

## The Industry's Most Complete Line of Locking Industrial Devices

Arrow Hart offers the most rugged, feature-rich, broadest line of quality locking devices to meet the specific needs of demanding industrial applications



### Hart-Lock™ Locking Devices

The widest range of NEMA and non-NEMA devices, designed and built with superior materials for long lasting performance.



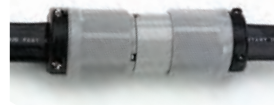
### Hart-Lock™ 50A Locking Devices

Rugged Pro-Grip™, armored and marine grade 50A locking devices are ideal for harsh construction and industrial applications.



### Power-Lock Devices

Power-Lock devices offer a positive engagement single-post design in rugged nylon or armored shell housings for reliable service.



### Hart-Lock™ Flat Cable Devices

Hart-Lock Flat Cable plugs & connectors are designed specifically for 4-Pole, 5-Wire flat cable applications in convention and exhibit halls or other high-traffic flat-cable environments.



## Watertight, Severe-Duty & Corrosion Resistant Devices Moved to Complex Environments (Section D)



### Complex Environment Devices

#### Watertight Devices

#### Severe Duty Devices

#### Corrosion Resistant Devices

See Section D for a complete line of watertight, severe-duty and corrosion resistant locking devices.

**Rugged, Quality Locking Devices for Any Application**

Superior design and performance make Arrow Hart's Hart-Lock™ devices the ideal choice for industrial applications. Available in a wide range of NEMA and Non-NEMA configurations

**Hart-Lock™ SafetyGrip Plugs & Connectors**

**1** Ribbed nylon construction is rugged and durable for dependable use

**2** Multiple-head screws provide versatility for ease of use

**3** Neoprene gasket seals around cord for added terminal protection from external elements

**4** Cord Grip inserts accommodate a wide range of cord diameters

**5** Retained quick drive screws speed installation

**6** Serrated terminal plates and contoured terminal clamps "bite" on the conductors for positive termination

**7** Tapered, individual wire pockets guide wire into contact area for ease of termination

**8** Clear terminal cover allows for easy inspection of conductors and terminations

Front Body

Back Body

**Hart-Lock™ AutoGrip Plugs & Connectors**

**9** Retained quick drive screws speed installation

**10** Smooth, tapered body reduces snagging and provides a sleek look

**11** Neoprene gasket seals around cord for added terminal protection from external elements

**12** Multiple-head screws provide versatility for ease of use

**13** Single piece grounding contacts for superior continuity

**14** Unique AutoGrip internal cord grip clamps the cord during assembly, reducing installation time

Front Body

Back Body

Specifications and availability are subject to change without notice.

## Hart-Lock™ Industrial Receptacles



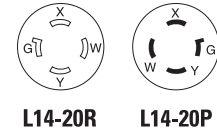
## Hart-Lock™ Industrial Flanged Inlets &amp; Outlets



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## Hart-Lock™ Industrial Grade Locking Devices

3-Pole, 4-Wire Grounding  
20A, 125/250V/AC  
NEMA L14-20

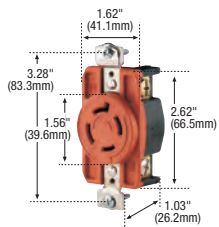


L14-20R

L14-20P



CWL1420P



IGL1420R



6405BK

### Industrial Grade Plugs & Connectors



Rating	A	V/AC	NEMA	Description	Cord Diameter	Color	Plug Catalog No.	Connector Catalog No.	
20	125/250	L14-20	SafetyGrip Straight Body	0.38-1.00" (9.5-25.4mm)	BK & W	<input type="checkbox"/> CWL1420P	<input type="checkbox"/> CWL1420C		
			SafetyGrip Straight Body	0.38-1.00" (9.5-25.4mm)	BK	<input type="checkbox"/> CWL1420PBK	<input type="checkbox"/> CWL1420CBK		

### Industrial Grade Receptacles



Rating	A	V/AC	NEMA	Description	Color	Single Receptacle	
20	125/250	L14-20	Standard Industrial		BK	<input type="checkbox"/> CWL1420R <sup>Δ</sup>	
			Isolated Ground		RN	<input type="checkbox"/> IGL1420R*	

\*Not Fed Spec., <sup>Δ</sup>Not Nom Cert.

### Industrial Grade Flanged Inlets & Outlets



Rating	A	V/AC	NEMA	Description	Color	Flanged Inlet	Flanged Outlet	
20	125/250	L14-20	Standard Industrial		BK	<input type="checkbox"/> CWL1420FI <sup>Δ</sup>	—	
			Standard Industrial		BK	<input type="checkbox"/> 6405BK <sup>Δ</sup>	—	
			Standard Industrial		BK & W	—	<input type="checkbox"/> CWL1420FO	
			Standard Industrial		BK	—	<input type="checkbox"/> 6406BK	

<sup>Δ</sup> Only cULus Listed

### Accessories for 20A Locking Devices

Description	Catalog No.	
Neoprene weather protective boot for 4-W & 5-W plugs	<input type="checkbox"/> BL1	
Neoprene weather protective boot for 4-W & 5-W connectors	<input type="checkbox"/> BL2	



BL1



BL2

#### Complex Environment (D)

See Section D for Watertight, Severe-Duty & Corrosion Resistant Devices

**Dimensional Information:**  
C-76-C-78

**Plug & Connector Specification Information:**

SafetyGrip L14-20: C-84

**Receptacle Specification Information:**

L14-20: C-87

Isolated Ground L14-20: C-87

**Flanged Inlet & Flanged Outlet Specification Information:**

L14-20: C-89

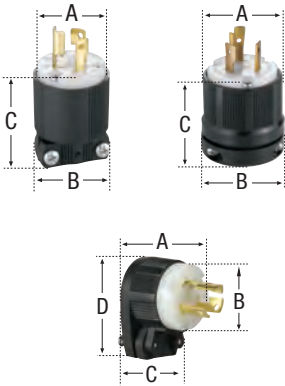
**Color Information:**

BK (Black), RN (Orange), W (White)

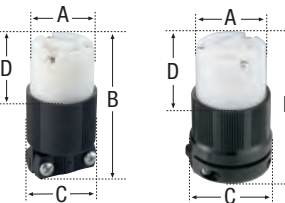


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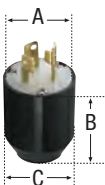
Indicates NAFTA Compliant - Page R-30

**15A, 20A & 30A Locking Devices, Dimensional Data****SafetyGrip Plugs**

Family	A	B	C	D	Cord Diameter
<b>NEMA L2-20</b>	1.37" (34.8mm)	1.50" (38.1mm)	2.06" (52.3mm)	–	0.33-0.66" (8.4-16.7mm)
<b>15A &amp; 10/15A Locking</b>	1.37" (34.8mm)	1.50" (38.1mm)	2.06" (52.3mm)	–	0.33-0.66" (8.4-16.7mm)
<b>15A Locking Angled</b>	1.28" (32.5mm)	1.47" (37.3mm)	1.50" (38.1mm)	2.06" (52.3mm)	0.33-0.66" (8.4-16.7mm)
<b>20/10A Locking</b>	2.19" (55.6mm)	2.31" (58.7mm)	2.75" (69.9mm)	–	0.63-1.16" (15.9-29.4mm)
<b>20A Locking 2-P, 3-W; 3-P, 3-W</b>	2.00" (50.8mm)	2.12" (53.8mm)	2.34" (59.4mm)	–	0.38-1.00" (9.5-25.4mm)
<b>20A Locking 3-P, 4-W; 4-P, 4-W; 4-P, 5-W</b>	2.19" (55.6mm)	2.31" (58.7mm)	2.75" (69.9mm)	–	0.63-1.16" (15.9-29.4mm)
<b>30A Locking 2-P, 3-W; 3-P, 3-W</b>	2.00" (50.8mm)	2.12" (53.8mm)	2.34" (59.4mm)	–	0.38-1.00" (9.5-25.4mm)
<b>30A Locking 3-P, 4-W; 4-P, 4-W; 4-P, 5-W</b>	2.19" (55.6mm)	2.31" (58.7mm)	2.75" (69.9mm)	–	0.63-1.16" (15.9-29.4mm)

**SafetyGrip Connectors**

Family	A	B	C	D	Cord Diameter
<b>NEMA L2-20</b>	1.37" (34.8mm)	2.88" (73.0mm)	1.50" (38.1mm)	1.00" (25.4mm)	0.33-0.66" (8.4-16.7mm)
<b>15A &amp; 10/15A Locking</b>	1.37" (34.8mm)	2.88" (73.0mm)	1.50" (38.1mm)	1.00" (25.4mm)	0.33-0.66" (8.4-16.7mm)
<b>20/10A Locking</b>	1.37" (34.8mm)	2.88" (73.0mm)	1.50" (38.1mm)	1.00" (25.4mm)	0.33-0.66" (8.4-16.7mm)
<b>20A Locking 2-P, 3-W; 3-P, 3-W</b>	2.00" (50.8mm)	3.44" (87.3mm)	2.12" (53.8mm)	1.31" (33.3mm)	0.38-1.00" (9.5-25.4mm)
<b>20A Locking 3-P, 4-W</b>	2.00" (50.8mm)	3.44" (87.3mm)	2.12" (53.8mm)	1.31" (33.3mm)	0.38-1.00" (9.5-25.4mm)
<b>20A Locking 4-P, 4-W &amp; 4-P, 5-W</b>	2.19" (55.6mm)	3.75" (95.3mm)	2.31" (58.7mm)	1.22" (31.0mm)	0.63-1.16" (15.9-29.4mm)
<b>30A Locking 2-P, 3-W; 3-P, 3-W</b>	2.00" (50.8mm)	3.44" (87.3mm)	2.12" (53.8mm)	1.31" (33.3mm)	0.38-1.00" (9.5-25.4mm)
<b>30A Locking 3-P, 4-W; 4-P, 4-W; 4-P, 5-W</b>	2.19" (55.6mm)	3.75" (95.3mm)	2.31" (58.7mm)	1.22" (31.0mm)	0.63-1.16" (15.9-29.4mm)

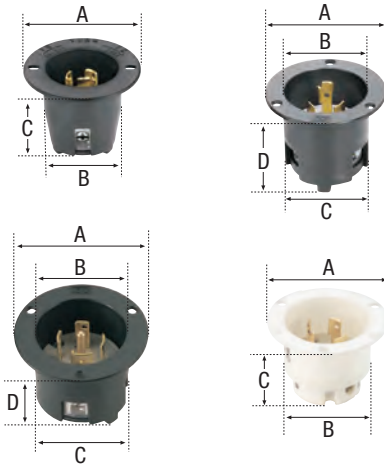
**AutoGrip Plugs**

Family	A	B	C	Cord Dia.
<b>15A &amp; 10/15A Locking</b>	1.38" (34.9mm)	1.83" (46.5mm)	1.52" (38.6mm)	0.33-0.66" (8.4-16.7mm)

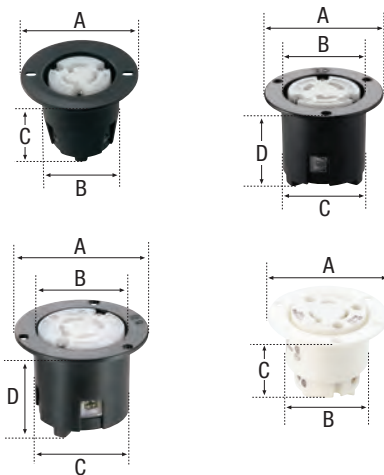
**AutoGrip Connectors**

Family	A	B	C	Cord Dia.
<b>15A &amp; 10/15A Locking</b>	1.38" (34.9mm)	1.83" (46.5mm)	1.52" (38.6mm)	0.33-0.66" (8.4-16.7mm)

Specifications and availability are subject to change without notice.

**15A, 20A & 30A Locking Devices, Dimensional Data****Locking Flanged Inlets**

Family	A	B	C	D
<b>15A Locking</b>	2.56" (65.0mm)	1.71" (43.4mm)	1.84" (46.7mm)	-
<b>20A Locking</b> 2-P, 3-W & 3-P, 3-W	2.87" (72.9mm)	1.94" (49.3mm)	2.06" (52.3mm)	2.19" (22.6mm)
<b>20A Locking</b> 3-P, 4-W; 4-P, 4-W; 4-P, 5-W	3.06" (77.7mm)	2.03" (51.6mm)	2.19" (55.6mm)	2.19" (55.6mm)
<b>20A Locking NEMA</b> L9-20, L12-20	2.87" (72.9mm)	2.06" (52.3mm)	1.95" (49.5mm)	-
<b>30A Locking</b> 2-P, 3-W & 3-P, 3-W	2.87" (72.9mm)	1.94" (49.3mm)	2.06" (52.3mm)	2.19" (22.6mm)
<b>30A Locking</b> 3-P, 4-W; 4-P, 4-W; 4-P, 5-W	3.06" (77.7mm)	2.03" (51.6mm)	2.19" (55.6mm)	2.19" (55.6mm)
<b>30A Locking NEMA</b> L9-30, L12-30, L13-30	2.87" (72.9mm)	2.06" (52.3mm)	1.95" (49.5mm)	-

**Locking Flanged Outlets**

Family	A	B	C	D
<b>15A Locking</b>	2.56" (65.0mm)	1.71" (43.4mm)	1.84" (46.7mm)	-
<b>20A Locking</b> 2-P, 3-W & 3-P, 3-W	2.87" (72.9mm)	1.94" (49.3mm)	2.06" (52.3mm)	2.19" (22.6mm)
<b>20A Locking</b> 3-P, 4-W; 4-P, 4-W; 4-P, 5-W	3.06" (77.7mm)	2.03" (51.6mm)	2.19" (55.6mm)	2.19" (55.6mm)
<b>20A Locking NEMA</b> L9-20, L12-20	2.87" (72.9mm)	2.06" (52.3mm)	1.95" (49.5mm)	-
<b>30A Locking</b> 2-P, 3-W & 3-P, 3-W	2.87" (72.9mm)	1.94" (49.3mm)	2.06" (52.3mm)	2.19" (22.6mm)
<b>30A Locking</b> 3-P, 4-W; 4-P, 4-W; 4-P, 5-W	3.06" (77.7mm)	2.03" (51.6mm)	2.19" (55.6mm)	2.19" (55.6mm)
<b>30A Locking NEMA</b> L9-30, L12-30, L13-30	2.87" (72.9mm)	2.06" (52.3mm)	1.95" (49.5mm)	-

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## Industrial Grade 15A, 20A & 30A Locking Plugs & Connectors

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	15A SafetyGrip & AutoGrip Plugs & Connectors: NEMA L5-15, L6-15, L7-15	15A SafetyGrip & AutoGrip Plugs & Connectors: Non-NEMA 10/15A	20A & 30A SafetyGrip Plugs & Connectors: L6-20, L7-20, L8-20, L6-30, L7-30, L10-20, L14-20, L15-20, L16-20, L14-30, L15-30, L16-30, L17-30, L19-20, L20-20, L19-30, L20-30, L23-20, L23-30, Non-NEMA 20A, Non-NEMA 30A, Non-NEMA 20/10A	
Wiring Type	Side Wire	Back Wire	Back Wire	
Testing & Code Compliance	<ul style="list-style-type: none"> <li>cULus Listed to UL498, file no. E3663</li> <li>UL verified to Federal Spec. WC-596F</li> <li>cUL Listed to CSA C22.2, no. 42 file no. E3663</li> </ul>	<ul style="list-style-type: none"> <li>UL recognized component for US &amp; Canada, file no. E3663</li> </ul>	<ul style="list-style-type: none"> <li>cULus Listed to UL498, file no. E3663</li> </ul>	
Specifications: Environmental	Flammability	Meets UL94 requirements, V0 rated	Meets UL94 requirements, V2 rated	Meets UL94 requirements, V2 rated
	Temperature Rating	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)	-40°C to 60°C (-40°F to 140°F)
Specifications: Electrical	Dielectric Voltage	Twice the device rating + 1000V per UL498	Twice the device rating + 1000V per UL498	Twice the device rating + 1000V per UL498
	Current Interrupting	Yes, at full-rated current	Yes, at full-rated current	Yes, at full-rated current
	Temperature Rise	Max. 30°C (86°F) after 200 cycles of overload	Max. 30°C (86°F) after 200 cycles of overload	Max. 30°C (86°F) after 200 cycles of overload
Specifications: Mechanical	Terminal Accommodation	#16 - #12 AWG	#16 - #12 AWG	#16 - #12 AWG, except Isolated Ground: #14 - #8 AWG
	Voltage Ratings	Permanently marked on device	Permanently marked on device	Permanently marked on device
Materials:	Outer Shell	SafetyGrip: nylon; AutoGrip: phenolic	Nylon	Nylon
	Interior Body	SafetyGrip: nylon; AutoGrip: phenolic	Nylon	Nylon
	Terminal Retainer	Polycarbonate	Polycarbonate	Polycarbonate
	Blades	Brass	Brass	Brass
	Line Contacts	Brass	Brass	Connectors: Zinc Plated
	Terminal Clamps	Steel, zinc-plated	Steel, zinc-plated	Steel
	Terminal Screws	Brass	Brass	#10-32 brass, neutral screw nickel plated
	Ground Screw	Brass	Brass	#10-32 brass (green)
	Assembly Screws	Steel, zinc-plated	Steel, zinc-plated	Steel, zinc-plated
	Gasket/Dust Shield	Neoprene	Neoprene	Neoprene
	Cord Clamp Screws	Steel, zinc-plated	Steel, zinc-plated	Steel, zinc-plated
	Cord Clamp	Steel, zinc-plated	Steel, zinc-plated	Nylon

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