supply cable, 105°C rated, #2 AWG, (no neutral) STOW cable with male plug only; for use with boats with isolation transformer on board and a cable winch system.	CW100IT4	CW100IT5
Same as CW100IT4/5 except 125 ft. (38.0m) in length.	CW125IT4	CW125IT5
Same as CW100IT4/5 except white in color.	CW100IT4W	—

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.
**Also available in white, consult factory.*



CS75IT4
CS100IT4



CS100IT4W

Dimensions in Inches (mm)

100A Ship-to-Shore Devices



100A 125/250V Pin and Sleeve Devices

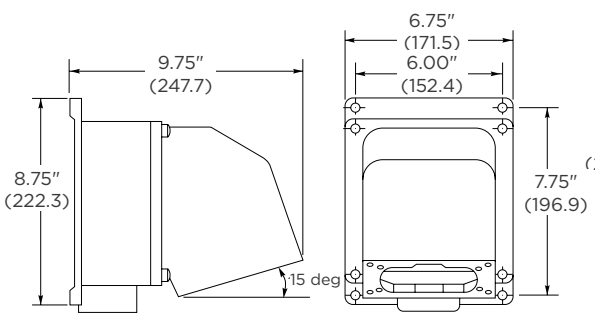
Description	Catalog Number
Yellow Zytel® PBT watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). **IP56 suitability.**	**M4100P12**
Gray PBT dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included. **IP56 suitability.**	**M4100R12**
Yellow Zytel PBT watertight connector body for mating plug to connector interface on extension cords or adapters. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: It cannot be mated to the shore power inlet. **IP56 suitability.**	**M4100C12**
Gray PBT shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included. **IP56 suitability.**	**M4100B12R**
Yellow Zytel PBT watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: This device mates with shore power inlet only. **IP56 suitability.**	**M4100C12R**

100A Back Boxes and Accessories

Description	Catalog Number
Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion-resistant gray alkyd-based enamel finish and 1-1/2 in. NPT hub which can be mounted for either top or bottom feed. **IP56 suitability.**	**FW60100**
15° angle cast aluminum back box has corrosion-resistant gray finish and top hub with 1-1/2 in. NPT. 100A receptacles can be mounted directly to it.	**BB1001W**
Same as BB1001W except threaded top hub is 2 in. NPT.	**BB1002W**
15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1-1/2 in. NPT hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended). **IP57 suitability.**	**BB100N**
Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings.	**PC100**
Replacement lift cover assembly; includes cover, arm and assembly tool.	**CA100**
Replacement locking ring and cord clamp.	**CC100**
Replacement locking ring only.	**LR100**

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.

Product Dimensions



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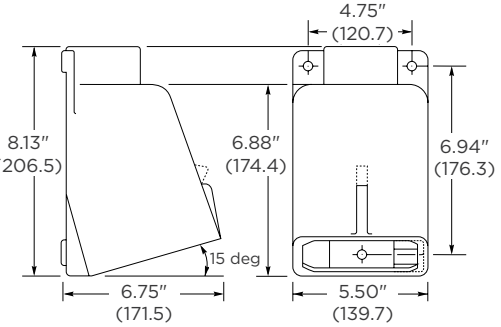


BB1001W, BB1002W

Zytel® is a registered trademark of E.I. DuPont.
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
Dimensions in Inches (mm)



M4100P12



M4100R12



M4100C12



M4100B12R



M4100C12R



FW60100



BB1001W
BB1002W

HUBBELL
Wiring Device-Kellems

100A 3ØY 120/208V and 3ØY 277/480V Devices

Description	100A 125/250V AC	100A 3ØY 120/208V AC
Yellow Zytel® PBT watertight plug has gasketed locking ring to make plug/receptacle interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). **IP56 SUITABILITY.**	**M5100P9**	**M5100P7**
Gray PBT dockside receptacle has gasketed, spring-loaded cover. Closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers. Mounting screws and gasket included. **IP56 SUITABILITY.**	**M5100R9**	**M5100R7**
Yellow Zytel PBT watertight connector body for making plug to connector interface on extension cords or adapters. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: It cannot be mated to the shore power inlet. **IP56 SUITABILITY.**	**M5100C9**	**M5100C7**
Gray PBT shore power inlet has gasketed, spring-loaded cover which closes automatically when not in use and is watertight when securely fastened. Mounting holes are 4.88 in. (123.8) on centers and rear portion has 3.94 in. (100.0) diameter. Mounting screws and gasket included. **IP56 SUITABILITY.**	**M5100B9R**	**M5100B7R**
Yellow Zytel PBT watertight connector body has gasketed locking ring to make inlet/connector interface watertight. Cord grip range is 1.06–1.94 in. (26.9–49.3). Note: This device mates with shore power inlet only. **IP56 SUITABILITY.**	**M5100C9R**	**M5100C7R**

100A Back Boxes and Accessories

Description	Catalog Number
Back box for inlets and receptacles has 15° angle section which can be installed in any of 4 positions. Box is cast aluminum with corrosion-resistant gray alkyd-based enamel finish and 1-1/2 in. NPT hub which can be mounted for either top or bottom feed. **IP56 SUITABILITY.**	**FW60100**
15° angle cast aluminum back box has corrosion-resistant gray finish and top hub with 1-1/2 in. NPT. 100A receptacles can be mounted directly to it.	**BB1001W**
Same as BB1001W except threaded top hub is 2 in. NPT.	**BB1002W**
15° angle non-metallic back box, made of high-grade engineered thermoplastic Valox® to resist chemicals, abuse and U.V. rays. Has integral grounding plate, 1-1/2 in. NPT hub size and 120 cu. in. capacity (hub is not included - Raco part number 1706 is recommended). **IP57 SUITABILITY.**	**BB100N**
Closure Cap for 100A plugs and connector bodies that (do not have a cap attached) have locking rings.	**PC100**
Replacement lift cover assembly; includes cover, arm and assembly tool.	**CA100**
Replacement locking ring and cord clamp.	**CC100**
Replacement locking ring only.	**LR100**

Note: Periodic cleaning and lubrication (such as LPS-1® made by Holt Lloyd Corp.) of the pins and sleeves of these devices is necessary to enjoy years of optimal use.


M5100P9


M5100R9


M5100C9

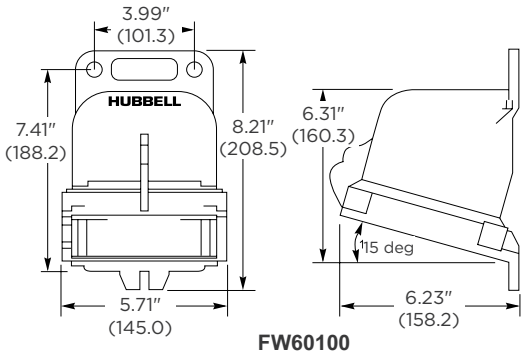

M5100B9R


M5100C9R

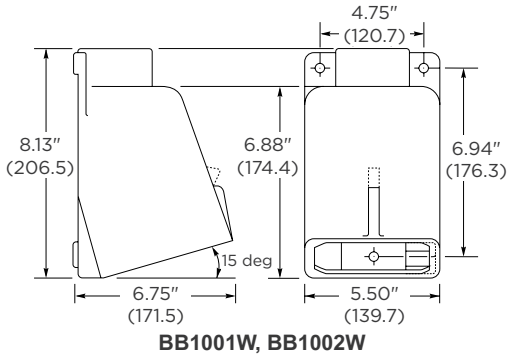

BB100N


PC100

Product Dimensions



FW60100



BB1001W, BB1002W

Zytel® is a registered trademark of E.I. DuPont.
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

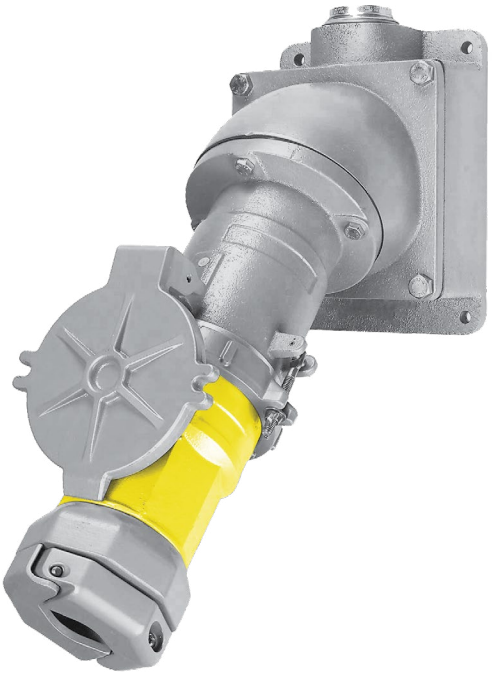
200A Pin and Sleeve Devices

Features and Benefits

Hubbell was the first to offer a UL Listed 100 amp Marine Ship-To-Shore System... and now, we are the first to offer a UL Listed 200 amp Marine Ship-To-Shore System.

The only 200 amp rated Ship-to-Shore System - built specifically for Mega-Yachts.

Hubbell 200 amp devices are listed to UL1682 and UL Classified for the mating and operation of 200 amp devices. Mates with Cooper® Crouse-Hinds® Arktite® or Appleton® Powertite® (when installed in accordance with instructions furnished with device).





Housing Design

- Pins and Sleeves are made of nickel-plated Tellurium copper for superior corrosion and heat resistance
- UL Listed and CSA Certified



Housing Design

- Housing is made of copper-free aluminum with an electrostatically applied epoxy/polyester finish
- Type 3, 4, 4X Rated per UL50 standard for superior water resistance



Interior Design

- Interchangeable with other "UL1686 Series C1" Listed devices
- Terminal screws feature swivel/ pressure pads to secure and prevent damage to conductors strands



Interior Design

- Interchangeable with other "UL1686 Series C1" Listed devices
- Terminal screws feature swivel/ pressure pads to secure and prevent damage to conductors strands



Exterior Design

- Cable clamp captures cable at four points, provides superior retention
- Accepts a cord range of #1 AWG – 250 MCM

Appleton® and Powertite® are registered trademarks of Appleton Electric Company.
Cooper Crouse-Hinds® and Arktite® are registered trademarks of Cooper Industries, Inc.
Dimensions in Inches (mm)

NEMA 4X

200A 600V AC/250V DC, 50-400 Hertz Pin and Sleeve Devices

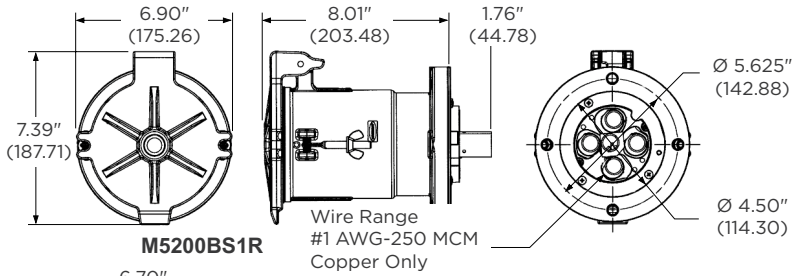
200A 600V AC/250V DC

Description	Catalog Number
Gray metallic, watertight boatside power inlet with wingnut-secured lid for water tightness when not in use.	M5200BS1R
Gray/yellow metallic, watertight boatside connector body with locking ring to make inlet/connector body interface watertight. Cord grip range is #1 AWG-250 MCM 1.00-2.50 in. (25.4-6.35).	M5200CS1R
Gray/yellow metallic, watertight dockside plug with locking ring to make plug/receptacle interface watertight. Cord grip range is #1 AWG-250 MCM 1.00-2.50 in. (25.4-6.35).	M5200PS1
Gray metallic, watertight dockside receptacle with wing nut-secured lid for water tightness when not in use.	M5200RS1
Gray/yellow metallic, watertight dockside connector body with wing nut-secured lid for water tightness when not in use. For making plug/connector body interface on extension cords or adapters.	M5200CS1

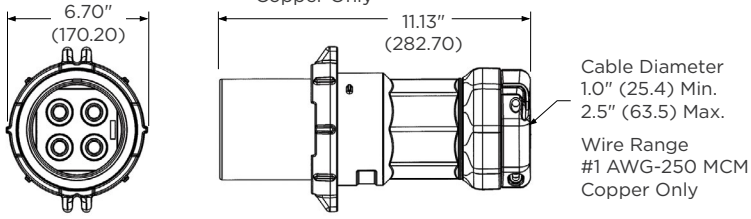
200A Back Boxes

Description	Catalog Number
Gray metallic back box for inlets and receptacles has 45° angle section which can be installed in any of 4 positions, 2 in. NPT hub.	MB2003W
Gray metallic back box – same as above, but with 2-1/2 in. NPT hub.	MB2004W

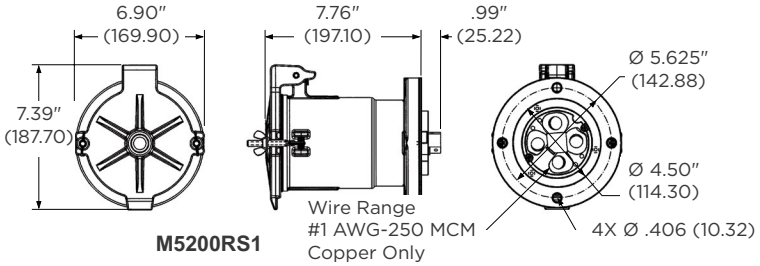
Product Dimensions



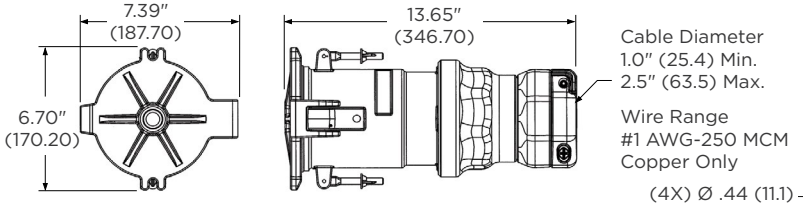
M5200BS1R



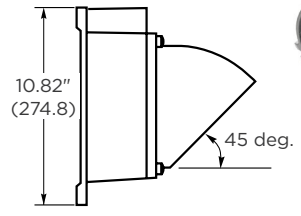
M5200CS1R, M5200PS1

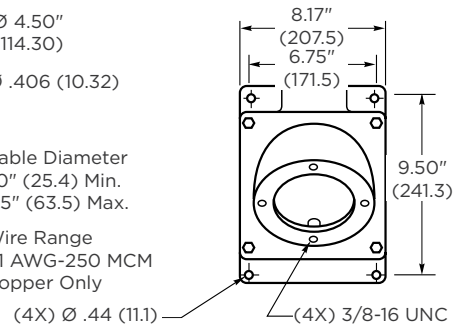


M5200RS1



M5200CS1





MB2003W



M5200BS1R



M5200CS1R



M5200PS1



M5200RS1



M5200CS1



MB2003W

Dimensions in Inches (mm)

Internationally Rated Conventional-Styled Devices

Features and Benefits

Hubbell offers the only CE certified electrical shore power system truly dedicated for boats destined for Europe and the International community. Hubbell's offering of international shore power inlets are available in traditional #316 stainless steel and attractive white non-metallic types resembling our domestic offering in style and appearance but are not interchangeable with the domestic shore power system.

Utilizing standard NEMA (National Electrical Manufacturer's Association) configurations not typically used in the marine market, Hubbell can offer a safe and non-interchangeable 16 amp 230 volt system and 32 amp 230 volt system for use with 50 cycle systems. The system includes white power supply cables (one-end, female only) in both the 16 amp and 32 amp categories.

Hubbell also offers a series of Internationally Rated Pin and Sleeve Devices, available in 16A, 32A and 63A 240V, these devices are interchangeable with other manufactures of UL1686 C1 devices.

IP66 SUITABILITY

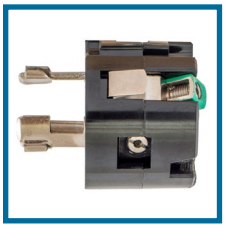
UL Classified to IEC 60309-1 and 60309-2





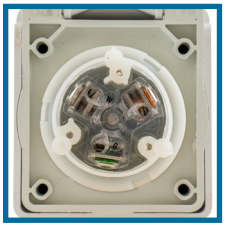
Housing Design

- Base and cover are #316 type stainless steel for strength and corrosion resistance
- Self-closing cover is friction tight to remain open while engaging cable set and shields the interior from the elements when the inleet is not in use



Interior Design

- Contact blades are nickel plated brass for corrosion resistance
- Watertight seal when in use, threaded base mates to the threaded ring of the watertight cover on the connector body; when not in use, it mates to the threaded cover



Housing Design

- White Centrex® cover and PBT base, weatherproof when closed
- Easy to wire polycarbonate interior is heat resistant and clear for visual inspection (16 amp and 32 amp)



Terminations (63 Amp)

- Contact carrier is arcing and heat resistant
- Three screws "lock-in" the interior once it is in place
- Rear enclosure is nickel plated for corrosion resistance

Internationally Rated* Pin and Sleeve Devices, 2 Pole Plus Earth (⏚)
***Now Dual-Rated to match North American Configurations as well as International**

Description	16A / 20A	30A / 32A	60A / 63A
	220-240V / 250V		
Shore power inlet with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion.	HBL320B6W	HBL330B6W	HBL360B6W
Connector body with cord grip range of .36–.83 in. (9.1-21.1).	HBL320C6W	HBL330C6W	HBL360C6W
Shore power receptacle with mounting holes 3.13 in. (79.3) on centers and 2.72 in. (69.1) diameter on rear portion.	HBL320R6W	HBL330R6W	HBL360R6W
Plug with cord grip range of .36–.83 in. (9.1-21.1).	HBL320P6W	HBL330P6W	HBL360P6W
Closure plug for inlets.	PC320**	PC3430**	PC60**
Back box for inlets and receptacles is cast aluminum with corrosion-resistant alkyd-based enamel finish and two 3/4 in. NPT hubs.	BB201W	BB301W	BB601W
Feed-thru box for inlets and receptacles is cast aluminum with corrosion-resistant alkyd-based enamel finish and one 3/4 in. NPT hubs.	FT202W	FT202W	FW60100

*Note: **Not CSA Certified.*



HBL320R6W



HBL320B6W



HBL320C6W



HBL320P6W

Centrex® is a registered trademark of LANXESS Corporation.
Dimensions in Inches (mm)

Twist-Lock® Devices, Ship-To-Shore Power System

Description	16A 230V	32A 230V, 50 Cycle
Non-metallic, white, stylized, UV resistant shore power inlet. White Centrex® cover makes the inlet weatherproof when closed. Mounting holes are 2.38 in. (60.3) on centers and match most existing mounting patterns. Rear enclosure strain/relief cap is provided. **IP55 suitability.**	HBL316NM	HBL332NM
Traditional, stainless steel shore power inlet has easy-to-wire terminations. Interior is transparent for quick and easy visual inspection. Interior is shielded from the elements by a gasketed, self-closing cover, watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. Protective rear enclosure/strain relief also included. **IP56 suitability.**	HBL316SSX	HBL332SSX
Yellow locking connector replacement end for HBL316CS25 and HBL316CS. **IP20 suitability.**	HBL316CRCX	HBL332CRCX
White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. **IP56 suitability.**	HBL60CM33W	HBL60CM33W
White Seal-Tite® cover with threaded sealing ring for use with HBL316CRC and HBL332CRC connector bodies. **IP56 suitability.**	HBL60CM33	HBL60CM33



HBL316NM
HBL332NM



HBL316SSX
HBL332SSX



HBL316CRCX
HBL332CRCX



HBL60CM33
HBL60CM33W



HBL363SSX



63A
230V

63A 230V Ship-To-Shore Power Systems

Description	Catalog Number
Traditional, stainless steel shore power inlet, including higher-quality metal threads, heat-resistant interior and box lug terminals. **IP56 suitability.**	HBL363SSX
Nickel plated brass plug with heat-resistant interior and box lug terminals cord grip range is .44 – 1.14 in. (11.1 - 29.0). **IP55 suitability.**	HBL363CRP
Nickel plated brass connector body with heat-resistant interior and box lug terminals. Cord grip range is .44 – 1.14 in. (11.1 - 29.0). **IP55 suitability.**	HBL363CRC
Single receptacle with heat-resistant base. **IP20 suitability.**	HBL363CRR
Yellow Seal-Tite® cover for connector bodies when used with 63A shore power inlets. Stainless steel threaded sealing ring makes connections watertight. **IP56 suitability.**	HBL77CM15
Same as HBL77CM15 except white in color.	HBL77CM15W
Yellow Seal-Tite® cover for 63A plugs. **IP55 suitability.**	HBL77CM16
Same as HBL77CM16 except white in color.	HBL77CM16W



HBL363CRP



HBL363CRC



HBL77CM15



HBL77CM16W



HBL363CRR

Centrex® is a registered trademark of LANXESS Corporation.

Dimensions in Inches (mm)

Intelligent Y Adapters

Features and Benefits

YQ230 - Safely powers a 50A 125/250V AC boat from two 30A 125V AC receptacles at dockside.*

Problem: A boat owner with one electrical system on board docks in a marina that can only provide a different electrical system.

Solution: Use of the Hubbell YQ series of Intelligent Adapters can correct many electrical system mismatches.

*Note: *The two 30 amp receptacles must be on separate phases to function.*



YQ230



Housing Design

- Rugged UV resistant high-impact housing
- Environmentally sealed against humidity, fog and rain
- Cord clamps prevent strain on terminals
- Sealing grommets keep moisture out



Safety

- Safety indicator light, (when ON, safe operation is indicated)
- 3 pole contactor breaks both hots and neutrals to prevent possibility of "live" plug when not engaged

Intelligent Y Adapters

Description	Catalog Number
Adapter that permits use of 50A 125/250V AC cable set. (HBL61CM52), with two 30A 125V AC receptacles, HBL26CM10.	YQ230
Adapter that permits use of 100A 125/250V AC cable set. (CS754, CS1004) with one or two 50A 125/250V AC receptacles, HBL63CM69.	YQ100PLUS

Note: The YQ230 Adapter will only work with two 30A receptacles that are on different phases.
The YQ100PLUS Adapter must be plugged into two 50A 125/250V AC receptacles that are on the same phase to achieve 100 amp, 125/250 volts power —or the "A" leg 50A male can be plugged into a single 50A 125/250V AC receptacle to achieve 50 amp, 125/250 volts power.

Intelligent Y Adapters

YQ100PLUS - Safely powers a 100A 125/250V AC boat from two 50A 125/250V AC receptacles at dockside -or- from a single 50A 125/250V AC receptacle acting as a single adapter.

Internal logic senses that:

- Both plugs are fully engaged (i.e., one is not dangling loose while the other is plugged in) -or- the "A" leg plug is engaged to access a single 50A 125/250V receptacle
- The polarity of the receptacle on the dock is correct (i.e., no mis-wiring of the hot and neutral wires)
- The two receptacles are from correct phases

CAUTION: This adapter must be connected to an onboard, center-tapped isolation transformer or shore power converter. DO NOT USE this adapter if such a transformer or converter is not available.

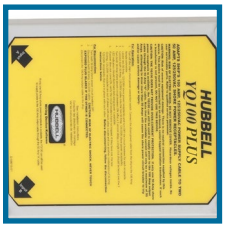


YQ100PLUS



Housing Design

- Rugged, smaller, lighter-weight enclosure
- Environmentally sealed against humidity, fog and rain
- Sealing grommets keep moisture out



Safety

- Indicator lights indicate correct polarity and safe operation
- "A" leg for accessing a single 50A 125/250V receptacle

Features and Benefits

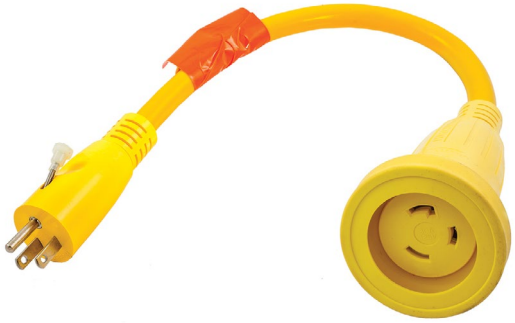
Hubbell Straight Adapters (pigtails) and "Y" Adapters are built to the same standards as all Hubbell Shore Power Cords.

Filled with end-to-end features and weathertight when mated with Hubbell shore cords without the need for extra collars, etc.

Hubbell Marine Adapters deliver the power you need.

- Available in a variety of configurations
- Now CSA Compliant

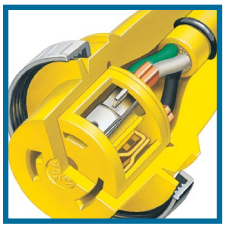






Housing Design

- Fully molded fittings (except 100A) for superior waterproofing and durability
- Hubbell adapters are weatherproof when mated with Hubbell cable sets



Interior Design

- Terminations utilize exclusive copper crimp barrel terminations, holds over 300% more securely
- Bull ring for strain relief on the terminals
- Nickel plated brass contact blades for corrosion-resistance



Safety

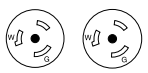
- Provides 15 amp convenience power with GFCI protection
- Manual reset button
- High impact PVC housing, UV stabilized
- Sealed GFCI housing and keypad
- Large LED power "ON" light



Cord Flexibility

- Molded-in flex feature controls the angle of cord entry and keeps water out
- Jute fillers inside jacket for maximum cable flexibility; Hubbell cable coils neater, lighter and lays flatter

Adapter Selection Guide

Boat/Cable Set Side Connector Body (Female End)	Molded Straight Adapters			Power Center/Dock Side Plug (Male End)
15A 125V, 2P 3W Straight Blade with GFCI protection		**HBL105GF**		30A 125V, 2P 3W Twist-Lock®
30A 125V, 2P 3W Twist-Lock		**HBL61CM22** **HBL61CM22W**		15A 125V, 2P 3W Straight Blade (lock type)
50A 125V, 2P 3W Twist-Lock		**HBL61CM54**		15A 125V, 2P 3W Straight Blade
30A 125V, 2P 3W Twist-Lock		**HBL61CM55**		50A 125V, 2P 3W Twist-Lock
50A 125V, 2P 3W Twist-Lock		**HBL61CM56**		30A 125V, 2P 3W Twist-Lock
30A 125V, 2P 3W Twist-Lock		**HBL61CM71**		50A 125/250V, 3P 4W Twist-Lock
50A 125V, 2P 3W Twist-Lock		**HBL61CM72**		50A 125/250V, 3P 4W Twist-Lock
100A 125/250V, 3P 4W Pin and Sleeve		**HBL61CM100**		50A 125/250V, 3P 4W Twist-Lock
Molded Y Adapters				
(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM54**		50A 125/250V, 3P 4W Twist-Lock
(2) 50A 125V, 2P 3W Twist-Lock		**HBL64CM55**		50A 125/250V, 3P 4W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM56**		30A 125V, 2P 3W Twist-Lock
(2) 30A 125V, 2P 3W Twist-Lock		**HBL64CM57**		50A 125V, 2P 3W Twist-Lock
One Piece Adapters				
30A 125V, 2P 3W Twist-Lock		**HBL31CM28**		15A 125V, 2P 3W Straight Blade
15 or 20A 125V, 2P 3W Straight Blade		**HBL31CM29**		30A 125V, 2P 3W Twist-Lock
20A 125V, 2P 3W Twist-Lock		**HBL21CM28**		15A 125V, 2P 3W Straight Blade
15 or 20A 125V, 2P 3W Straight Blade		**HBL21CM29**		20A 125V, 2P 3W Twist-Lock

Note: See page CC-27 for features and benefits.
See page CC-29 for photographs and descriptions.

Molded Straight Adapters — Now CSA Compliant

Description	Catalog Number
Permits use of 20A 125V Twist-Lock® locking type plug with 15 or 20A 125V straight blade receptacle. **IP20 suitability.**	**HBL21CM28***
Permits use of 15A or 20A 125V straight blade plug with 20A 125V Twist-Lock locking type receptacle. **IP20 suitability.**	**HBL21CM29***
Permits use of 30A 125V Twist-Lock locking type plug with 15 or 20A 125V straight blade receptacle. **IP20 suitability.**	**HBL31CM28**
Permits use of 15A or 20A 125V straight blade plug with 30A 125V Twist-Lock locking type receptacle. **IP20 suitability.**	**HBL31CM29**
Permits use of 30A 125V cable set, HBL61CM08 with 15 or 20A 125V straight blade receptacle. Anchor locking screw on plug when screwed down resists pullout of the cable set. **IP55 suitability** (Connector).	**HBL61CM22**
Same as HBL61CM22, except white.	**HBL61CM22W**
Permits use of 50A 125V cable set, HBL61CM53 with 15 or 20A 125V straight blade receptacle. **IP55 suitability** (Connector).	**HBL61CM54**
Permits use of 30A 125V cable set, HBL61CM08 with 50A 125V Twist-Lock receptacle, HBL63CM70. **IP55 suitability** (Connector).	**HBL61CM55**
Permits use of 50A 125V cable set, HBL61CM53 with 30A 125V Twist-Lock receptacle, HBL26CM10. **IP55 suitability** (Connector).	**HBL61CM56**
Permits use of 30A 125V cable set, HBL61CM08 with 50A 125/250V Twist-Lock receptacle, HBL63CM69. **IP55 suitability** (Connector).	**HBL61CM71*****
Permits use of 50A 125V cable set, HBL61CM53 with 50A 125/250V Twist-Lock receptacle, HBL63CM69. **IP55 suitability** (Connector).	**HBL61CM72*****
Permits use of 15A 125V 3 wire straight blade plug with 15 or 20A 125V 2 wire straight blade receptacle. **IP55 suitability** (Connector).	**HBL5273L***
Permits a 100A 125/250V cable set to plug into a single 50A 125/250V outlet. **IP55 suitability** (Connector).	**HBL61CM100****
Permits use of 15A straight blade plug with 30A 125V Twist-Lock receptacle; with GFCI protection. **IP55 suitability** (Plug).	**HBL105GF****


HBL31CM28


HBL21CM29


HBL61CM22


HBL61CM56


HBL61CM100


HBL105GF

Molded Y Adapters — Now CSA Compliant

Description	Catalog Number
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125/250V receptacle, HBL63CM69. **IP55 suitability** (Connectors).	**HBL64CM54**
Permits use of two 50A 125V cables sets, HBL61CM53, with one 50A 125/250V receptacle, HBL63CM69. **IP55 suitability** (Connectors).	**HBL64CM55**
Permits use of two 30A 125V cable sets, HBL61CM08, with one 30A 125V receptacle, HBL26CM10. **IP55 suitability** (Connectors).	**HBL64CM56**
Permits use of two 30A 125V cable sets, HBL61CM08, with one 50A 125V receptacle, HBL63CM70. **IP55 suitability** (Connectors).	**HBL64CM57****

*Note: *UL Listed.*
***Not CSA Certified.*
****The male plug end (50A 125/250V) has a blade removed and the blade slot filled with epoxy. Omitting the blade ensures achieving 125V safely. Adapters do not provide overcurrent protection and do not provide GFCI protection except HBL105GF.*


HBL64CM54


HBL64CM55


HBL64CM56


HBL64CM57

Dimensions in Inches (mm)

Marine Isolation Transformers

Features and Benefits

Hubbell Isolation Transformers can protect your vessel's sensitive electronic equipment from damaging electrical spikes or surges. These transformers will also convert various dockside power systems to the 120/240 volt power required to operate all of the equipment on board.

And most importantly, Hubbell Isolation Transformers greatly reduce the possibility of stray current leaking from your boat's electrical system into the water, which could otherwise result in Electrical Shock Drowning (ESD) or electrocution.

ABYC Compliant via Isolation installation method, installation via Polarization method also available.

Available Options:

- Available in White Powder Coated Steel or #316 Stainless Steel Housing
- 15 kVA and 25 kVA Models
- 60 Hz and 50/60 Hz Models
- 12.5% Taps



Standard White Powder Coated Steel Housing

Constant Clean Safe Power



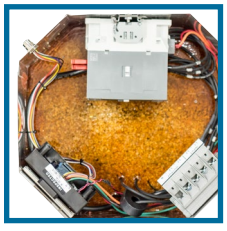
Housing Design

- Available in #316 stainless steel or white powder coated steel finish
- Compact size and weight



Exterior Design

1. Easy access wiring chamber/drip lid
2. 2 Auto boost connector
3. 3 1" and 1-1/2" knockouts
4. 4 Weep holes



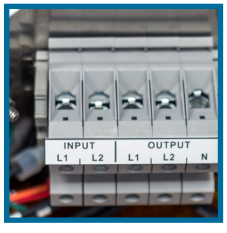
Neatly Routed Wiring Chamber (Top view with cover removed)

- Easy access wiring chamber
- Pre-wired for 120/240 volt pplicationsSealing grommets keep moisture out



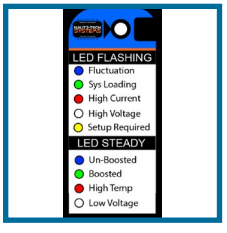
Safety/Installation

- Mounting brackets
- Vibration resistant



Interior Design

- Main module cleanly mounted in easy access wiring chamber
- High-quality terminal block for wire management
- Sand-filled and epoxy topped
- Auto-boost/remote cable receptacle



Auto-Boost Unit

- Auto boost will engage when voltage at the dock is at or below 210 volts. Max boost of 12.5% of the input voltage. Unit monitors voltage and does not allow for an over voltage
- LED Indicator to identify the system status

Marine Isolation Transformers

15 kVA and 25 kVA Models

- Protects Sensitive Equipment on Board
- Virtually Eliminates Potential for In-Water Stray Current
- Can be wired per ABYC E-11 for either a Polarization or Isolation Transformer system
- See website for additional specifications, weights, and dimensions



Constant Clean Safe Power

Isolation Transformers

Description	Color	Catalog Number	
		60 Hz	50/60HZ
15 kVA isolation transformer.	White powder coated steel	**HBL50AITW**	**HBLINTL50AITW**
15 kVA isolation transformer.	#316 Stainless steel	**HBL50AITSS**	**HBLINTL50AITSS**
15 kVA isolation transformer with auto-boost.	#316 Stainless steel	**HBL50AITSSB**	**HBLINTL50AITSSB**
15 kVA isolation transformer with auto-boost, 120/240 input.	#316 Stainless steel	—	**HBLINTL50AITSSBN**
25 kVA isolation transformer.	White powder coated steel	**HBL100AITW**	—
25 kVA isolation transformer.	#316 Stainless steel	**HBL100AITSS**	—
25 kVA isolation transformer with auto-boost.	#316 Stainless steel	**HBL100AITSSB**	—

Recommended Seal-tite® Cord Connectors

- For input and output cables
- Straight connectors for 1 and 1-1/2 inch KOs

Cord Connectors

Description	NPT Hub Size	Cord Diameter Inches (mm)		Form Size	Cast Aluminum Catalog Number
Straight male connectors.	1	1.13"-1.25"	(28.6-31.7)	F5	**SHC1048***
	1-1/2	1.25"-1.38"	(31.7-34.9)	F5	**SHC1059**
	1-1/2	1.38"-1.50"	(34.9-38.1)	F6	**SHC1061**

*Note: *Cable jacket may have to be stripped to pass through connector body.*



Dimensions in Inches (mm)

Telephone and Cable TV Ship-to-Shore Devices

Description	Catalog Number
Stylized non-metallic inlet provides telephone and cable TV connections in one unit. UV resistant white Centrex® cover makes unit weatherproof when completely closed. Mounting holes are 2.38 in. (60.3) on centers and match existing mounting patterns. Mounting screws and gasket provided. **IP55 suitability.**	**HBLPHTVNM**
Traditional stainless steel inlet provides connections for telephone and cable TV in one unit. Connections can be used individually or together. Gasketed cover is self-closing so interior is shielded from the elements when not in use. Watertight when cover is screwed in place. Mounting holes are 2.38 in. (60.3) on centers. Mounting screws and gasket included. **IP56 suitability.**	**HBLPHTVSS**
Same as HBLPHTVSS above except no phone.	**HBLTVSS**
Replacement int. for PH6594TV and HBLPHTVSS series inlets.	**CR16914**
Black locking type plug for telephone cable sets or adapters.	**PH6625**
Black locking type connector body used on telephone cable sets or adapters.	**PH6624**
Yellow Seal-Tite cover for weatherproofing PH6624 connector body when used on extension cords or adapters. **IP55 suitability.**	**PH7499**
Factory pre-wired 50 ft. (15.2m) telephone cable set. Uses 3 conductor, #16 AWG type SJTO, yellow vinyl cord for marine and recreational vehicle applications. **IP20 suitability.**	**PH6599**


HBLPHTVNM


HBLPHTVSS


HBLTVSS


PH6599


PH6625


PH6624

Centrex® is a registered trademark of LANXESS Corporation.
Dimensions in Inches (mm)

Telephone and Cable TV Ship-to-Shore Devices

Description	Catalog Number
Black polycarbonate cable TV outlet has coax connector and gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes in both marinas and RV parks. **IP20 suitability.**	**TV97**
Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Designed for mounting to FS/FD type weatherproof boxes in both marinas and RV parks. **IP20 suitability.**	**PH6597**
Black polycarbonate telephone outlet has gasketed, spring-loaded lift cover for weatherproofing. Can be used to retrofit old style telephone outlets of Pauluhn Manufacturing Company (2833 and 2843) in both marinas and RV parks. **IP20 suitability.**	**PH6596**
Black polycarbonate RV inlet for telephone connection only. Has spring-loaded, gasketed weatherproof lift cover designed for mounting to FS/FD type weatherproof boxes. **IP20 suitability.**	**PH6595**
50 ft. (15.2m) yellow jacketed ship-to-shore TV cable set is the industry standard 75 Ohm, RG59-U with male plugs on both ends. Adapter included for a quick, slip-on connection to inlet on boat.	**TV99**
Same as TV99 except 25 ft. (7.6m) in length.	**TV98**



TV97



PH6597



PH6596



PH6595



TV99
TV98

Dimensions in Inches (mm)

Electric Fishing Reel Devices

Hubbell has a DC rated electrical system designed specifically for larger electric fishing reel systems. Up until now, larger electric fishing reel systems typically utilized conventional 30 Amp AC rated devices since an appropriately rated DC system was not available.

The system features a corrosion-resistant plug, connector body and receptacle and can be used along with a Hubbell outlet box and weatherproof cover plate to complete the installation. These devices are all rated at 28 Volt DC and applicable for all 12, 24 and 32 Volt DC fishing reel systems. The devices are UL Listed and CSA Certified. All devices are made of high-visibility yellow nylon that is impact resistant and UV stabilized for longer life. Also, the contacts are nickel plated for corrosion resistance.



30A 28V DC Rated Devices

Description	Catalog Number
Yellow locking single receptacle with abuse-resistant face. Can be mounted in Hubbell box HBL6083 and used wit HBL74CM25WOA weatherproof plate.	HBL328DCR
Same as HBL328DCR except white in color.	HBL328DCRW
Yellow locking plug has rugged nylon housing and rear dust seal to keep dust and foreign matter out.	HBL328DCP
Same as HBL328DCP except white in color.	HBL328DCPW
Yellow locking connector body has rugged, nylon housing and rear dust seal to keep dust and foreign matter out.	HBL328DCC



HBL328DCR



HBL328DCP



HBL328DCC

Accessories

Description	Catalog Number
Gray, high-impact thermoplastic FD (deep) weatherproof box with 3/4 in. (19.1) NPT threaded hub, with 30 cubic inch capacity.	HBL6083
Same as HBL6083 except yellow in color.	HBL60CM83A
Same as HBL6083 except white in color.	HBL60CM83WA
Spring-loaded lift cover, for weatherproofing HBL328DCR outlet. Yellow in color.	HBL74CM25WOA
Same as HBL74CM25WOAW except white in color.	HBL74CM25WOAW
Same as HBL74CM25WOAW except gray in color.	HBL7425WOA

Note: See page CC-50 for 55° angle adapters and additional accessories.

Improved Design



HBL74CM25WOA



HBL74CM25WOAW



HBL60CM83A

Dimensions in Inches (mm)

Chart Key



M11SP



M11LRGSP



M11LTR



MR11SP



MR123LRSP

1. Toggle switch

Fits panels up to 1/4 in. thick when not using the back-up nut provided; fits panels up to 3/16 in. thick when using the back-up nut. Requires a 1/2 in. mounting hole.

2. Lighted toggle switch

Built-in pilot light (R=red, G=green) for night vision. Same panel specs as 1.

3. Lighted-tip toggle switch

Red pilot light visible in tip of toggle only. Same panel specs as 1.

4. Rocker switch

Requires a 1-1/2 in. high x 7/8 in. wide rectangular opening.

5. Lighted rocker switch

Built-in pilot light for night vision. Same panel specs as 4.

Panel Mount Toggle and Rocker Switches

Description	Typical Applications	Key	Catalog Number
Single pole, single throw, ON/OFF.	Lights, bilge blower, bilge pump(s), accessories.	1 2 2 3 4 5	**M11SP** **M11LRSP** **M11LRGSP** **M11LTR** **MR11SP** **MR11LRSP**
Single pole, single throw, ON/OFF/ON.	Horn, starter, winches, gauges.		**M11MSP** **MR11MSP**
Single pole, double throw, ON/OFF/ON.	Bilge pumps, speed selector, lights, navigation lights.		**M123SP** **M123LTR** **MR123SP** **MR123LRSP**
Single pole, double throw, Momentary ON/OFF/ON.	Bilge pumps.	1 4	**M123MSP** **MR123MSP**
Single pole, double throw. Momentary ON/OFF/Momentary ON.	Trim Tabs.	1 4	**M123MMSP** **MR123MMSP**
Double pole, single throw, ON/OFF.	Lights, accessories.	1 4	**M21SP** **MR21SP**
Double pole, double throw, ON/OFF/ON.	Navigation lights, wipers, dual fuel tanks.	1 4	**M223SP** **MR223SP**
Double pole, double throw, ON/OFF/ON (with jumper).	Navigation lights, windlass.	1	**M223JSP**
Double pole, double throw. Momentary ON/OFF/Momentary ON.	Winches, trim tabs, dual fuel tanks.	1 4	**M223MMSP** **MR223MMSP**
Black silicone rubber boot bonded to brass nut.	Provides positive seal against moisture, oil, etc. Fits any non-lighted toggle switch.		**MSB1**
Push-button horn switch with 15/32 in. long nickel plated brass mounting stem. Terminals are .25 in. spade.	For remote operation of horn.		**MH11**
Black push-button (horn) boot.	Fits MH11 horn switch.		**MHB11**



M11SP



MR11SP



M21SP



M223SP



MSB1



MH11



MHB11

Dimensions in Inches (mm)

15 Amp Twist-Lock® Devices and Accessories



15A 125V
NEMA 5-15R
UL/CSA

15A 125V AC Twist-Lock Devices

Description	Catalog Number
Yellow duplex receptacle has heat resistant body. **IP20 suitability.**	HBL47CM00
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 suitability.**	HBL47CM20C
Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .30–.69 in. (7.5–17.4) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 suitability.**	HBL47CM29C
Panel mount flanged outlet has heat resistant melamine interior and stainless steel casing. **IP20 suitability.**	HBL47CM15
Panel mount flanged inlet has heat resistant melamine interior and stainless steel casing. **IP20 suitability.**	HBL47CM16



HBL47CM00



HBL47CM20C

Accessories

Description	Catalog Number
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 suitability.**	HBL52CM21
Same as HBL52CM21 except white in color	HBL52CM21W
Same as HBL52CM21 except gray in color.	HBL5221
Same as HBL52CM21 except for mounting to standard boxes.	HBL52CM22
Same as HBL52CM22 except gray in color.	HBL5222
Short yellow Seal-Tite® cover for weatherproofing HBL47CM20C Insulgrip plug when used with receptacles or connector bodies. Also can be used to weatherproof HBL47CM29C Insulgrip connector body when used with HBL47CM16 flanged inlet. **IP44 suitability.**	HBL60CM23*
Yellow Seal-Tite cover for weatherproofing HBL47CM29C Insulgrip connector body when used on extension cords and adapters. **IP20 suitability.**	HBL60CM24*

*Note: *Not UL Listed or CSA Certified.*



HBL47CM29C



HBL47CM15



HBL60CM23



HBL60CM24



HBL52CM21W



HBL47CM16

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.
Dimensions in Inches (mm)



15A 125V
NEMA 5-15R
UL/CSA

15A 125V AC Straight Blade Devices

Description	Catalog Number
Yellow corrosion-resistant/weather resistant duplex receptacle. Use outdoors or where salt and other corrosive materials are a problem. Accepts 15A 125V, 2 pole 3 wire straight blade plugs. **IP20 suitability.**	HBL52CM62
Same as HBL52CM62 except ivory in color.	HBL52CM62I
Single version of HBL52CM62 duplex yellow receptacle. **IP20 suitability.**	HBL52CM61
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief. **IP20 suitability.**	HBL52CM66C
Yellow Insulgrip connector body has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes a unique offset jaws arrangement for secure strain relief. **IP20 suitability.**	HBL52CM69C
Yellow Valise® plug has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8). **IP20 suitability.**	HBL52CM66V
Yellow Valise connector body has one-piece nylon housing that assembles easily with two screws. Built-in cord grip has range of .22–.66 in. (5.6–16.8). **IP20 suitability.**	HBL52CM69V
Yellow Insulgrip plug with anchor locking screw to prevent accidental pull-out. The plug is "locked" into the receptacle when the screw is turned down so the head is flush with the plug surface. The cord grip range is .30–.69 in. (7.5–17.4). UL Recognized Component. **IP20 suitability.**	HBL52CM80C
Compact gray nylon panel mount inlet ideal for bass boat battery charging connection. Has gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Will accept both 15A 125V and 20A 125V, 2 pole 3 wire straight blade connector bodies. **IP44 suitability.**	HBL61CM64
Same as HBL61CM64 except black in color.	HBL61CM64BK

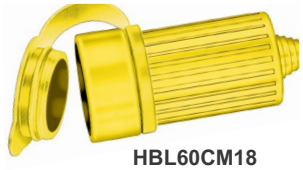
Note: See page Tech-10 for Weather Resistant description.

Accessories

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip plugs, HBL52CM66C and HBL53CM66C, when used with receptacles and connector bodies. Can also be used to weatherproof Insulgrip connector bodies when mating with flanged inlets. I**P44 suitability**. Note: For Insulgrip devices only.	HBL60CM17*
Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. **IP55 suitability.** Note: For Insulgrip devices only.	HBL60CM18*
Yellow Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 suitability.**	HBL52CM21
Same as HBL52CM21 except gray in color.	HBL5221
Same as HBL52CM21 except for mounting to standard boxes.	HBL52CM22
Same as HBL52CM22 except gray in color.	HBL5222
Yellow Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 suitability.**	HBL74CM23WO
Same as HBL74CM23WO except gray in color.	HBL7423WO

*Note: *Not UL Listed or CSA Certified.*


HBL60CM17


HBL60CM18
HBL60CM19


HBL52CM21


HBL74CM23WO


HBL52CM62


HBL52CM61


HBL52CM66C


HBL52CM69C


HBL52CM80C


HBL52CM66V


HBL52CM69V


HBL61CM64

Dimensions in Inches (mm)

Rynite® is a registered trademark of E. I. DuPont.
Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

20 Amp Twist-Lock® Devices and Accessories

20A 125V
NEMA L5-20R
UL/CSA

Plugs, receptacles and connectors only.

20A 125V Twist-Lock Devices

Description	Catalog Number
Yellow single receptacle has Rynite® body and abuse resistant nylon face. **IP20 suitability.**	HBL23CM10
Yellow Insulgrip® plug has rugged nylon housing and cord grip with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 suitability.**	HBL23CM11
Yellow Insulgrip connector body has rugged nylon housing and cord with range of .36–.93 in. (9–24) that utilizes a unique offset jaws arrangement to provide secure strain relief. **IP20 suitability.**	HBL23CM13
Yellow Valise® plug has one-piece nylon housing, assembles easily with two screws. Built-in cord grip has range of .33–.72 in. (8.3–18.2). **IP20 suitability.**	HBL23CM11V



HBL23CM10



HBL23CM11

Accessories

Description	Catalog Number
Yellow polycarbonate spring-loaded lift cover for weather-proofing HBL23CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 suitability.**	HBL74CM25WOA
Same as HBL74CM25WOA except gray in color.	HBL7425WOA
Same as HBL74CM25WOA except white in color.	HBL74CM25WOAW
Yellow Seal-Tite® cover for weatherproofing HBL26CM11 or HBL23CM11 plugs. **IP44 suitability.** Note: Fits Insulgrip devices only.	HBL60CM31*
Same as HBL60CM31 except white in color.	HBL60CM31W*
Yellow Seal-Tite cover for weatherproofing HBL26CM13 or HBL23CM13 connector bodies when used on extension cords or adapters. **IP44 suitability.** Note: Fits Insulgrip devices only.	HBL60CM32*
Yellow vinyl Seal-Tite cover for weatherproofing HBL23CM13V or HBL26CM13V connector bodies. I**P44 suitability.** Note: Fits Valise® devices only.	HBL60CM32V*
Yellow Seal-Tite cover for weatherproofing HBL23CM11V or HBL26CM11V plugs. **IP44 suitability.** Note: Fits Valise devices only.	HBL60CM31V*

*Note: *Not UL Listed or CSA Certified.*



HBL23CM13



HBL23CM11V



HBL60CM31



HBL60CM32



HBL60CM32V



HBL74CM25WOA



HBL60CM31V

Rynite® is a registered trademark of E. I. DuPont.
Dimensions in Inches (mm)

20A 125V AC Straight Blade Devices

20A 125V
NEMA L5-20R
UL/CSA

Description	Catalog Number
Yellow corrosion-resistant/weather resistant duplex receptacle. Use outdoors or where salt and other corrosive materials are a problem. Accepts both 20A 125V and 15A 125V, 2 pole 3 wire straight blade plugs. **IP20 suitability.**	HBL53CM62
Single version of HBL53CM62 duplex yellow receptacle. **IP20 suitability.**	HBL53CM61
Yellow Insulgrip® plug has rugged nylon housing and detachable cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement to provide secure strain relief. **IP20 suitability.**	HBL53CM66C
Yellow Insulgrip connector body has rugged nylon housing and cord grip with range of .23–.72 in. (5.8–18.3) that utilizes unique offset jaws arrangement for secure strain relief. **IP20 suitability.**	HBL53CM69C
Compact gray nylon panel mount outlet ideal for electric trolling motors and reel applications. Features gasketed spring-loaded lift cover for weatherproofing front and neoprene boot for weatherproofing rear. Accepts both 20A 125V and 15A 125V, 2 pole 3 wire straight blade plugs. **IP44 suitability.**	HBL61CM65

Note: See page Tech-10 for Weather Resistant description.


HBL53CM62


HBL53CM61


HBL53CM66C


HBL53CM69C

Accessories

Description	Catalog Number
Yellow Seal-Tite® cover for weatherproofing straight blade Insulgrip plugs, HBL52CM66C and HBL53CM66C, when used to mate receptacles and connector bodies. Can also be used with Insulgrip connector bodies when mating with flanged inlets. **IP44 suitability.** Note: For Insulgrip devices only.	HBL60CM17*
Yellow Seal-Tite cover for weatherproofing straight blade Insulgrip connector bodies, HBL52CM69C and HBL53CM69C, on extension cords and adapters. **IP55 suitability.** Note: For Insulgrip devices only.	HBL60CM18*
Yellow closure plug used with HBL60CM18 long Seal-Tite cover to prevent water from entering front of device when not in use. **IP55 suitability.**	HBL60CM19*
Yellow polycarbonate spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 suitability**. Not CSA certified.	HBL52CM21
Same as HBL52CM21 except white in color.	HBL52CM21W
Same as HBL52CM21 except gray in color.	HBL5221
Same as HBL52CM21 except for mounting to standard boxes.	HBL52CM22
Same as HBL52CM22 except gray in color.	HBL5222
Yellow polycarbonate spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. IP44 suitability. Not CSA certified.	HBL74CM23WO
Same as HBL74CM23WO except gray in color.	HBL7423WO

*Note: *Not UL Listed or CSA Certified.*


HBL52CM66V


HBL52CM69V


HBL61CM65


HBL7423WO


HBL60CM17


HBL52CM21


HBL52CM21W


HBL74CM23WO

Dimensions in Inches (mm)

Hubbell Twist-Lock® Circuit Tester

The Hubbell Twist-Lock Tester is an exclusive patented design that easily tests the circuit condition without the need for traditional measurement techniques. Whether it is a boater, marina operator or electrician, knowing that power is present at any receptacle or connector is critical. By plugging the tester into an outlet, an LED output will immediately provide the state of the circuit.

An easy to read card is provided with the tester, to help determine if the connections are made properly and in the correct position. This unique NEMA configuration ensures that the proper connection was made through an easy to read output display. It also easily attaches to a tool belt so it is available when needed.



For testing the wiring condition of receptacles and connectors;

- Quickly diagnose mis-wiring situation or application
- Great for dark, difficult to reach spaces
- No measurement readings to interpret
- Easy to read LED output and condition tables
- Insulgrip® nylon housing for secure gripping
- Carabiner style clip to secure to work belt
- UL 1436 Listed

Hubbell Twist-Lock® Circuit Tester

Description	Catalog Number
Styled and sized like a standard Hubbell Twist-Lock® Plug. Simply plug it in and the LED back panel immediately identifies if the connections are made correctly and are in the correct position, ensuring the device is wired properly. An easy to read card is provided with the tester, to help determine if the connections are correct. This tester is compact and can easily clip onto your tool belt. The Hubbell Circuit Tester is UL and C-UL Listed.	HBLT26CM11



HBLT26CM11

Additional Testers

Description	Catalog Number
This unit is designed to measure the trip level of GFCI portables, receptacles, or breakers within any range from 2 to 7 milliamperes, or the leakage in portable tools or appliances within a leakage range of 1 to 7 milliamperes. It can be used on any AC circuit of 110 to 130V.	GFT2G*
This outlet circuit tester has a simple arrangement of neon lights which visually indicate correct wiring, reversed polarity, open ground wire, open neutral wire, open hot wire, hot and ground reversed and hot wire on neutral terminal and hot terminal unwired. Simply plug the HBL5200 into a single phase 125V 2 pole 3 wire outlet and the combination of lighted and/or unlighted lamps will immediately indicate the condition of the circuit. The instructions and symbol identification are printed on durable polyester labels permanently attached to the tester. To test other 2 pole 3 wire single phase 125V outlets, use one of the proper adapters shown on page CC-29.	HBL5200**

*Note: *Not UL Listed or CSA Certified.*
***Not CSA Certified.*



GFT2G



HBL5200

Dimensions in Inches (mm)

Features and Benefits

c UL us LISTED

Hubbell's new fast charging USB-C Power Delivery receptacles provide more power. Users can quickly charge laptops and other large devices. The USB-C port marked PD (Power Delivery) provides up to 55 Watt of output. The additional Type-C or Type A port delivers up to 1.5 Amp, 5 Volt, (7.5 Watt) of power.

More Ways to Charge Faster with Hubbell's line of USB Chargers, available in Type-C, Combination Type A&C or the legacy Type A, all with a USB high power output of 5 Amp 5 Volt DC. Hubbell's USB Charger Duplex Receptacle provides both USB and electrical power in a standard single gang opening. Designed to provide maximum charging for portable electronics, the USB ports are capable of charging two tablets simultaneously.

Hubbell's weather resistant USB charger receptacle offers a safe and reliable solution, conveniently expanding way to charge portable electronics. Now, being outdoors no longer means worrying about finding a charging source. Weather resistant receptacles comply with Section 406.9 of the National Electrical Code when used with covers.



Common Features

- LED ON to indicate USB and line voltage power available
- USB stainless steel ports rated for minimum 10,000 insertions and removals
- Complies with battery charging specification BC1.2
- Designed for commercial, industrial and home use
- Compatible with USB 1.1/2.0/3.0 devices, including Apple® products



USB-C Power Delivery Charger Receptacles

- Two Type-C or One Type A and One Type-C port configurations
- USB-C PD port (up to 20 Volt, 55 Watt output)
- 2nd USB-A or USB-C convenience port (up to 1.5 Amp, 5 Volt, 7.5 Watt output)
- Heavy duty spec grade
- Tamper resistant commercial grade duplex receptacle



Weather Resistant Type A&C USB Charger

- One Type A and one Type-C port configurations
- Meets Section 406.9 of NEC® with cover
- 5 Amp, 5 Volt USB output
- Power indicating green LED light
- Nickel plated brass contact blades for corrosion-resistance

Weather Resistant and Tamper-Resistant USB Charger Duplex Receptacles

Description	Color	15A 125V AC	20A 125V
Type A&C USB Charger receptacle, one Type A and one Type-C port configurations, high power 5 Amp, 5 Volt USB output, Tamper-Resistant USB ports rated 10,000 cycles; Commercial Grade.	Ivory Light Almond White	**USB15AC5IWR** **USB15AC5LAWR** **USB15AC5WWR**	**USB20AC5IWR** **USB20AC5LAWR** **USB20AC5WWR**

Note: Outdoor circuits should be GFCI protected per national and local electric codes. Also available in black, brown and gray. See page Tech-10 for Weather Resistant and Tamper-Resistant descriptions.



USB15AC5WWR

USB-C Power Delivery Charger Tamper Resistant Duplex Receptacles

Description	Color	15A 125V AC
Type-C USB Power Delivery Receptacle, two Type-C port configurations, one USB-C Power Delivery port with up to 55 Watt output and one USB Type-C convenience port with up to 1.5 Amp, 5 Volt output.	Ivory Light Almond White	**USB15CPDI** **USB15CPDLA** **USB15CPDW**
Type A/C USB Power Delivery Receptacle, one USB-C Power Delivery port with up to 55 Watt output and one USB Type A convenience port with up to 1.5 Amp, 5 Volt output.	Ivory Light Almond White	**USB15ACPDI** **USB15ACPDLA** **USB15ACPDW**

Note: Also available in black, brown and gray.



USB15ACPDW

Dimensions in Inches (mm)

Apple® is a registered trademark of Apple Inc.
NEC® is a registered trademark of the The National Electrical Code.

GFCI and Portable Ground Fault Circuit Interrupters

The American Boat and Yacht Council recommends the use of ground fault protected receptacles in a head, galley, machinery space or on a weather deck. Refer to ABYC "Ground Fault Protection" on page CC-52.

New Hubbell Weather Resistant and Extra Heavy Duty Corrosion Resistant Weather Resistant and Tamper-Resistant Ground Fault Receptacles

Hubbell now offers a Ground Fault Receptacle for every application. Hubbell's GFCI offering, with patented self-test technology, continually tests and monitors itself to insure proper functioning.

Hubbell's GFCI Receptacle line-up now includes:

- Standard Commercial Series; for typical standard use
- Weather Resistant Series; meets NEC® requirements for weather resistance, UV and corrosion resistance for harsh and damp applications
- Extra Heavy Duty Corrosion Resistant Series; has high-impact and UV stabilized housing, nickel-plated face contacts, mounting strap and terminals to withstand the most demanding environments and applications





Ground Fault Receptacles

Description	Color	OEM Version Standard Series	Marine Packaging Weather Resistant Series	Extra Heavy Duty Series
15A 125V GFCI receptacle.	Ivory Light Almond White	**GFR15I** **GFR15LA** **GFR15W** **GFR15BLK**	**GFRST52MI** — **GFRST52MW** —	**GFSG5262I** — **GFSG5262W** —

Note: Also available in black, brown and gray. See page Tech-10 for Weather Resistant and Weather Resistant descriptions.



GFSG5262I

Hubbell's GFCI receptacles can be mounted on any standard 2.50 inch (63.5) deep box. A feed-through feature provides protection not only at that receptacle but also at any other receptacle located downstream from it on the same circuit. These devices meet the requirements of The National Electric Code (NEC®) and American Boat and Yacht Council Standard and will accept locking fork terminals.

Caution: Ground Fault Receptacles should not be mounted in locations exposed to salt spray nor in the engine room. For GFCI protection of such locations, downstream feeding from an internally located Ground Fault Receptacle is recommended.

Description	Color	Catalog Number
PVC weatherproof lift cover for ground fault receptacles (such as GFRST52M series) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes.	Gray White	**CWP26CR** **CWP26CRW**



CWP26CRW

Portable Ground Fault Circuit Interrupters (GFCI)

Ideal for providing safety in applications requiring multiple outlets, features gasketed cover to protect outlets not in use. Ensures safety by interrupting power when leakage to ground is 4 to 6 milliamperes. A test button allows the user to test that the GFCI is in working order. This portable solution provides open neutral protection.

Description	Catalog Number
The housing is high-impact yellow polycarbonate as are the liftcovers which protect the receptacles from dirt and damage. Incorporates a 20 Amp GFCI module that can be replaced in the field. The module provides not only ground fault protection, but also contains the no voltage release feature.	**GFP15M**

Note: GFCI devices will not protect against overloads or short circuits.



GFP15M

15A 125V GFCI Line Cord Devices

Description	Line Cord Length	Catalog Number
Ideal for personal plug-in protection at marinas and onboard boats when used with pumps, drills, sanders and all portable electrical equipment. GFCI mechanism is watertight and approved for outdoor use. High visibility yellow SJTW-A power cord resists moisture, chemicals and sunlight.	6 ft. (1.8m) 25 ft. (7.6m)	**GFPST6C15M** **GFPST25C15M**

NEC® is a registered trademark of the The National Electrical Code.

Dimensions in Inches (mm)



GFPST6C15M
GFPST25C15M

Style Line® Decorator Receptacles

- High-impact nylon face resists breaking, chipping and cracking
- Will accept locking fork terminal to comply with ABYC standards
- Available in 4 colors for any decor with matching wall plates
- Smooth, high-gloss finish for rich appearance

Commercial Style Line® Decorator Series

Description	Color	Standard Duplex	Duplex, Tamper-Resistant	Duplex, Weather and Tamper-Resistant
15A 125V duplex receptacle.	Black Brown Gray Ivory Light Almond White	**DR15BLK** **DR15** **DR15GRY** **DR15I** **DR15LA** **DR15WHI**	**DR15BLKTR** **DR15TR** **DR15GRYTR** **DR15ITR** **DR15LATR** **DR15WHITR**	**DR15BLKWRTR** **DR15WRTR** **DR15GRYWRTR** **DR15IWRTR** **DR15LAWRTR** **DR15WHIWRTR**


DR15ITR


DR15GRYWRTR

Commercial Series

Description	Color	Standard Duplex, Spec. Grade, Side Wired	Duplex, Tamper-Resistant	Duplex, Weather and Tamper-Resistant, Back and Side Wired
15A 125V duplex receptacle.	Black Brown Gray Ivory Light Almond White	**CR15BLK** **CR15** **CR15GRY** **CR15I** **CR15LA** **CR15WHI**	**CR15BLKTR** **CR15TR** **CR15GRYTR** **CR15ITR** **CR15LATR** **CR15WHITR**	**BR15BLKWRTR** **BR15WRTR** **BR15GRYWRTR** **BR15IWRTR** **BR15LAWRTR** **BR15WHIWRTR**

Note: All devices above will accept locking fork terminal to comply with ABYC standards.
See page Tech-10 for Tamper and Weather Resistant descriptions.


CR15TR


BR15IWRTR

Extra Heavy Duty Single Receptacles

Description	Color	Catalog Number
15A 125V single receptacle.	Brown Ivory	**HBL5251** **HBL5251I**
20A 125V single receptacle.	Brown Ivory	**HBL5361** **HBL5361I**


HBL5251


HBL5361I

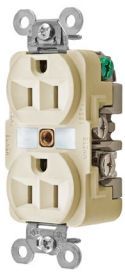
Corrosion-Resistant Receptacles

Description	Color	Catalog Number
15A 125V yellow corrosion-resistant duplex receptacle. Use where salt or other corrosive elements are a problem.	Yellow	**HBL52CM62**
Same as HBL52CM62 except ivory in color.	Ivory	**HBL52CM62I**

Special Application Illuminated Receptacle

Description	Color	Catalog Number
Illuminated receptacle 15A 125V grounding. A high quality receptacle with an illuminated face. Ideal for use in halls or as a gentle night light.	Ivory	**HBL8200ILI**

Note: See page Tech-10 for Weather Resistant description.


HBL52CM62I


HBL8200ILI

Dimensions in Inches (mm)

Commercial Series

Description	Toggle Color	Catalog Number
15A single-pole toggle switch for controlling AC load from one point.	Black Brown Gray Ivory Light Almond White	**CS115BK** **CS115** **CS115GY** **CS115I** **CS115LA** **CS115W**
15A three-way toggle switch for controlling AC load from two points.	Black Brown Gray Ivory Light Almond White	**CS315BK** **CS315** **CS315GY** **CS315I** **CS315LA** **CS315W**

Note: All devices above will accept locking fork terminal to comply with ABYC standards.



CS115I

Special Application Series

Description	Catalog Number
20A 120V toggle switch with LED lamp set in ivory handle. Handle illuminates when switch is in "OFF" position.	**HBL1221IL**
20A 120V three-way toggle switch with LED illuminated ivory handle for controlling AC load from two points. Handle illuminates when "OFF".	**HBL1223IL**
20A 120V single-pole toggle switch with LED lamp set in clear red handle. Handle illuminates when switch is "ON". Serves as instant reminder that current is flowing to an appliance.	**HBL1221PL**
20A 120V three-way toggle switch with LED for controlling AC load from two points. Red handle illuminates when "ON".	**HBL1223PL**
Single-pole PresSwitch® for controlling AC load from one point. Switch activated brown button.	**HBL1281**
Same as HBL1281 except ivory button.	**HBL1281I**
Three-way PresSwitch for controlling AC load from two points. Switch activated brown button.	**HBL1283***
Same as HBL1283 except ivory button.	**HBL1283I***



HBL1221IL



HBL1221PL



HBL1281



HBL1283

Accessories

Description	Catalog Number
Yellow neoprene weatherproof plate for use only with PresSwitches. PresSwitch button is activated when bubble is pressed. Not CSA certified.	**HBL17CM50***
Clear silicone rubber weatherproof bubble plate for use with all AC toggle switches and PresSwitches. Also ideal for use with lighted handle toggle switches. Not CSA certified.	**HBL1795**
Plastic switch/receptacle box. Measures 3.281" x 2.188" x 2.50" (83.3 x 55.6 x 63.5) deep. For mounting in walls without studs. A support strap is provided which pulls box tightly against back side of wall.	**HBL6079****

*Note: *Not UL Listed.*
***Not CSA Certified.*



HBL17CM50



HBL1795



HBL6079

Dimensions in Inches (mm)

Non-metallic Plates

- High-impact polycarbonate thermoplastic is virtually unbreakable
- Smooth satin finish, blends into the wall
- Screws are factory-inserted for fumble-free installation

Stainless Steel Plates

- Type 302/304
- Non-magnetic
- Ideal for highly corrosive environments

Description		Color	Thermoplastic		Material	Metal Catalog Number
			Standard	Mid-Size		
	1-Gang, 1-Toggle	Black Brown Gray Ivory White	**P1BK** **P1** **P1GY** **P1I** **P1W**	**PJ1BK** **PJ1** **PJ1GY** **PJ1I** **PJ1W**	Brass Stainless Steel	**SB1** **SS1**
	1-Gang, 1-Duplex	Black Brown Gray Ivory White	**P8BK** **P8** **P8GY** **P8I** **P8W**	**PJ8BK** **PJ8** **PJ8GY** **PJ8I** **PJ8W**	Brass Stainless Steel	**SB8** **SS8**
	1-Gang, 1-Decorator	Black Brown Gray Ivory White	**P26BK** **P26** **P26GY** **P26I** **P26W**	**PJ26BK** **PJ26** **PJ26GY** **PJ26I** **PJ26W**	Brass Stainless Steel	**SB26** **SS26**
	2-Gang, 2-Toggle	Black Brown Gray Ivory White	**P2BK** **P2** **P2GY** **P2I** **P2W**	**PJ2BK** **PJ2** **PJ2GY** **PJ2I** **PJ2W**	Brass Stainless Steel	**SB2** **SS2**
	2-Gang, 2-Duplex	Black Brown Gray Ivory White	**P82BK** **P82** **P82GY** **P82I** **P82W**	**PJ82BK** **PJ82** **PJ82GY** **PJ82I** **PJ82W**	Brass Stainless Steel	**SB82** **SS82**
	2-Gang, 2-Decorator	Black Brown Gray Ivory White	**P262BK** **P262** **P262GY** **P262I** **P262W**	**PJ262BK** **PJ262** **PJ262GY** **PJ262I** **PJ262W**	Brass Stainless Steel	**SB262** **SS262**
	2-Gang, 1-Toggle, 1-Duplex	Black Brown Gray Ivory White	— **P18** **P18GY** **P18I** **P18W**	**PJ18BK** **PJ18** **PJ18GY** **PJ18I** **PJ18W**	Brass Stainless Steel	**SB18** **SS18**
	2-Gang, 1-Toggle, 1-Decorator	Black Brown Gray Ivory White	**P126BK** **P126** **P126GY** **P126I** **P126W**	**PJ126BK** **PJ126** **PJ126GY** **PJ126I** **PJ126W**	Brass Stainless Steel	**SB126** **SS126**
	1-Gang, 1-Single 1.40″ Dia. Hole	Black Brown Gray Ivory White	**P7BK** **P7** **P7GY** **P7I** **P7W**	**PJ7BK** **PJ7** **PJ7GY** **PJ7I** **PJ7W**	Brass Stainless Steel	**SB7** **SS7**
	1-Gang, 1-Blank, Box Mount	Black Brown Gray Ivory White	**P13BK** **P13** **P13GY** **P13I** **P13W**	**PJ13BK** **PJ13** **PJ13GY** **PJ13I** **PJ13W**	Brass Stainless Steel	**SB13** **SS13**

Dimensions in Inches (mm)

Hubbell Now Offers The Ability To Put 2 or 3 Communication Devices In a Single, Style Line® Plate

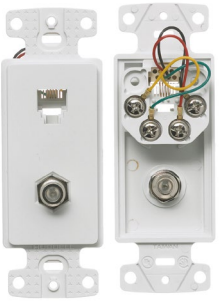
Any combination of phone (6-position jack), cable TV (F-type connector) and Category 5e modular data jacks can be assembled onto a 2-port or 3-port frame—each sold individually so you can customize them as needed. Or the highly popular phone and cable TV combination is available with the frame and matching wallplate under a single catalog number, in all the popular colors.

Finally—a single communications plate that can take the place of 2 or 3 plates—available from a company you can trust for superior quality.

Hubbell's Marine communication frames and connectors deliver high quality data and multimedia transmission to the point of connection. Hubbell's 2 and 3 port Style Line® frames and leading edge connections allow for customized configurations. Install Hubbell's Marine communication offering and be assured a reliable connection.

2 Port Communication Frame, Fully Loaded (6-Position Phone Jack, F-Type Cable TV Jack and Style Line® Plate Included)

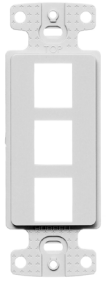
Color	No. of Ports	Connection Type	Catalog Number
White	2	USOC, F-Type	**NS783W**


NS783W

Style Line® Frames, 2 Port and 3 Port Unloaded

Color	No. of Ports	Connection Type	Catalog Number
Black	2	—	**NS612BK**
Gray	2	—	**NS612GY**
Ivory	2	—	**NS612I**
White	2	—	**NS612W**
Black	3	—	**NS613BK**
Gray	3	—	**NS613GY**
Ivory	3	—	**NS613I**
White	3	—	**NS613W**


NS612W


NS613W

Category 6 Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	T568A/T568B	8-Positions	**NSJ6BK**
Gray	T568A/T568B	8-Positions	**NSJ6GY**
Ivory	T568A/T568B	8-Positions	**NSJ6I**
White	T568A/T568B	8-Positions	**NSJ6W**

Category 5e Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	T568A/T568B	8-Positions	**NSJ5EBK**
Gray	T568A/T568B	8-Positions	**NSJ5EGY**
Ivory	T568A/T568B	8-Positions	**NSJ5EI**
White	T568A/T568B	8-Positions	**NSJ5EW**


NSJ6W


NSJ5EW

USOC Modular Keystone Jacks

Color	Wiring	No. Positions	Catalog Number
Black	USOC	6-Positions	**NSJUBK**
Gray	USOC	6-Positions	**NSJUGY**
Ivory	USOC	6-Positions	**NSJUI**
White	USOC	6-Positions	**NSJUW**


NSJUW

F-Type Connector Keystone

Color	Catalog Number
Black	**SFFGBK**
Gray	**SFFGGY**
Ivory	**SFFGEI**
White	**SFFGW**


SFFGEI

Dimensions in Inches (mm)

Non-Metallic While-In-Use Weatherproof Covers

c UL us LISTED
Enclosures only.



- High-impact polycarbonate construction provides maximum durability
- Patented keyhole mounting system allows installation in under a minute
- Includes attached gasket and mounting hardware
- Pre-configured for GFCI with patented knockout technology for alternate devices
- Lockable tab
- NEMA 3R rated
- EXTRA DUTY® 5800 Series covers meet or exceed the extra duty rating per UL 514D and are NEMA 3R rated
- 2017 NEC® Compliant (Article 406.9A & B)
- cULus Listed

1-Gang Weatherproof Covers for Vertical or Horizontal Mounting

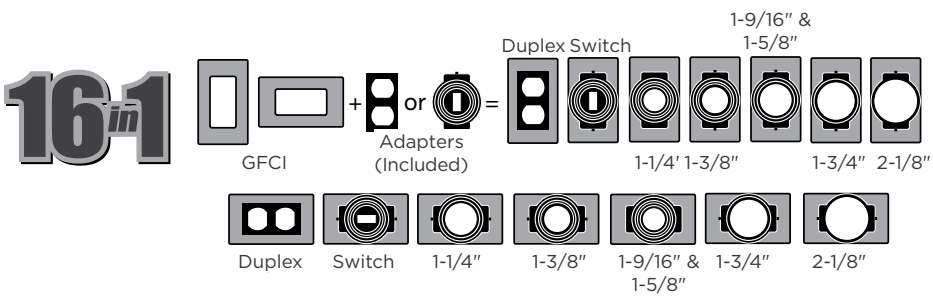
Description	Standard	EXTRA DUTY®
Non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 16-in-1 configurations below.	RW57300	RW58300
Jumbo, non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 16-in-1 configurations below.	RW57350	RW58350


RW57300


RW58300


RW57350


RW58350



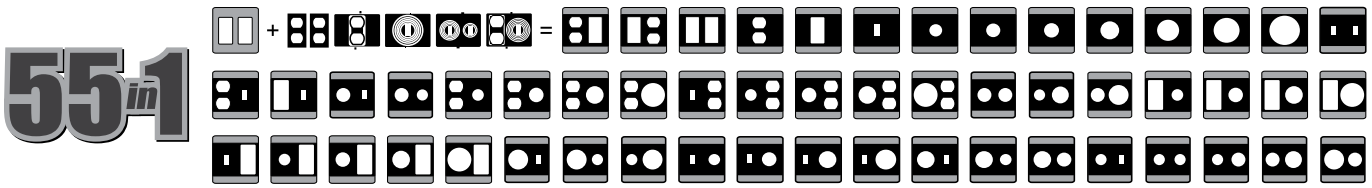
2-Gang Weatherproof Covers for Vertical Mounting Only

Description	Standard	EXTRA DUTY®
Non-metallic, black (standard) or gray (extra duty) with clear tinted cover, while-in-use, 55-in-1 configurations below	RW57750	RW58750

Note: Required by the NEC® for while-in-use outdoor power distribution. Thermoplastic covers provide protection for use in wet locations with the cover closed, NEMA® 3R rated. Meets 2017 NEC 406.9 – receptacles in damp or wet locations. Holes for padlocks are .40 inch.


RW57750

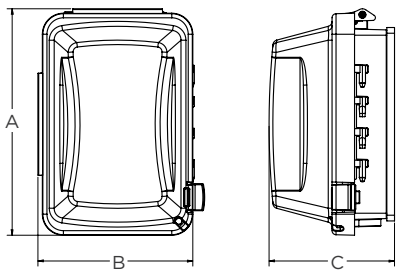

RW58750



Multiple combinations of duplex, GFCI, switch, and rounds: 1-1/4", 1-3/8", 1-9/16", 1-5/8", 1-11/16", 2-1/8", 2-1/4", 2-7/16"

Product Dimensions Inches (mm)

	1-Gang		Jumbo, 1-Gang		2-Gang	
	Standard	EXTRA DUTY®	Standard	EXTRA DUTY®	Standard	EXTRA DUTY®
A	5.54" (140.7)	5.90" (149.9)	5.54" (140.7)	5.92" (150.4)	5.54" (140.7)	5.54" (140.7)
B	3.79" (96.3)	4.18" (106.2)	3.79" (96.3)	4.20" (106.7)	5.43" (137.9)	5.43" (137.9)
C	3.07" (78.0)	3.00" (76.2)	5.08" (129.0)	5.10" (129.5)	3.07" (78.0)	3.07" (78.0)



Dimensions in Inches (mm)

NEC® is a registered trademark of the The National Electrical Code.
NEMA® is a registered trademark of The National Electrical Manufacturers Association.

Stainless Steel Weatherproof & Watertight Flip Covers

Features and Benefits

Stainless steel weatherproof flip covers are suitable for use in applications where corrosion and sanitation are vital concerns. Heavy duty #316 stainless steel provides an excellent finish and superior corrosion resistance in all applications. Models listed are typically used in indoor/outdoor applications such as, food/chemical processing, pharmaceutical and water treatment facilities. Meets Section 406.9 of NEC®.

UL Type 3R:

- Rain-tight and sleet (Ice) resistant
- Self-closing lid

UL Type 4X:

- Watertight, dust-tight and corrosion resistant for wash-down application
- Latching cover

c UL us LISTED





Flip Cover Design

- Manufactured in heavy duty #316 stainless steel for increased corrosion resistance
- Polished finish for a clean aesthetic appearance
- Smooth surfaces to allow ease of cleaning
- Horizontal and vertical mounting positions
- Duplex and GFCI versions



Self-Closing Design

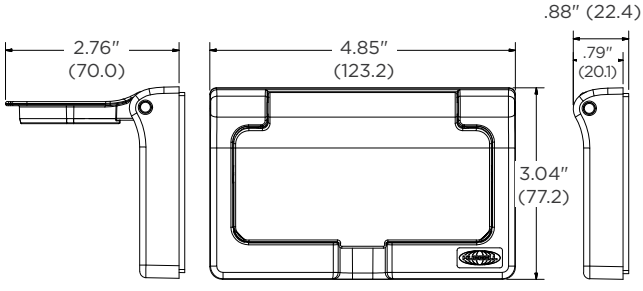
- Self-closing cover
- Neoprene gasket on underside of cover; for sealing when the cover is closed

Stainless Steel Weatherproof Flip Covers

Description	Catalog Number
1-Gang, stainless steel duplex, 3R, self-closing cover.	HBLSS83R
1-Gang, stainless steel GFCI, 3R, self-closing cover.	HBLSS263R
1-Gang, stainless steel duplex, 4X, latching cover.	HBLSS84X
1-Gang, stainless steel GFCI, 4X, latching cover.	HBLSS264X

Product Dimensions Inches (mm)

Catalog Number	Height	Width	Depth	Opening
HBLSS83R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS263R	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)
HBLSS84X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.62" (66.5)
HBLSS264X	3.04" (77.2)	4.85" (123.2)	.88" (22.4)	2.76" (70.0)



Specifications

Base & Cover	Stainless Steel
Hinge Pin & Spring	Stainless Steel
Base & Cover Gasket	Elastomer
Back Gasket	Eva Form
Ground Screw	Steel, Zinc Plated
Mounting Screw	Stainless Steel


HBLSS83R


HBLSS263R


HBLSS84X


HBLSS264X

NEC® is a registered trademark of the The National Electrical Code.
Dimensions in Inches (mm)

Marine Grade Weatherproof Plates

Description	Color	Catalog Number
Thermoplastic vertical spring-loaded lift cover plate for weatherproofing ground fault receptacles and decorator-type devices. Marine drip-proof rated with stainless steel hardware. **IP44 suitability.**	Gray Yellow	**HBL5226** —
Same as above except for horizontal mounting.	Gray Yellow	**HBL5226H** —
Valox® spring-loaded lift cover for weatherproofing duplex receptacles. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP20 suitability.**	Gray Yellow White	**HBL5221** **HBL52CM21** **HBL52CM21W**
Same as HBL52CM21 except for mounting to standard boxes.	Gray Yellow	**HBL5222** **HBL52CM22**
Valox spring-loaded lift cover for weatherproofing single straight blade receptacles. Stainless steel screws and neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 suitability.**	Gray Yellow	**HBL7423WO** **HBL74CM23WO**
Valox spring-loaded lift cover for weatherproofing old style 26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 suitability.**	Gray Yellow	**HBL7424WO** **HBL74CM24WO**
Valox spring-loaded lift cover for weatherproofing HBL26CM10 receptacle. Meets the most stringent requirements of UL's three listing categories for weatherproof plates. Stainless steel screws and neoprene gasket included for mounting to FS/FD type weatherproof boxes. **IP44 suitability.**	Gray Yellow White	**HBL7425WOA** **HBL74CM25WOA** **HBL74CM25WOAW**
Valox lift cover for weatherproofing 50A receptacles. Meets requirements of the most stringent of UL's three listing categories for weatherproof plates. Stainless steel screws and a neoprene gasket included. For mounting to FS/FD type weatherproof boxes. **IP44 suitability.**	Gray Yellow	**HBL7774WO** **HBL77CM74WO**



HBL52CM21W



HBL52CM21

Commercial Grade Weatherproof Plates

Available in a host of configurations - Twist-Lock® and straight blade receptacles in single or duplex as well as switches - these plates are perfect for marine use. The PVC resists deterioration over time and has high tensile and impact strength. Each plate comes with a tightly sealing, rubberized gasket and a super strong lift cover spring.

Description	Catalog Number
Gray thermoplastic weatherproof lift cover for toggle switches (such as CS115). For vertical mounting in standard or FS/FD type boxes.	**HBL5201**
Gray PVC weatherproof lift cover for duplex receptacles (such as HBL52CM62). For vertical mounting in standard or FS/FD type boxes.	**CWP8CR**
Gray PVC weatherproof lift cover for ground fault receptacles (such as GF5252MGYA) and Style Line® receptacles. For vertical mounting in standard or FS/FD type boxes.	**CWP26CR**
Same as CWP26CR except white in color.	**CWP26CRW**



HBL74CM23WO



CWP8CR



CWP26CR



HBL5201



HBL77CM74WO

Valox® is a trademark of SABIC Innovative Plastics, acquired from General Electric Company.

Dimensions in Inches (mm)

Marine Grade Dockside Boxes and Covers

30 cu. in. FD box made of high impact thermoplastic material.
Accepts duplex and single receptacles up to 50A Twist-Lock®.







Housing Design

- 3/4" NPT and 1" NPT threaded hub options
- 30 cu. in. FD box made of high impact thermoplastic material
- External mounting feet, accepts #10 screw
- Stainless steel mounting/ grounding bracket



Housing Design

- 55° angle adapter (15 cu. in.)
- External mounting feet, accepts #8 screw
- Stainless steel mounting/ grounding bracket

FD Boxes, Angled Adapters, Kits and Covers

Description	Gray	White	Yellow
Boxes			
(2) 3/4" NPT Hubs, FD Boxes.	**HBL6083**	**HBL60CM83WA**	**HBL60CM83A**
(2) 1" NPT Hubs, FD Boxes.	**HBL6084**	**HBL60CM84WA**	**HBL60CM84A**
Adapters*			
55° Angle Adapters.	**HBL6055***	**HBL60CM55W***	**HBL60CM55***
Covers			
Blank Cover Plates.	**HBLP14FS**	**HBL60CM88W**	**HBL60CM88**

*Note: *Adapters are not UL Listed, nor UL Type 4X. For UL Type 4X rating, use receptacles in a FD box.*



HBL60CM83A



HBLP14FS



HBL60CM88

Dimensions in Inches (mm)

Non-Metallic Vapor-Tight Incandescent Fixtures

These non-metallic, vapor-tight incandescent fixtures offer long life and trouble-free lighting in wet locations in marinas and on boats. Some features of these new units are:

- UV resistant, gray, glass filled thermoplastic polyester box, mounting adapters and globe guards resists abuse and harmful effects of the elements
- Excellent temperature operating range of -40°F (-40°C) to +302°F (150°) for use in areas with wide temperature variations or extreme ambient temperatures
- High temperature silicone gasketing maintains integrity and molded threads for ease of installation/removal
- Heat resistant glass globe withstands thermal shock in wet locations and has thread type mounting to assure weathertight sealing
- High strength protective globe guard helps prevent accidental globe and lamp breakage
- Accommodates Type A incandescent lamps up to 150 watts
- UL 1598 Standard for luminaries
- UL 1598A Marine type luminaries



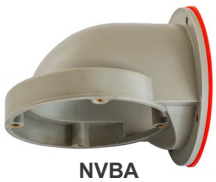
NVX15GHGA



NVA15GHGA

Lighting and Lighting Fixtures

Description	Catalog Number
Ceiling mount non-metallic, vapor-tight incandescent luminaries including the fixture, mounting box, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included).	NVX15GHGA
Pendant mount non-metallic, vapor-tight incandescent luminaries including fixture, mounting cap, guard and heat resistant glass globe. Accepts up to 150 watt Type A incandescent lamp (not included).	NVA15GHGA
Wall mount bracket only to adapt NVX15GHGA ceiling mount fixture to a wall mount fixture. Order NVBA and NVX15GHGA to get wall mount fixture.	NVBA
Replacement guard to NVX15GHGA and NVA15GHGA.	NVGA



NVBA

Nylon Watertight Strain Relief Cord Connectors

These Hubbell nylon cord connectors provide strain relief and a watertight seal where cable enters a piece of equipment, panel, or box. A patented GOTCHA® ring, with a split and hinge design, allows for better adjustment to the cord as the connector nut is tightened, providing superior cord gripping compared to other types. A soft neoprene bushing compresses to keep liquids out and allows the nut to be easily tightened.

Description	Catalog Number
A gray male PVC adapter with 3/4 in. NPT pipe thread for adapting PVC conduit to FS and FD boxes with 3/4 in. NPT hub (HBL6080, HBL60CM83). Not UL Listed.	HBL6085



HBL6085

Description	NPT Hub Size	Diameter Range	Catalog Number
Straight nylon cord connector.	1/2 in.	.25–.38 in. (6.4–9.5)	SHC1022CR
	1/2 in.	.38–.50 in. (9.5–12.7)	SHC1023CR
	3/4 in.	.38–.50 in. (9.5–12.7)	SHC1035CR
	3/4 in.	.50–.63 in. (12.7–15.9)	SHC1036CR
	3/4 in.	.63–.75 in. (15.9-19.1)	HBL10CM37S
	1.0 in.	.63–.75 in. (15.9-19.1)	HBL10CM41S



SHC1022CR

Dimensions in Inches (mm)

ABYC Standard, July 2015, E-11 Excerpts.

11.4 DEFINITIONS – For the purposes of this standard, the following definitions apply.

11.4.11 Equipment Leakage Circuit Interrupter (ELCI) - A residual current device which detects equipment ground fault leakage current and disconnects all current carrying conductors from the supply source at a preset trip threshold.

11.4.14 Ground fault circuit interrupter (GFCI) - A device intended for the protection of personnel that functions to de-energize a circuit, or portion thereof, within an established period of time when a current to ground exceeds some predetermined value that is less than that required to operate the overcurrent protective device of the supply circuit.

11.4.34 Watertight - Constructed so that water will not enter the enclosure under the test conditions specified in NEMA Standard 250, Type 6P or IEC Standard 60529 Type IP67.

11.4.35 Weatherproof - Constructed or protected so that exposure to the weather will not interfere with successful operation under the test conditions specified in NEMA Standard 250, Type 3 or IEC Standard 60529 Type IP54.

11.11 GROUND FAULT PROTECTION — AC SYSTEMS

11.11.1 An Equipment Leakage Circuit Interrupter (ELCI) or Type A Residual Current Device (RCD) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional overcurrent protection as required by E-11.10.2.8.3 whichever is closer to the shore power connection.

11.11.1.1 Trip level shall be a maximum of 30mA. The trip time shall be a maximum of 100ms.

11.11.1.4 The ELCI shall be readily accessible.

Note: A ground fault circuit interrupter (GFCI) may be used on single phase AC circuits to provide additional protection for personnel and equipment.

11.11.5 GFCI receptacle devices shall meet the requirements of Underwriters Laboratories' standard UL 943, Ground Fault Circuit Interrupters and the requirements of UL 498, Electrical Attachment Plugs and Receptacles.

Note: GFCI receptacle devices may be installed as part of a convenience outlet installation either in single outlet applications or in multiple feed through installations. (See E-11.13.3.5)

11.12 SWITCHES

11.12.1.1 Switches shall have voltage ratings not less than the system voltage, current ratings not less than the connected load and shall be rated for the type of load, i.e., inductive or resistive.

11.12.3.1 Switches used in branch circuits shall simultaneously open all ungrounded conductor(s) of the branch circuit.

11.13 PLUGS AND RECEPTACLES

11.13.1.1 Receptacles shall be installed in locations not normally subject to rain, spray, or flooding but if receptacles are used in such areas the following shall apply:

11.13.1.1.1 Receptacles installed in locations subject to rain, spray, or splash shall be weatherproof when not in use.

Note: Weatherproofing may be provided by means such as spring-loaded, self-closing, or snap type receptacle covers.

11.13.1.1.2 Receptacles installed in areas subject to flooding or momentary submersion shall be of a watertight design as may be provided by a threaded, gasketed cover.

11.13.1.3 Receptacles and matching plugs used on AC systems shall not be interchangeable with receptacles and matching plugs used on DC systems.

11.13.3.1 Receptacles shall be installed in boxes that meet the requirements of UL 514A, Metallic Outlet Boxes, or 514C, Non-metallic Outlet Boxes, Flush Device Boxes And Covers.

11.13.3.2 Receptacles shall be of the grounding type with a terminal provided for the grounding (green) conductor as shown in Figure 11, Figure 12 and Figure 13 of ABYC E-11.

11.13.3.3 Power wiring for receptacles shall be connected so that the grounded (white) conductor attaches to the terminal identified by the word "white" or a light color (normally white or silver). The ungrounded conductor(s) shall be attached to the terminal(s) identified by a dark color (normally brass or copper) and, optionally, the letters X, Y and Z or L1, L2 and L3.

11.13.3.4 A branch circuit supplying a combination of receptacle loads and permanently connected loads shall not supply permanently connected loads in excess of the following:

11.13.3.4.1 600 watts for a 15 ampere circuit.

11.13.3.4.2 1000 watts for a 20 ampere circuit.

11.13.3.5 If installed in a head, galley, machinery space, or on a weather deck, the receptacle shall be protected by a Type A (nominal 5 milliamperes) Ground Fault Circuit Interrupter (GFCI). (See E-11.11.)

Note: GFCI receptacle devices are not necessarily ignition protected per E-11.5.1.4.

11.6.2.2 SHORE POWER

11.6.2.2.2.1 Power Inlet - The receptacle, or receptacles, installed to receive a connecting cable to carry AC shore power aboard shall be a male type connector.

11.6.2.2.2.2 Power inlets installed in locations subject to rain, spray, or splash shall be weatherproof whether or not in use.

11.6.2.2.2.2.1 Power inlets installed in areas subject to flooding or momentary submersion shall be watertight whether or not in use.

11.6.2.2.2.3 Metallic power inlets installed on metallic or carbon fiber reinforced boats using an isolation transformer or a galvanic isolator shall be insulated from metallic structure and components. On non-metallic boats using an isolation transformer or a galvanic isolator the power inlet shall be insulated from metallic components connected to the boat's ground.

11.6.2.2.1.1 Shore Power Cable – On each boat equipped with an AC shore power system, a shore power cable that contains the conductors for the power circuit and a grounding (green) conductor shall be provided.

11.6.2.2.1.2 Except where the shore power cable is permanently connected to the boat, the boat end of this cable shall be terminated with a locking and grounding female type connector to match the boat power inlet. (See Figure 12 and Figure 13 of ABYC E-11).

11.6.2.2.1.3 The shore power cable shall be flexible cord with the minimum properties of Type SOW, STW, STOW, SEOW, or STOOW and shall be suitable for outdoor use. The shore connection end of this cable shall be fitted with a locking and grounding type plug with the required number of poles and shall comply with Article 555 of the National Electrical Code. (See Figure 13 and Table VII-A of ABYC E-11).

EXCEPTION: *Pin and sleeve devices in accordance with Figure 14 of ABYC E-11.*

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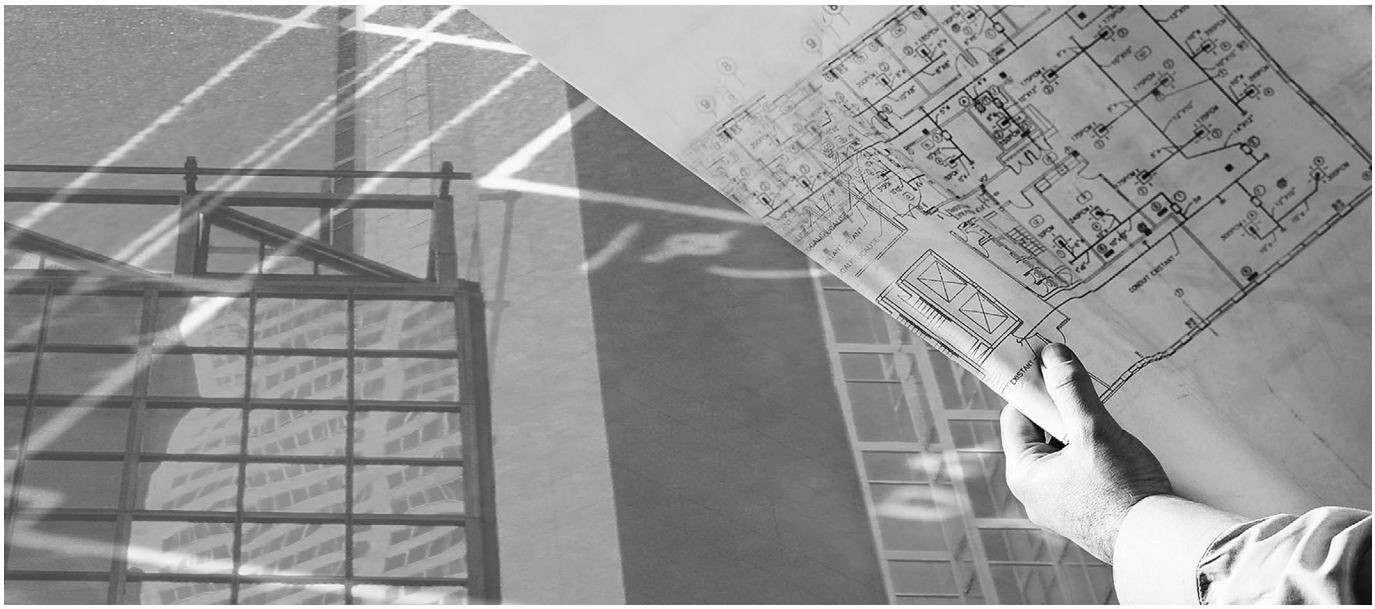
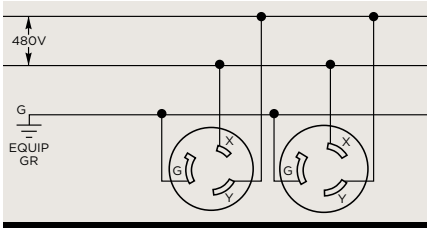
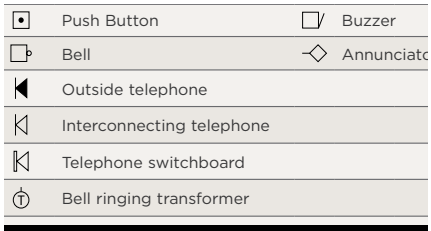




Certification Agencies and Markings



Circuit Wiring Diagrams



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Product Standards and Installation Codes

Standards and codes of many types developed by and for our industry form a vital consideration in the design of our products. The following pages in this section briefly describe the functions of the organizations producing the standards which influence the safety and design of wiring devices.

The American Boat and Yacht Council Inc. (ABYC) is a not-for-profit membership organization that has been developing and updating the safety standards for boat building and repair for over 50 years. ABYC is actively involved with the International Organization for Standardization (ISO) and is a leader in education for the marine industry, as well as certification programs for marine technicians. ABYC's membership includes boat builders, boat owners, surveyors, boat yards, insurance companies, law firms, trade associations, marinas, dealerships, government agencies, educational institutions and equipment and accessory manufacturers. Over 400 volunteers donate time, expertise, and research while serving on technical committees, which develop and revise the ABYC standards and technical information reports. We ensure quality and professionalism in each of ABYC's services.

UL LLC, formely Underwriters Laboratories Inc. (UL) A for-profit corporation, operating in two distinct roles, as a certifier and testing facility, and as a developer of safety standards. By its own definition, Underwriters Laboratories defines itself as follows: "Underwriters Laboratories Inc. founded in 1894, is chartered as a not-for-profit organization without capital stock, under the laws of the state of Delaware to establish, maintain, and operate laboratories for the examination and testing of devices, systems and materials to determine their relation to hazards to life and property." On January 1, 2012, UL moved to a for-profit structure.

Separate from product certifications, UL develops consensus safety standards for the U.S. UL evaluates products for paying "clients" and if the product submitted passes the requirements of the UL standard for which it is submitted, a UL "Listing" is granted which allows the manufacturer to use the UL manifest or "Label" on its products. Electrical inspectors or other Authorities Having Jurisdiction (AHJs) use UL Listings of products to determine acceptability of electrical installations. It is important to remember that UL is not an approval agency. It approves nothing, but lists a product as meeting minimum standards for safety. The Underwriters "Listing" mark on a product is generally accepted by the public and government agencies as evidence of a "safe" product, not necessarily a "quality" product.

CSA Group, formerly Canadian Standards Association (CSA) is a not-for-profit membership-based association and performs a function for manufacturers similar to that performed in the USA by Underwriters Laboratories Inc. (UL) and National Fire Protection Association (NFPA). CSA Standards develops product safety standards for Canada, which parallel UL standards in many aspects but are not always identical. CSA International evaluates products and grants paying clients "Certification" that their products meet CSA Standards. CSA Standards also sponsors the Canadian Electrical Code (CE Code).

American National Standards Institute, Inc. (ANSI) as the voice of the U.S. standards and conformity assessment system, the American National Standards Institute (ANSI) empowers its members and constituents to strengthen the U.S. marketplace position in the global economy while helping to assure the safety and health of consumers and the protection of the environment.

The Institute oversees the creation, promulgation and use of thousands of norms and guidelines that directly impact businesses in nearly every sector: from acoustical devices to construction equipment, from dairy and livestock production to energy distribution, and many more. ANSI is also actively engaged in accrediting programs that assess conformance to standards – including globally-recognized cross-sector programs such as the ISO 9000 (quality), ISO 14000 (environmental) and ISO 17025 (laboratory) management systems.

The International Electrotechnical Commission (IEC) is the leading global organization that prepares and publishes international standards for all electrical, electronic and related technologies. These serve as a basis for national standardization and as references when drafting international tenders and contracts. Through its members, the IEC promotes international cooperation on all questions of electrotechnical standardization and related matters, such as the assessment of conformity to standards, in the fields of electricity, electronics and related technologies.

IEC's international standards facilitate world trade by removing technical barriers to trade, leading to new markets and economic growth. Put simply, a component or system manufactured to IEC standards and manufactured in country A can be sold and used in countries B through Z. IEC's standards are vital since they also represent the core of the World Trade Organization's Agreement on Technical Barriers to Trade (TBT), whose 100-plus central government members explicitly recognize that international standards play a critical role in improving industrial efficiency and developing world trade.

Product Standards and Installation Codes

The National Electrical Code® (NEC®) The NEC is a model installation code developed by NFPA's Committee on the National Electrical Code, which consists of 19 Code-Making Panels and a Technical Correlating Committee. Work on the NEC is sponsored by the National Fire Protection Association (NFPA). The NEC is approved as an American National Standard by the American National Standards Institute (ANSI). It is formally identified as ANSI/NFPA 70. The NEC must be adopted locally by legislation or regulation.

First published in 1897, the NEC is updated and published every three years. Most states adopt the most recent edition within a couple of years of its publication. As with any "uniform" code, a few jurisdictions regularly omit or modify some sections, or add their own requirements (sometimes based upon earlier versions of the NEC, or locally accepted practices). However, the NEC is the least amended model code, even with it setting minimum standards. No court has faulted anyone for using the latest version of the NEC, even when the local code was not updated to the most recent edition.

National Electrical Manufacturers Association (NEMA®) An organization of over 325 manufacturers of electrical equipment, including, but not limited to, wiring devices, wire and cable, conduit, load centers, pressure wire connectors, circuit breakers, fuses, etc. NEMA is the "voice" of the electrical industry, and through it, standards are developed for electrical distribution.

Generally these standards promote interchangeability between products of one manufacturer with like products made by another manufacturer. In some cases, standards relating to product "performance" are also formulated by NEMA but these are the exception rather than the rule.

NEMA standards are not compulsory, but generally are accepted by those manufacturers that help to write them as a way of making their products more saleable and acceptable. However, many NEMA standards, such as ANSI/NEMA WD 6, are approved by the American Standards Institute and referenced by mandatory UL and CSA product standards. NEMA standards are utilized by many consumers in writing specifications for the materials they purchase. NEMA does not evaluate or certify products or enforce regulations.

General Services Administration Federal Supply Service (GSA) Federal Supply Service (FSS) provides federal customers with the products, services, and programs to meet their supply, service, procurement, vehicle purchasing and leasing, travel and transportation, and personal property management requirements. Hubbell offers devices listed by UL as FED SPEC and can be found throughout this catalog.

Occupational Safety and Health Administration (OSHA) is a branch of the US Department of Labor which was created to assure safe and healthful working conditions for working men and women. OSHA uses regulations from the Federal Register, NFPA and the National Electric Code to establish and enforce safety standards for the workplace. It is important to note: OSHA does NOT approve products. OSHA enforces existing safety regulations.

Canadian Electrical Code, Part I (CE Code) The CE Code is a model installation code developed by the Committee on CE Code, Part I, composed of members representing inspection authorities, manufacturing and utilizing industries, utilities and allied interests. The Committee meets annually to address reports submitted by 43 section subcommittees. Work on CE Code, Part I is sponsored by CSA Standards. The product standards of CSA Standards comprise the Canadian Electrical Code, Part II.

First published in 1927, the CE Code, Part I, is updated and published every three years, prior to 2006 every four years. The 2012 CE Code, Part I, is the latest edition. As with any "uniform" code, provinces and a few jurisdictions regularly modify or add their own requirements.

NSF International, formerly National Sanitation Foundation (NSF) NSF International is a not-for-profit organization founded in 1944 from the University of Michigan's School of Public Safety. NSF develops public health standards, and provides and enforces certifications to protect food, water, and beverages. NSF is the leading certifier of food service equipment.

Certification Agencies and Markings

Understanding Certification Marks:

Certification marks vary significantly with respect to testing required to achieve a particular mark. In some cases, (i.e.: Specification Grade), no outside certification agency is involved. The manufacturer decides which of their products they wish to be so identified. The following table for 15 and 20A Straight Blade receptacles demonstrates these wide differences. The understanding of these marks permits the user/specifier to make more meaningful product selections.

Understanding Product Certification Marks - 15 and 20 Amp Straight Blade Receptacles Products that carry certification marks must meet the specific testing standards indicated.

Certification Mark	Description	UL 498	CSA, C22.2 No. 42	UL 498 Hospital Grade	CSA, C22.2 No. 42 M Hospital Grade	DESC WC596
Spec Grade*	**Self Certified, No Testing Required- Advertising/Trade Name**					
	Used on recognized component parts that are part of a Listed product or system intended for the United States. Component "C" intended for Canada. Recognized components are intended only for installation by Original Equipment Manufacturers (OEMs) within their Listed products, and are not accepted by electrical inspectors for general-use field installations due to limitations called Conditions Of Acceptability (COA).	X				
	Used on recognized component parts that are part of a Listed product or system intended for the United States and Canada. Recognized components are intended only for installation by Original Equipment Manufacturers (OEMs) within their Listed products, and are not accepted by electrical inspectors for general-use field installations due to limitations called Conditions Of Acceptability (COA).	X				
	Products found with this mark means Underwriters Laboratory or CSA International found that representative samples of this product met Underwriters Laboratory's published Standards for Safety intended for the US market.	X				
	Products found with this mark are certified primarily for the Canadian market.		X			
	Products intended for US and Canada.	X	X			
Hospital Grade	In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards.	X		X		
Hospital Grade	In addition to complying with general use requirements, this mark denotes these devise have been specially designed and are subject to additional requirements of the standards.		X		X	
Fed. Spec.	In addition to complying with general use grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	X				X
Fed. Spec. Hospital Grade	In addition to complying with general use and hospital grade requirements, this mark denotes receptacles also have been investigated for compliance with United States Federal Specification W-C-596.	X		X		X

*Note: *Includes such variation as Premium Spec, Super Spec, etc.*
***End Product test also required.*

Cross Reference Note:

Recognize that cross reference guides supplied by some manufacturers should be used only to determine compatible devices (rating and configuration). It does not, in any way, deal with performance levels (which will vary widely by manufacturer). Common catalog numbers are often used for convenience of selection. The use of the same catalog number is solely the discretion of the manufacturer. It in no way implies compliance to any standard or testing criteria.

Industry Associations, Organizations and Standards

For convenience, the following listings define common acronyms for a variety of organizations.

Standards Development Organizations: Organizations primarily involved in the development and/or promulgation of standards.	
ANSI	American National Standards Institute.
CANENA	Consejo de Armonizacion de los Naciones de America.
CSA	Canadian Standards Association.
IEC	International Electrotechnical Commission.
IEEE	Institute of Electrical & Electronics Engineers, Inc.
ISA	The Instrumentation, Systems and Automation Society.
ISO	International Organization for Standardization.
LEEDS	Leadership in Energy and Environmental Design.
NFPA	National Fire Protection Association, Inc.
NSF	National Sanitation Foundation.
SAE	Society of Automotive Engineers.
SME	Society of Manufacturing Engineers.
USGBC	United States Green Building Council.
UL	Underwriters Laboratories Inc.

Installation Codes	
CEC Part I	Canadian Electrical Code, Part I.
NEC®	National Electrical Code®.
NOM	Normas Oficiales Mexicanas (Mexican Electrical Code).

Industry Associations: Associations of companies or individuals for the purpose of standardization, trade, and professional development, etc.	
ABYC	American Boat and Yacht Council.
ASTM	American Society for Testing and Materials.
BICSI	Building Industry Consulting Services International.
BOMA	Building Owner Management Association.
CANAME	Camara Nacional de Manufacturas Electricas.
CEMRA	Canadian Electrical Manufacturers Representative Association.
ECOC	Electrical Contractors of Canada.
EF-C	Electro-Federation-Canada.
EIA	Electronic Industries Alliance.
EPRI	Electric Power Research Institute.
IAEI	International Association of Electrical Inspectors.
IECI	Independent Electrical Contractors International.
IFMA	International Facilities Management Association.
NAED	National Association of Electrical Distributors.
NAW	National Association of Wholesalers.
NECA	National Electrical Contractors Association.
NEMA	National Electrical Manufacturers Association.
NEMRA	National Electrical Manufacturers Representatives Association.
NMDA	National Marine Distributor Association.
NMRA	National Marine Representative Association.
SEMI	Semi Conductor Equipment and Material International.
TIA	Telecommunication Industry Association.

Codes and Standards Organizations

For convenience, the following listings define common acronyms for a variety of organizations.

Certification Agencies: Primarily involved in certification of products or manufacturers to standards developed by the certification agency or by others.	
ANCE	National Association of Normalization and Certification of the Electrical Sector.
BSI	British Standards Institute.
CE	Self Certification Marking of European Community.
CCC	China Compulsory Certification.
CSA	Canadian Standards Association or CSA International.
FM	Factory Mutual.
NRTL	Nationally Recognized (by OSHA) Testing Laboratory.
PSE	Product Safety Electrical Appliance and Material (Japan).
TÜV	TÜV Rheinland of N.A., Inc.
UL	Underwriters Laboratories Inc.
VDE	Verband Deutscher Elektrotechniker (Germany).

Note: *Hubbell products are in the process of being certified in Mexico. Many have already been certified. Consult with the factory for specific data.*

Government Agencies	
DSCC	Defense Supply Center – Columbus.
EU	European Union.
FCC	Federal Communications Commission.
IAPA	Industrial Accident & Prevention Association (Canada).
OSHA	Occupational Safety and Health Administration.

Copies of standards referred to on the preceding pages may be purchased from the following:

American Boat and Yacht Council, Inc. (ABYC)
613 Third Street, Suite 10
Annapolis, MD 21403
USA

The American National Standards Institute (ANSI)
25 West 43rd Street,
(between 5th and
6th Avenues), 4 floor
New York, NY 10036

or

1819 L Street, NW
(between 18th and
19th Streets), 6th floor
Washington, DC 20036
USA

CSA Group (CSA)
178 Rexdale Boulevard
Toronto, Ontario
M9W 1R3
CANADA

National Electrical Manufacturers Association (NEMA)
1300 North 17th Street
Rosslyn, VA 22209
USA

National Fire Protection Association (NFPA)
1 Batterymarch Park
Quincy, MA 02169-7471
USA

NSF International (NSF)
789 North Dixboro Road
Ann Arbor, MI 49105
USA

The International Electrotechnical Commission (IEC)
IEC Central Office
3, rue de Varembé
P.O. Box 131
CH - 1211 GENEVA 20
Switzerland

Asociacion Nacional de Normalizacion y Certificacion del Sector Electrico A.C. (NOM – ANCE)
Ibsen No.13,
Colonia Chapultepec Polanco,
C.P.11560 México, D.F.,
Conmutador 5280-6775

Occupational Safety and Health Administration (OSHA)
Occupational Safety & Health Administration
200 Constitution Avenue, NW
Washington, DC 20210
USA

UL LLC (UL)
Underwriters Laboratories Inc.
333 Pfingsten Road
Northbrook, IL 60062-2096
USA

AC Switch Data and Horsepower Explanation

AC Test Requirements

When AC general use switches were considered by the industry and Underwriters' Laboratories, Inc., thought was given to the ratings and it was decided to rate the switches in accordance with NEC branch circuit ratings of 15, 20 and 30 amperes. It was also decided to test the switch for all the loads that could be applied to a branch circuit. Therefore, all AC switches are tested on resistance, tungsten lamp and inductive loads to 100% of switch rating.

Underwriters' Laboratories and Canadian Standards Association Test requirements for AC General Use Switches

In order to be listed by Underwriters' Laboratories, Inc. and certified by CSA International, all 15, 20 and 30 amperes 120/277V AC switches must perform, without failure, the following sequence of tests.

- An overload test of 100 cycles at 4.8 times rated current and 40-50% power factor and rated voltage. This overload test is performed at 144 amps, 277 volts for 30 ampere switches at 6-10 cycles per minute.
- 10,000 cycles on a plain resistance load at full rating of 15, 20 or 30 amperes, at 277 volts at 18-24 cycles per minute.
- 10,000 cycles on an inductive load of either 15, 20 or 30 amperes at 277 volts, 80% power factor at 24 cycles per minute.
- 10,000 cycles at 15, 20 or 30 amperes, 120 volts on a tungsten filament lamp load at 6-10 cycles per minute.
- Temperature rise at test-rated load. In this test, temperature rise must not exceed 30 degrees Celsius.
- A switch shall withstand, without breakdown, 1500 volts for 1 minute between live parts of opposite polarity and between live parts and dead metal parts, with the switch at the maximum operating temperature reached in intended use.

Explanation of "Horsepower" Ratings

Manual motor controllers marked with Horsepower Ratings are suitable for controlling the Motor Loads of the HP ratings shown on the manual motor controllers for that operating voltage as well as for lower HP ratings.

To qualify for an HP rating, a manual motor controllers is tested at (6) six times the full load Motor Current corresponding to the HP rating marked on the switch (for DC Motor Controllers, the test is made at 10 times the full load Motor Current corresponding to the DC HP rating marked on the switch). The test consists of 50 on-off operations at this load and the test is conducted on (3) three samples. For 3/4 HP 120 - 240 volts AC rating, (2) two sets of (3) three samples each are tested in addition to the regular overload, endurance, temp. rise and dielectric tests. The test circuit characteristics are:

	For 3/4 HP 20V AC	For 3/4 HP 240V AC
Closed Circuit Volts	120 volts AC	240 volts AC
Current	82.8 amps	41.4 amps
Power Factor	0.40-0.50	0.40-0.50

Note: Current at 240V AC is 1/2 that at 120V AC.

All manual motor controllers must be in good operating condition after the tests have been completed. There must be no excessive arcing, welding or burning of the contacts nor arc-over to the ground (the manual motor controller frames are grounded during the stalled rotor test).

Wiring Device Standards and Testing

Wiring Device Standards

There are many different marketing terms in the electrical industry to describe the various electrical receptacles available from different manufacturers. Some of these terms include: Spec-Grade, Commercial, Heavy Duty, Industrial, Hard-Use, etc. There are no clear or universal definitions for these terms. There is no criteria established to differentiate one term from the next. Reliance solely upon these terms is not a reliable measure of performance or durability in a given application.

Underwriters Laboratories (UL) recognized a need to categorize receptacles based on application and expectations of performance. As a result, UL verifies performance to the following designations. Here are brief descriptions of each:

General Use - UL 498 – All duplex receptacles are required to meet these general requirements. Devices bearing the UL mark for general use have been tested to insure they can safely provide power in typical everyday usage (vacuum, lamps, electronics, etc.).

Fed. Spec.

Fed. Spec. - W-C-596 – The Federal Government wanted some way to determine that a receptacle performed better than average and would withstand the tougher demands of institutional use (post offices, military installations, prisons, etc.). Fed. Spec. listing identifies receptacles as having construction features, marking specifications and performance requirements (i.e., plug retention, increased cycle testing) beyond the requirements of the general use listing.

Hospital Grade

Hospital Grade – In addition to compliance with general use requirements, Hospital Grade receptacles must meet performance criteria designed to test: ground reliability, assembly integrity, overall strength and reliability. Hospital Grade devices are marked with a green dot on their face.

Fed. Spec.
Hospital Grade

Hospital Grade Fed. Spec. – Receptacles meeting this designation meet requirements and have completed test programs for both Fed. Spec. and Hospital Grade receptacles. All Hubbell Hospital Grade devices are UL Listed to this designation.

These UL designations are a better determinant of performance than marketing descriptions, for performance and durability.

Testing for Hospital Grade and Fed. Spec. Listing of Hubbell Receptacles, Plugs and Connectors

All Hubbell Hospital Grade products are tested quarterly in our factories with Underwriters Laboratories.

Receptacles

Fed. Spec. Test: Ground Pin Retention Test - The grounding contact of the receptacle is conditioned by twenty insertions with a 0.204 inch oversized diameter pin. After conditioning, a 0.184 inch diameter pin is inserted in the grounding contact must be capable of supporting a weight of at least 4 ounces for one minute.

Fed. Spec. Test: Power Blade Retention Test - A test plug with a single oversized blade measuring 0.075 inch thick is inserted into each current carrying contact for twenty conditioning cycles. When the conditioning cycles are completed, each contact must be capable of supporting, for one minute, 1.5 pounds secured to a single 0.055 inch thick solid steel blade without holes.

HG Test: Abrupt Removal of Plug Test - A steel bodied test plug with blades made of brass is inserted into the receptacle. A 10 pound weight dropped from at least 24 inches, pulls the plug out of the receptacle abruptly. This test is done eight times with the receptacle rotated in different positions to create the greatest stress to the face and contacts. Then, with the receptacle facing down, the grounding contact must retain a 4 ounce grounding pin with a 0.184 inch diameter for one minute. After this test there shall be no breakage of the receptacle that interferes with the receptacle function or to the integrity of the enclosure.

Fed. Spec. Test: Assembly Security Test - A force of 100 pounds is applied through the slots of the receptacle into the base while the bridge is supported at its screw mounting positions. Each receptacle is then examined for damage.

Plugs and Connectors

HG Test: Impact Test – A plug or connector wired with the minimum size flexible cord is subjected to an impact from a 10 pound cylindrical weight having a flat face with a 2 inch diameter dropped from a height of 18 inches. After the test, there shall be no breakage or other damage that may effect the function of the device.

HG Test: Mechanical Drop Test – The cord connector is wired to #18 AWG flexible cord and suspended horizontally. It is released so it impacts a hardwood surface 45 inches below the point of suspension. This is repeated for 1,300 cycles. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

HG Test: 500 Pound Crush Test – A wired plug or connector is placed between two hardwood slabs while subjected to a force which is progressively increased to 500 pounds. After the test, there shall be no breakage, deformation or other effect that may interfere with the function of the device.

HG Test: Strain Relief Test – While assembled to a plug or connector but not wired to the terminals; the cord must remain securely fastened after a straight pull of 30 pounds and a rotary motion within 3 inch circles with a 10 pound force applied for two consecutive hours. Displacement of conductors, insulation and outer jacket of the flexible cord shall not exceed 0.031 inch. There shall be no cuts, rips or tears in the insulation of the cord.

RoHS, IP69K, WR, TR and LED Power Descriptions

RoHS - Restriction of Hazardous Substances

This EU Directive, 2002/95/EC, prohibits the use of mercury, cadmium, lead, chromium VI, PBB (polybrominated biphenyls) and PBDE (polybrominated diphenyl ethers) in certain electrical products. The regulatory maximums for these items are 0.01%, by weight, for cadmium and 0.1%, by weight, for the other five items in each "homogenous unit" contained within that product. There are certain exemptions available from the RoHS requirements.

IP69k

IP69 testing is for equipment built to withstand wet and harsh environments. Device must be able to withstand dust ingress in addition to hot and high-pressure water. Commonly used in hygienic design such as industrial food & beverage and pharmaceuticals facilities.

Weather Resistant Receptacles

Per National Electrical Code (NEC®) Section 406.9; all 125 and 250 volt, 15 and 20 amp non-locking receptacles for use in damp or wet locations shall be a listed weather resistant type. Listed devices are required to have a WR marking on the face visible when installed.

Tamper-Resistant Receptacles

Per National Electrical Code (NEC) Section 406.12 now addresses all 15 and 20 ampere, 125 and 250 volt nonlocking-type receptacles in the areas specified in 406.12(1) through (7) shall be listed tamper-resistant receptacles. New occupancies have been added to the receptacle tamper-resistant requirements: dwelling units, guest rooms and guest suites of hotels and motels, child care facilities, preschools and elementary education facilities, business offices, corridors, waiting rooms and in clinics, medical and dental offices and outpatient facilities, places of waiting transportation, gymnasiums, skating rinks, auditoriums and dormitories.

LED Power Indicators

Most popularly used to identify emergency circuits in hospitals, the LED power indicators are bright enough to be visible in low light as well as bright daylight conditions.

Tamper-Resistant SG Series Duplex Receptacle, Hospital Grade. How the SG Tamper-Resistant Receptacle Works.

As shown in Figure 1, Switch "A" energizes the left hand Contact "B" and Switch "C" energizes the right hand Contact "D". The same arrangement applies to the lower portion of the outlet.

If, for example, a metallic object is inserted into the left power Contact "B" only, the object is not energized because it requires the additional insertion of a similarobject in the opposite Contact "D" to move the slider to close Switch "A".

Similarly, if an object is inserted into the right hand slot only, it cannot become energized unless and additional object is inserted in the opposite slot to close Switch "C".

In other words it requires the presence of an object in both right and left hand contacts to energize the device. This condition is in practice fulfilled only by the insertion of the proper electrical plug as shown in Figure 2.

Remember, this receptacle can be used with either a 2 or 3 wire plug. No other tamper-resistant receptacle on the market can provide you with greater reliability and durability than the Hubbell hospital grade tamper resistant receptacle. Complies with requirements of NEC Section 517-18(c).

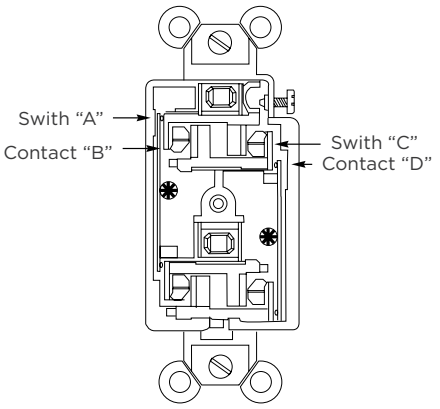
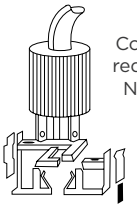


Figure 1



Complies with requirement of NEC Section 517-18(c).

Figure 2

NEC® is a registered trademark of the National Fire Protection Association (NFPA).

NEMA and IEC Classifications

Comparison Between NEMA Enclosure Type Numbers and IEC Enclosure Classification Designations

IEC Publication 60529 Classification of Degrees of Protection Provided by Enclosures provides a system for specifying the enclosures of electrical equipment on the basis of the degree of protection provided by the enclosure. IEC 60529 does not specify degrees of protection against mechanical damage of equipment, risk of explosions, or conditions such as moisture (produced for example by condensation), corrosive vapors, fungus, or vermin. NEMA Standards Publication 250 does test for environmental condition such as corrosion, rust, icing, oil, and coolants. For this reason, and because the tests and evaluations for other characteristics are not identical, the IEC Enclosure Classification Designations cannot be exactly equated with NEMA Enclosure Type Numbers.The IEC designation consists of the letters IP followed by two numerals. The first characteristic numeral indicates the degree of protection provided by the enclosure with respect to persons and solid foreign objects entering the enclosure. The second characteristic numeral indicates the degree of protection provided by the enclosure with respect to the harmful ingress of water.

The table below provides an equivalent conversion from NEMA Enclosure Type Numbers to IEC Enclosure Classification Designations. The NEMA Types meet or exceed the test requirements for the associated IEC Classifications; for this reason the table cannot be used to convert from IEC Classifications to NEMA Types.

Conversion of NEMA Type Numbers to IEC Classification Designations

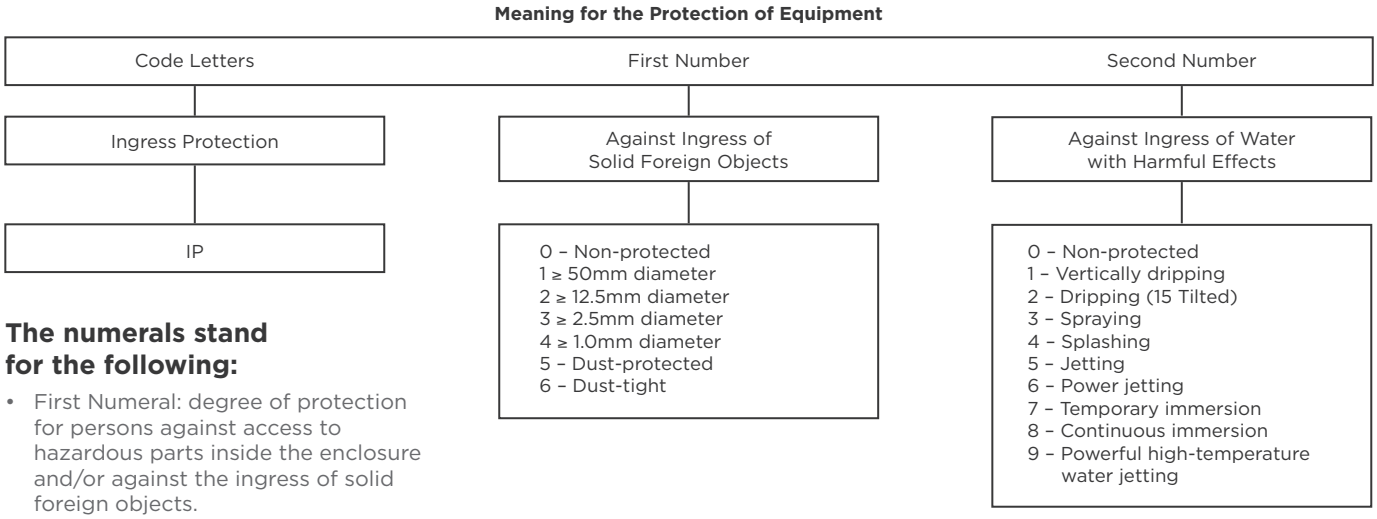
(Cannot be used to convert IEC classification designations to NEMA type numbers)

NEMA Enclosure Type Number	IEC Enclosure Classification Designation	Basic Description
1	IP10	General Purpose.
2	IP11	Dripproof- Indoor.
3	IP54	Dusttight, Raintight and Sleet (Ice) Resistant- Outdoor.
3R	IP14	Rainproof and Sleet (Ice) Resistant- Outdoor.
3S	IP44, IP54	Dusttight, Raintight and Sleet (ice) Proof- Outdoor.
4	IP56	Watertight and Dusttight- Indoor and Outdoor.
4X	IP56	Watertight, Dusttight and Corrosion-Resistant - Indoor and Outdoor.
5	IP52	Superseded by Type 12 for Control Apparatus.
6	IP67	Submersible, Watertight, Dusttight and Sleet (Ice) Resistant- Indoor and Outdoor.
12	IP52	Industrial Use, Dusttight and Driptight- Indoor.
12K	IP52	Industrial Use, Dusttight and Driptight with Knockouts- Indoor.
13	IP54	Oiltight and Dusttight- Indoor.

Elements of the IP Code and Their Meanings - In Accordance with Standard IEC 60529

IP Suitability Ratings are a system for classifying the degree of ingress protection provided by enclosures of electrical equipment. Generally, the higher the number, the greater the degree of protection; they apply ONLY to properly installed equipment.

Example: IP67 = Ingress Protection/Dust-Tight/Temporary Immersion



The numerals stand for the following:

- First Numeral: degree of protection for persons against access to hazardous parts inside the enclosure and/or against the ingress of solid foreign objects.
- Second Numeral: degree of protection of equipment inside enclosures against damage from the ingress of water.

Enclosure Types

Self-Certified Non-Hazardous (Unclassified) Locations

	NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum)	UL50E Standard for Enclosures for Electrical Equipment Environmental Considerations	CAN/CSA C22.2 No. 94.2 Special Purpose Enclosures
Designation	**Intended Use and Description**	**Intended Use and Description**	**Intended Use and Description**
Definition	An enclosure is a surrounding case constructed to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.	Enclosure - A surrounding case constructed to provide a degree of protection against incidental contact with the enclosed equipment and to provide a degree of protection to the enclosed equipment against specified environmental conditions.	Enclosures...provide a degree of protection against accidental contact with the enclosed equipment, and to the enclosed equipment, against specified environmental conditions.
Type 1	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment and to provide a degree of protection against falling dirt.	Indoor use primarily to provide a degree of protection against limited amounts of falling dirt.	No CSA equivalent.
Type 2	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment, to provide a degree of protection against falling dirt, and to provide a degree of protection against dripping and light splashing of non-corrosive liquids.	Indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt.	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids, and falling dirt.
Type 3	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and that will be undamaged by the external formation of ice on the enclosure.	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and wind blown dust; undamaged by the external formation of ice on the enclosure.
Type 3X	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.
Type 3R	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, and snow; and that will be undamaged by the external formation of ice on the enclosure.	Outdoor use primarily to provide a degree of protection against rain, sleet, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain and snow, undamaged by the external formation of ice on the enclosure.
Type 3RX	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.
Type 3S	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, and windblown dust; and in which the external mechanism(s) remain operable when ice laden.	Outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust, and to provide for operation of external mechanisms when ice laden.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, and windblown dust, the external mechanism(s) remain operable while ice covered.
Type 3SX	Same as above and corrosion resistant.	Same as above and corrosion resistant.	Same as above and corrosion resistant.
Type 4	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, and hose-directed water, and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose-directed water, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water; undamaged by the external formation of ice on the enclosure.
Type 4X	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt, rain, sleet, snow, windblown dust, splashing water, hose-directed water, and corrosion; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against rain, snow, windblown dust, splashing and hose-directed water, undamaged by the external formation of ice on the enclosure; resists corrosion.

Self-Certified Non-Hazardous (Unclassified) Locations

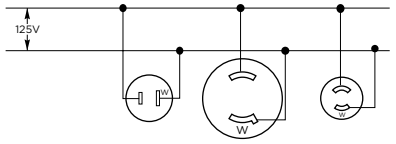
	NEMA Standards Publication No. 250 Enclosures for Electrical Equipment (1000 Volts maximum)	UL50E Standard for Enclosures for Electrical Equipment Environmental Considerations	CAN/CSA C22.2 No. 94.2 Special Purpose Enclosures
Designation	**Intended Use and Description**	**Intended Use and Description**	**Intended Use and Description**
Type 5	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against settling airborne dust, lint, fibers, and flyings; and to provide a degree of protection against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against settling airborne dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against dripping and light splashing of non-corrosive liquids and settling dust, lint, fibers, and flyings.
Type 6	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose directed water and the entry of water during occasional temporary submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during occasional temporary submersion at a limited depth, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during occasional temporary submersion at a limited depth; undamaged by the external formation of ice on the enclosure.
Type 6P	Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against hose-directed water and the entry of water during prolonged submersion at a limited depth; and that will be undamaged by the external formation of ice on the enclosure.	Indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth, and damage from external ice formation.	An enclosure for either indoor or outdoor use, constructed so as to provide a degree of protection against the entry of water during prolonged submersion at a limited depth; undamage by the external formation of ice on the enclosure; resists extended corrosion.
Type 12	Enclosures constructed (without knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts.
Type 12K	Enclosures constructed (with knockouts) for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against dripping and light splashing of liquids.	Indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint fibers, and flyings; dripping and light splashing of non-corrosive liquids; and provided with knockouts.
Type 13	Enclosures constructed for indoor use to provide a degree of protection to personnel against incidental contact with the enclosed equipment; to provide a degree of protection against falling dirt; against circulating dust, lint, fibers, and flyings; and against the spraying, splashing, and see page of water, oil, and non-corrosive coolants.	Indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and non-corrosive coolant.	An enclosure for indoor use, constructed so as to provide a degree of protection against circulating dust, lint, fibers, and flyings; see page and spraying of non-corrosive liquids including oils and coolants.

Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations

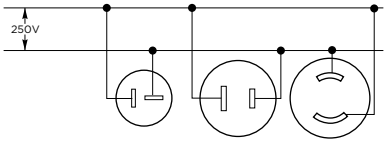
(Configurations shown are for female devices)

125V – 2P, 2W



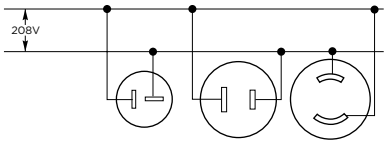
ANSI/NEMA WD-6 1-15R L1-15R ML1-R

250V – 2P, 2W



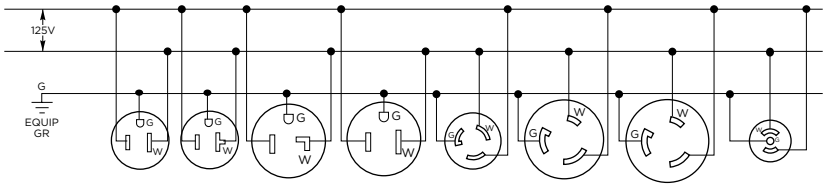
ANSI/NEMA WD-6 2-20R 2-30R L2-20R

208V AC Line-to-Line* – 2P, 2W



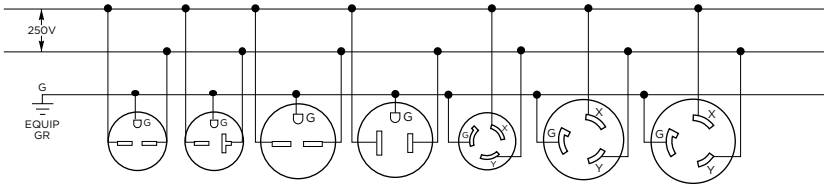
ANSI/NEMA WD-6 2-20R 2-30R L2-20R

125V – 2P, 3W – Grounding



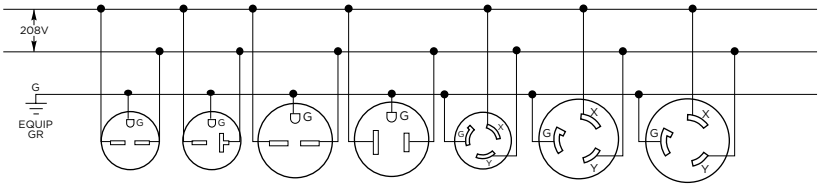
ANSI/NEMA WD-6 5-15R 5-20R 5-30R 5-50R L5-15R L5-20R L5-30R ML2-R

250V – 2P, 3W – Grounding



ANSI/NEMA WD-6 6-15R 6-20R 6-30R 6-50R L6-15R L6-20R L6-30R

208V AC Line-to-Line* – 2P, 3W – Grounding



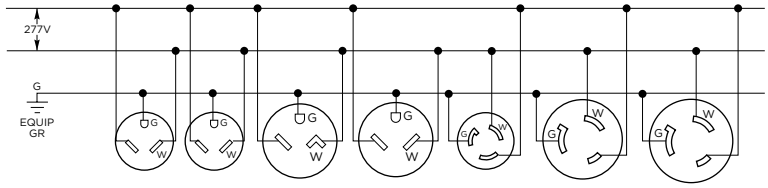
ANSI/NEMA WD-6 6-15R 6-20R 6-30R 6-50R L6-15R L6-20R L6-30R

*Note: *Does NOT encompass 208V AC Line-to-Neutral.*
The above diagrams are intended to show device terminal identification only.

Wiring Diagrams for NEMA Configurations

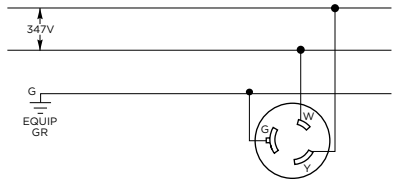
(Configurations shown are for female devices)

277V AC – 2P, 3W – Grounding



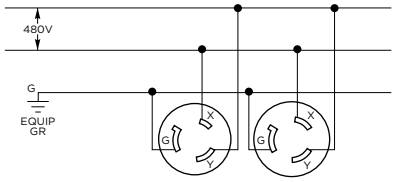
ANSI/NEMA WD-6 7-15R 7-20R 7-30R 7-50R L7-15R L7-20R L7-30R

347V AC – 2P, 3W – Grounding



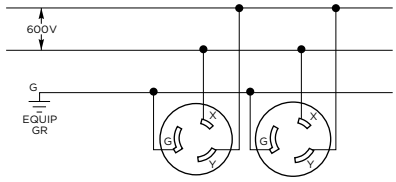
ANSI/NEMA WD-6 L24-20R

480V AC – 2P, 3W – Grounding



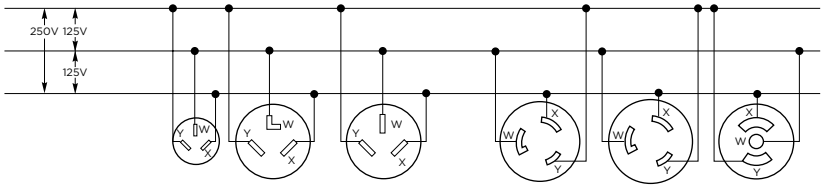
ANSI/NEMA WD-6 L8-20R L8-30R

600V AC – 2P, 3W – Grounding



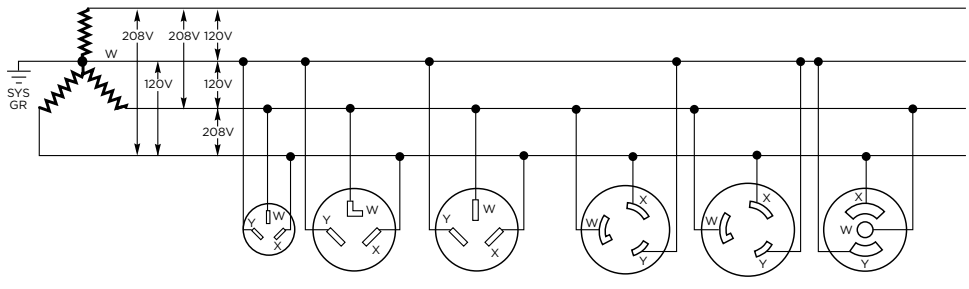
ANSI/NEMA WD-6 L9-20R L9-30R

125/250V – 3P, 3W



ANSI/NEMA WD-6 10-20R 10-30R 10-50R L10-20R L10-30R ML3-R

1Ø 120/208YV AC – 3P, 3W



ANSI/NEMA WD-6 10-20R 10-30R 10-50R L10-20R L10-30R ML3-R

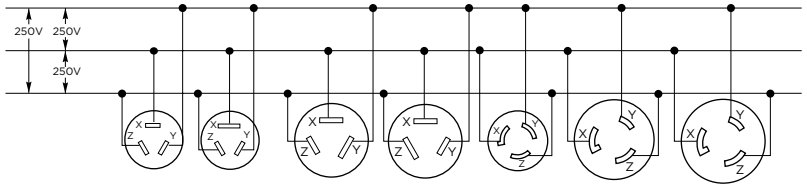
Note: The above diagrams are intended to show device terminal identification only.

Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations

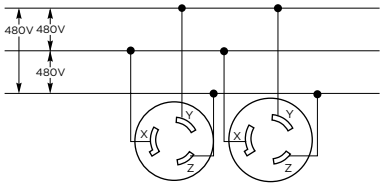
(Configurations shown are for female devices)

3Ø 250V AC – 3P, 3W



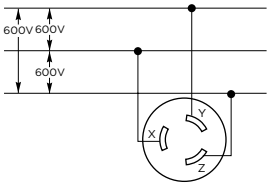
ANSI/NEMA WD-6 11-15R 11-20R 11-30R 11-50R L11-15R L11-20R L11-30R

3Ø 480V AC – 3P, 3W



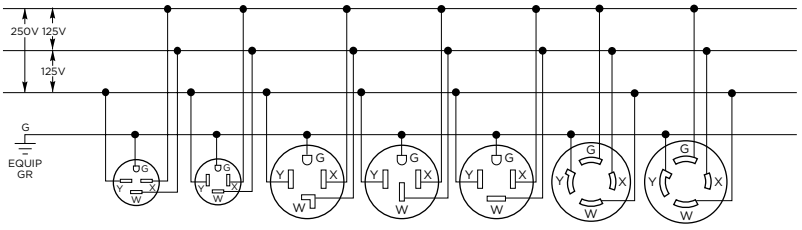
ANSI/NEMA WD-6 L12-20R L12-30R

3Ø 600V AC – 3P, 3W



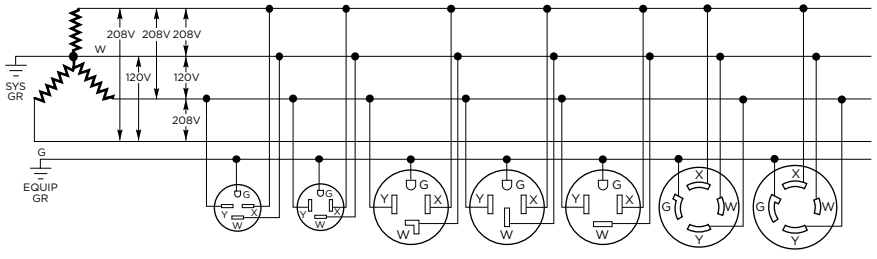
ANSI/NEMA WD-6 L13-30R

125/250V – 3P, 4W



ANSI/NEMA WD-6 14-15R 14-20R 14-30R 14-50R L14-15R L14-20R L14-30R

1Ø 120/208YV AC – 3P, 4W – Grounding



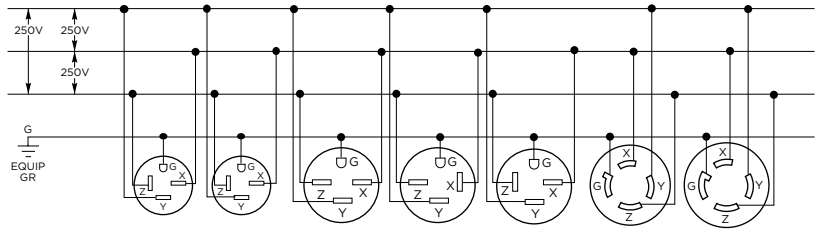
ANSI/NEMA WD-6 14-15R 14-20R 14-30R 14-50R 14-60R L14-20R L14-30R

Note: The above diagrams are intended to show device terminal identification only.

Wiring Diagrams for NEMA Configurations

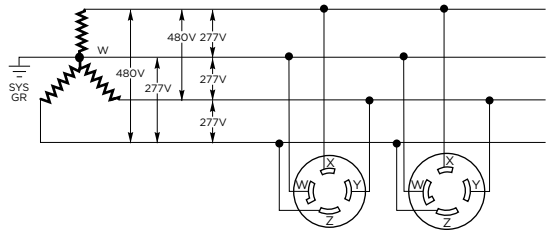
(Configurations shown are for female devices)

3Ø 250V – 3P, 4W – Grounding



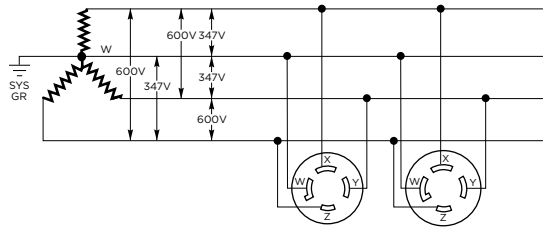
ANSI/NEMA WD-6 15-15R 15-20R 15-30R 15-50R 15-60R L15-20R L15-30R

3ØY 277/480V AC – 4P, 4W



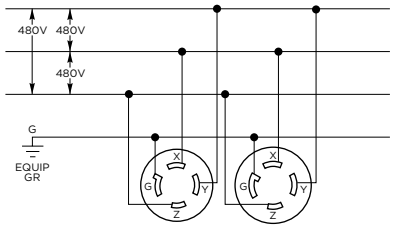
ANSI/NEMA WD-6 L19-20R L19-30R

3ØY 347/600V AC – 4P, 4W



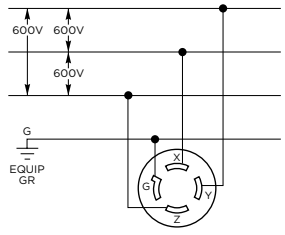
ANSI/NEMA WD-6 L20-20R L20-30R

3Ø 480V AC – 3P, 4W – Grounding



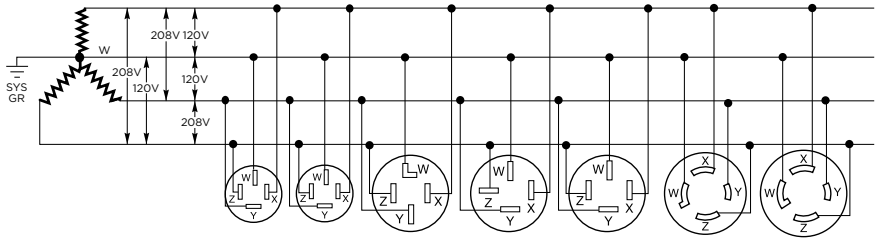
ANSI/NEMA WD-6 L16-20R L16-30R

3Ø 600V AC – 3P, 4W – Grounding



ANSI/NEMA WD-6 L17-30R

3ØY 120/208V AC – 4P, 4W



ANSI/NEMA WD-6 18-15R 18-20R 18-30R 18-50R 18-60R L18-20R L18-30R

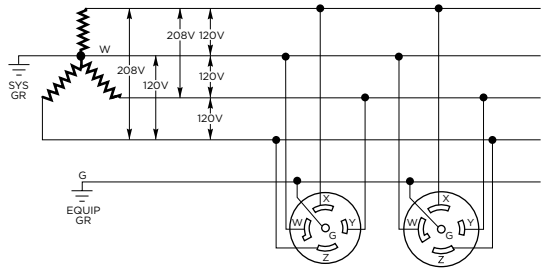
Note: The above diagrams are intended to show device terminal identification only.

Circuit Wiring Diagrams

Wiring Diagrams for NEMA Configurations

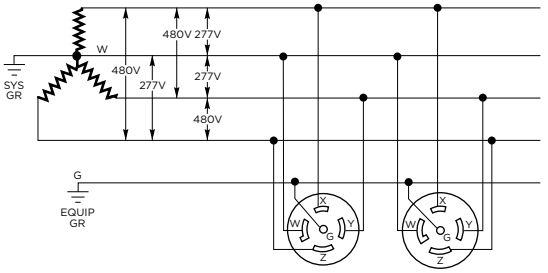
(Configurations shown are for female devices)

3ØY 120/208V AC – 4P, 5W – Grounding



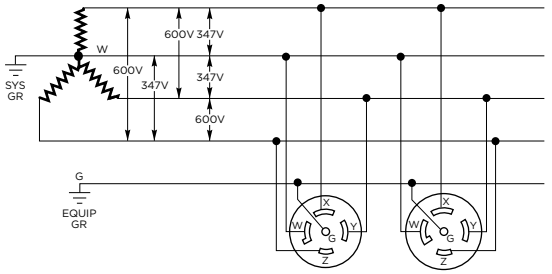
ANSI/NEMA WD-6 L21-20R L21-30R

3ØY 277/480V AC – 4P, 5W – Grounding



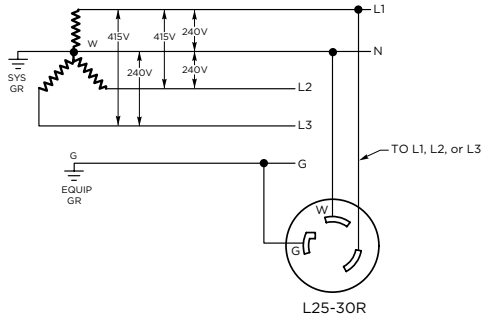
ANSI/NEMA WD-6 L22-20R L22-30R

3ØY 347/600V AC – 4P, 5W – Grounding



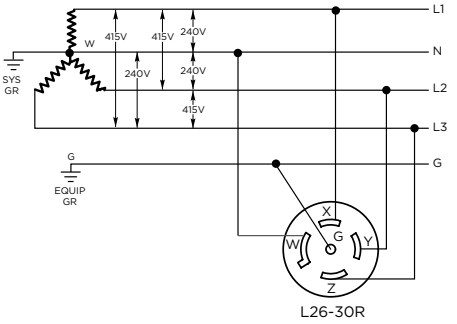
ANSI/NEMA WD-6 L23-20R L23-30R

3ØY 220/380V AC – 4P, 5W – Grounding



L25-30R

3ØY 240/415V AC – 4P, 5W – Grounding



L26-30R

Note: The above diagrams are intended to show device terminal identification only.

Horsepower Ratings and UL 508A Table SB4.1

Horsepower Ratings for NEMA Configurations – Plugs and Receptacles Only

Straight Blade				Locking			
NEMA Configuration	AC HP Rating[1]	NEMA Configuration	AC HP Rating[1]	NEMA Configuration	AC HP Rating[1]	NEMA Configuration	AC HP Rating[1]
1-15	0.5	11-15 11-20 11-30 11-50	2 3 3 7.5	L1-15	0.5	L11-15 L11-20 L11-30	2 3 3
2-15 2-20 2-30	1.5* 2* 2*			L2-20	2*		
				L5-15 L5-20 L5-30	0.5 1 2		
5-15 5-20 5-30 5-50	0.5 1 2 2	14-15	1.5 L-L* 0.5 L-N			L12-20 L12-30	5 10
		14-20	2 L-L* 1 L-N	L6-15 L6-20 L6-30	1.5* 2* 2*	L14-20	2 L-L* 1 L-N
6-15 6-20 6-30 6-50	1.5* 2* 2* 3*	14-30	2 L-L* 2 L-N	L7-15 L7-20 L7-30	2 2 3	L14-30	2 L-L* 2 L-N
						L15-20 L15-30	3 3
7-15 7-20 7-30 7-50	2 2 3 5	14-50	3 L-L* 2 L-N	L8-20 L8-30	3 5	L16-20 L16-30	5 10
		14-60	3 L-L* 2 L-N			L18-20 L18-30	2 3
		15-15 15-20 15-30 15-50 15-60	2 3 3 7.5 10			L19-20 L19-30	5 10
10-20	2 L-L* 1 L-N			L10-20	2 L-L* 1 L-N	L21-20 L21-30	2 3
10-30	2 L-L* 2 L-N	18-15 18-20 18-30 18-50 18-60	2 2 3 7.5 7.5	L10-30	2 L-L* 2 L-N	L22-20 L22-30	5 10
10-50	3 L-L* 2 L-N					L25-30	2
						L26-30	7.5

Note: The phase to phase horsepower ratings are noted "L-L". The phase to neutral ratings are identified "L-N".
**Also suitable for 208V Line-to-Line, not 208V Line-to-Neutral.*

UL 231 Table 2.1, UL 508A Table SB4.1, UL 891 Table 16 - Assumed Maximum Short Circuit Current Rating for Unmarked Components When Used in UL 231 Power Outlets, UL 508A Industrial Control Panels, and UL 891 Switchboards

Component	Short Circuit Current Rating, kA
Bus bars	10
Circuit breaker (including GFCI type)	5
Current meters	a
Current shunt	10
Fuseholder	10
Industrial control equipment:	
a. Auxiliary devices (overload relay)	5
b. Switches (other than mercury tube type)	5
c. Mercury tube switches	
- Rated over 60 amperes or over 250 volts	5
- Rated 250 volts or less, 60 amperes or less, and over 2 kVA	3.5
- Rated 250 volts or less and 2 kVA or less	1
Motor controller, rated in horsepower (kW)	
a. 0 – 50 (0 – 37.3)	5c
b. 51 – 200 (38 – 149)	10c
c. 201 – 400 (150 – 298)	18c
d. 401 – 600 (299 – 447)	30c
e. 601 – 900 (448 – 671)	42c
f. 901 – 1500 (672 – 1193)	85c
Meter socket base	10
Miniature or miscellaneous fuse	10b
Receptacle (GFCI type)	2
Receptacle (other than GFCI type)	10
Supplementary protector	0.2
Switch unit	5
Terminal block or power distribution block	10

Note: a. A short circuit current rating is not required when connected via a current transformer or current shunt. A directly connected current meter shall have a marked short circuit current rating.
b. The use of a miniature fuse is limited to 125-volt circuits.
c. Standard fault current rating for motor controller rated within specified horsepower range.

Isolated Ground

Hubbell Isolated Ground Receptacles

Why do you need an isolated ground device?
When mounting a conventional receptacle in a steel box, the ground is commonly established through the existing electrical system. This is done by using either the grounding clip on the receptacle's mounting strap, or by running a ground wire (which is part of the "normal" existing system) to the green grounding screw.

In a conventional receptacle the grounding contacts are connected to the mounting strap and the green grounding screw. Thus, even when a separate green wire is brought to the receptacle, it is still tied into the normal ground. This occurs since the mounting strap is in contact with the box grounding system, therefore, a "pure" isolated path to the ground is not established.

The Problem

The conventional grounding receptacle provides safety for personnel and equipment. However, the ground network also serves as a giant antenna and conductor of electrical noise. This electrical noise is electromagnetic interference and is caused by numerous transient ground currents. This can produce random transient electrical signals on the grounding system.

As a result, sensitive electronic equipment such as point of purchase terminals, accounting machines, computers and highly sensitive medical and communications equipment, can pick up these transient signals. This can interfere with the proper operation of the equipment.

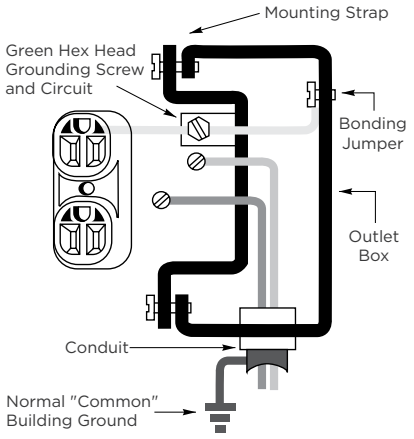
The Solution

The isolated ground receptacle is similar to a conventional receptacle except for one important change. Insulating barrier construction, first patented by Hubbell, isolates the ground contacts from the mounting strap. The green grounding screw is connected directly to the grounding contacts. The isolated equipment grounding circuit is completed by running an isolated ground wire to the green grounding screw. This ground wire passes through intermediate panel boards without being connected to their grounding terminal and terminates directly at an equipment grounding conductor terminal of the derived system or service, in accordance with NEC® requirements.

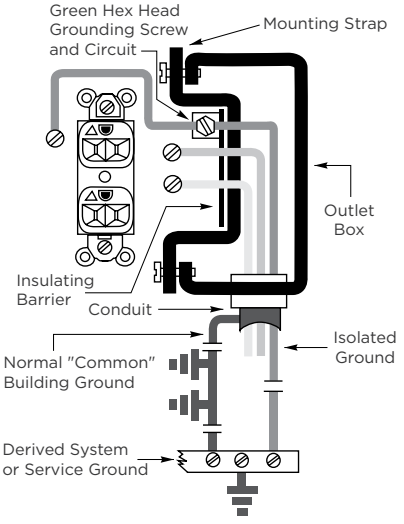
The Result

This "isolated ground" can be kept relatively free of electrical noise. This is achieved since the grounding network has less branches, fewer sources of noise, and is connected to the ground at a single point.

Conventional Receptacle



Isolated Ground Receptacle



NEC® is a registered trademark of the National Fire Protection Association (NFPA).

Decimal Equivalents Table

Decimal Equivalents Table

Inches	Inches	Millimeters
1/64	0.015625	0.3969
1/32	0.03125	0.7938
3/64	0.046875	1.1906
1/16	0.0625	1.5875
5/64	0.078125	1.9844
3/32	0.09375	2.3813
7/64	0.109375	2.7781
1/8	0.125	3.175
9/64	0.140625	3.5719
5/32	0.15625	3.9688
11/64	0.171875	4.3656
3/16	0.1875	4.7625
13/64	0.203125	5.1594
7/32	0.21875	5.5563
15/64	0.234375	5.9531
1/4	0.25	6.35
17/64	0.265625	6.7469
9/32	0.28125	7.1438
19/64	0.296875	7.5406
5/16	0.3125	7.9375
21/64	0.328125	8.3344
11/32	0.34375	8.7313
23/64	0.359375	9.1281
3/8	0.375	9.525
25/64	0.390625	9.9219
13/32	0.40625	10.3188
27/64	0.421875	10.7156
7/16	0.4375	11.1125
29/64	0.453125	11.5094
15/32	0.46875	11.9063
31/64	0.484375	12.3031
1/2	0.5	12.7

Inches	Inches	Millimeters
33/64	0.515625	13.0969
17/32	0.53125	13.4938
35/64	0.546875	13.8906
9/16	0.5625	14.2875
37/64	0.578125	14.6844
19/32	0.59375	15.0813
39/64	0.609375	15.4781
5/8	0.625	15.875
41/64	0.640625	16.2719
21/32	0.65625	16.6688
43/64	0.671875	17.0656
11/16	0.6875	17.4625
45/64	0.703125	17.8594
23/32	0.71875	18.2563
47/64	0.734375	18.6531
3/4	0.75	19.05
49/64	0.765625	19.4469
25/32	0.78125	19.8438
51/64	0.796875	20.2406
13/16	0.8125	20.6375
53/64	0.828125	21.0344
27/32	0.84375	21.4313
55/64	0.859375	21.8281
7/8	0.875	22.225
57/64	0.890625	22.6219
29/32	0.90625	23.0188
59/64	0.921875	23.4156
15/16	0.9375	23.8125
61/64	0.953125	24.2094
31/32	0.96875	24.6063
63/64	0.984375	25.0031
1	1	25.4

Electrical Symbols and Abbreviations

General Outlets

Ceiling Wall

○ -○	Lighting Outlet
Ⓑ -Ⓑ	Blanked outlet
Ⓓ	Deep cord
Ⓔ -Ⓔ	Electrical outlet: for use only when circle used alone might be confused with columns, plumbing symbols, etc.
Ⓕ -Ⓕ	Fan outlet
Ⓙ -Ⓙ	Junction box
Ⓛ -Ⓛ	Lamp holder
$Ⓛ_{ps}$ $-Ⓛ_{ps}$	Lamp holder with pull switch
Ⓢ -Ⓢ	Pull switch
Ⓥ -Ⓥ	Outlet for vapor discharge lamp
Ⓧ -Ⓧ	Exit light outlet
Ⓒ -Ⓒ	Clock outlet (specify voltage)

Convenience Outlets

⊖	Duplex convenience outlet
$⊖_{1,3}$	Convenience outlet other than duplex 1-single, 3-triplex, etc.
$⊖_{WP}$	Weatherproof convenience outlet
$⊖_{R}$	Range outlet
$⊖_{S}$	Switch and convenience outlet
⊖R	Radio and convenience outlet
⊖▲	Special purpose outlet (Des. in Spec.)
⊡	Floor outlet

Switch Outlets

S	Single pole switch
S_2	Double pole switch
S_3	Three way switch
S_4	Four way switch
S_D	Automatic door switch
S_E	Electrolier switch
S_K	Key operated switch
S_P	Switch and pilot lamp
S_{CB}	Circuit breaker switch
S_{WCB}	Weatherproof circuit breaker
S_{MC}	Momentary contact switch
S_{RC}	Remote control switch
S_{WP}	Weatherproof switch
S_F	Fused switch
S_{WF}	Weatherproof fused switch

Special Outlets

Any standard symbol as given above with the addition of a lower case subscript letter may be used to designate some special variation of standard equipment of particular interest in a specific set of architectural plans.

$○_{a,b,c,etc}$ $⊖_{a,b,c,etc\ Sa,b,c,etc}$	When used they must be listed in the Key of Symbols on each drawing and if necessary further described in the specifications.

Panels, Circuits and Miscellaneous

■	Lighting panel
▨	Power panel
——	Branch circuit; concealed in ceiling or wall
—·—	Branch circuit; concealed in floor
------	Branch circuit; exposed
→→	Home run to panel board. Indicated number of circuits by number of arrows. *Note: Any circuit without further designation indicates a two-wire circuit. For a greater number of wires indicate as follows: ⫽(3 wires) ⫽⫽(4 wires), etc.*
▬	Feeders *Note: Use heavy lines and designate by number of corresponding to listing in feeder schedule.*
⊟	Underfloor duct and junction box. Triple system *Note: For double or single systems eliminate one or two lines. This symbol is equally adaptable to auxiliary system layouts.*
Ⓖ	Generator
Ⓜ	Motor
Ⓘ	Instrument
Ⓣ	Power transformer (or draw to scale)
⊠	Controller
⊓	Isolating switch

Auxiliary Systems

⊡	Push Button	⊐/	Buzzer
⊐	Bell	◇	Annunciator
◀	Outside telephone		
K	Interconnecting telephone		
K	Telephone switchboard		
Ⓣ	Bell ringing transformer		
D	Electric door opener		
F	Fire alarm bell	F	Fire alarm station
⧗	City fire alarm station		
FA	Fire alarm central station		
FS	Automatic fire alarm device		
W	Watchman's station		
W	Watchman's central station		
H	Horn		
N	Nurse's signal plug	M	Nurse's signal plug
R	Radio outlet		
SC	Signal central section		
▭	Interconnection box	⫼	Battery
_·_·_	Auxiliary system circuits.		

Note: Any line without further designation indicates a 2-wire system. For a greater number of wires designate with numerals in manner similar to – – – 12-No. 18 W-3'4"C, or designate by number corresponding to listing in schedule.

Special auxiliary Outlets

$□_{a,b,c,}$	Subscript letters refer to notes on plans or detailed description in specifications.

Diameter Ranges of Jacketed Cord and Wire Charts

Diameter Ranges of Jacketed Cord Chart - In Accordance with Standard UL62

Acceptable range in inches (mm) of the average overall diameter of round, jacketed heater cords and non-retractile vacuum cleaner and service cords.

Type of Cord	AWG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
SV, SVE, SVEO, SVOO	18	.22"-.26" (5.6-6.6)	.23"-.27" (5.8-6.9)	—	—
SVO, SVT, SVTOO, SVTO	16	.25"-.28" (6.2-7.1)	.26"-.30" (6.6-7.5)	—	—
SJ, SJE, SJOO, SJO, SJEO,	18	.28"-.32" (7.1-8.1)	.30"-.34" (7.6-8.6)	.33"-.37" (8.4-9.4)	—
SJEOOSJT, SJTO, SJTOO,	16	.31"-.34" (7.9-8.6)	.33"-.36" (8.4-9.1)	.35"-.40" (8.9-10.2)	—
SJEW, SJOOW, SJOW,	14	.34"-.38" (8.6-9.7)	.36"-.40" (9.1-10.2)	.39"-.44" (9.9-11.2)	—
SJEOW, SJEOOW, SJTW,	12	.41"-.46" (10.4-11.7)	.43"-.48" (10.9-12.2)	.47"-.52" (11.9-13.2)	—
SJTOW, SJTOOW	10	.54"-.61" (13.7-15.5)	.57"-.64" (14.5-16.3)	.63"-.70" (16.0-17.8)	—
S, SE, SOO, SEO, SEOO, ST	18	.34"-.39" (8.6-9.9)	.36"-.40" (9.1-10.2)	.39"-.43" (9.9-10.9)	.46"-.51" (11.7-13.0)
STOO, STO, SEW, SOOW,	16	.37"-.41" (9.4-10.4)	.39"-.43" (9.9-10.9)	.41"-.46" (10.4-11.7)	.49"-.55" (12.4-14.0)
SOW, SEOW, SEOOW, STW,	14	.50"-.55" (12.7-14.0)	.52"-.58" (13.2-14.7)	.56"-.62" (14.2-15.7)	.63"-.71" (16.0-18.0)
STOOW, STOW	12	.57"-.63" (14.5-16.0)	.59"-.66" (15.0-16.8)	.64"-.71" (16.3-18.0)	.70"-.77" (17.8-19.6)
	10	.62"-.69" (15.7-17.5)	.65"-.72" (16.5-18.3)	.70"-.78" (17.8-19.8)	.76"-.84" (19.3-21.3)
	8	.78"-.88" (19.8-22.4)	.83"-.93" (21.1-23.6)	.93"-1.05" (23.6-26.7)	1.00"-1.15" (25.4-29.2)
	6	.92"-1.05" (23.4-26.7)	.97"-1.10" (24.6-27.9)	1.05"-1.20" (26.7-30.5)	1.18"-1.33" (30.0-33.8)
	4	1.06"-1.21" (26.9-30.7)	1.13"-1.28" (28.7-32.5)	1.25"-1.45" (31.8-36.8)	—
	2	1.21"-1.40" (30.7-35.6)	1.30"-1.50" (33.0-38.1)	1.45"-1.65" (36.8-41.9)	—

Nominal Diameters of Round Portable Power Cable - In Accordance with Standard CSA-C22.2 No. 96

Type of Cord	AWG Size	2 Conductor	3 Conductor	4 Conductor	5 Conductor
W, G, G-GC, G-BGC, PPC	6	0.945" (24.0)	0.984" (25.0)	1.102" (28.0)	1.220" (31.0)
	4	1.063" (27.0)	1.142" (29.0)	1.260" (32.0)	1.417" (36.0)
	3	1.181" (30.0)	1.220" (31.0)	1.339" (34.0)	1.496" (38.0)
	2	1.260" (32.0)	1.339" (34.0)	1.496" (38.0)	1.614" (41.0)
	1	1.339" (34.0)	1.496" (38.0)	1.654" (42.0)	1.890" (48.0)
	1/0	1.417" (36.0)	1.614" (41.0)	1.772" (45.0)	1.929" (49.0)
	2/0	1.535" (39.0)	1.732" (44.0)	1.929" (49.0)	2.047" (52.0)
	3/0	1.654" (42.0)	1.890" (48.0)	2.047" (52.0)	2.244" (57.0)
	4/0	1.772" (45.0)	2.008" (51.0)	2.244" (57.0)	2.441" (62.0)

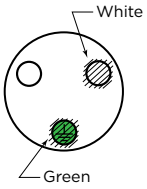
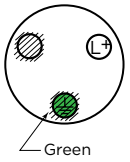
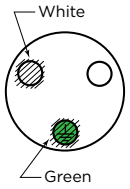
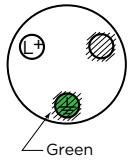
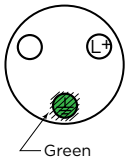
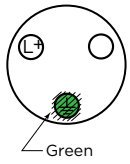
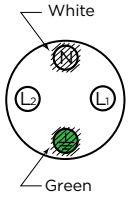
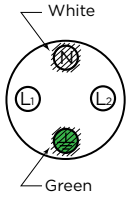
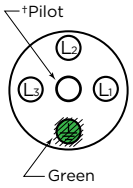
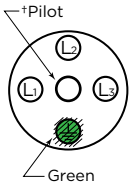
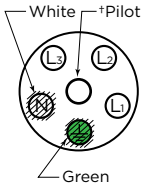
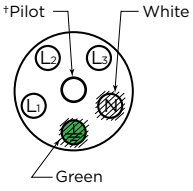
Wire Types Approximate Diameter in Inches (mm)*

Size (AWG or kcmil)	THHN, THWN, THWN-2 Inches (mm)	TW, THHW, THW, THW-2 Inches (mm)	XHHW, ZW, XHHW-2, XHH Inches (mm)
12	0.130 (3.302)	0.152 (3.861)	0.152 (3.861)
10	0.164 (4.166)	0.176 (4.470)	0.176 (4.470)
8	0.216 (5.486)	0.236 (5.994)	0.236 (5.994)
6	0.254 (6.452)	0.304 (7.722)	0.274 (6.960)
4	0.324 (8.230)	0.352 (8.941)	0.322 (8.179)
3	0.352 (8.941)	0.380 (9.652)	0.350 (8.890)
2	0.384 (9.754)	0.412 (10.46)	0.382 (9.703)
1	0.446 (11.23)	0.492 (12.50	0.442 (11.23)
1/0	0.486 (12.34)	0.532 (13.51)	0.482 (12.34)
2/0	0.532 (13.51)	0.578 (14.68)	0.528 (13.41)
3/0	0.584 (14.83)	0.630 (16.00)	0.580 (14.73)
4/0	0.642 (16.31)	0.688 (17.48)	0.638 (16.21)
250	0.711 (18.06)	0.765 (19.43)	0.705 (17.91)
300	0.766 (19.46)	0.820 (20.83)	0.760 (19.30)
350	0.817 (20.75)	0.871 (22.12)	0.811 (26.60)
400	0.864 (21.95)	0.918 (23.32)	0.858 (21.79)
500	0.949 (24.10)	1.003 (25.48)	0.943 (23.95)
600	1.051 (26.70)	1.113 (28.27)	1.053 (26.75)
700	1.122 (28.50)	1.184 (30.07)	1.124 (25.55)
750	1.156 (29.36)	1.218 (30.94)	1.158 (29.41)
800	1.188 (30.18)	1.250 (31.75)	1.190 (30.23)
900	1.252 (31.80)	1.314 (33.38)	1.254 (31.85)
1000	1.310 (33.27)	1.372 (34.85)	1.312 (33.32)

*Note: *Information sourced from the National Electrical Code.*

IEC Pin and Sleeve Terminal Identification

IEC Pin and Sleeve Terminal Identification – Rear View

Description	Rating		Terminal Marking Pattern*			
			Receptacle and Connector		Plug and Inlet	
	Domestic	International	Domestic	International	Domestic	International
3 Wire	125V AC 277V AC	100-130V				
3 Wire	250V AC 480V AC 600V AC	200-250V 380-415V AC				
4 Wire	125/250V AC 1ØY 120/208V	—				
4 Wire	(3Ø Δ) 250V AC 480V AC 600V AC	380-415V AC				
5 Wire	(3ØY) 120/208V AC 277/480V AC 347/600V AC	220/380V 50Hz 250/440V 60Hz 200/346V to 240/415V 50 and 60Hz				

*Note: *Location of grounding contact position will change as clock positions assigned to specific voltages change.*
†Pilot contacts supplied on 4 and 5 wire, 63 and 125 Amp international rated devices.

Horsepower Ratings for Hubbell IEC Pin and Sleeve Devices*

Single Phase

Amps	Wire Count	Voltage	Clock	Catalog Number	New HP Rating
20	3	125V	4	**HBL320x4W**	1
20	3	250V	6	**HBL320x6W**	2
20	3	480V	7	**HBL320x7W**	5
20	4	125/250 (208L-L)	12	**HBL420x12W**	2
20	4	125/250 (250L-L)	12	**HBL420x12W**	2
20	4	125/250 (125L-N)	12	**HBL420x12W**	1
30	3	125V	4	**HBL330x4W**	2
30	3	250V	6	**HBL330x6W**	3
30	3	480V	7	**HBL330x7W**	7.5
30	3	550VDC	8	**HBL330x8**	N/A
30	4	125/250 (208L-L)	12	**HBL430x12W**	3
30	4	125/250 (250L-L)	12	**HBL430x12W**	3
30	4	125/250 (125L-N)	12	**HBL430x12W**	2
60	3	125V	4	**HBL360x4W**	2
60	3	250V	6	**HBL360x6W**	3
60	3	480V	7	**HBL360x7W**	7.5
60	3	250VDC	3	**HBL360x3W**	N/A
60	3	550VDC	8	**HBL360x8W**	N/A
60	4	125/250 (208L-L)	12	**HBL460x12W**	3
60	4	125/250 (250L-L)	12	**HBL460x12W**	3
60	4	125/250 (125L-N)	12	**HBL460x12W**	2
100	3	125V	4	**HBL3100x4W**	5
100	3	250V	6	**HBL3100x6W**	15
100	3	480V	7	**HBL3100x7W**	30
100	3	250VDC	3	**HBL3100x3W**	N/A
100	3	550VDC	8	**HBL3100x8W**	N/A
100	4	125/250 (208L-L)	12	**HBL4100x12W**	10
100	4	125/250 (250L-L)	12	**HBL4100x12W**	15
100	4	125/250 (125L-N)	12	**HBL4100x12W**	5

3-Phase

Amps	Wire Count	Voltage	Clock	Catalog Number	Present HP Rating	New HP Rating
20	4	3Ø 250V	9	**HBL420x9W**	2	5
20	4	3Ø 480V	7	**HBL420x7W**	5	10
20	4	3Ø 600V	5	**HBL420x5W**	7.5	10
20	4	3Ø 380-415V	6	**HBL420x6W**	-	7.5
20	5	3ØY 120/208V	9	**HBL520x9W**	0.5	3
20	5	3ØY 277/480V	7	**HBL520x7W**	5	10
20	5	3ØY 347/600V	5	**HBL520x5W**	7.5	10
20	5	3Ø 240/415V	6	**HBL520x6W**	-	5
30	4	3Ø 250V	9	**HBL430x9W**	3	7.5
30	4	3Ø 480V	7	**HBL430x7W**	7.5	15
30	4	3Ø 600V	5	**HBL430x5W**	10	20
30	5	3ØY 120/208V	9	**HBL530x9W**	2	5
30	5	3ØY 277/480V	7	**HBL530x7W**	7.5	15
30	5	3ØY 347/600V	5	**HBL530x5W**	10	20
30	4	3Ø 380/415V	6	**HBL430x6W**	-	10
30	5	3Ø 200/346-240/415	6	**HBL530x6W**	-	10
60	4	3Ø 250V	9	**HBL460x9W**	5	7.5
60	4	3Ø 480V	7	**HBL460x7W**	10	20
60	4	3Ø 600V	5	**HBL460x5W**	15	25
60	4	3Ø 380-415VAC	6	**HBL460x6W**	-	10
60	5	3ØY 120/208V	9	**HBL560x9W**	3	7.5
60	5	3ØY 277/480V	7	**HBL560x7W**	10	20
60	5	3ØY 347/600V	5	**HBL560x5W**	15	25
60	5	3Ø 200/346-240/415	6	**HBL560x6W**	-	10
100	4	3Ø 250V	9	**HBL4100x9W**	10	15
100	4	3Ø 480V	7	**HBL4100x7W**	30	40
100	4	3Ø 600V	5	**HBL4100x5W**	30	50
100	4	3Ø 380-415V	6	**HBL4100x6W**	-	30
100	5	3ØY 200/346-240/415V	6	**HBL5100x6W**	-	30
100	5	400VDC	8	**HBL5100x8W**	-	N/A
100	5	3ØY 120/208V	9	**HBL5100x9W**	10	15
100	5	3ØY 277/480V	7	**HBL5100x7W**	30	40
100	5	3ØY 347/600V	5	**HBL5100x5W**	30	50

*Note: *Horsepower Ratings are NOT standardized amongst different Pin and Sleeve manufacturers.*

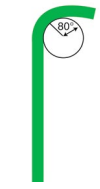
Network Cabling Requirements

Supported Media - International

Designation	ANSI/TIA-568-C	ISO/IEC 11801 Amend 2: 2010	CENELEC EN-50173-1: 2002
Category 3 (16 MHz)	Supported	Supported: Class C	Supported: Class C
Category 5e (100 MHz)	Supported	Supported: Class D	Supported: Class D
Category 6 (250 MHz)	Supported	Supported: Class E	Supported: Class E
Category 6A (500 MHz)	Supported	Supported: Class EA	Supported: Class EA
Category 7 (600 MHz)	Not Recognized	Supported: Class F	Supported: Class F
Category 7A (1,000 MHz)	Not Recognized	Supported: Class FA*	Supported: Class FA*
Category 8 (2,000 MHz)	Not Recognized	Supported: Class FA*	Supported: Class FA*
50/125 - 62.5/125 Multimode	Supported	Supported	Supported
Singlemode Fiber	Supported	Supported	Supported
Singlemode Fiber to the Work Area	Not Supported	Supported	Supported
Work Area Outlet Configuration	4 Pairs T568A or B	4 Pairs T568A Only	4 Pairs T568A Only
Stranded Patch Cord Attenuation	120% of Horiz. Cable	150% of Horiz. Cable	150% of Horiz. Cable

*Note: *Category 8 proposed in TIA 568-C.2-1 for 40 GBASE-T. ISO/IEC and cenelec to be determined. ISO/IEC and cenelec considering expanding Class FA frequency in addition to a considering new Class.*

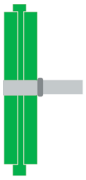
- Strip back only as much cable jacket as is required for termination and maintain pair twists as close as possible to the point of mechanical termination
- At a minimum, never allow untwisting of pairs as specified: Category 5e and 6/6A: 0.5 inch max.



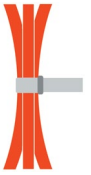
Maintain a minimum bend radius of 4x the cable diameter (4-pair cables)



Never exceed a 90 degree bend



Apply cable ties loosely and at random intervals



Don't over-tighten cable ties



Try to minimize the amount of jacket twisting



Don't over-twist cable, it can lead to torn jackets



Avoid stretching the cable



Don't exceed 25 lbs. of pulling tension

Use appropriate methods for dressing and securing cables:

- Cable ties
- Cable support bar
- Wire management panels
- Releasable straps

Don't use a staple gun to position cable

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EP-WDK-CAT-EN-02193 | 11/2025

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