

# Watertight locking devices

## Innovative solutions for watertight locking applications

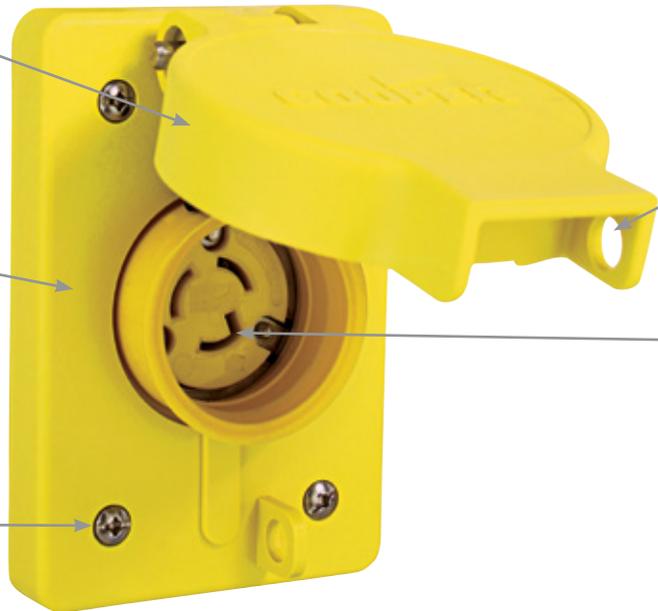
Arrow Hart's watertight locking devices utilize a unique, robust design and superior materials to provide watertight security in harsh environments

### Watertight receptacles, plugs & connectors features & benefits

Spring-loaded self-closing flip lid cover ensures a watertight seal to NEMA Type 4X when the receptacle is not in use

Glass-filled nylon cover and exterior shell provide impact resistance in harsh environments

Stainless steel mounting and assembly screws provide corrosion resistance



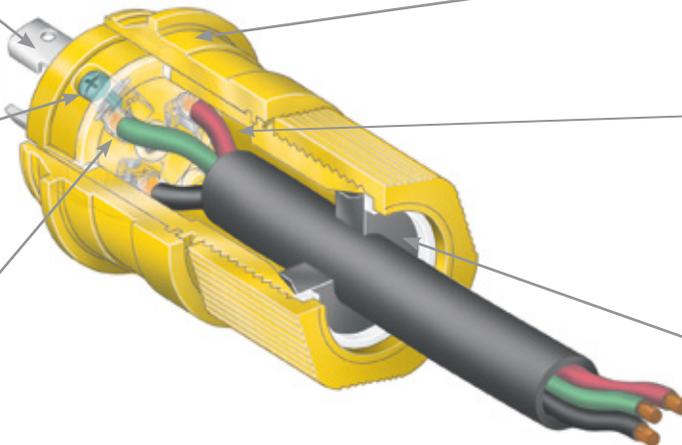
Lockable cover provides means of lockout/tagout

Nickel plated power contacts and terminal assemblies provide corrosion resistance

Nickel plated contacts, blades and terminal screws provide corrosion resistance

Tri-combo stainless steel assembly screws provide corrosion resistance

Tapered individual wire pockets guide wire into contact area for ease of installation



Innovative sealing system provides multipoint watertight seal

Glass reinforced polypropylene interior and Santoprene™ elastomeric exterior molded together for watertight seal and rugged support

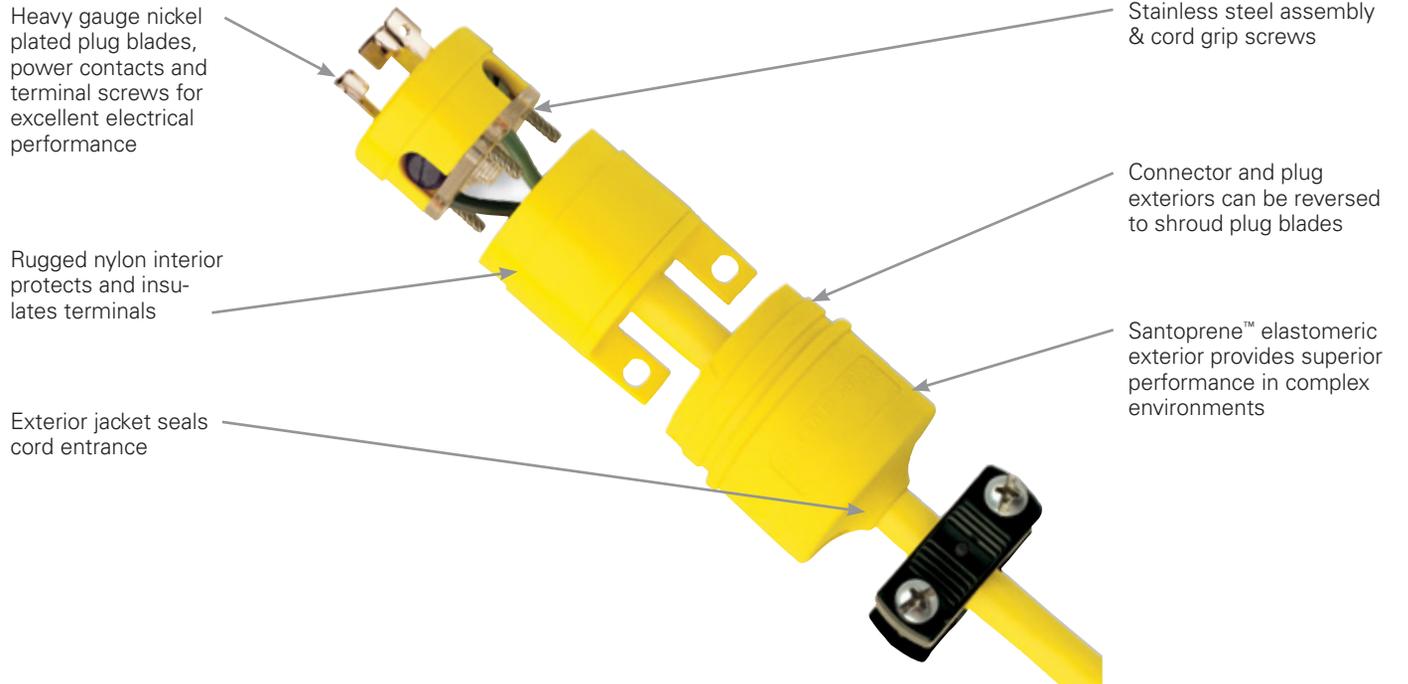
Santoprene™ grommet ensures a watertight seal

# Severe duty locking devices

## Heavy duty devices for industrial applications

Arrow Hart's unique line of severe duty locking devices are designed and built tough for use in demanding environments with exposure to heat, oil, chemicals, and impact

### Severe duty plugs & connectors features & benefits



Compliances, specifications and availability are subject to change without notice.

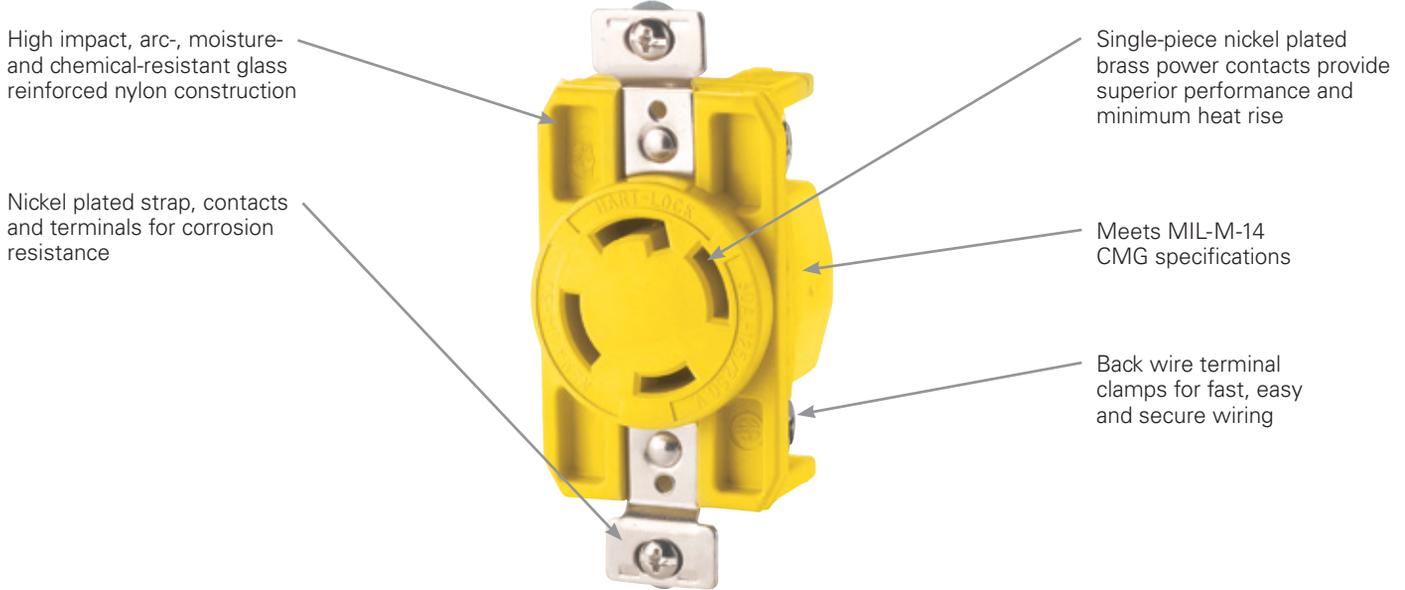
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# Corrosion resistant locking devices

## Designed specifically for longevity in harsh, corrosive environments

Perfect for industrial or commercial applications, corrosion resistant locking devices are engineered to deliver long, dependable performance in moisture, humidity, and corrosive environments

### Corrosion resistant receptacles features & benefits



### Corrosion resistant plugs & connectors features & benefits



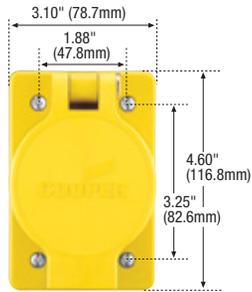
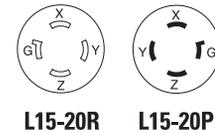
Santoprene™ grommets ensure watertight seal at cord entrance



### Complex environment locking devices

#### Product description

3-pole, 4-wire grounding  
20A, 3Ø 250V/AC  
NEMA L15-20



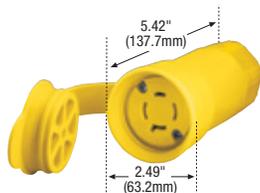
L1520RW



L1620PY



L1620CY



L1620CW

**Dimensional information:**  
D-34-35

**Specification information:**  
Watertight industrial plugs & connectors: D-38  
Watertight industrial receptacles: D-39  
Severe duty industrial plugs & connectors: D-40  
Corrosion resistant: D-41

#### 3Ø plugs & connectors



Rating A	V/AC	NEMA	Description	Cord diameter	Color	Plug catalog no.	Connector catalog no.	
20	250	L15-20	3Ø watertight	0.36-0.84" (9.1-21.3mm)	Y	□ L1520PW	□ L1520CW	• •
			3Ø watertight	0.36-0.84" (9.1-21.3mm)	BK	□ L1520PWBK	□ L1520CWBK	• •
			3Ø severe duty	0.63-1.16" (15.9-29.4mm)	Y & BK	□ L1520PY	□ L1520CY	• •
			3Ø safety grip corrosion resistant	0.38-1.00" (9.7-25.4mm)	Y	□ CRL1520P	□ CRL1520C	• •

#### 3Ø receptacles



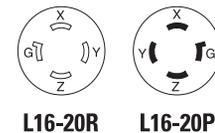
Rating A	V/AC	NEMA	Description	Color	Single receptacle catalog no.	
20	250	L15-20	Watertight	Y	□ L1520RW <sup>Δ*</sup>	• •
			Watertight	BK	□ L1520RWBK <sup>Δ*</sup>	• •
			Corrosion resistant	Y	□ CRL1520R <sup>†</sup>	

<sup>Δ</sup> cULus Listed, <sup>\*</sup> Not Fed Spec, <sup>†</sup> CSA certified

### Complex environment locking devices

#### Product description

3-pole, 4-wire grounding  
20A, 3Ø 480V/AC  
NEMA L16-20



L1620CY

#### 3Ø plugs & connectors



Rating A	V/AC	NEMA	Description	Cord diameter	Color	Plug catalog no.	Connector catalog no.	
20	480	L16-20	3Ø watertight	0.36-0.84" (9.1-21.3mm)	Y	□ L1620PW	□ L1620CW	• •
			3Ø watertight	0.36-0.84" (9.1-21.3mm)	BK	□ L1620PWBK	□ L1620CWBK	• •
			3Ø severe duty	0.63-1.16" (15.9-29.4mm)	Y & BK	□ L1620PY	□ L1620CY	• •
			3Ø safety grip corrosion resistant	0.38-1.00" (9.7-25.4mm)	Y	□ CRL1620P	□ CRL1620C	

#### 3Ø receptacles



Rating A	V/AC	NEMA	Description	Color	Single receptacle catalog no.	
20	480	L16-20	3Ø watertight	Y	□ L1620RW	• •
			3Ø watertight	BK	□ L1620RWBK	• •

#### Color information:

BK (Black), Y (Yellow)



(Black)

(Yellow)

**Compliances, specifications and availability are subject to change without notice.**

Indicates NAFTA compliant - Page Q-32

RoHS compliant - Page Q-32

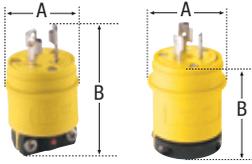
# Locking devices dimensional data

## Complex environment severe duty locking devices

### Product description

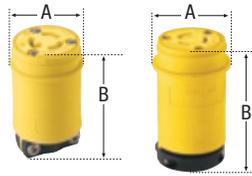
15A, 20A & 30A  
Locking devices

#### Severe duty plugs



Family	A	B	Cord diameter
15A locking	1.69" (42.9mm)	2.09" (53.1mm)	0.33-0.66" (8.4-16.7mm)
20A locking: 2-P, 3-W & 3-P, 3-W	2.39" (60.7mm)	2.86" (72.6mm)	0.38-1.00" (9.7-25.4mm)
20A locking: 3-P, 4-W; 4-P, 4-W; 4-P, 5-W	2.39" (60.7mm)	2.86" (72.6mm)	0.63-1.16" (15.9-29.4mm)
30A locking: 2-P, 3-W & 3-P, 3-W	2.64" (67.1mm)	2.86" (72.6mm)	0.38-1.00" (9.7-25.4mm)
30A locking: 3-P, 4-W; 4-P, 4-W; 4-P, 5-W	2.64" (67.1mm)	2.86" (72.6mm)	0.38-1.00" (9.7-25.4mm)

#### Severe duty connectors



Family	A	B	Cord diameter
15A locking	1.69" (42.9mm)	2.78" (70.6mm)	0.33-0.66" (8.4-16.7mm)
20A locking: 2-P, 3-W & 3-P, 3-W	2.39" (60.7mm)	3.86" (98.0mm)	0.38-1.00" (9.7-25.4mm)
20A locking: 3-P, 4-W; 4-P, 4-W; 4-P, 5-W	2.39" (60.7mm)	3.86" (98.0mm)	0.63-1.16" (15.9-29.4mm)
30A locking: 2-P, 3-W & 3-P, 3-W	2.64" (67.1mm)	3.94" (100.1mm)	0.38-1.00" (9.7-25.4mm)
30A locking: 3-P, 4-W; 4-P, 4-W; 4-P, 5-W	2.64" (67.1mm)	3.94" (100.1mm)	0.38-1.00" (9.7-25.4mm)

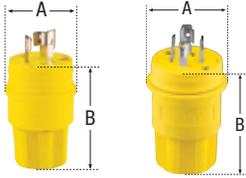
# Locking device dimensional data

## Complex environment plugs, connectors & receptacles

### Product description

15A, 20A & 30A  
Locking devices

#### Watertight plugs



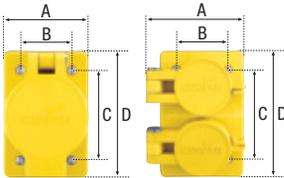
Family	A	B	Cord diameter
15A locking	1.62" (41.1mm)	2.96" (75.2mm)	0.30-0.65" (7.6-16.5mm)
20A locking	2.49" (63.2mm)	3.66" (93.0mm)	0.36-0.84" (9.1-21.3mm)
30A locking	2.69" (68.3mm)	3.66" (93.0mm)	0.43-1.15" (10.9-29.2mm)

#### Severe duty connectors



Family	A	B	Cord diameter
15A locking	1.62" (41.1mm)	4.00" (101.6mm)	0.30-0.65" (7.6-16.5mm)
20A locking	2.49" (63.2mm)	5.42" (137.7mm)	0.36-0.84" (9.1-21.3mm)
30A locking	2.69" (68.3mm)	5.42" (137.7mm)	0.43-1.15" (10.9-29.2mm)

#### Watertight receptacles



Family	A	B	C	D	Cord diameter
Single receptacle	3.10" (78.7mm)	1.88" (47.8mm)	3.25" (82.6mm)	4.60" (116.8mm)	0.30-0.65" (7.6-16.5mm)
Duplex receptacle	3.62" (91.9mm)	1.88" (47.8mm)	3.25" (82.6mm)	4.63" (117.6mm)	0.30-0.65" (7.6-16.5mm)

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# Watertight locking devices specification & performance data

## Complex environment watertight locking devices

### Product description

2-pole, 3-wire grounding; 3-pole, 3-wire non-grounding; 3-pole, 4-wire grounding;  
4-pole, 4-wire non-grounding; 4-pole, 5-wire grounding

Device type	Watertight plugs & connectors, locking configurations: L5-15, L6-15, L7-15, L7-20, L8-20, L7-30, L8-30, L10-20, L10-30, L16-20, L16-30, L17-30, L19-20, L20-20, L19-30, L20-30, L23-20, L22-30, L23-30, Non-NEMA 20A 125/250V, Non-NEMA 30A	Watertight plugs & connectors, locking configurations: L5-20, L6-20, L5-30, L6-30, L11-20, L11-30, L14-20, L15-20, L14-30, L15-30, L18-20, L18-30, L21-20, L22-20, L21-30, Non-NEMA 20A 3Ø 120/208V
<b>Wiring type</b>	Back wire	Back wire
<b>Testing &amp; code compliance</b>	<ul style="list-style-type: none"> <li>cULus Listed to UL498, file no. E3663</li> </ul>	<ul style="list-style-type: none"> <li>cULus Listed to UL498, file no. E3663</li> <li>NOM certified</li> </ul>
<b>Environmental specifications</b>	<p><b>Flammability:</b> Meets UL94 requirements; V2 rated  <b>Temperature rating:</b> -40°C to 75°C (-40°F to 167°F)  <b>Protection:</b> NEMA Type 4, 4X, 6, 6P &amp; IP67  <b>High pressure water test:</b> 1000 psi spray (mated or with closure cap)</p>	<p><b>Flammability:</b> Meets UL94 requirements; V2 rated  <b>Temperature rating:</b> -40°C to 75°C (-40°F to 167°F)  <b>Protection:</b> NEMA Type 4, 4X, 6, 6P &amp; IP67  <b>High pressure water test:</b> 1000 psi spray (mated or with closure cap)</p>
<b>Electrical specifications</b>	<p><b>Dielectric voltage:</b> Withstands 1500V per UL498  <b>Current interrupting:</b> Yes, at full-rated current  <b>Temperature rise:</b> Max. 30°C (86°F) after 250 cycles of overload</p>	<p><b>Dielectric voltage:</b> Withstands 1500V per UL498  <b>Current interrupting:</b> Yes, at full-rated current  <b>Temperature rise:</b> Max. 30°C (86°F) after 250 cycles of overload</p>
<b>Mechanical specifications</b>	<p><b>Terminal accommodation:</b> #18 - #10 AWG  <b>Voltage ratings:</b> Permanently marked on device</p>	<p><b>Terminal accommodation:</b> #18 - #10 AWG  <b>Voltage ratings:</b> Permanently marked on device</p>
<b>Materials</b>	<p><b>Plug/connector outer shell:</b> Santoprene™ thermoplastic elastomeric over glass filled polypropylene  <b>Interior body:</b> Nylon  <b>Terminal retainer:</b> Clear lexan  <b>Blades:</b> .069" thick brass, nickel plated  <b>Line contacts:</b> .030"-.032" thick brass, nickel plated  <b>Terminal clamps:</b> Steel, nickel plated  <b>Terminal screws:</b> #10-32 brass, neutral screw nickel plated  <b>Ground screw:</b> #10-32 brass, zinc plated, green  <b>Assembly/ mounting screws:</b> Stainless steel  <b>Compression nut:</b> Glass-filled nylon  <b>Compression nut grommet:</b> Santoprene™</p>	<p><b>Plug/connector outer shell:</b> Santoprene™ thermoplastic elastomeric over glass filled polypropylene  <b>Interior body:</b> Nylon  <b>Terminal retainer:</b> Clear lexan  <b>Blades:</b> .069" thick brass, nickel plated  <b>Line contacts:</b> .030"-.032" thick brass, nickel plated  <b>Terminal clamps:</b> Steel, nickel plated  <b>Terminal screws:</b> #10-32 brass, neutral screw nickel plated  <b>Ground screw:</b> #10-32 brass, zinc plated, green  <b>Assembly/ mounting screws:</b> Stainless steel  <b>Compression nut:</b> Glass-filled nylon  <b>Compression nut grommet:</b> Santoprene™</p>