

# HUBBELL®

## Safety Product Guide



**FASTENAL®**

think SAFETY...  
think HUBBELLSAFE



## Hubbell Safety Product Guide Brought to You by Fastenal

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The safety of people and equipment matter most

## Too costly to ignore

Hubbell believes that every employee in every business has the right to a safe working environment. Not only is safety the key to allowing people to be confident and secure in their jobs, it is also critical to enhancing productivity, reducing downtime and avoiding significant accident expenses—all of which leads to sustainability and a lower Total Cost of Ownership (TCO).

## Ensuring safety everywhere

Potential safety hazards exist in almost every workplace environment—from open office areas and factory floors, to construction sites and retail spaces. That's why all employers are required to comply with strict safety codes and regulations. Many businesses pride themselves on the number of accident-free days, which is achieved through established formal safety programs that include training, ongoing safety evaluations and documentation.



Hubbell brands are committed to helping our customers maintain a safe workplace environment. Since introducing the first safety receptacle that set the industry standard, Hubbell has always been focused on safety. That's why Hubbell products are designed and developed to first provide maximum safety against injury and the potential

dangers of electricity. The Hubbell harsh and hazardous group provides a complete package of products designed and engineered to operate in some of the toughest environments on the planet. These extreme environments demand superior performance, which is why you will find Hubbell products and systems installed in many of the most arduous and safety critical locations worldwide. Also, Hubbell Lighting brands continue to set the standard for excellence with the broadest selection of commercial and industrial life safety products.

- Hubbell Wiring Device-Kellems Twist-Lock® plugs and receptacles ensure mating only with the correct voltage and amperage.
- Hubbell's full line of watertight devices provides protection against electrical shock in wet environments.
- All Hubbell Wiring Device-Kellems ground fault receptacles and temporary power distribution systems provide a high level of personnel protection.
- Hubbell Wiring Device-Kellems Circuit-Lock® disconnects and MotorQuick® motor controllers enable safe control and disconnection of power in the industrial environment
- Lockout-tagout features and devices offer a means to protect employees by avoiding unintentional energizing of equipment during diagnostics or repair.
- Gleason Reel and Hubbell Wiring Device-Kellems wire management and hose and cable protection systems safeguard cables and cords, ultimately protecting people by preventing damaged circuits and minimizing trip hazards.
- Killark is a global provider of harsh and hazardous location products and provides numerous solutions for safely managing power and lighting needs and providing reliable cable terminations and conduit connections in hostile (wet – corrosive – hazardous) environments.
- Hubbell Lighting has excelled at creating products that are technologically advanced and achieve the highest levels of performance for commercial and industrial life safety and exterior lighting applications.



**Think safety. Think Hubbell.**





NEMA Enclosure Type No.	IEC Enclosure Classification Designation	Basic Description
3R	IP14	Rainproof and Sleet (Ice) Resistant- Outdoor
4	IP56	Watertight and Dusttight- Indoor and Outdoor
4X	IP56	Watertight, Dusttight and Corrosion-Resistant - Indoor and Outdoor
6	IP67	Watertight, Dusttight and Sleet (Ice) Resistant- Indoor and Outdoor
12	IP52	Industrial Use, Dusttight and Driptight- Indoor

## Watertight Devices

When it comes to safety, most everyone knows that water and electricity can create a dangerous environment. From harsh factory and construction sites to laboratories and outdoor applications, ensuring a watertight seal for electrical devices is critical to ensuring maximum safety of personnel in any wet environment. Hubbell Watertight Twist-Lock® devices have become the industry standard for maintaining a watertight seal when in use and when disconnected as well as preventing unintentional disconnects.

### Watertight Safety-Shroud® Twist-Lock®



- Maintains UL/CSA Enclosure Type 4X watertight seal when in use and when disconnected
- Constructed from engineered high impact thermoplastic for heavy-duty industrial applications
- Shroud meets or exceeds California OSHA 2510.7(6) electrical safety requirement for "skirted plugs" Title 8 Division 1 Chapter 4










### Watertight Devices



- Double insulated elastomeric cover and thermoplastic body for extra safety and water resistance
- Exclusive triple by-pass sealing system
- Corrosion-resistant nickel plated blades and stainless steel captive assembly screws
- NEMA 4, 4X, 6, 6P, IP65, IP66, IP67

## Ordering Information

### Watertight Locking Devices

NEMA Rating Color Coded by Voltage					Poles/ Wires	Watertight Safety-Shroud®			Watertight		
						Plug	Connector	Receptacle	Plug	Connector	Receptacle
15A 125V		L5-15	2P/3W	Hubbell # Fastenal #	— —	— —	— —	24W47H 0747831	25W47H 0747834	65W47H 0747869	
15A 277V AC		L7-15	2P/3W	Hubbell # Fastenal #	— —	— —	— —	24W34H 0747833	25W34H 0747836	65W34H 0747871	
20A 125V		L5-20	2P/3W	Hubbell # Fastenal #	HBL2311SW 0734717	HBL2313SW 0734723	HBL2310SW 0734712	26W47H 0747837	27W47H 0747844	67W47H 0747872	
20A 250V		L6-20	2P/3W	Hubbell # Fastenal #	HBL2321SW 0734740	HBL2323SW 0734746	HBL2320SW 0734735	26W48H 0747838	27W48H 0747845	67W48H 0747873	
20A 277V AC		L7-20	2P/3W	Hubbell # Fastenal #	HBL2331SW 0734759	HBL2333SW 0734764	HBL2330SW 0734756	26W49H 0747839	27W49H 0747846	67W49H 0747874	
20A 125/250V AC		L14-20	3P/4W	Hubbell # Fastenal #	HBL2411SW 0734820	HBL2413SW 0734823	HBL2410SW 0734814	26W74H 0747840	27W74H 0747847	67W74H 0747878	
20A 3Ø 250V		L15-20	3P/4W	Hubbell # Fastenal #	HBL2421SW 0734842	HBL2423SW 0734844	HBL2420SW 0734839	26W75H 0747841	27W75H 0747848	67W75H 0747879	
30A 3Ø 250V AC		L15-30	3P/4W	Hubbell # Fastenal #	HBL2721SW 0735080	HBL2723SW 0735083	HBL2720SW 0735077	28W75H 0747855	29W75H 0747862	69W75H 0747882	
30A 3Ø 480V AC		L16-30	3P/4W	Hubbell # Fastenal #	HBL2731SW 0735095	HBL2733SW 0735098	HBL2730SW 0735092	28W76H 0747856	29W76H 0747863	69W76H 0747883	



## Watertight Devices

For food processing and waste water applications, Hubbell Watertight IEC Pin & Sleeve devices ensure watertight performance while protecting users with a super tough, non-conductive housing and shrouded contact pins. The opening on the plug shroud accommodates lockout/tagout locks for maximum safety while the UL Enclosure Type 4X Box offers a variety of watertight connections and provides maximum safety for use with Straight Blade and Twist-Lock® devices.

### IEC Pin & Sleeve



- Superior construction and engineered materials for maximum durability
- Sequential contact engagement ensures the ground mates first and breaks last
- Thermoset polyester interiors provide unsurpassed ability to withstand high amounts of heat which may result from overload or arcing

### UL Enclosure Type 4X Box



- One step self-latching, spring loaded gasketed cover for maintaining maximum reliability and protection when not in use
- Corrosion, impact and chemical resistant Valox® enclosure
- Available in common NEMA configurations, pre-wired for installation simplicity



### 300.6(D) Indoor Wet Locations

For indoor wet locations where walls are frequently washed or where there are surfaces of absorbent materials, such as wood, the wiring system where exposed, including boxes, fittings, raceway and cable shall be mounted so that there is at least ¼ inch (6mm) airspace between it and the wall or supporting surface.

### 110.11 Electrical Installations

Unless identified for use in the operating environment, no conductors or equipment shall be located in damp or wet locations.

Valox® is a registered trademark of SABIC Innovative Plastics acquired from GE.

### Ordering Information

#### IEC Watertight Pin & Sleeve

Rating Color Coded by Voltage	Poles/Wires	Plug, Connector and Receptacle	Plug Fastenal #	Connector Fastenal #	Receptacle Fastenal #
20A 3Ø 480V	3P 4W	HBL420x7W	0735601	0735582	0735606
30A 3Ø 250V	3P 4W	HBL430x9W	0735644	0735619	0735654
30A 3Ø 480V	3P 4W	HBL430x7W	0735641	0735617	0735652
30A 3Ø 600V	3P 4W	HBL430x5W	0735638	0735616	0735651
30A 3ØY 277/480V	4P 5W	HBL530x7W	0736127	0736117	0736132
60A 250V	3P 4W	HBL460x9W	0735744	0735715	0735754
60A 3ØY 120/208V	4P 5W	HBL560x9W	0736244	0736234	0736250
60A 3Ø 480V	3P 4W	HBL460x7W	0735741	0735713	0735752
60A 3Ø 600V	3P 4W	HBL460x5W	0735738	0735712	0735751
100A 250V	3P 4W	HBL4100x9W	0735529	0735510	0735538
100A 3ØY 120/208V	4P 5W	HBL5100x9W	0735973	0735966	0735980
100A 3Ø 480V	3P 4W	HBL4100x7W	0735527	0735509	0735537
100A 3Ø 600V	3P 4W	HBL4100x5W	0735525	0735508	0735536

x= device: P (Plug), C (Connector), and R (Receptacle)

#### Conduit Feed UL Type 4x Rated\*



Straight Blade		
Rating	Hubbell #	Fastenal #
20A 125V	MCWF2010*	0740319
Watertight Safety-Shroud® Twist-Lock®		
Rating	Hubbell #	Fastenal #
20A 125V	MCWF2020	0740320
20A 250V	MCWF2030	0740321
20A 277V	MCWF2040	0740322
20A 125/250V	MCWF2070	0740325
20A 3Ø 250V	MCWF2080	0740326
20A 3Ø 480V	MCWF2090	0740327
30A 125V	MCWF2050	0740323
30A 250V	MCWF2060	0740324
30A 125/250V	MCWF2100	0740328
30A 3Ø 250V	MCWF2110	0740329
30A 3Ø 480V	MCWF2120	0740330
30A 3Ø 600V	MCWF2130	0740331

\* Type 4X Rating with cover closed





For non-residential installations all 125V 15 and 20 AMP receptacles installed in locations specified in **NEC® Article 210.8(B)(1)FR-(8)** shall have ground fault circuit interrupter protection for personnel. These areas include:

- (1) Bathrooms
- (2) Kitchens
- (3) Roof Tops
- (4) Outdoors
- (5) Sinks (within 6' of edge)
- (6) Indoor Wet Locations
- (7) Locker Rooms / Shower Facilities
- (8) Garages / Service Bays

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

## Ground Fault Circuit Interrupters (GFCIs)

Required by code, receptacles in any wet area must all be protected with ground fault circuit interrupters (GFCIs) that stop the flow of electric current to protect people in the presence of a ground fault. Hubbell offers AUTOGUARD™ and standard heavy duty GFCI receptacles. AUTOGUARD™ is a self-test version that continually tests electronic circuitry automatically. The AUTOGUARD™ unit features a green LED to indicate “power-on” and a red LED that is both a “trip indicator” when solid, and an “end of life indicator” when flashing. The GFCI sensing modules work in conjunction with hydraulic magnetic circuit breakers to interrupt power in the event of a ground fault condition.

### Extra Heavy Duty GFCI Receptacles



- Patented tamper-resistant design limits improper access to energized contacts
- Heavy duty brass bridge to withstand abuse
- Self-Test units continually tests and monitors for protection automatically
- No power at device face if reverse wired, eliminating false assumption of protection
- 10 kA Short Circuit Current Rating

### Sensing Modules



- Monitors electrical circuit with no direct load present at the module
- Hydraulic breakers available from 1 to 50 AMP meets
- 120 and 240 volt modules available in automatic or manual “safe start” reset versions
- Enclosure Type 4X rating
- UL 1053 Compliant

## Ordering Information

### Extra Heavy Duty GFCI Receptacles

NEMA	Rating	Color	Tamper-Resistant/Weather Resistant			
			AUTOGUARD™ Self Test		Circuit Guard®	
			Hubbell #	Fastenal #	Hubbell #	Fastenal #
	15A	Brown	GFR5262SG	<b>0733839</b>	GFR5262TR	<b>0733846</b>
	125V	Black	GFR5262SGBK	<b>0733840</b>	GFR5262BKTR	<b>0733834</b>
		Gray	GFR5262SGGY	<b>0733841</b>	GFR5262GYTR	<b>0733835</b>
		Ivory	GFR5262SGI	<b>0733842</b>	GFR5262ITR	<b>0733836</b>
		Red	GFR5262SGR	<b>0733844</b>	GFR5262RTR	<b>0733838</b>
		White	GFR5262SGW	<b>0733845</b>	GFR5262WTR	<b>0733847</b>
	20A	Brown	GFR5362SG	<b>0733858</b>	GFR5362TR	<b>0733865</b>
	125V	Black	GFR5362SGBK	<b>0733859</b>	GFR5362BKTR	<b>0733853</b>
		Gray	GFR5362SGGY	<b>0733860</b>	GFR5362GYTR	<b>0733854</b>
		Ivory	GFR5362SGI	<b>0733861</b>	GFR5362ITR	<b>0733855</b>
		Red	GFR5362SGR	<b>0733863</b>	GFR5362RTR	<b>0733857</b>
		White	GFR5362SGW	<b>0733864</b>	GFR5362WTR	<b>0733866</b>

### Circuit Guard® Hard Wired 30A GFCI UL Type 4X Rated

Description	Voltage	Alarm	Hubbell #	Automatic Fastenal #	Manual Fastenal #
Hard wired;	120V AC	None	GFHW13x05	<b>0733720</b>	<b>0733715</b>
manual and	120V AC	Audible	GFHW13x15	<b>0733721</b>	<b>0733716</b>
automatic set	240V AC	None	GFHW23x05	<b>0733730</b>	<b>0733725</b>
GFCIs.	240V AC	Audible	GFHW23x15	<b>0733731</b>	<b>0733726</b>
	120/240V AC	Audible	GFHW33x15	<b>0733741</b>	<b>0733736</b>
	3Ø 250V AC	None	GFHW53x	<b>0733749</b>	<b>0733747</b>
	3Ø 120/208V AC	None	GFHW43x	<b>0733746</b>	<b>0733745</b>

x= 1 (Automatic) or 0 (Manual) Set

### GFCI Sensing Module 50A Maximum

Description	Hubbell #	Automatic Fastenal #	Manual Fastenal #
120V AC	GFSM120x	<b>0733968</b>	<b>0733969</b>
240V AC	GFSM240x	<b>0733970</b>	<b>0733971</b>

x= A (Automatic) or M (Manual) Set

### GFCI Sensing Module Circuit Breakers

Catalog Number Configurator.

Example: **GFSMCB120401P**

GFSMCB	120	40	1P
Ground Fault Sensing Module	120 Volt	1 thru 50 Amp	1P
Circuit Breaker	240 Volt	50 Amp	2P
	120/240 Volt		3P

### Circuit Guard® Plug-In GFCI Portable

15A, 120V AC

Description	Hubbell #	Fastenal #
Three outlet plug-in	GFP315A	<b>0733788</b>

### GFI Tester

120V AC

Description	Hubbell #	Fastenal #
Ground fault tester	GFT2G	<b>0734066</b>



## Ground Fault Circuit Interrupters (GFCIs)

GFCIs are also critical for protecting people when using portable line cords and outlets in a variety of indoor and outdoor applications. Hubbell Circuit Guard® GFCI line cords are available with an Automatic Set feature for providing safety in applications where equipment is intended for continuous use but where temporary power failure is undesirable such as pumps, pressure washers or portable lighting. Manual Set GFCIs are also available for applications where operator injury might occur if equipment were to restart after a power failure such as drills, saws, lathes and grinders. "Portable GFCI" provides open-neutral protection for temporary power applications.

### Portable GFCI Line Cords



- Provides a watertight housing for maximum safety in harsh environments
- Available with either automatic and manual set feature to fit the application
- Bright indicator light provides fault confirmation from a distance

### Portable GFCI Outlets



- 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



### NEC® 590.6(A)

All 125-volt, single-phase, 15-, 20-, and 30-ampere receptacle outlets that are not a part of the permanent wiring of the building or structure and that are in use by personnel shall have ground-fault circuit-interrupter protection for personnel. For the purposes of this section, cord sets or devices incorporating listed ground-fault circuit-interrupter protection for personnel identified for portable use shall be permitted.

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## Ordering Information

### Circuit Guard® Portable GFCI Line Cords

Description	Length	GFCI Cord Line	Automatic Fastenal #	Manual Fastenal #
15A 120V AC	18 in.	GFP4C15x	<b>0733799</b>	<b>0733800</b>
	6 ft.	GFP6C15x	<b>0733808</b>	<b>0733809</b>
	25 ft.	GFP25C15x	<b>0733778</b>	<b>0733779</b>
w/ Stripped Leads	15 ft.	GFPOEMx	<b>0733822</b>	<b>0733823</b>
20A 120V AC	3 ft.	GFP3C20M	—	<b>0733795</b>

x= A (Automatic) or M (Manual) Set

### Circuit Guard® In-Line GFCI 2 ft. cord length

Description	Length	Hubbell #	Automatic Fastenal #	Manual Fastenal #
Single	2 ft.	GFP2Cx	<b>0733784</b>	<b>0733785</b>
15A 120V AC	25 ft.	GFP25Cx	<b>0733780</b>	<b>0733781</b>
Triple Tap	2 ft.	GFP2TTx	<b>0733786</b>	<b>0733787</b>
15A 120V AC	25 ft.	GFP25TTx	<b>0733782</b>	<b>0733783</b>
w/ Flying Leads	15 ft.	GFP15Lx	<b>0733763</b>	<b>0733764</b>
15A 120V AC	35 ft.	GFP35Lx	<b>0733792</b>	<b>0733793</b>

x= A (Automatic) or M (Manual) Set

### Circuit Guard® In-Line GFCI 2 ft. cord length

Description	Hubbell #	Automatic Fastenal #	Manual Fastenal #
Single, 15A 120V AC	GFPIL15125x	<b>0733810</b>	<b>0733811</b>
Triple Tap, 15A 120V AC	GFPIL15125TRlx	<b>0733812</b>	<b>0733813</b>
Locking, 20A 120V AC	GFPIL20125LKx	<b>0733814</b>	<b>0733815</b>
Locking, 20A 250V AC	GFPIL20250LKx	<b>0733816</b>	<b>0733817</b>

x= A (Automatic) or M (Manual) Set

### Circuit Guard® Wired On Straight Blade Portable GFCI Plugs

#### Industrial Grade

15A 125V AC

Description	Hubbell #	Fastenal #
Manual set; plug; black	GFP5266C	<b>0733804</b>
Manual set; plug; yellow	GFP5266CY	<b>0733805</b>
Manual Set; plug with 1 ft. Line cord	GFP1C	<b>0733766</b>

#### Commercial Grade

15A 125V AC

Description	Hubbell #	Fastenal #
Field Wireable; black		
Automatic	GFP515A	<b>0733802</b>
Manual	GFP515M	<b>0733803</b>

### Multiple Outlet Portable GFCI

Description	Rating	Hubbell #	Fastenal #
4-Outlet; 2-Duplex; 15A 120V AC		GFP15M	<b>0733765</b>
Manual Set	20A 120V AC	GFP20M	<b>0733767</b>

### GFCI Module UL Type 3R Rated

Rating	Description	Hubbell #	Fastenal #
20A, 120V AC; 60 Hz	Manual set	GFM20	<b>0733750</b>
	Auto set	GFM20A	<b>0733751</b>



**NEC® 430.75(A) Disconnection.** Motor control circuits shall be arranged so that they will be disconnected from all sources of supply when the disconnecting means is in the open position. The disconnecting means shall be permitted to consist of two or more separate devices, one of which disconnects the motor and the controller from the source(s) of power supply for the motor, and the other(s), the motor control circuit(s) from its power supply. Where separate devices are used, they shall be located immediately adjacent to each other.

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## Motor Control

Hubbell motor control devices can safely disconnect power at any point in a circuit without powering down other equipment and sacrificing productivity. The NEC® requires motor controllers on equipment like HVAC units, compactors and back-up generators to have a disconnect within line of sight and allows a controller and disconnect to be the same device. By combining both functions in one device, Hubbell CIRCUIT-LOCK® eliminates the confusion of which switch is a motor controller or disconnect, providing owners and operators with a renewed level of comfort and safety.

### Circuit-Lock® Unfused Disconnect Switches



- Meets line of sight disconnect requirements to ensure maximum safety
- High visibility handle is lockable to meet OSHA lockout/tagout requirements 29CFR 1910.147
- Switch cannot be turned ON unless the Type 4X enclosure cover is closed
- NEC 430.109(A)(6) recognizes that a manual motor controller and disconnect can be the same unit

### Circuit-Lock® Fused Disconnect Switches



- Certified for current interrupting at full rated current and voltage
- High visibility red handle can be locked in OFF position
- Type 4X enclosure with neoprene watertight gasket
- Accepts class "J" fuses

## Ordering Information

### IP66 SUITABILITY

#### Circuit-Lock® Unfused Disconnect Switches

Description	Hubbell #	Fastenal #
30A disconnect switch	HBLDS3	0737213
30A disconnect switch with one HBLAC1 auxiliary contact	HBLDS3AC	0737216
60A disconnect switch	HBLDS6	0737225
60A disconnect switch with one HBLAC1 auxiliary contact	HBLDS6AC	0737227
100A disconnect switch	HBLDS10	0737210
100A disconnect switch with one HBLAC1 auxiliary contact	HBLDS10AC	0737211

#### Auxiliary Contacts for 30A, 60A and 100A Switches

Description	Hubbell #	Fastenal #
Auxiliary contacts, "break after main break"	HBLAC1	0737003
1 set of n/o & n/c contacts		
Auxiliary contacts "break before main break"	HBLAC2	0737004
1 set of n/o contacts		

#### Ground Block

Description	Hubbell #	Fastenal #
For 30A switches.	HBL30RGB	0735270
For 60A and 100A switches.	HBL60100RGB	0736401



#### Circuit-Lock® 30 and 60 Ampere Fused Disconnect Switches

Description	Hubbell #	Fastenal #
30A fused disconnect switch	FDS30*	0733384
60A fused disconnect switch	FDS60*	0733385

Note: \*Class "J" fuses not included.



#### Auxiliary Contacts

Description	Hubbell #	Fastenal #
Normally open; A600 pilot duty	ACFSNO	0732015
Normally closed; A600 pilot duty	ACFSNC	0732014



#### Watertight Closure Plug Kits

Description	Hubbell #	Fastenal #
For 30A fused disconnect switch	MICPK30	0740424
For 60A fused disconnect switch	MICPK60	0740425





## Motor Control

Hubbell motor control devices are also available for use with Hubbell LINKOSITY® modular plug-and-play power distribution system. MotorQuick® offers the functionality of a motor disconnect switch with the safety of factory pre-wired connections. LINKOSITY® connections make motor change outs fast and simple. Heavy duty manual motor controllers are also available for controlling and disconnecting power to equipment.

### MotorQuick®



- Combines Circuit-Lock® motor disconnect with plug-and-play LINKOSITY® system for faster installation and replacement of motors
- Lockable handle meets OSHA lockout/tagout regulations
- Easily retrofits to existing hard wired installations with LINKOSITY® components

### Manual Motor Controllers



- Available in double-pole and three-pole 30A and 60A 600V AC controllers
- Suitable as a motor disconnect
- Type 1 and Type 3R enclosures available
- Optional finger guards (HBLFG30) fit 30A, 40A and 50A controllers



### NEC® 430.102 Location.

#### (A) Controller.

An individual disconnecting means shall be provided for each controller and shall disconnect the controller. The disconnecting means shall be located in sight from the controller location.

#### (2) Controller Disconnect.

The controller disconnecting means required in accordance with 430.102(A) shall be permitted to serve as the disconnecting means for the motor if it is in sight from the motor location and the driven machinery location.

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## Ordering Information

### Type 1 30A 3 Pole 600V AC

Description	Hubbell #	Fastenal #
<b>HBL1389D</b> with (1) pre-wired LINKOSITY® female receptacle (load side)	HBL1389MQR	<b>0734385</b>
<b>HBL1389D</b> with 5 ft. prewired LINKOSITY® female cable (load side)	HBL1389MQ5	<b>0734384</b>
<b>HBL1389D</b> with (1) pre-wired LINKOSITY® male receptacle (line side) and (1) pre-wired LINKOSITY® female receptacle (load side)	HBL1389MQR2	<b>0734386</b>



### Manual Motor Controller Double Pole

Description	Hubbell #	Fastenal #
30A 600V AC motor controller	HBL7832D	<b>0736763</b>
In Type 1 enclosure; non-metallic cover	HBL1392D	<b>0734388</b>
In metal Type 1 enclosure	HBL1372D	<b>0734368</b>
In NEMA 3R non-metallic enclosure	HBL13R22D	<b>0734391</b>
In metal Type 3R enclosure	HBL13R92D	<b>0734396</b>
In NEMA 3R flip lid enclosure	HBL13R12D	<b>0734389</b>
60A 600V AC motor controller	HBL7862D	<b>0736769</b>



### Type 4X 30A 3 Pole 600V AC



Description	Hubbell #	Fastenal #
<b>HBLDS3</b> with (1) pre-wired LINKOSITY® female receptacle (load side)	HBLDS3MQR	<b>0737220</b>
<b>HBLDS3</b> with 5 ft. prewired LINKOSITY® female cable (load side)	HBLDS3MQ5	<b>0737219</b>
<b>HBLDS3</b> with (1) pre-wired LINKOSITY® male receptacle (line side) and (1) pre-wired LINKOSITY® female receptacle (load side)	HBLDS3MQR2	<b>0737221</b>



### Manual Motor Controller Three Pole

Description	Hubbell #	Fastenal #
30A 600V AC motor controller	HBL7810D	<b>0736761</b>
In Type 1 enclosure; non-metallic cover	HBL1389D	<b>0734383</b>
In metal Type 1 enclosure	HBL1379D	<b>0734369</b>
In NEMA 3R non-metallic enclosure	HBL13R23D	<b>0734392</b>
In metal Type 3R enclosure	HBL13R89D	<b>0734393</b>
In NEMA 3R flip lid enclosure	HBL13R13D	<b>0734390</b>
60A 600V AC motor controller	HBL7863D	<b>0736771</b>
In Type 3R enclosure	HBL16R93D	<b>0734431</b>





## NFPA 70E:

- Electrical equipment enclosures can ONLY be accessed by qualified personnel with extensive protective clothing and equipment, including fire-resistant suits and hoods with non-conductive wands.

## NFPA 79: Electrical Standard for Industrial Machinery

- ALL utility receptacles must be GFCI protected
- ALL external utility receptacles must be covered
- ALL covers must maintain enclosure rating

## Arc Flash Safety

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™ and mechanical interlocks provide arc flash safety by ensuring isolation from live electrical components.

### Panel Safe



- 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 GFCI functionality

### Mechanical Interlock



- Eliminates the possibility of making and breaking the circuit under load providing safe connections to portable equipment
- Non-metallic enclosure can be connected to metallic conduit and not interfere with the ground continuity
- Highly visible red handle can be locked out to comply with OSHA lockout/tagout regulations
- UL/CSA certified as a manual motor controller and also as suitable as a disconnect

## Ordering Information

### PANEL-SAFE™ Access Ports

Description	NEMA TYPE 4, 12		NEMA TYPE 4X	
	Hubbell #	Fastenal #	Hubbell #	Fastenal #
<b>Power Only</b>				
20A 125V GFCI with In-Cabinet Receptacle	PR20	0742650	—	—
<b>Data Only</b>				
Cat. 5e Ethernet Access only	P5E	0741826	P4X5E	0741823
DB9 Interface Connector only	PDB9	0742277	—	—
DH + Combo (DB9/8M Din) and Cat. 5e Ethernet	PDH5E	0742281	—	—
<b>Power and Data</b>				
20A 125V GFCI with In-Cabinet Receptacle and Cat. 5e Ethernet Access	PR205E	0742651	PR4X205E	0742667
20A 125V GFCI with In-Cabinet Receptacle, Cat. 5e Ethernet Access and 3A Circuit Breaker	PR205EB	0742653	PR4X205EB	0742669
20A 125V GFCI Power and Cat. 5e Ethernet, DH + Combo (DB9/8M Din)	P20DH5E	—	—	—
15A 125V Power and Cat. 5e Ethernet Access	P155E	0741807	P4X155E	0741821
15A 125V Power, Cat. 5e Ethernet Access and 3A Circuit Breaker	P155EB	0741809	P4X155EB	0741822
15A 125V Power and (2) Cat. 5e Ethernet Access	P155E2	0741808	—	—

### IEC Watertight Pin & Sleeve

Rating Color Coded by Voltage	Poles/Wires	Mechanical Interlock Hubbell #	Fastenal #	Mating Plug Fastenal #
20A 3Ø 480V	3P 4W	HBL420MI7W	0735597	0735601
30A 3Ø 250V	3P 4W	HBL430MI9W	0735629	0735644
30A 3Ø 480V	3P 4W	HBL430MI7W	0735627	0735641
30A 3Ø 600V	3P 4W	HBL430MI5W	0735625	0735638
30A 3ØY 277/480V	4P 5W	HBL530MI7W	0736122	0736127
60A 3Ø 250V	3P 4W	HBL460MI9W	0735727	0735744
60A 3ØY 120/208V	4P 5W	HBL560MI9W	0736240	0736244
60A 3Ø 480V	3P 4W	HBL460MI7W	0735725	0735741
60A 3Ø 600V	3P 4W	HBL460MI5W	0735722	0735738
100A 250V	3P 4W	HBL4100MI9W	0735521	0735529
100A 3ØY 120/208V	4P 5W	HBL5100MI9W	0735970	0735973
100A 3Ø 480V	3P 4W	HBL4100MI7W	0735519	0735527
100A 3Ø 600V	3P 4W	HBL4100MI5W	0735517	0735525

For mating plug, replace MI with P. Ex. HBL420MI7W to HBL420P7W



## Lockout, Tagout for Electrical Safety

Lockout/tagout refers to specific procedures to safeguard people from the unexpected energization or startup of machinery and equipment, or the release of hazardous energy during service or maintenance activities. Hubbell offers many products that meet OSHA lockout/tagout regulations including integrated lockout features in pin and sleeve plugs and switched enclosures as well as a variety of dedicated lockout devices.

### PLUGOUT® and SWITCHOUT® Lockout Devices



- Provides an approved method of complying with OSHA lockout/tagout regulation
- Available in 15A, 20A, 30A and 60A plugout devices enclose the equipment plug and secure with a key padlock

### Locking Switches



- Prevents unauthorized control of lighting or ventilation control
- Keys supplied with each locking switch
- One piece integral grounding terminal provides a low resistance ground path

### Ordering Information

#### PLUGOUT® Lockout Devices

Description	Typical Devices Accommodated	Hubbell #	Fastenal #
Small yellow lockout device	15 and 20A straight blade plugs; 15A Twist-Lock® plugs	HLDMP	<b>0738456</b>
Medium yellow lockout device	15 and 20A, 125V straight blade plugs; 20 and 30A Twist-Lock® plugs	HLD	<b>0738453</b>
Large yellow lockout device	20, 30 and 60A metallic and non-metallic Pin and Sleeve; Hubbellock®; 50A Twist-Lock® plugs	HLD2	<b>0738454</b>

#### SWITCHOUT®

Description	Typical Devices Accommodated	Hubbell #	Fastenal #
Yellow switchout device	Toggle switch	HSLDPK2*	<b>0738973*</b>

#### Keyed PLUGOUT®

Description	Typical Devices Accommodated	Hubbell #	Fastenal #
Yellow keyed Plugout; keyed differently	15 and 20A, 125V straight blade; plugs with holes in blades	HKLD	<b>0738444</b>
Yellow keyed Plugout; keyed alike	15 and 20A, 125V straight blade; plugs with holes in blades	HKLDPK2*	<b>0738445*</b>

\* Two devices per package

#### AC Barrel Key Locking Switches

20 Amp 120-277 Volt

Description	Hubbell #	Fastenal #
Single pole	HBL1221RKL	<b>0734314</b>
Double pole	HBL1222RKL	<b>0734322</b>
Three-Way	HBL1223RKL	<b>0734335</b>
Four-Way	HBL1224RKL	<b>0734344</b>
Barrel key replacement	HBL1209RKL	<b>0734298</b>

#### Locking Switches

15 Amp 120-277 Volt

Description	Hubbell #	Fastenal #
Single pole	HBL1201L	<b>0734280</b>
Double pole	HBL1202L	<b>0734286</b>
Three-Way	HBL1203L	<b>0734291</b>
Four-Way	HBL1204L	<b>0734296</b>

20 Amp 120-277 Volt

Description	Hubbell #	Fastenal #
Single pole	HBL1221L	<b>0734308</b>
Double pole	HBL1222L	<b>0734319</b>
Three-Way	HBL1223L	<b>0734330</b>
Four-Way	HBL12243L	<b>0734341</b>
Replacement key	HBL1209	<b>0734297</b>



### NFPA 70E-2004 LO/TO Procedures 29CFR1910.147(a)(3)(i)

This section requires employers to establish a program and utilize procedures for affixing appropriate lockout devices or tagout devices to energy isolating devices, and to otherwise disable machines or equipment to prevent unexpected energization, start up or release of stored energy in order to prevent injury to employees.





**NEC® 406.9(B)(1) – REVISED**  
[Formerly 406.8(B)(1)]

2011 NEC® wording:

**406.9 Receptacles in Damp or Wet Locations.** All 15- and 20-ampere, 125- and 250-volt nonlocking-type receptacles shall be listed weather-resistant type.

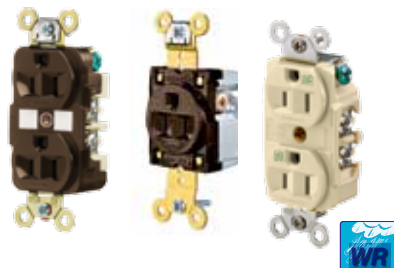
**406.12 Tamper-Resistant Receptacles in Dwelling Units.** In all areas specified in 210.52, all nonlocking type 125-volt, 15- and 20-ampere receptacles shall be listed tamper-resistant receptacles.

**406.13 – NEC Tamper-Resistant Receptacles in Guest Rooms and Guest Suites.** All nonlocking-type, 125-volt, 15- and 20-ampere receptacles located in guest rooms and guest suites shall be listed tamper-resistant receptacles.

## Specialty Devices

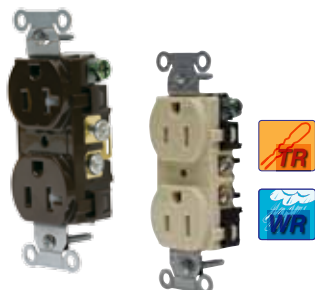
Hubbell knows that safety of people should be first in every environment. Hubbell offers a wide variety of receptacles all designed and developed to provide maximum safety from the factory floor to the doctor's office to the outdoor amusement park. Hubbell's HBL® Extra Heavy Duty Industrial Series receptacles reduce heat buildup and provide low resistance of fault currents while Hubbell Tamper-Resistant and Weather-Resistant receptacles provide an additional level of safety now required for use in dwelling units and wet and damp locations.

### HBL® Extra Heavy Duty Industrial Series Receptacles



- Reinforced thermoplastic polyester base for heat resistance and contact stability
- Exclusive nickel-plated bypass contact design ensures uninterrupted power
- Four-point grounding system provides redundant grounding for low resistance
- Meets NEC® 406.9 requirements

### Tamper-Resistant and Water Resistant Receptacles



- Spring-loaded shutter restricts access to live contacts by single-pronged items for maximum safety
- Only proper plug insertion opens the shutters, allowing electrical contact
- Tamper resistant meets NEC® 406.12, 406.13 and 406.14 requirements
- Weather resistant meets NEC® 406.9 requirements

### Ordering Information

#### HBL® Extra Heavy Duty Industrial Series

		15A 125V		20A 125V	
Description	Color	Hubbell #	Fastenal #	Hubbell #	Fastenal #
Duplex	Brown	HBL5262	<b>0736064</b>	HBL5362	<b>0736169</b>
	Black	HBL5262BK	<b>0736066</b>	HBL5362BK	<b>0736171</b>
	Ivory	HBL5262I	<b>0736071</b>	HBL5362I	<b>0736177</b>
	Other	HBL5262x	**	HBL5362x	**
Weather Resistant	Brown	HBL5262WR	<b>0736079</b>	HBL5362WR	<b>0736186</b>
	Black	HBL5262BKWR	<b>0736067</b>	HBL5362BKWR	<b>0736172</b>
	Ivory	HBL5262IWR	<b>0736073</b>	HBL5362IWR	<b>0736179</b>
	Other	HBL5262xWR	**	HBL5362xWR	**
Single	Brown	HBL5261	<b>0736056</b>	HBL5361	<b>0736160</b>
	Black	HBL5261BK	<b>0736057</b>	HBL5361BK	<b>0736161</b>
	Ivory	HBL5261I	<b>0736058</b>	HBL5361I	<b>0736164</b>
	Other	HBL5261xx	**	HBL5361xx	**

x=color: GY (Gray), R (Red) and W (White). xx=color: GRY (Gray), and W (White).

\*\*Consult Fastenal catalog or [www.fastenal.com](http://www.fastenal.com) for more color options.

#### Receptacle Circuit Tester

Description	Hubbell #	Fastenal #
Neon lights visually indicate and verify various fault conditions in electrical circuits	HBL5200	<b>0736002</b>



#### Commercial Specification Grade Receptacles

		15A 125V		20A 125V	
Description	Color	Hubbell #	Fastenal #	Hubbell #	Fastenal #
Duplex	Brown	BR15	<b>0732316</b>	BR20	<b>0732345</b>
	Black	BR15BLK	<b>0732321</b>	BR20BLK	<b>0732350</b>
	Ivory	BR15I	<b>0732329</b>	BR20I	<b>0732358</b>
	Other	BR15x	**	BR20x	**
Tamper-Resistant	Brown	BR15TR	<b>0732338</b>	BR20TR	<b>0732367</b>
	Black	BR15BLKTR	<b>0732322</b>	BR20BLKTR	<b>0732351</b>
	Ivory	BR15ITR	<b>0732330</b>	BR20ITR	<b>0732359</b>
	Other	BR15xTR	**	BR20xTR	**
Weather Resistant	Brown	BR15WR	<b>0732343</b>	BR20WR	<b>0732372</b>
	Black	BR15BLKWR	<b>0732323</b>	BR20BLKWR	<b>0732352</b>
	Ivory	BR15IWR	<b>0732331</b>	BR20IWR	<b>0732360</b>
	Other	BR15xWR	**	BR20xWR	**
Tamper-Resistant Weather Resistant	Brown	BR15WRTR	<b>0732344</b>	BR20WRTR	<b>0732373</b>
	Black	BR15BLKWRTR	<b>0732324</b>	BR20BLKWRTR	<b>0732353</b>
	Ivory	BR15IWRTR	<b>0732332</b>	BR20IWRTR	<b>0732361</b>
	Other	BR15xWRTR	**	BR20xWRTR	**

x=color: GY (Gray), R (Red) and W (White). xx=color: GRY (Gray), and W (White).

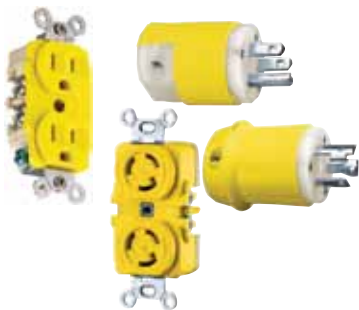
\*\*Consult Fastenal catalog or [www.fastenal.com](http://www.fastenal.com) for more color options.



## Specialty Devices

Some environments can be particularly corrosive for electrical connections, calling for an extra level of safety and protection. Hubbell offers a wide range of plugs, connectors and receptacles that are specifically designed to withstand corrosive environments like chemical plants and wastewater treatment facilities.

### Corrosion Resistant Plugs, Connectors and Receptacles



- Reinforced thermoplastic elastomer housing to resist ultraviolet rays, oil and chemicals
- Powerful nylon cord grips on plugs prevents strain on terminals and prevents cord pull-outs
- Plated contacts provide for reliable electrical connections and long life

### Weatherproof Covers



- UL listed for wet locations in both thermoplastic and cast aluminum with cover closed
- Suffix "WO" are listed for wet location with cover open and plug installed
- Available in single and dual receptacles with individual weatherproof covers for each receptacle



### NEC®406.9(B) Receptacles in Wet Locations.

15- and 20-ampere, 125- and 250-volt receptacles installed in a wet location shall have an enclosure that is weatherproof whether or not the attachment plug cap is inserted. All 15- and 20-ampere, 125- and 250-volt nonlocking receptacles shall be listed weather-resistant type. *Exception 15- and 20-ampere, 125- through 250-volt receptacles installed in a wet location and subject to routine high-pressure spray washing shall be permitted to have an enclosure that is weatherproof when the attachment plug is removed.*

## Ordering Information

### Corrosion Resistant

#### Straight Blade

NEMA	Rating	Device	Hubbell #	Fastenal #
	15A	Duplex Receptacle	HBL52CM62	<b>0736105</b>
	125V	Duplex Lift Cover	HBL52CM21	<b>0736101</b>
		Single Receptacle	HBL52CM61	<b>0736104</b>
		Plug	HBL52CM66C	<b>0736107</b>
		Connector	HBL52CM69C	<b>0736109</b>
	20A	Duplex Receptacle	HBL53CM62	<b>0736204</b>
	125V	Duplex Lift Cover	HBL52CM21	<b>0736101</b>
		Single Receptacle	HBL53CM61	<b>0736203</b>
		Plug	HBL53CM66C	<b>0736205</b>
		Connector	HBL53CM69C	<b>0736206</b>



### Receptacle Covers

#### Vertical FS/FD Mounting

Face Diameter	Color	Hubbell #	Fastenal #
1.36" - 1.39"	Gray Thermoplastic	HBL7423WO	<b>0736673</b>
(34.5-35.3)	Yellow Thermoplastic	HBL74CM23WO	<b>0736701</b>
	Cast Aluminum	HBL7420	<b>0736672</b>
1.55" - 1.58"	Gray Thermoplastic	HBL7425WOA	<b>0736675</b>
(39.4-35.3)	Yellow Thermoplastic	HBL74CM25WOA	<b>0736703</b>
	Cast Aluminum	HBL7420	<b>0736672</b>
1.68" - 1.72"	Gray Thermoplastic	HBL7424WO	<b>0736674</b>
(42.7-43.7)	Yellow Thermoplastic	HBL74CM24WO	<b>0736702</b>
	Cast Aluminum	HBL3393	<b>0735402</b>

Wet Locations: Thermoplastic w/ cover "open"  
Cast Aluminum w/ cover "closed"



### Twist-Lock®

NEMA	Rating	Device	Hubbell #	Fastenal #
	15A	Duplex Receptacle	HBL47CM00	<b>0735905</b>
	125V	Duplex Lift Cover	HBL52CM21	<b>0736101</b>
		Plug	HBL47CM20C	<b>0735908</b>
		Connector	HBL47CM29C	<b>0735909</b>
		Lift Cover	HBL74CM25WOA	<b>0736703</b>
	20A	Single Receptacle	HBL23CM10	<b>0734783</b>
	125V	Plug	HBL23CM11	<b>0734784</b>
		Connector	HBL23CM13	<b>0734786</b>
		Lift Cover	HBL74CM25WOA	<b>0736703</b>



### Duplex Covers

Description	Color	Hubbell #	Fastenal #
Thermoplastic; vertical mounting; for FS/FD box mounting	Gray	HBL5221	<b>0736024</b>
	Yellow	HBL52CM21	<b>0736101</b>
Thermoplastic; vertical mounting; for device mounting	Gray	HBL5222	<b>0736026</b>
	Yellow	HBL52CM22	<b>0736103</b>
Cast Aluminum; horizontal mounting; for FS/FD box mounting	—	HBL5206WO	<b>0736010</b>
Cast Aluminum; horizontal mounting; for device mounting	—	HBL5205WO	<b>0736009</b>





**NEC® 110.12 Mechanical Execution of Work.** Electrical equipment shall be installed in a neat and workmanlike manner.

**NEC® 110.12(A) Unused Openings**  
Unused openings, other than those intended for the operation of equipment, those intended for mounting purposes, or those permitted as part of the design for listed equipment, shall be closed to afford protection substantially equivalent to the wall of the equipment.

## Temporary Power

Construction sites and outdoor events need to ensure maximum safety when providing temporary electrical power for equipment and lighting, especially since these applications involve frequent plug-ins and disconnects. Hubbell temporary power distribution systems come in a variety of device types for protecting people against electrical shock in a wide range of applications and job sites.

### SPIDER® II Temporary Power Boxes



- Incorporates the most advanced ground fault module technology for safety
- Accommodates watertight straight blade and Safety-Shroud® Twist-Lock® receptacles
- Heavy Duty UL Type 3R metallic enclosure

### Portable Outlet Boxes



- Provides a safe rugged portable enclosure that can be used in many applications and complies with NEC® 110.12 regarding unused cable openings in metallic boxes
- Provides Type 3R protection with weatherproof cover plates
- Maximize strain relief protection with the addition of a Kellems® mesh grip

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

## Ordering Information

### Temporary Power Boxes

Max Rating	Type	Receptacle Rating	Protection Overload/GFI	Receptacle Type			
				Straight Blade		Twist-Lock®	
				Hubbell #	Fastenal #	Hubbell #	Fastenal #
Spider® II 30A, 120/240V AC	(7) Receptacles	20A, 125V	Yes/Yes	SDSB1A	<b>0744347</b>	—	—
	(1) Twist-Lock® (inlet & outlet)	30A, 120/240V	No/No				
Spider® II 50A, 120/240V AC	(7) Receptacles	20A, 125V	Yes/Yes	SBSB1A	<b>0744212</b>	SBTL1A	<b>0744214</b>
	(1) Twist-Lock® (inlet & outlet)	50A, 125/250V	No/No				
Spider® II 60A, 3Ø 120/208V	(6) Receptacles	20A, 125V	Yes/Yes	SCSB0	<b>0744338</b>	SCTL0	<b>0744340</b>
	(1) Pin and Sleeve (inlet & outlet)	60A, 3ØY, 120/208V	No/No				
50A 120/240V AC	(6) Receptacles	20A, 125V	Yes/Yes	TPDS	<b>0745255</b>	TPDL	<b>0745252</b>
	(1) Twist-Lock®	30A, 250V	Yes/No				
	(1) Twist-Lock® (inlet & outlet)	50A 125/250V	No/No				



### Portable Outlet Boxes and Plates

Description	Hubbell #	Fastenal #
Box with cord strain relief, with one blank cover plate	HBLPOB1	<b>0737501</b>
Box with cord strain relief, with two duplex (indoor) cover plates, gray	HBLPOB1D	<b>0737502</b>
Box with cord strain relief, with two duplex (indoor) cover plates, yellow	HBLPOB1DY	<b>0737503</b>
Blank, non-metallic FS cover plate with foam gasket, gray	HBLP14FS	<b>0737478</b>
Duplex, non-metallic FS cover plate, gray	HBLP8FS	<b>0737482</b>
Duplex, non-metallic FS cover plate, yellow	HBLP8FSY	<b>0737483</b>
Single receptacle (1.39"), non-metallic FS cover plate, gray	HBLP7FS	<b>0737481</b>
Single receptacle (1.56"), non-metallic FS cover plate, gray	HBLP720FS	<b>0737480</b>
Rectangular opening, non-metallic FS cover plate, gray	HBLP26FS	<b>0737479</b>

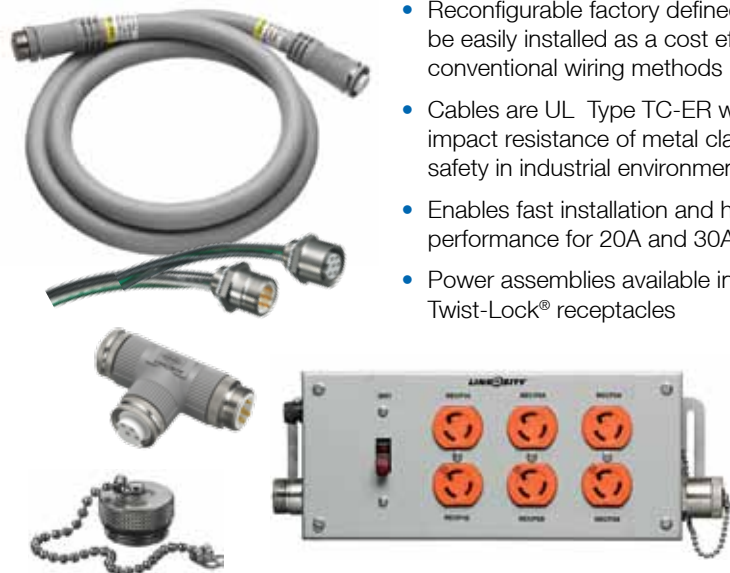




## Modular Power

Factories and industrial environments often need flexible power distribution systems for all types of equipment. Hubbell LINKOSITY® modular power distribution system is ideal for ensuring safety when providing flexible power in these applications. Hubbell LINKOSITY® provides the necessary system components to create code compliant safe installations.

### LINKOSITY®



- Reconfigurable factory defined assemblies that can be easily installed as a cost effective alternative to conventional wiring methods
- Cables are UL Type TC-ER with the crush and impact resistance of metal clad cable for maximum safety in industrial environments
- Enables fast installation and high technical performance for 20A and 30A circuits up to 600V
- Power assemblies available in straight blade and Twist-Lock® receptacles



**NEC® Article 670** on Industrial Machinery refers to NFPA 79-2007, Electrical Standard for Industrial Machinery where sections 14.1.2.2 and 14.1.5.1 specifically indicate that molded connections factory-applied to cable and cords are to be permitted.

### NEC® 336.10(7)

Permits type TC-ER cable in transitions between cable trays and the utilization equipment or devices when secured at intervals not more than 6 ft without continuous support.

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

### Ordering Information

#### Power Components 20A, 30A up to 600V Cables and Receptacles

Device Type	Ratings	Wires	Conductor Colors**	Length (ft.)
<b>PH</b> Double Ended Cable - Male/Female Straight	<b>20</b> 20A up to 600V	<b>02 - 05</b>	<b>PA</b> Green/Yellow; Black (all others)	<b>001</b> 1'
<b>PM</b> Male Single Ended Straight				<b>005</b> 5'
<b>PN</b> Male Single Ended 90°				<b>010</b> 10'
<b>PF</b> Female Single Ended Straight				<b>015</b> 15'
<b>PG</b> Female Single Ended 90°				<b>020</b> 20'
<b>PQ</b> Double Ended Cable with Female 90°	<b>23</b> 20A up to 600V Specialty construction (Includes isolated ground on 6 wire and 10AWG super neutral conductor on 5 and 6 wire devices)	<b>03</b> <b>04</b> <b>05</b> <b>06</b>	<b>PB</b> Green/Yellow White Black (all others)	<b>025</b> 25'
<b>PR</b> Double Ended Cable with Male 90°				<b>030</b> 30'
<b>PS</b> Double Ended Cable with (2) 90° Connectors				<b>035</b> 35'
<b>RF</b> Female Receptacle; ½" N.P.T. rear thread				<b>040</b> 40'
<b>RM</b> Male Receptacle (Inlet); ½" N.P.T. rear thread				<b>045</b> 45'
	<b>30</b> 30A up to 600V	<b>04</b>	**other color codes available upon request	<b>050</b> 50'

Example Catalog Number: **PH2306PB05**

#### LINKOSITY® Tees

Description	Hubbell #	Fastenal #
M/F/F Tee, 20A, 2P	TX2002002002T00	<b>0745280</b>
M/F/F Tee, 20A, 3P	TX2003002003T00	<b>0745281</b>
M/F/F Tee, 20A, 4P	TX2004002004T00	<b>0745282</b>
M/F/F Tee, 20A, 5P	TX2005002005T00	<b>0745283</b>
M/F/F Tee, 20A SNIG, 4P	TX2304002304T00	<b>0745284</b>
M/F/F Tee, 20A SNIG, 6P	TX2306002306T00	<b>0745288</b>
M/F/F Tee, 20A SNIG, A Phase Tap	TX2306002304A00	<b>0745285</b>
M/F/F Tee, 20A SNIG, B Phase Tap	TX2306002304B00	<b>0745286</b>
M/F/F Tee, 20A SNIG, C Phase Tap	TX2306002304C00	<b>0745287</b>
M/F/F Tee, 30A, 4P	TX3004003004T00	<b>0745290</b>



#### Closure Caps

20A and 30A Receptacle Closure Cap

Description	Hubbell #	Fastenal #
For use with female receptacle	CCMBC	<b>0732570</b>
For use with male inlet	CCFBC	<b>0732566</b>





**NEC® 400.10 Pull at Joints and Terminals** Flexible cords and cables shall be connected to devices and to fittings so that tension is not transmitted to joints or terminals.

**OSHA Regulation 29 CFR 1926.405(g)(2)(iv) Strain relief.** Flexible cords shall be connected to devices and fittings so that strain relief is provided which will prevent pull from being directly transmitted to joints or terminal screws.

**1926.405(g)(2)(v) Cords passing through holes.** Flexible cords and cables shall be protected by bushings or fittings where passing through holes in covers, outlet boxes, or similar enclosures.

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

## Wire Management

Hubbell wire mesh grips are designed to prevent strain from being transmitted to joints and terminals on electrical cords, cables and conduit. This provides greater security than using a fitting alone, making electrical systems safer by preventing cable pull-out and controlling cable arc-of-bend. The positive action mesh grips distributes loads equally over the cable jacket.

### Strain Relief Grips



- Multi-weave grip products provide arc-of-bend control minimizing cable damage and extending cable life
- Ideal for providing maximum safety where conduit is subject to vibration, motion or strain
- Stainless steel mesh is corrosion resistant and optional liquidtight fittings provide a watertight seal

### Support Grips



- Ideal for ensuring safety by supporting electrical cable service drops or hoses
- Positive action mesh grip design provides equal loading throughout the entire grip length
- Available in heavy duty, standard and light duty for a variety of applications

## Ordering Information

### Kellems® Deluxe Cord Grips

Description	Grip Diameter Range	Hubbell #	Fastenal #
Straight male thread; 3/8 in.	.250"-.312" (.63-.79)	07401001	<b>0731382</b>
N.P.T. thread size	.312"-.375" (.79-.95)	07401002	<b>0731383</b>
	.375"-.437" (.95-1.11)	07401003	<b>0731384</b>
Straight male thread; 1/2 in.	.187"-.250" (.47-.63)	07401004	<b>0731385</b>
N.P.T. thread size	.250"-.375" (.63-.95)	07401006	<b>0731386</b>
	.375"-.500" (.95-1.27)	07401008	<b>0731387</b>
	.500"-.625" (1.27-1.59)	07401010	<b>0731388</b>
90° male thread; 3/8 in. N.P.T.	.250"-.312" (.63-.79)	07401071	<b>0731414</b>
thread size	.312"-.375" (.79-.95)	07401072	<b>0731415</b>
	.375"-.437" (.95-1.11)	07401073	<b>0731416</b>
90° male thread; 1/2 in. N.P.T.	.187"-.250" (.47-.63)	07401074	<b>0731417</b>
thread size	.250"-.375" (.63-.95)	07401076	<b>0731418</b>
	.375"-.500" (.95-1.27)	07401078	<b>0731419</b>
	.500"-.625" (1.27-1.59)	07401080*	<b>0731420*</b>
45° male thread; 1/2 in. N.P.T.	.250"-.312" (.63-.79)	074011236	<b>0731463</b>
thread size	.312"-.375" (.79-.95)	074011021	<b>0731428</b>
	.500"-.625" (1.27-1.59)	074011237	<b>0731464</b>
45° male thread; 3/4 in. N.P.T.	.500"-.625" (1.27-1.59)	074011049	<b>0731444</b>
thread size	.625"-.750" (1.59-1.90)	074011051*	<b>0731445</b>
	.750"-.875" (1.90-2.22)	074011239*	<b>0731465</b>

\* Cable jacket may have to be stripped to pass through connector body.

### 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. (N)	Hubbell #	Fastenal #
.50"-.62" (1.27-1.57)	530 (2,357)	02201013	<b>0730744</b>
.63"-.74" (1.60-1.88)	790 (3,514)	02201014	<b>0730745</b>
.75"-.99" (1.90-2.51)	1,020 (4,537)	02201015	<b>0730746</b>
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	02201017	<b>0730747</b>
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	02201018	<b>0730748</b>
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	02201019	<b>0730749</b>

\*\* Change catalog number from 022 to 024 for stainless steel. Consult factory for availability.

### Single Eye, Split Mesh, Rod Closing\*\*

For support when cable end is not available.

Cable Diameter Range Inches (cm)	Approx. Breaking Strength Lbs. (N)	Hubbell #	Fastenal #
.50"-.62" (1.27-1.57)	790 (3,514)	02203013	<b>0730831</b>
.63"-.74" (1.60-1.88)	790 (3,514)	02203014	<b>0730832</b>
.75"-.99" (1.90-2.51)	1,020 (4,537)	02203015	<b>0730833</b>
1.00"-1.24" (2.54-3.15)	1,610 (7,161)	02203017	<b>0730834</b>
1.25"-1.49" (3.17-3.78)	1,610 (7,161)	02203018	<b>0730835</b>
1.50"-1.74" (3.81-4.42)	1,610 (7,161)	02203019	<b>0730836</b>

\*\* Change catalog number from 022 to 024 for stainless steel. Consult factory for availability.



## Wire Management

Protecting electrical circuitry on the factory floor improves safety for both people and equipment by preventing mechanical damage and moisture from impacting the integrity of the wiring. Hubbell PolyTuff® non-metallic liquidtight conduit and fittings are commonly used between disconnect switches and equipment in industrial applications to protect wiring and improve safety. Metallic liquidtight fittings are also available for certain applications.

### PolyTuff® Non-Metallic Liquidtight Conduit and Tubing



- Non-metallic construction ends metal fatigue and separation problems
- Cuts cleanly with a knife or PVC cutter with no jagged metal edges
- Handles twists, turns, bends, switchbacks and straightaways with ease
- Available with rigid PVC core PolyTuff® I or flexible corrugated wall PolyTuff® II

### PolyTuff® Liquidtight Fittings



- SwivelLok® nylon two-piece swivel body enables fitting to twist from 0° to 90°
- Neoprene O-ring ensures liquidtight seal at hub or enclosure
- Non-integral ferrule provides conduit seal and superior pullout protection



**NEC® 356.10 Uses Permitted.** LFNC shall be permitted to be used in exposed or concealed locations for the following purposes:

- (1) Where flexibility is required for installation, operation, or maintenance.
- (2) Where protection of the contained conductors is required from vapors, liquids or solids.
- (3) For outdoor locations where listed and marked as suitable for the purpose.
- (4) For direct burial where listed and marked for the purpose.
- (5) Type LFNC-B shall be permitted to be installed in lengths longer than 1.8 m (6 ft) where secured in accordance with 356.30.
- (6) For encasement in concrete where listed for direct burial and installed in compliance with 356.42.

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

## Ordering Information

### PolyTuff® I Conduit and PolyTuff® II Tubing

Trade Size (metric designator)	Feet (m)	PolyTuff® I Conduit		PolyTuff® II Tubing	
		Hubbell #	Fastenal #	Hubbell #	Fastenal #
¼ (10)	100 (30.5)	—	—	B2025	<b>0732158</b>
⅜ (12)	100 (30.5)	G1038	<b>0733574</b>	B2038	<b>0732159</b>
½ (16)	100 (30.5)	G1050	<b>0733575</b>	B2050	<b>0732160</b>
¾ (21)	100 (30.5)	G1075	<b>0733576</b>	B2075	<b>0732161</b>
1 (27)	100 (30.5)	G1100	<b>0733577</b>	B2100	<b>0732162</b>
1¼ (35)	100 (30.5)	G1125	<b>0733578</b>	B2125	<b>0732163</b>
1½ (41)	50 (15.2)	G1150	<b>0733579</b>	B2150	<b>0732164</b>
2 (53)	50 (15.2)	G1200	<b>0733580</b>	B2200	<b>0732165</b>



### SwivelLok® Multi-Position with Male Non-Metallic Liquidtight Fittings

Trade Size (metric designator)	Black		Gray	
	Hubbell #	Fastenal #	Hubbell #	Fastenal #
⅜ (9)	PS0389NBK	<b>0742679</b>	PS0389NGY	<b>0742680</b>
½ (13)	PS0509NBK	<b>0742681</b>	PS0509NGY	<b>0742682</b>
¾ (19)	PS0759NBK	<b>0742684</b>	PS0759NGY	<b>0742685</b>
1 (25)	PS1009NBK	<b>0742687</b>	PS1009NGY	<b>0742688</b>



### SwivelLok® Flexible Conduit Kit

Trade Size (metric designator)	Fitting and Conduit Kit	Hubbell #	Fastenal #
½ (13)	(2) PS0509NGY, 6' G1050	PS05GYKIT	<b>0742683</b>
¾ (19)	(2) PS0759NGY, 6' G1075	PS07GYKIT	<b>0742686</b>



### Straight with Male Non-Metallic Fittings for Non-Metallic Conduit

Trade Size (metric designator)	Black		Gray	
	Hubbell #	Fastenal #	Hubbell #	Fastenal #
¼ (6)	F2025	<b>0733293</b>	—	—
⅜ (9)	P038NBKA	<b>0741785</b>	P038NGYA	<b>0741786</b>
½ (13)	P050NBKA	<b>0741789</b>	P050NGYA	<b>0741790</b>
¾ (19)	P075NBKA	<b>0741793</b>	P075NGYA	<b>0741794</b>
1 (25)	P100NBKA	<b>0741797</b>	P100NGYA	<b>0741798</b>
1¼ (32)	P125NBK	<b>0741801</b>	P125NGY	<b>0741802</b>
1½ (38)	P150NBK	<b>0741805</b>	P150NGY	<b>0741806</b>
2 (51)	P200NBK	<b>0741815</b>	P200NGY	<b>0741816</b>



### Fixed 90° Fittings for Non-Metallic Conduit

Trade Size (metric designator)	Black		Gray	
	Hubbell #	Fastenal #	Hubbell #	Fastenal #
¼ (6)	F20259	<b>0733294</b>	—	—
⅜ (9)	P0389NBK	<b>0741783</b>	P0389NGY	<b>0741784</b>
½ (13)	P0509NBK	<b>0741787</b>	P0509NGY	<b>0741788</b>
¾ (19)	P0759NBK	<b>0741791</b>	P0759NGY	<b>0741792</b>
1 (25)	P1009NBK	<b>0741795</b>	P1009NGY	<b>0741796</b>
1¼ (32)	P1259NBK	<b>0741799</b>	P1259NGY	<b>0741800</b>







## UL355 4.3, 4.4

Cord Reels, that employ Ground-Fault Circuit Interrupter outlet(s) and are connected to the power supply by means of flexible cord with an attachment plug and/or that employ slip rings, shall be provided with open neutral protection as part of the GFCI.

AFL version allows cord reel installation to conform to **NEC® Article 511** 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.

## Cable Management

Cable reels can help eliminate unmanaged cords and cables that would otherwise cause trip hazards or an increased potential of electric shock. Hubbell Wiring Device-Kellems and Gleason Reel offer a wide range of cord reels that provide cable protection, including watertight, industrial, commercial and static discharge reels with grounding jaw clamps for a low resistant ground termination for maximum safety.

### Gleason Reel Industrial Cord Reels



- Provide safe convenient power and lighting for demanding industrial applications and environments
- All steel construction can be ceiling, wall or bench mounted
- Keeps cord organized and off the floor, saves time and money and improves safety while extending cord life

### Hubbell Wiring Device-Kellems Commercial Cord Reels



- Lighter weight for the less demanding requirements of commercial and light industrial environments
- Eliminates unmanaged cords which can cause trip hazards or an increased potential of electric shock
- AFL version provides automatic lamp shut-off to switch power above the floor height requirement
- Holds cord at desired length and provides smooth cord retraction

## Ordering Information

### Gleason Reel Industrial Power Cord Reels

Cord Data Type SJOW-A/SJO

Receptacle	Amps	AWG	Conductor	Length ft. (m)	Weight lbs. (kg.)	Hubbell#	Fastenal #
Single	10	16	3	25 (8)	22.8 (10.4)	GCA16325-SR	<b>7060622</b>
Single	10	16	3	35 (11)	23.7 (10.8)	GCA16335-SR	<b>7060623</b>
Single	10	16	3	50 (15)	25.0 (11.4)	GCA16350-SR	<b>7060624</b>
Single	10	16	3	70 (21)	35.3 (16.1)	GCC16370-SR	<b>7060625</b>
Single	15	14	3	25 (8)	24.5 (11.1)	GCA14325-SR	<b>7060626</b>
Single	15	14	3	35 (11)	26.1 (11.8)	GCA14335-SR	<b>7060627</b>
Single	15	14	3	50 (15)	28.5 (12.9)	GCA14350-SR	<b>7060628</b>
Single	15	14	3	70 (21)	36.6 (16.6)	GCC14370-SR	<b>7060629</b>
Single	20	12	3	25 (8)	23.7 (10.8)	GCA12325-SR	<b>7060630</b>
Single	20	12	3	35 (11)	25.0 (11.4)	GCA12335-SR	<b>7060631</b>
Single	20	12	3	45 (14)	26.9 (12.3)	GCA12345-SR	<b>7060632</b>
Single	15	12	3	50 (15)	42.7 (19.4)	GCC12350-SR	<b>7060633</b>
Single	15	12	3	70 (21)	47.6 (21.6)	GCC12370-SR	<b>7060634</b>
Dual	20	12	3	25 (8)	23.4 (10.6)	GCA12325-DR	<b>7060613</b>
Dual	20	12	3	35 (11)	24.7 (11.2)	GCA12335-DR	<b>7060614</b>
Dual	20	12	3	45 (14)	26.0 (11.8)	GCA12345-DR	<b>7060615</b>
Dual	15	12	3	50 (15)	44.2 (20.1)	GCC12350-DR	<b>7060616</b>
Dual	15	12	3	70 (21)	49.1 (22.3)	GCC12370-DR	<b>7060617</b>

### Hubbell Wiring Device-Kellems Commercial Cord Reels

Cord End	Amps	Watts (Max)	Length ft. (m)	Volts AC	Cable Type	Weight lbs. (kg.)	Hubbell #	Fastenal #
Triple tap outlet	15A	1200	40 (12.2)	125	12/3 SJTW	9 (4.1)	HBLC40123TT	<b>0737170</b>
Wire leads	10A	1250	25 (7.6)	125	16/3 SJT	8.5 (3.9)	HBLC25163	<b>0737167</b>
HBL5969VBLK connector	10A	1250	25 (7.6)	125	16/3 SJT	8.5 (3.9)	HBLC25163C	<b>0737169</b>
Metallic incandescent hand lamp w/ receptacle	12A	1625	25 (7.6)	125	14/3 SJT	9.5 (4.3)	HBLC25143IN	<b>0737166</b>
Fluorescent hand lamp and inline receptacle	10A	1200	40 (12.2)	120	16/3 SJT	9 (4.1)	HBLC40163FL	<b>0737171</b>
Fluorescent hand lamp; automatic shut off switch	0.3A	13	40 (12.2)	120	18/2 SJTOW	8.2 (3.7)	HBLC40182AFL	<b>0737172</b>



## Hose Management

Hose reels are designed to convey and protect valuable hoses that power and control moving machines of all types. They improve productivity and safety on the job by moving hoses away from hazardous locations on machinery or off of the shop floor and into a controlled environment. An effective hose management system will allow your hoses to last longer and provide better service as well as improve safety in the workplace environment.

### Series GH Hose Reels - Single Hose General Purpose Reel



- Six frame sizes, six spool widths
- 1/4", 3/8", 1/2" and 3/4" low, medium or high pressure hose
- High quality swivel joints designed with seals for each specific fluid application
- Rugged steel construction
- Full flow shaft and swivel
- Hand pull, fully automatic rewind
- Mount from ceiling, wall or under bench
- Spring motors are safety banded and lubricated for long, trouble free performance
- Positive ratchet lock
- Multi-position four roller hose guide
- Adjustable hose stop
- Orange polyester baked-on finish



**Hose Reels** are designed for hand pulling to make hose handling safer and smoother and to minimize costly replacement caused by excessive rewind speeds. Rewind pull is kept to a minimum resulting in a reel that is gentle to the pull out, yet very adequate rewind the hose. Hose reels keep the workplace floor free of clutter and safe.

### Ordering Information



#### Series GH Hose Reels Single Hose General Purpose Reel

Receptacle	Max Pressure	I.D. Inch	O.D. Inch	Length ft. (m)	Application	Input Hose Fitting	Hubbell#	Fastenal #
35' of low pressure 1/4" ID Hose	300 psi	1/4	0.51	35	Air/Water	1/4 NPTF	GHA2535-L	<b>0441965</b>
50' of low pressure 1/4" ID Hose	300 psi	1/4	0.51	50	Air/Water	1/4 NPTF	GHB2550-L	<b>0441966</b>
25' of low pressure 3/8" ID Hose	300 psi	3/8	0.65	25	Air/Water	3/8 NPTF	GHA3825-L	<b>0441967</b>
35' of low pressure 3/8" ID Hose	300 psi	3/8	0.65	35	Air/Water	3/8 NPTF	GHB3835-L	<b>0441968</b>
50' of low pressure 3/8" ID Hose	300 psi	3/8	0.65	50	Air/Water	3/8 NPTF	GHC3850-L	<b>0441969</b>
70' of low pressure 3/8" ID Hose	300 psi	3/8	0.65	70	Air/Water	3/8 NPTF	GHE3870-L	<b>0441970</b>
25' of low pressure 1/2" ID Hose	300 psi	1/2	0.77	25	Air/Water	1/2 NPTF	GHB5025-L	<b>0441972</b>
35' of low pressure 1/2" ID Hose	300 psi	1/2	0.77	35	Air/Water	1/2 NPTF	GHC5035-L	<b>0441973</b>
50' of low pressure 1/2" ID Hose	300 psi	1/2	0.77	50	Air/Water	1/2 NPTF	GHE5050-L	<b>0441974</b>

#### Series HH Hose Reels Industrial Duty Open Hose Reel\*

Max Pressure	I.D. Inch	O.D. Inch	Length ft. (m)	Application	Weight lbs (kg)	Hubbell#	Fastenal #
300 PSI	1/2	27/32	100	Air/Water/Oil/Grease	42	HH50100L	<b>0441960</b>
300 PSI	1/2	27/32	200	Air/Water/Oil/Grease	49	HH50500L	<b>0441961</b>
250 PSI	3/4	1 3/16	100	Air/Water/Oil/Grease	50	HH75100L	<b>0441962</b>
1000PSI	3/4	1 3/16	175	Air/Water/Oil/Grease	50	HH75175L	<b>0441963</b>

\*Hose must be ordered separately.





From the Occupational Safety and Health Act of 1970, SEC. 5.

## Duties (a) Each employer --

(1) shall furnish to each of his employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to his employees. Ergonomic risk factors include, but not limited to, forceful exertions, repetitive motions, and awkward postures occurring for prolonged durations which had caused, are causing or are likely to cause injuries, such as serious injuries of the back, shoulder, arm, wrist, hand and leg.

## Tool Balancers

Tool Balancers provide a simple means to reduce manufacturing and assembly costs by keeping tools in an easily accessible place at workstations and protecting expensive tools from damage. A Tool Balancer can help reduce worker fatigue and repetitive motion injuries by reducing the apparent weight that a worker must handle in repetitive assembly operations. A properly set-up Tool Balancer will make a heavy tool seem nearly weightless and will enable an operator to pull a tool down from an overhead mount, perform assigned tasks quickly and efficiently and return the tool to it's overhead storage position with little or no effort.

### Series "BD" Tool Balancers



The economical choice for balancing tools weighing up to 5 lbs (2.3kg). Molded ABS housing has a smooth exterior with rounded edges designed for maximum ergonomic appeal. Cable is steel and nylon covered. The easy adjustment knob allows you to make the proper adjustment withouth tools - no tools needed. Series "BD" Balancers are the most modern, easiest to adjust, and reliable.

### Heavy Duty Series "BG" Tool Balancers



Series "BG" Balancers 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 provides constant tension, adjustable for balancing tool in normal working zone (6 - 18 in. [152-457mm]). Cable is 920 lb. (414kg) test 0.09" (2.3mm) dia. 7 x 7 strand galvanized steel aircraft cable nylon covered to 0.12" (3.0mm) O.D. Includes safety tool clip and adjustable cable stop.

### Jib Kits



Jib Kits free up floor space and make using tools more efficient. They clear up floors and spaces of tripping hazards from cables and wires. They give any workstation more flexibility. The boom rotates easily and may be swung out of the work area when not in use.

## Ordering Information

### Series "BD" Tool Balancers

Load Capacity lbs. (kg.)	Cable Length ft. (m)	Reel Weight lbs. (kg.)	Hubbell#	Fastenal #
.5-1.5 (0.2-0.7)	6 (1.8)	1.3 (.06)	BD-01	<b>7060384</b>
1.5-3.0 (0.5-1.4)	6 (1.8)	1.3 (.06)	BD-03	<b>7060385</b>
3.0-5.0 (1.4-2.3)	6 (1.8)	1.3 (.06)	BD-05	<b>7060386</b>

### Heavy Duty Series "BG" Tool Balancers

Load Capacity lbs. (kg.)	Ratchet Lock	Cable Length ft. (m)	Reel Weight lbs. (kg.)	Hubbell#	Fastenal #
3.0-7.0 (1.4-3.2)	No	8 (2.4)	6 (2.7)	BG-03	<b>7060387</b>
3.0-7.0 (1.4-3.2)	Yes	8 (2.4)	6 (2.7)	BG-03-L	<b>7060388</b>
5.0-10.0 (2.3-4.5)	No	8 (2.4)	6 (2.7)	BG-07	<b>7060389</b>
5.0-10.0 (2.3-4.5)	Yes	8 (2.4)	6 (2.7)	BG-07-L	<b>7060390</b>
10.0-15.0 (4.5-6.8)	No	8 (2.4)	8 (3.6)	BG-15	<b>7060391</b>
10.0-15.0 (4.5-6.8)	Yes	8 (2.4)	8 (3.6)	BG-15-L	<b>7060392</b>
16.0-23.0 (7.2-10.4)	No	8 (2.4)	8 (3.6)	BG-20	<b>7060393</b>
16.0-23.0 (7.2-10.4)	Yes	8 (2.4)	8 (3.6)	BG-20-L	<b>7060394</b>

### Jib Kits

Load Capacity lbs. (kg.)	Boom Type	"Vertical Column Height"	Boom Length	Hubbell#	Fastenal #
150 (68.0)	Swing, 360°	10 ft	8 ft	W15S-100800	<b>7060409</b>
50 (22.7)	Fixed	7 ft	6 ft	W5F-060702	<b>7060410</b>
50 (22.7)	Fixed	9 ft	6 ft	W5F-060902	<b>7060412</b>
50 (22.7)	Swing, 180°	7 ft	6 ft	W5S-060702	<b>7060411</b>
50 (22.7)	Swing, 180°	9 ft	6 ft	W5S-060902	<b>7060413</b>

### Heavy Duty Series "BH" Tool Balancers

Load Capacity lbs. (kg.)	Cable Length ft. (m)	Reel Weight lbs. (kg.)	Hubbell#	Fastenal #
1.1-4.4 (.5-2.0)	3.3 (1.0)	2.2 (1.0)	BH-02	<b>7060395</b>
2.2-6.6 (1.0-3.0)	4.3 (1.3)	2.8 (1.3)	BH-03	<b>7060396</b>
5.5-11 (2.5-5.0)	4.3 (1.3)	3.3 (1.5)	BH-05	<b>7060397</b>
9-20 (4.0-9.0)	3.9 (1.2)	13.4 (6.1)	BH-09	<b>7060398</b>
20-33 (9.0-15.0)	3.9 (1.2)	13.4 (6.1)	BH-15	<b>7060399</b>
33-48 (15.0-22.0)	4.5 (1.4)	22.6 (10.2)	BH-22	<b>7060400</b>
48-66 (22.0-33.0)	4.5 (1.4)	22.6 (10.2)	BH-30	<b>7060401</b>
66-88 (30.0-40.0)	4.5 (1.4)	27.0 (12.2)	BH-40	<b>7060402</b>
88-110 (40.0-50.0)	4.5 (1.4)	27.0 (12.2)	BH-50	<b>7060403</b>
110-132 (50.0-60.0)	4.5 (1.4)	31.4 (14.2)	BH-60	<b>7060404</b>
132-154 (60.0-70.0)	4.5 (1.4)	31.4 (14.2)	BH-70	<b>7060405</b>
154-187 (70.0-80.0)	4.5 (1.4)	58.4 (26.5)	BH-85	<b>7060406</b>

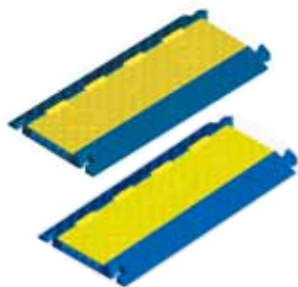




## Hose and Cable Protection Systems

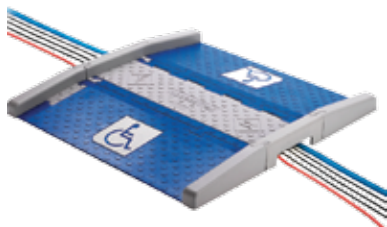
Exposed cables, cords and hoses can be a trip hazard for pedestrians, as well as a potential shock hazard. Hubbell offers a variety of hose and cable protection systems that provide a safe ramping system for both pedestrians and vehicles to pass over cables and hoses.

### TrukTrak® and TredTrak®



- Safeguards cables and cords from vehicle and pedestrian traffic
- TrukTrak® is ideal for industrial environments where trucks and forklifts are present
- TredTrak® supports pedestrian and light vehicle traffic in public, institutional and commercial applications
- Complies with NEC Article 525 for insulating cables at carnivals, amusement parks, convention centers and similar public areas

### AccessTrak®



- Modular cable protection for compliance with ADA accessibility guidelines
- Expandable five channel system that limits exposure of cables and hoses
- Protects cable and hose diameters up to 1.31 inches



### NEC® Article 110(F)(2)

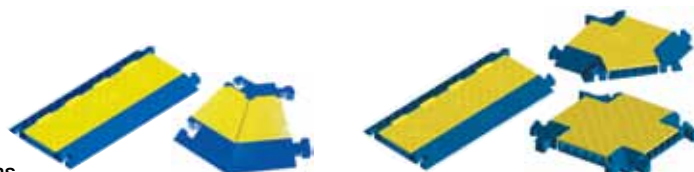
**Outdoor.** Outdoor electrical equipment shall be installed in suitable enclosures and shall be protected from accidental contact by unauthorized personnel, or by vehicular traffic.

### OSHA 1926.416(e)(1)

Requires that worn or frayed electrical cords or cables shall not be used. Precautions to mitigate wear include protection from damage and pinch points

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

## Ordering Information



### TrukTrak® and TredTrak® Systems

Description	TrukTrak®		TredTrak®	
	Hubbell #	Fastenal #	Hubbell #	Fastenal #
5 Channel, blue and yellow	HBLTT5B	<b>0737644</b>	HBLTRED5B	<b>0737615</b>
5 Channel end caps (pair only), yellow	HBLTT5ECB	<b>0737645</b>	HBLTRED5ECB	<b>0737616</b>
5 Channel female end caps (2 females), yellow	—	—	HBLTRED5ECFB	<b>0737617</b>
5 Channel 45° right turn, blue and yellow	HBLTT545RB	<b>0737643</b>	—	—
5 Channel 45° left turn, blue and yellow	HBLTT545LB	<b>0737642</b>	—	—
5 Channel "X" fitting, blue and yellow	—	—	HBLTRED5XB	<b>0737618</b>
5 Channel "Y" fitting, blue and yellow	—	—	HBLTRED5YB	<b>0737619</b>
3 Channel, blue and yellow	HBLTT3B	<b>0737640</b>	—	—
3 Channel end caps (pair only), yellow	HBLTT3ECB	<b>0737641</b>	—	—
2 Channel, blue and yellow	HBLTT2B	<b>0737639</b>	—	—



### AccessTrak® System

Description	Hubbell #	Fastenal #
5 Channel AccessTrak kit*, blue and gray	HBLAT5KITA	<b>0737153</b>
5 Channel AccessTrak trough, blue and gray	HBLAT5A	<b>0737151</b>
AccessTrak trough end rails (set), gray	HBLAT5ERA	<b>0737152</b>
AccessTrak ramps (set), blue	HBLAT5RAMPA	<b>0737154</b>
AccessTrak ramp end rails (set), gray	HBLAT5RAMPERA	<b>0737155</b>

\*Consists of (1) HBLAT5A; (1 set) HBLAT5ERA; (1 set) HBLAT5RAMPA; (2 sets) HBLRAMPERA.

### Expanded by Length



### Expanded by Width





## NFPA 101

**Paragraph 7.10.1.5.2** - Exit Signs need to be in viewing distance of no further than 100 ft. from any point

**Paragraph 7.9.3** Periodic Testing of Emergency Lighting Equipment, Shall be tested in accordance to:

### Paragraph 7.9.3.1.1

- Testing every 30 days for 30 seconds
- Functional testing annually for 90 minutes
- Equipment must be functional for duration of test

### Paragraph 7.9.2.1

- Emergency lighting should provide an initial illumination of 1 ft. candle average (at no one point less than .1 foot candle) measured at floor level
- Uniformity ratio not greater than 40 to 1

## Exit Signs

Under emergency conditions, its important to evacuate a building as quickly and safely as possible. These designated egress pathways, along with appropriate directional egress markings (exit signage), are intended to safely guide and direct building occupants to the "public way". Dual Lite offer many exit signs options to meet these code requirements while also providing energy savings, long life and aesthetically pleasing products.

### SE Series LED Exit Sign



- Long life energy efficient LED lamps with bright, even illumination
- Low profile architectural styling
- Self-test/self-diagnostic feature reduces maintenance
- Vandal resistant shield available

### HXC Series



- LED Emergency Exit Sign with side-mounted lighting heads for low profile installation and use with additional remote fixtures
- Impact resistant, thermoplastic LED exit combination unit with side mounted adjustable heads
- 5 watt halogen lamps in emergency lighting heads
- Optional 3 Watt LED MR16 lamps
- 120/277 VAC operation

## Ordering Information

### LX Series Low Profile Exit Sign

Description	Dual-Lite #	Fastenal #
Red Letters, White Housing, S/D Face	LXURWE	<b>0745666</b>
Red Letters, White Housing, S/D Face, Spectron	LXURWEI	<b>0745667</b>
Red Letters, Black Housing, S/D Face	LXURBE	<b>0745668</b>



### SE Series Cast Aluminum LED Exit Signs

Description	Dual-Lite #	Fastenal #
Red Letters, White Cast Housing, Single Face	SESRWE	<b>0745669</b>
Red Letters, White Cast Housing, Single Face, Spectron	SESRWEI	<b>0745670</b>



### CVE Series Edge-Lit LED Exit Signs

Description	Dual-Lite #	Fastenal #
Recessed Mount, Double Face, Red Letters	CVER2RNE	<b>0745671</b>
Surface Mount, Double Face, Red Letters	CVES2RNE	<b>0745672</b>
Clearview - Red Letters, White Housing, S/D Face	CV3REW	<b>0745673</b>



### LT Series Tandem Emergency Lighting Unit/Exit Signs

Description	Dual-Lite #	Fastenal #
Red Letters, White Housing, S/D Face	LTURW	<b>0745674</b>
Red Letters, White Housing, S/D Face w/Remote Capacity	LTURW3	<b>0745675</b>



### HXC Series Low-Profile, Combination Emergency Lighting/ LED Exit Sign

Description	Dual-Lite #	Fastenal #
Red Letters, White Housing Combination Sign	HXCURW	<b>0745676</b>
Red Letters, White Housing, Remote Capacity	HXCURWRC12	<b>0745677</b>



### Emergency Lighting Fluorescent Power Packs

Description	Dual-Lite #	Fastenal #
9.6W Output, Ni-Cad Battery, 120/277VAC	UFO-3AW	<b>0745686</b>
14.4W Output, Ni-Cad Battery, 120/277VAC	UFO-4W	<b>0745687</b>



## Emergency Lighting Units

In the absence of interior lighting due to an interruption in the normal power supply, the NFPA 101 Life Safety Code calls for illumination of the egress pathway(s) using an emergency lighting source. Emergency lighting plays a critical role to allow for the prompt escape of occupants from buildings or, where desirable, into safe areas within buildings; minimizing the danger to life from the effects of fire, including smoke, heat, and toxic gases created during a fire.

### LZ Series Wall Mount Unit



- High output Halogen or LED lamps
- Contemporary low profile housing
- "Hands free" installation
- Self-test/self-diagnostic feature reduces maintenance
- Redundant installations
- Lowest initial investment

### EZ-2 Series



- The Dual-Lite EZ-2 is a unique and efficient self-contained emergency lighting unit designed to meet a variety of needs
- Flame-rated, UV-stable thermoplastic housing
- Universal 120/277 VAC operation
- Maintenance-free lead-calcium battery

### PG Series



- An indoor/outdoor architecturally styled high performance LED remote which accepts 6 - 12 VDC input from any emergency fixture with remote capacity
- Low profile housing available in four powder coat finishes: dark bronze, white, platinum silver and black
- Design optimized wide area illumination patterns, LEDs will continue to operate even if 1 or 2 should fail



### NFPA 101

- **Paragraph 7.9.3** calls for initial emergency illumination levels of 1 ft. candle average on the path of egress; this paragraph also requires periodic testing of Emergency Lighting Equipment.
- **Paragraph 7.8.1.4:** The failure of one emergency lighting fixture shall not result in an illumination level of less than .2 ft-candle in any designated area.
- **Paragraph 7.8.1.1:** Illumination of means of egress includes stairs, aisles, corridors, ramps, escalators and passageways leading to a public way.

### Ordering Information

#### LM Series Commercial/Industrial High-Capacity Emergency Lighting Units

Description	Dual-Lite #	Fastenal #
6V 14.4W, White Housing	LM2	<b>0745679</b>
6V, 16W, White Housing	LM16	<b>0745680</b>
6V 33W, White Housing	LM33	<b>0745681</b>

#### N4X Series

##### Harsh Environment Emergency Lights

Description	Dual-Lite #	Fastenal #
6V 15W, Black Housing	N4X2	<b>0745682</b>
6V 15W, Black Housing with Spectron self diagnostic circuitry	N4X2I	<b>0745683</b>

#### CVEC Series

##### Commercial Emergency Lighting Units

Description	Dual-Lite #	Fastenal #
Calcium Battery, 120/277VAC, no remote capability	CVEC15	<b>0745684</b>
Calcium Battery, 120/277VAC, remote capability	CVEC30	<b>0745685</b>

#### PG Series Outdoor Emergency Lighting Units

Description	Dual-Lite #	Fastenal #
LED, 120/277, Dark Bronze	PGZ-HTR	<b>0745664</b>
LED, 120/277, White	PGW-HTR	<b>0745665</b>
120/277V, LED	PG-HTR	<b>0745663</b>

#### CV Series Designer Emergency Light

Description	Dual-Lite #	Fastenal #
Clearview 6V 12W, White Housing	CV2	<b>0745662</b>
Clearview 6V 18W, White Housing	CV3	<b>0745663</b>

#### Remote Heads and Fixtures

Description	Dual-Lite #	Fastenal #
Single Remote Head, White 6V, 5W	LZRSW0605	0745690
Single Remote Head, White 6V, 5.4W	CPRSW0605	0745691
Single Remote Head, White, 6V, 5W	OCRSW0605	0745692
Single Remote Head, White 6V, 5.4W	SRHSW0605	0745693
Single Remote Head, White, 6V, 5.4W	OMSSW0605	0745694

#### EZ-2 Series

##### Self-Contained Emergency Lighting Unit

Description	Dual-Lite #	Fastenal #
6V 10.8 W White Housing	EZ-2	0745653
6V 10.8 W White Housing, Damp Listed	EZ-2-D	0745654
6V 14.4 W White Housing, Spectron	EZ-2I	0745655

#### LZ Series

##### Low-profile emergency lighting unit

Description	Dual-Lite #	Fastenal #
6V 10 W, White Housing	LZ2	0745656
6V 10W, White Housing, Damp Listed	LZ2D	0745657
6V 10W, White Housing, Damp Listed	LZ2DI	0745658
6V 10W, Black Housing	LZ2-B	0745659
6V 15W, White Housing, Remote Capacity	LZ15	0745660
6V 30W, White Housing	LZ30	0745661







**NFPA 101** code requirements call for a means of egress to the public way and a minimum of 50' away to a safe gathering place; or, as determined by local authority having jurisdiction.

## Hubbell Outdoor Perimeter Lighting

Outdoor emergency lighting is critical to providing proper illumination for pathways away from buildings. This is typically accomplished in the following ways: indoor emergency lighting or combination units with remote capacity that power outdoor remote heads (normally off), outdoor, wet location listed emergency lighting units (normally off) with optional battery heater, outdoor fixtures powered by an inverter or backup generator system. Adequate exterior and perimeter lighting provides a safe environment for employees while also deterring vandalism and theft.

### NRG1100 Series



- Use for wall perimeter or entry at mounting heights of 8-15 feet. Meets strict lighting codes with neighbor-friendly full cutoff distribution.
- The decorative styling is also rugged with one piece polycarbonate front, painted bronze or white on the inside, that resists rocks and other small projectiles
- NRG-1100 is CSA certified to UL1598 for use in wet locations

### DD Series Dusk-to-Dawn



- UL approved DDS kits are used for typical residential or commercial installations while utility grade DDR kits are designed for DOT or municipal applications
- Kits include arm, lamp, 120V photocontrol and mounting hardware
- NPU-BI Skycap reflectors are offered for field conversion DDR/latch-on optics to full cutoff performance. Fits all NEMA compliant units

### S2LHW Motion Sensors



- Security or welcome lighting using a complete kit or by control other electrical devices
- Sensors are molded bronze or white non-metallic housing, ball joint and 1/2 inch threaded knuckle
- Center focus range 40/75 feet  
Broad 20/25 feet detection range

## Ordering Information

### Outdoor Microliter® Floodlight

Description	Hubbell #	Fastenal #
100 Watt floodlight	MIC0100H358	<b>0745740</b>
150 Watt floodlight	MIC0150P358	<b>0745741</b>



### Outdoor Laramie Decorative Floodlight

Description	Hubbell #	Fastenal #
150 Watt PS floodlight	LFS150P8BZLP	<b>0745742</b>
42 Watt CFL floodlight	LFS42F8BZLP	<b>0745743</b>



### Outdoor Miniliter® V Floodlight

Description	Hubbell #	Fastenal #
250 Watt PS floodlight	MHSY250P8	<b>0745744</b>
400 Watt PS V floodlight	MHSY400P8	<b>0745745</b>



### Outdoor Quartz Floodlight

Description	Hubbell #	Fastenal #
150 Watt Bronze	Q150B	<b>0745747</b>
150 Watt work floodlight	QWL150C	<b>0745751</b>
500 Watt work floodlight	QWL500S	<b>0745752</b>



### Outdoor Motion Sensor Kits

Description	Hubbell #	Fastenal #
White S series	S2LHW	<b>0745756</b>
Bronze M series	M2LH	<b>0745757</b>
White M series	M2LHW	<b>0745758</b>



### Outdoor Bullet lamp holder

Description	Hubbell #	Fastenal #
Bronze	309-M51ML	<b>0745753</b>



### 120 Outdoor Perimeter Wallpack

Description	Hubbell #	Fastenal #
70 Watt HPS	NRG307B-PC	<b>0745763</b>
42 Watt CFL	NRG304B-PC	<b>0745764</b>



### Quad Tap Outdoor Refractor Wallpack

Description	Hubbell #	Fastenal #
70 Watt MH, compact	WGH70H	<b>0745766</b>
250 Watt PS, mid-size	WGH250P	<b>0745769</b>



### Outdoor Full Cutoff Wallpacks

Description	Hubbell #	Fastenal #
Bronze, 100 Watt MH 120/277	NRG1111B	<b>0745771</b>
Bronze, 42 Watt MH 120/277	NRG1143B	<b>0745773</b>



### HPS 120 Outdoor Dusk-to-dawn

Description	Hubbell #	Fastenal #
150 Watt	DDS150S	<b>0745778</b>
70 Watt	DDS70S	<b>0745780</b>



### Perimaliter

Description	Hubbell #	Fastenal #
Polycarbonate 175PS	PVL3150P18BZL	<b>0745786</b>
Quad Tap/ Wallpack		
Glass Refractor 350PS Quad Tap/ Lamp Outdoor - Wallpack	PGL350P1281LP	<b>0745788</b>



## Safety LED Lighting Fixtures

Killark LED Lighting Fixtures are designed for installations where moisture, dirt, dust, corrosion and vibration may be present, or NEMA 3 and 4X areas where wind, water, snow or high ambients can be expected. CERTILITE® MBL and CERTILITE®V VM1L LED fixtures can be used in locations made hazardous by the presence of flammable vapors or gases or combustible dusts as defined by the NEC; typical applications include manufacturing plants, and certain chemical and petrochemical processing facilities, sewage treatment plants, off-shore and dockside installations, garages and storage facilities. HOSTILELITE® EML Series LED fixtures can be used in locations made hazardous due to the presence of flammable or explosive gases, vapors and combustible dusts as defined by the NEC. Applications include classified areas such as paint manufacturing plants, ammunition facilities, oil and gas producing and refining plants, off-shore and dockside installations, tank farms, pipeline pumping stations and marine loading and fuel transfer terminals.

### CERTILITE® MBL, CERTILITE®V VM1L and HOSTILELITE® EML Series LED Fixtures



- Solder-LESS LED board connections - vibration resistant
- Energy savings - less than 50 watts of power
- Wide variety of optics including globes, globes with reflectors, all-glass refractors, and spin-top refractors
- Optional Mounting arrangements including Pendant, Wall, Ceiling, Stanchion and others
- Copper-free aluminum construction with electro statically applied epoxy/polyester powder paint
- All external hardware - stainless steel for superior corrosion resistance
- Class I, Div. 2 for Groups A,B,C,D. Class II Div. 1 & 2 for Groups E,F,G. Class III Div. 1 & 2.
- UL and CSA compliant; Certified File No. LR11713; Approved for Wet Locations.



**NEC® Article 500.1 Scope - Articles 500 through 504**

Articles 500 through 504 cover the requirements for electrical and electronic equipment and wiring for all voltages in Class I, Divisions 1 and 2; Class II, Divisions 1 and 2; and Class III, Divisions 1 and 2 locations where fire or explosion hazards may exist due to flammable gases, flammable liquid-produced vapors, combustible liquid-produced vapors, combustible dusts, or ignitable fibers/flyings.

**NEC® Articles 501.130, 502.130 and 503.130 Luminaires.**

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

### Ordering Information

#### EM Series LED Lighting and Accessories

Description	Killark #	Fastenal #
EM LED 45W 120-277V Fluted GL	EML4530	<b>0762679</b>
30 Degree Angle Aluminum Reflector	ERA30	<b>0762684</b>
Copper-Free Aluminum Guard	EMG2	<b>0762686</b>
Aluminum Dome Reflector 300W EM/EB	ERSD30	<b>0762683</b>



#### MB Series LED Lighting and Accessories

Description	Killark #	Fastenal #
MB LED 22W 120-277V HSG	MBL4530	<b>0762674</b>
MB LED 45W 120-277V HSG	MBL2230	<b>0762675</b>
MB 1 1/4" Stanchion Mounting Bracket	MBD-4	<b>0762676</b>
MB Poly Fiberglass Angle Reflector	VMPSD17	<b>0762677</b>
MB Poly Fiberglass Dome Reflector	VMPA17	<b>0762678</b>



#### VM Series LED Lighting and Accessories

Description	Killark #	Fastenal #
VM1 LED 45W 120-277V HGS	VM1L4530	<b>0762660</b>
VM 1" Ceiling Splice Box	VMX3B	<b>0762668</b>
VM 1" Pendant Splice Box	VMA3B	<b>0762662</b>
VM 1" Wall Splice Box	VMB3B	<b>0762664</b>
VM 1 1/2" Stanchion Mount Splice Box	VMD5B	<b>0762666</b>
VM 1 1/4" 25 Degree Stanchion Mount	VMD4B	<b>0762665</b>
VM 3/4" Pendant Splice Box	VMA2B	<b>0762661</b>
VM 3/4" Wall Splice Box	VMB2B	<b>0762663</b>
VM 4 Hub Ceiling Mount Splice Box	VMX2B	<b>0762667</b>
VM Fiberglass Angle Reflector	VMPA40	<b>0762673</b>
VM Fiberglass Dome Reflector	VMPSD40	<b>0762672</b>
Aluminum Guard for VEQ Series Fixtures	VMAG17	<b>0762671</b>
Glass Globe for VM3 Fixtures	VMG17	<b>0762669</b>
Glass Reflector for VM3 Fixtures	VMR175	<b>0762670</b>



#### Mounting & Reflector Accessories

Description	Killark #	Fastenal #
1" Ceiling Mount Box	EZX3	<b>0762681</b>
1" Pendant Mount Assembly	EZA3	<b>0762680</b>
1" Wall Bracket Mount Assembly	EZB3	<b>0762682</b>
1 1/4" Stanchion Mount Assembly	EZD4	<b>0762685</b>
30 Degree Angle Aluminum Reflector	ERA30	<b>0762684</b>





## NEC® Article 501.15 (A)(1) Conduit Seals, Class I

### Division 1. Entering Enclosures.

In each conduit entry into and explosion proof enclosure where either of the following apply: (1) The enclosure contains apparatus, such as switches, circuit breakers, fuses, relays, or resistors, that may produce arcs, sparks, or high temperatures that are considered to be an ignition source in normal operation. (2) The entry is metric designator 53 (trade size 2) or larger and the enclosure contains terminals, splices, or taps.

### Division 2. Entering Enclosures.

For connections to enclosures that are required to be explosion proof, a conduit seal shall be provided in accordance with 501.15(A)(1)(1) and (A)(3). All portions of the conduit run or nipple between the seal and such enclosure shall comply with 501.10(A).

## Conduit Bodies and Accessories

A major factor in all harsh and hazardous environments is the ability to provide reliable cable terminations and conduit connections. Copper-Free Aluminum Connectors are designed to terminate jacketed interlocked cables (MC), corrugated continuously welded metal clad cables (MC-HL) and non-armored cables (SO, TC). Iron and Aluminum Fittings for rigid and IMC conduit raceway systems. Third party certified to NEC, CEC, ATEX and IEC Standards which enables equipment and installations to be suitable for global applications.

### Duraloy® 5 Series Fittings



- Enhanced sealing capabilities utilizing neoprene sealing gaskets to provide a NEMA 3 seal
- High-quality sealing hardware of 316 stainless steel for superior corrosion resistance
- Innovative spring clip design for installation ease and repeat usage
- Smooth integral wire bushings protects cable from through opening
- For use with threaded rigid conduit steel or aluminum
- Flat-back design for greater wiring capacity and mounting stability
- UL and CSA certified interchangeability with competitive products
- Suitable for wet locations when used with gasketed covers

## Ordering Information

### OLL & OLB Series Aluminum Conduit Fittings

Description	Killark #	Fastenal #
OLL-1 1/2"	OLL-1	<b>0700080</b>
OLR 1/2"	OLR-1	<b>0700083</b>
OLL-2 3/4"	OLL-2	<b>0700087</b>
OLB-2 3/4"	OLB-2	<b>0700089</b>
OLR-2 3/4"	OLR-2	<b>0700090</b>
OLL-3 1"	OLL-3	<b>0700094</b>
OLB-3 1"	OLB-3	<b>0700096</b>
OLR-3 1"	OLR-3	<b>0700097</b>

### OLK Series Aluminum Conduit Fittings

Description	Killark #	Fastenal #
OLK-1RG 1/2"	OLK-1RG	<b>0703843</b>
OLK-RG 3/4"	OLK-2RG	<b>0703844</b>
OLK-3RG 1"	OLK-3RG	<b>0703845</b>

### OLB, OLL & OLR Iron Conduit Fittings

Description	Killark #	Fastenal #
MI OLB-1M 1/2"	OLB-1M	<b>0708447</b>
MI OLB-2M 3/4"	OLB-2M	<b>0708448</b>
MI OLB-3M 1"	OLB-3M	<b>0708449</b>
MI OLL-1M 1/2"	OLL-1M	<b>0708455</b>
MI OLL-2M 3/4"	OLL-2M	<b>0708456</b>
MI OLL-3M 1"	OLL-3M	<b>0708457</b>
MI OLR-1M 1/2"	OLR-1M	<b>0708459</b>
MI OLR-2M 3/4"	OLR-2M	<b>0708460</b>
MI OLR-3M 1"	OLR-3M	<b>0708461</b>

### LB Series Aluminum Conduit Fittings

Description	Killark #	Fastenal #
LB cond body OLB6	OLB-6	<b>0709748</b>
LB cond body OLB5M	OLB-5M	<b>0709749</b>
LB cond body OLB-6M	OLB-6M	<b>0709750</b>

### LL Series Aluminum Conduit Fittings

Description	Killark #	Fastenal #
LL cond body OLL-5	OLL-5	<b>0709751</b>
LL type cond body OLL-6	OLL-6	<b>0709752</b>

### LL Series Iron Conduit Fittings

Description	Killark #	Fastenal #
LL type cond body OLL-5M	OLL-5M	<b>0709753</b>
LL type cond body OLL-6M	OLL-6M	<b>0709754</b>

### LR Series Aluminum Conduit Fittings

Description	Killark #	Fastenal #
LR type cond body OLR-5	OLR-5	<b>0709755</b>
LR type cond body OLR-6	OLR-6	<b>0709756</b>

### LR Series Iron Conduit Fittings

Description	Killark #	Fastenal #
LR type cond OLR-5M	OLR-5M	<b>0709757</b>
LR type cond OLR-6M	OLR-6M	<b>0709758</b>

### Aluminum Conduit Kits (Body, Cover & Gasket)

Description	Killark #	Fastenal #
OLB-2CG CB	OLB-2CG	<b>0722477</b>
OLB-3CG CB	OLB-3CG	<b>0722478</b>
OLB-4CG CB	OLB-4CG	<b>0722479</b>
OLB-5CG CB	OLB-5CG	<b>0722480</b>
OLB-6CG CB	OLB-6CG	<b>0722481</b>
OLB-7CG CB	OLB-7CG	<b>0722482</b>
OLL-1CG CB	OLL-1CG	<b>0722483</b>
OLL-2CG CB	OLL-2CG	<b>0722484</b>
OLL-3CG CB	OLL-3CG	<b>0722485</b>
OLR-1CG CB	OLR-1CG	<b>0722486</b>
OLR-2CG CB	OLR-2CG	<b>0722487</b>
OLR-3CG CB	OLR-3CG	<b>0722488</b>
1-1/4" LL CB	OLL-4CG	<b>0728619</b>
1-1/2" LL CB	OLL-5CG	<b>0728620</b>
2" LL Cnd Bdy	OLL-6CG	<b>0728621</b>
1-1/4" LR CB	OLR-4CG	<b>0728622</b>
1-1/2" LR CB	OLR-5CG	<b>0728623</b>
2" LR Cnd Bdy	OLR-6CG	<b>0728624</b>

### Fiber Fittings Gaskets

Description	Killark #	Fastenal #
1/2" Fiber Gasket	OLK-1VG	<b>0728607</b>
3/4" Fiber Gasket	OLK-2VG	<b>0728608</b>
1" Fiber Gasket	OLK-3VG	<b>0728609</b>





## Top 10 Most Frequently Cited Standards for Fiscal 2010 (Oct. 1, 2009 to Sept. 30, 2010)

Federal Data As of Oct. 8, 2010

The following is a list of the top 10 most frequently cited standards following inspections of worksites by federal OSHA. OSHA publishes this list to alert employers about these commonly cited standards so they can take steps to find and fix recognized hazards addressed in these and other standards before OSHA shows up. Far too many preventable injuries and illnesses occur in the workplace.

1. Scaffolding, general requirements, construction ([29 CFR 1926.451](#))
2. Fall protection, construction ([29 CFR 1926.501](#))
3. Hazard communication standard, general industry ([29 CFR 1910.1200](#))
4. Ladders, construction ([29 CFR 1926.1053](#))
5. Respiratory protection, general industry ([29 CFR 1910.134](#))
6. Control of hazardous energy (lockout/tagout), general industry ([29 CFR 1910.147](#)) (#4 in Fines)
7. Electrical, wiring methods, components and equipment, general industry ([29 CFR 1910.305](#))
8. Powered industrial trucks, general industry ([29 CFR 1910.178](#))
9. Electrical systems design, general requirements, general industry ([29 CFR 1910.303](#)) (#2 In Fines)
10. Machines, general requirements, general industry ([29 CFR 1910.212](#))

## Most Frequently Cited Electrical Violations

The following were the top 10 most frequently cited standards in fiscal year 2008\*

1. Electrical Grounding
2. Ground Fault Protection
3. Strain Relief for Cords
4. Listed, Labeled, or Certified Equipment
5. Worn and Frayed Electrical Cables
6. Ground Fault Circuit Interrupters
7. Covers for Pull Boxes, Junction Boxes, Fittings, and Outlet Boxes
8. Electrical Equipment Fire Hazards
9. Guarding/Protecting Temporary Wiring Over 600 Volts
10. Access to Installations over 600 Volts

\*October 1, 2007 through September 30, 2008

# HUBBELL® Safety Application Guide

## An Essential Core Value

As an industry leader, Hubbell is extremely involved with regulatory associations and has an extensive knowledge of codes and regulations that businesses must comply with to ensure safety and reduce risk. From the latest version of the National Electric Code® (NEC) to NEMA requirements and OSHA regulations, Hubbell products comply with the latest codes to help our customers ensure proper safety in the workplace. As part of our ongoing commitment to safety, Hubbell Wiring Device-Kellems holds numerous ShopTalk™ Seminars across the nation to provide up-to-date information on safety requirements, potential safety risks and products and solutions. Hubbell understands the importance of making safety a core value in every business and the cost of non-compliance. Keeping people and equipment safe with Hubbell products reduces risk and liability.

## HubbellSafe

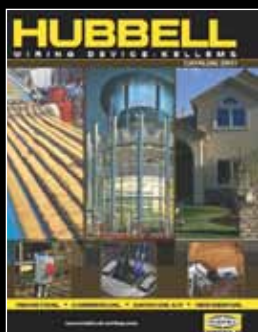
It's a proven fact: safety is good for business. That's why HubbellSafe goes far beyond our commitment to engineer safety into every product. We give you learning tools, training and audits to help ensure safety across your operations. The complete HubbellSafe package helps reduce downtime and increase more-productive uptime. We'll show you how to make safety a competitive advantage. Learn more at [www.hubbell-wiring.com/safety.aspx](http://www.hubbell-wiring.com/safety.aspx).

## Website Support

The Hubbell brand websites feature quick links to Hubbell's safety oriented products, virtual and downloadable PDF catalogs, resources, support and ordering tools. The websites also offer extensive literature libraries and strategic market landing pages. Visit the Hubbell brand web sites today



Hubbell Wiring Device-Kellems Catalog



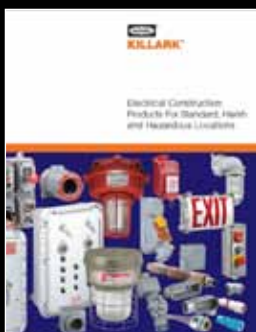
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