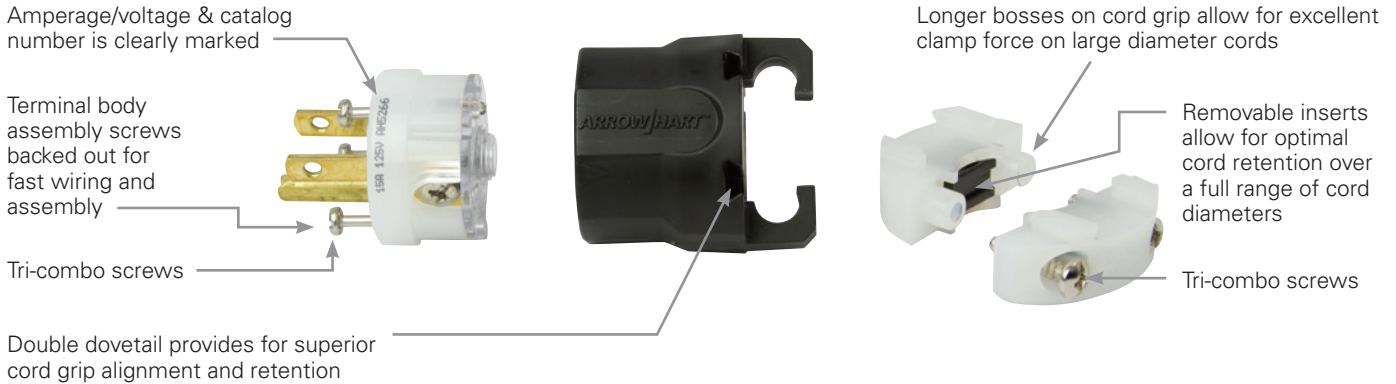


# Industrial grade locking plugs and connectors

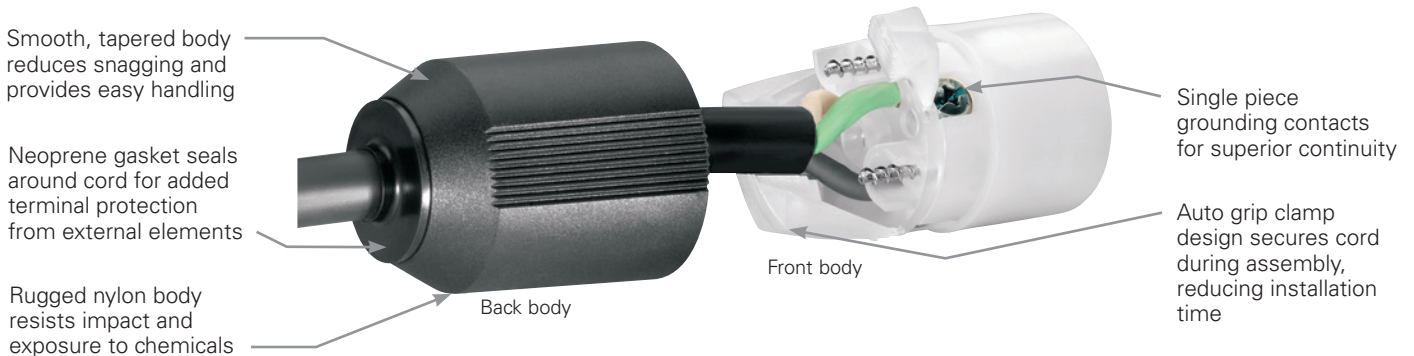
## Rugged, quality locking devices for any application

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

### Ultra grip straight blade plugs & connectors redesign features & benefits



### Auto grip hospital and industrial grade plugs & connectors features & benefits



Retained quick drive assembly screws speed installation



Multiple-head drive screws provide versatility for ease of use



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

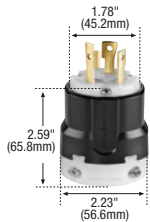
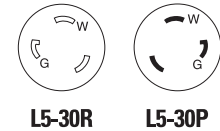
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[www.eaton.com](http://www.eaton.com)  
[www.arrowhart.com](http://www.arrowhart.com)

## Hart lock industrial grade 30A locking devices

### Product description

2-pole, 3-wire grounding  
30A, 125V/AC  
NEMA L5-30



AHL530P



AHL530FI

### Industrial grade plugs & connectors



Rating	V/AC	NEMA	Description	Cord diameter	Color	Plug catalog no.	Connector catalog no.	
30	125	L5-30	Ultra grip straight body	0.38-1.16" (9.5-29.4mm)	BK & W	<input type="checkbox"/> AHL530P	<input type="checkbox"/> AHL530C	
			Safety grip isolated ground	0.38-1.00" (9.5-25.4mm)	RN	<input type="checkbox"/> IGL530P	—	

### Industrial grade receptacles



Rating	V/AC	NEMA	Description	Color	Single receptacle	
30	125	L5-30	Standard industrial	BK	<input type="checkbox"/> AHL530R	
			Isolated ground	RN	<input type="checkbox"/> IGL530R*	

\*Not Fed Spec

### Industrial grade flanged inlets & outlets



Rating	V/AC	NEMA	Description	Color	Flanged inlet	Flanged outlet	
30	125	L5-30	Standard industrial	BK	<input type="checkbox"/> AHL530FI	—	
			Standard industrial	BK & W	—	<input type="checkbox"/> AHL530FO <sup>11</sup>	

<sup>11</sup>Only UL Listed

### Accessories for NEMA L5-30 locking devices

Description	Catalog no.	
Neoprene weather protective boot for 20/30A, 3-W locking plug	<input type="checkbox"/> BM1	
Neoprene weather protective boot for 20/30A, 3-W locking connector	<input type="checkbox"/> BM2	



BM1



BM2

**Dimensional information:**  
C-76-C-78

**Plug & connector specification information:**

Ultra grip K5-30: C-85

**Receptacle specification information:**

K5-30: C-87

Isolated ground K5-30: C-87

**Flanged inlet & flanged outlet specification information:**

K5-30: C-89

### Color information:

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



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Indicates NAFTA compliant - Page Q-30

RoHS compliant - Page Q-30

# Locking devices specification & performance data

## Industrial grade 15A, 20A & 30A locking plugs & connectors

### 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

**20A & 30A ultra grip 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**

Device type	15A safety grip & auto grip plugs & connectors: NEMA L5-15, L6-15, L7-15	15A safety grip & auto grip plugs & connectors: Non-NEMA 10/15A	20A & 30A ultra grip 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
<b>Wiring type</b>	Side wire	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> <li>UL verified to Fed 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>
<b>Environmental specifications</b>	<p><b>Flammability:</b> Meets UL94 requirements, V0 rated</p> <p><b>Temperature rating:</b> -40°C to 60°C (-40°F to 140°F)</p>	<p><b>Flammability:</b> Meets UL94 requirements, V2 rated</p> <p><b>Temperature rating:</b> -40°C to 60°C (-40°F to 140°F)</p>	<p><b>Flammability:</b> Meets UL94 requirements, V2 rated</p> <p><b>Temperature rating:</b> -40°C to 60°C (-40°F to 140°F)</p>
<b>Electrical specifications</b>	<p><b>Dielectric voltage:</b> Twice the device rating + 1000V per UL498</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> Max. 30°C (86°F) after 200 cycles of overload</p>	<p><b>Dielectric voltage:</b> Twice the device rating + 1000V per UL498</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> Max. 30°C (86°F) after 200 cycles of overload</p>	<p><b>Dielectric voltage:</b> Twice the device rating + 1000V per UL498</p> <p><b>Current interrupting:</b> Yes, at full-rated current</p> <p><b>Temperature rise:</b> Max. 30°C (86°F) after 200 cycles of overload</p>
<b>Mechanical specifications</b>	<p><b>Terminal accommodation:</b> #16 - #12 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p>	<p><b>Terminal accommodation:</b> #16 - #12 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p>	<p><b>Terminal accommodation:</b> #16 - #12 AWG, except isolated ground: #14 - #8 AWG</p> <p><b>Voltage ratings:</b> Permanently marked on device</p>
<b>Materials</b>	<p><b>Outer shell:</b> Safety grip: nylon; auto grip: phenolic</p> <p><b>Interior body:</b> Safety grip: nylon; auto grip: phenolic</p> <p><b>Terminal retainer:</b> Polycarbonate</p> <p><b>Blades:</b> Brass</p> <p><b>Line contacts:</b> Brass</p> <p><b>Terminal clamps:</b> Steel, zinc-plated</p> <p><b>Terminal screws:</b> Brass</p> <p><b>Ground screw:</b> Brass</p> <p><b>Assembly screws:</b> Steel, zinc-plated</p> <p><b>Gasket/dust shield:</b> Neoprene</p> <p><b>Cord clamp screws:</b> Steel, zinc-plated</p> <p><b>Cord clamp:</b> Steel, zinc-plated</p>	<p><b>Outer shell:</b> Nylon</p> <p><b>Interior body:</b> Nylon</p> <p><b>Terminal retainer:</b> Polycarbonate</p> <p><b>Blades:</b> Brass</p> <p><b>Line contacts:</b> Brass</p> <p><b>Terminal clamps:</b> Steel, zinc-plated</p> <p><b>Terminal screws:</b> Brass</p> <p><b>Ground screw:</b> Brass</p> <p><b>Assembly screws:</b> Steel, zinc-plated</p> <p><b>Gasket/dust shield:</b> Neoprene</p> <p><b>Cord clamp screws:</b> Steel, zinc-plated</p> <p><b>Cord clamp:</b> Steel, zinc-plated</p>	<p><b>Outer shell:</b> Nylon</p> <p><b>Interior body:</b> Nylon</p> <p><b>Terminal retainer:</b> Polycarbonate</p> <p><b>Blades:</b> Brass</p> <p><b>Line contacts:</b> Connectors: zinc plated</p> <p><b>Terminal clamps:</b> Steel</p> <p><b>Terminal screws:</b> #10-32 brass, neutral screw nickel plated</p> <p><b>Ground screw:</b> #10-32 brass (green)</p> <p><b>Assembly screws:</b> Steel, zinc-plated</p> <p><b>Gasket/dust shield:</b> Neoprene</p> <p><b>Cord clamp screws:</b> Steel, zinc-plated</p> <p><b>Cord clamp:</b> Nylon</p>

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