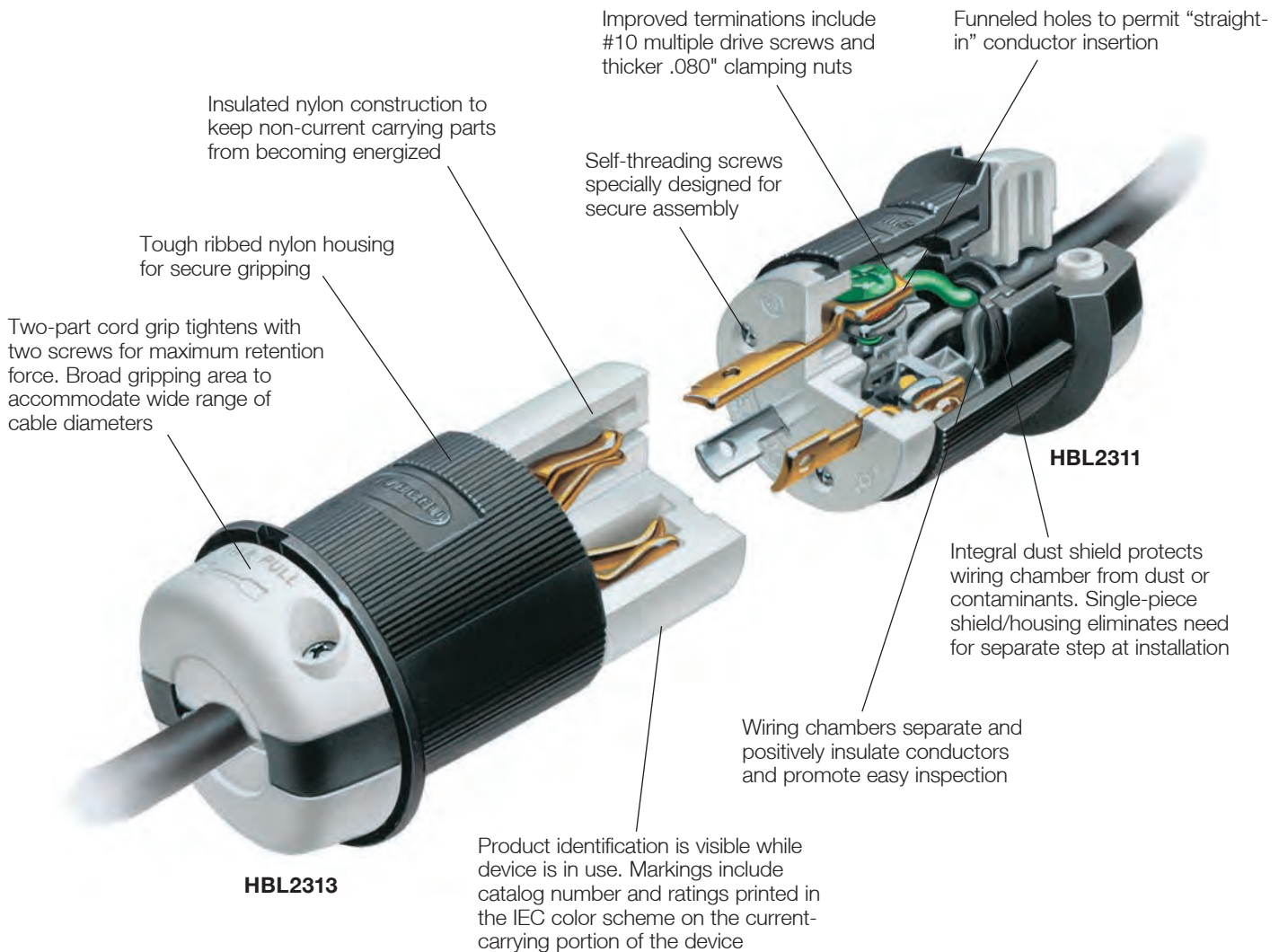


Twist-Lock® Devices 20 and 30 Ampere Plugs and Connector Bodies

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 restyled cord grips provide a clean, one-piece look, and actually make 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

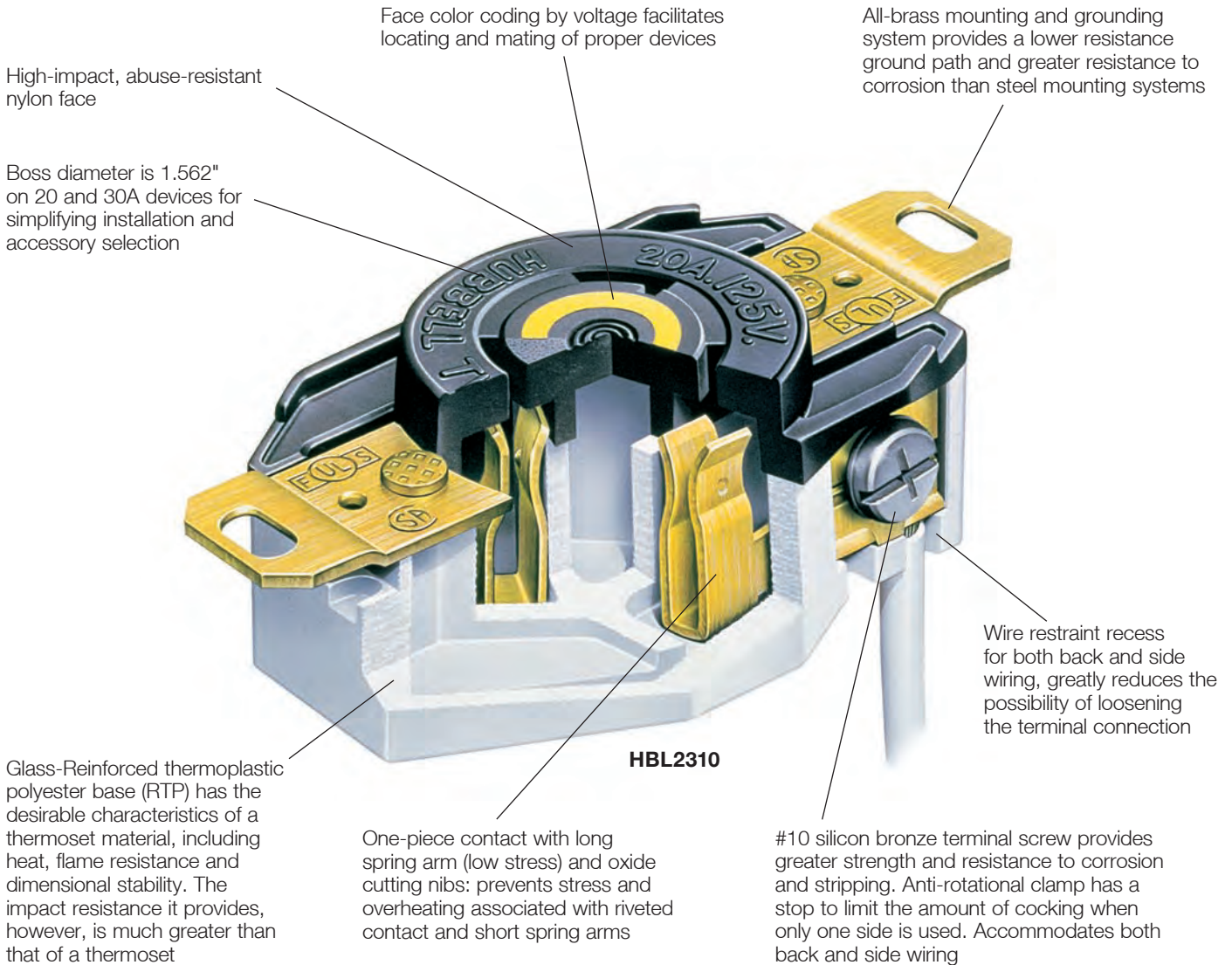
to the blade configuration, eliminating holes that attract debris. And finally, our dust shield provides additional protection from contamination.

Additional features that make Insulgrip the industry standard are our improved contacts that provide better terminations, an exclusive double rivet 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.

Twist-Lock® Devices The Standard for Locking Receptacles

Features and Benefits



Twist-Lock® receptacles combine functional design features, unparalleled quality to deliver pace-setting 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.

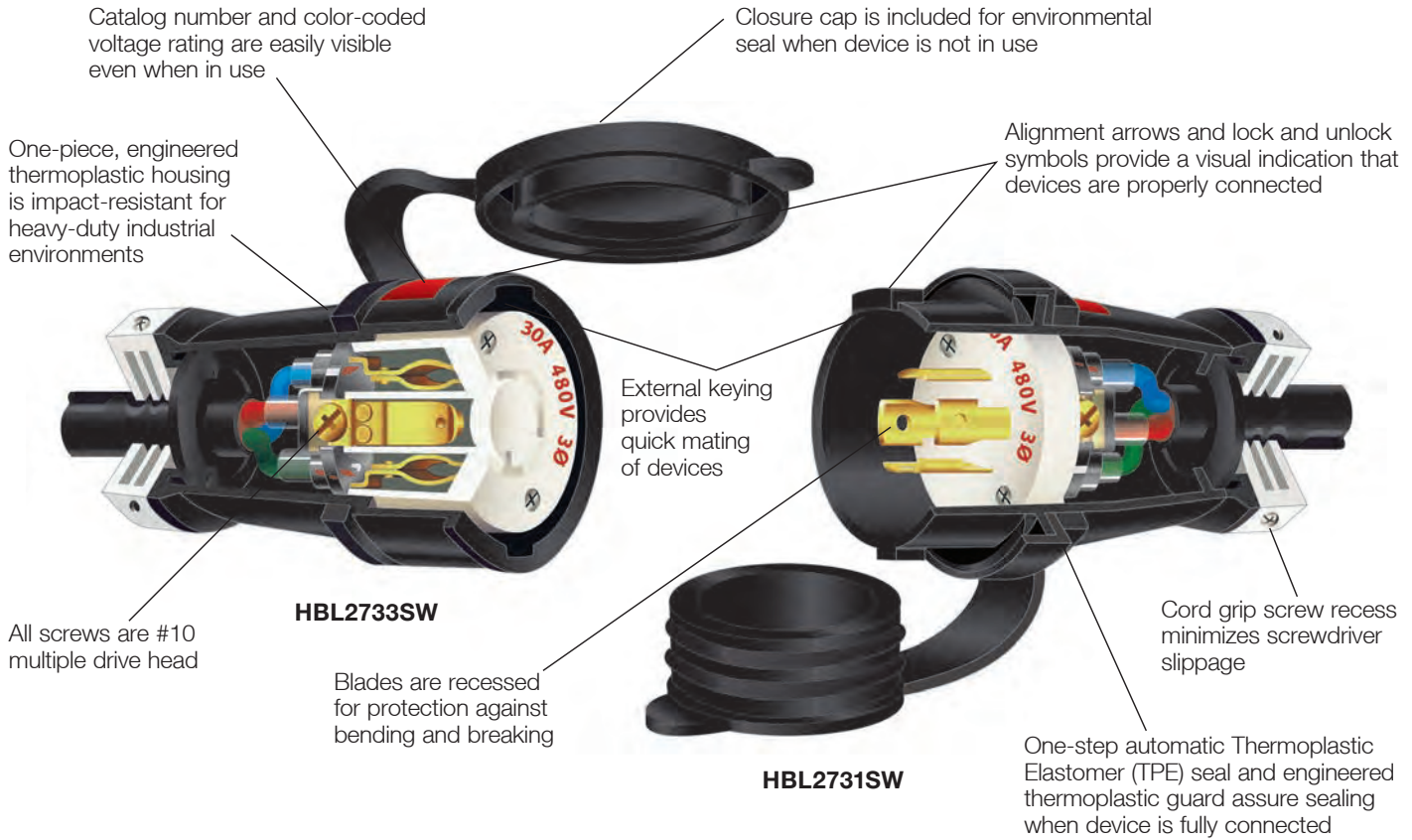
The materials used in every receptacle are of the highest quality. The all brass mounting system provides a safer, lower resistance ground path than those made of steel. The thick wall base is constructed of an engineered thermoplastic to offer the benefits of a thermoset, yet with much greater impact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



Twist-Lock® Devices Watertight Safety-Shroud® Twist-Lock® System

Features and Benefits



Note: Works with Mechanical Interlocks, see page B-39 for additional information.



TPE Gland Seal

Assorted glands accommodate a wide range of cord sizes from #16-3 Type SJ to #8-5 Type S, SO



Panel or Box Mount Receptacles and Inlets

- High impact, thermoplastic housing for heavy-duty industrial environments.
- Catalog number and color-coded voltage rating are easily visible when in use.
- Stainless Steel 302/304, #10 multiple drive head mounting screws provide corrosion resistance.
- Mounting screw recesses minimize screwdriver slippage.
- Lockout/tagout hole on inlets allow compliance to OSHA regulation 29 CFR 1910.147.
- TPE closure cap provided with inlets for environmental seal when not in use.
- Accepts all mating NEMA locking plugs and most connector bodies, allowing interchangeability with existing devices.



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

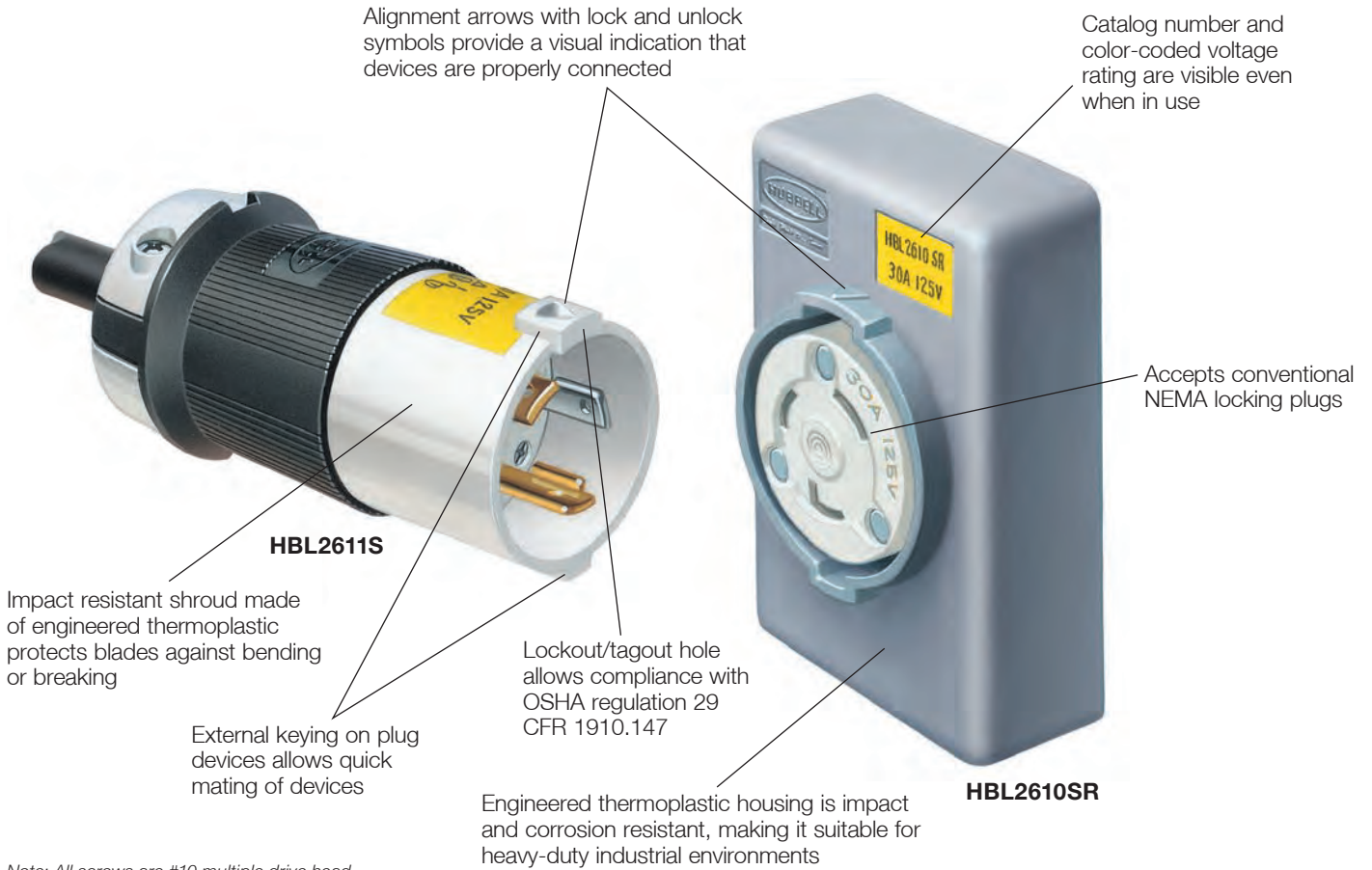


Safety-Shroud

- 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.
- Sealing gland and thermoplastic guard assure sealing when fully connected.



Twist-Lock® Devices
Safety-Shroud® Twist-Lock® System
 Features and Benefits



Safety-Shroud® Plug 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.

Safety-Shroud® Twist-Lock® Receptacles (Recommended Installations)

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.

The semi-flush receptacles install in (RACO type 242/255) boxes, with 1/2 raised 2-gang device mount covers (RACO type 778/841) and a 2-gang FD type box. Standard 4" and 4 1/16" square boxes 2 1/8" deep.






Twist-Lock® Devices
Compatibility and Environmental Protection Chart
 Watertight Safety-Shroud®, Safety-Shroud® and NEMA Devices

Twist-Lock® Receptacles



Twist-Lock® Connector Bodies



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.

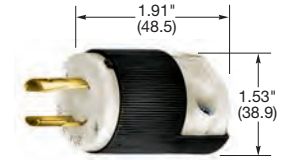


20A 250V
NEMA L2-20P
 UL Listed
 2 HP

Plugs

Description	Cord Dia.	Catalog Number
Black and white nylon, polarized. Multiple drive screws.	.220"-.720" (5.6-18.3)	HBL7102C

Note: See page B-49 for accessories.

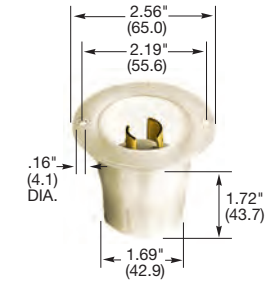


HBL7102C

Flanged Inlets

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

Note: See page B-48 for accessories.



HBL8815C

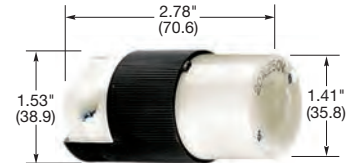
Connector Bodies

Description	Cord Dia.	Catalog Number
Black and white nylon. Multiple drive screws.	.220"-.720" (5.6-18.3)	HBL7101C

Note: See page B-49 for accessories.



20A 250V
NEMA L2-20P
 UL Listed
 2 HP

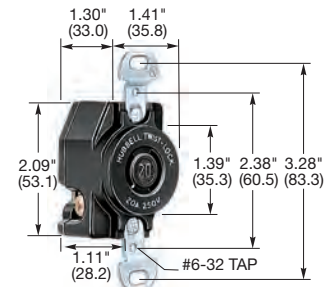


HBL7101C

Receptacles

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

Note: See pages B-48 and B-49 for accessories.

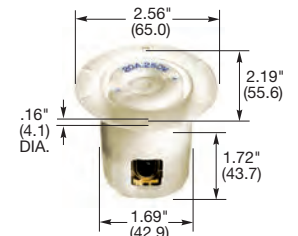


HBL7210B

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 B-48 and B-49 for accessories.
 Only receptacles and plugs are HP rated.
 HP ratings are AC only.



HBL8809C



HBL3226

Dimensions in Inches (mm)



HBL96067
Shown with receptacle
(sold separately)



HBL6187
Shown with receptacle
and back box
(sold separately)

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 Plate

Description	Catalog Number
20° angle plate for duplex receptacles.	HBL6187

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)
Smooth nylon, brown.	NP7*	-	NP720*	-	-	-	NP724*	NP703*	-
Cast aluminum.	HBL7320	-	HBL7320	-	HBL3394	-	HBL9419	-	-
Stainless steel, 302/304, smooth.	SS7**	SS72	SS720	-	SS725	-	SS723	SS703	SS701

Note: See pages N-6 and N-7 for complete plate descriptions.

*Catalog number indicated is Brown, add with the following to designate color: "AL" (Almond), "BK" (Black), "GY" (Gray), "I" (Ivory), and "W" (white).

**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	50A Twist-Lock® Receptacles	30A 4W Hubbelllock® Receptacles
	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)		
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 plates.

†HBL20446 plate painted red for use with HBL20443 only. HBL20405 plate is for use with HBL20403 only. See page B-65 for devices.