# Plug and connector families

## Straight blade plugs & connectors for any application

Arrow Hart's extensive offering of straight blade plugs and connectors cover the full range of hospital, industrial and commercial specification grades for applications where quality and durability are critical

### Hospital specification grade plugs & connectors

Built to meet and exceed UL federal specification and hospital grade testing, Arrow Hart's hospital grade plugs and connectors assure reliable performance in the most demanding healthcare applications.
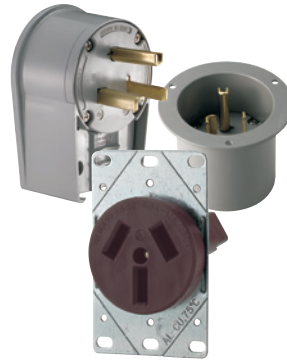
### Industrial specification grade plugs, connectors, flanged inlet & flanged outlets

With a variety of styles including safety grip, auto grip and quick grip, these devices are designed to install quickly and easily and provide reliable performance in tough industrial environments.

### Commercial specification grade straight blade plugs & connectors

Designed for light commercial applications, where ease-of-use, value and quality are critical.

### Specification grade straight blade power devices

Heavy duty design and construction make Arrow Hart power devices ideal for any high amperage industrial or commercial power connectivity application.

www.eaton.com
www.arrowhart.com
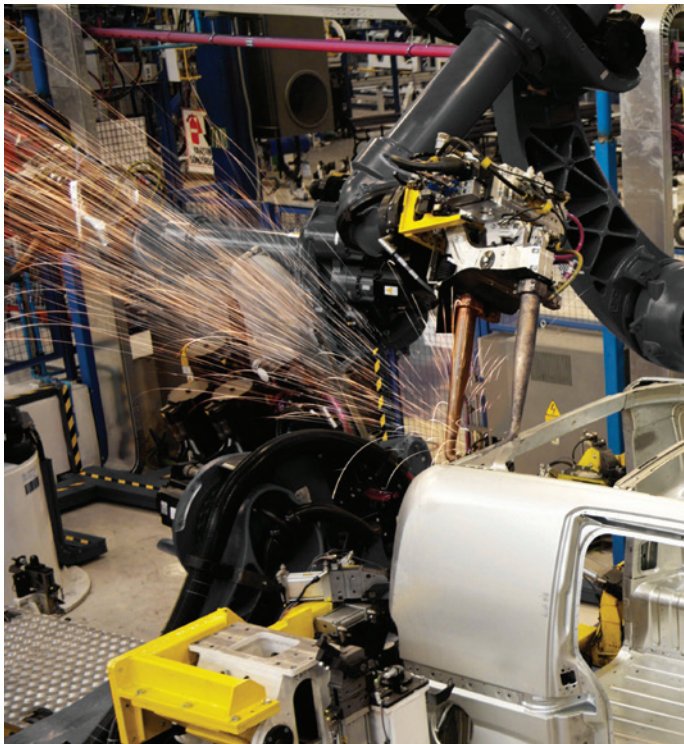
## Commercial grade straight blade plugs & connectors

### Product description

2-pole, 3-wire grounding
20A, 125V/AC
NEMA 5-20

**5-20P**   **5-20R**
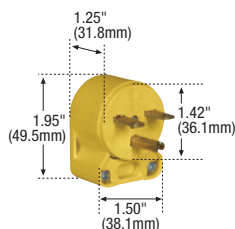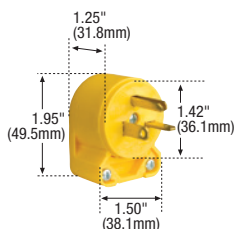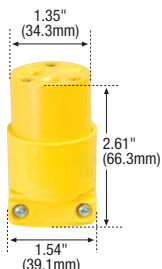
### Commercial grade plugs & connectors  (UL) (CSA) NOM 426

| Rating A | V/AC | NEMA | Description | Cord diameter | Color | Plug catalog no. | Connector catalog no. | | |
|---|---|---|---|---|---|---|---|---|---|
| 20 | 125 | 5-20 | Vinyl straight body | 0.25-0.66" (6.3-16.6mm) | Y | ☐ 4409 | ☐ 4228 | ● | ● |
| | | | Vinyl angled body | 0.25-0.66" (6.3-16.6mm) | Y | ☐ 4409AN* | — | ● | ● |

\* Not CSA cert

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**4866AN** (dimensions)
1.25" (31.8mm)
1.95" (49.5mm)
1.42" (36.1mm)
1.50" (38.1mm)

## Commercial grade straight blade plugs & connectors

### Product description

2-pole, 2-wire grounding
15A, 250V/AC
NEMA 6-15

**6-15P**   **6-15R**

### Commercial grade plugs & connectors  (UL) (CSA) NOM 426

| Rating A | V/AC | NEMA | Description | Cord diameter | Color | Plug catalog no. | Connector catalog no. | | |
|---|---|---|---|---|---|---|---|---|---|
| 15 | 250 | 6-15 | Vinyl straight body | 0.25-0.66" (6.3-16.6mm) | Y | — | ☐ 4227 | ● | ● |
| | | | Vinyl angled body | 0.25-0.66" (6.3-16.6mm) | Y | ☐ 4866AN* | — | ● | ● |

\* Not CSA cert

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**4509AN** (dimensions)
1.25" (31.8mm)
1.95" (49.5mm)
1.42" (36.1mm)
1.50" (38.1mm)

## Commercial grade straight blade plugs & connectors

### Product description

2-pole, 2-wire grounding
20A, 250V/AC
NEMA 6-20

**6-20P**   **6-20R**

### Commercial grade plugs & connectors  (UL) (CSA) NOM 426

| Rating A | V/AC | Vinyl NEMA | Description | Cord diameter | Color | Plug catalog no. | Connector catalog no. | | |
|---|---|---|---|---|---|---|---|---|---|
| 20 | 250 | 6-20 | Vinyl straight body | 0.25-0.66" (6.3-16.6mm) | Y | ☐ 4509 | ☐ 4229† | ● | ● |
| | | | Vinyl angled body | 0.25-0.66" (6.3-16.6mm) | Y | ☐ 4509AN* | — | ● | ● |

† Not NOM cert, * Not CSA cert

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**4229** (dimensions)
1.35" (34.3mm)
2.61" (66.3mm)
1.54" (39.1mm)

**Color information:**

Y (Yellow)

[ Y ]
(Yellow)

**Commercial grade dimensional**
Information: B-15

**Specification information:**
Commercial grade plugs & connectors: B-24

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

Indicates NAFTA compliant - Page Q-30

RoHS compliant – Page Q-30

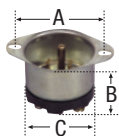# Straight blade flanged inlets & flanged outlets dimensional data

## Nylon shell flanged inlets

| Family | A | B | C |
|---|---|---|---|
| Industrial grade | 2.56" (65.0mm) | 1.84" (46.7mm) | 1.71" (43.4mm) |

## Nylon shell flanged outlets

| Family | A | B | C |
|---|---|---|---|
| Industrial grade | 2.56" (65.0mm) | 1.84" (46.7mm) | 1.71" (43.4mm) |

## Metal shell flanged inlets

| Family | A | B | C |
|---|---|---|---|
| Industrial grade | 2.00" (50.8mm) | 1.43" (36.3mm) | 1.62" (41.1mm) |

## Metal shell flanged outlets
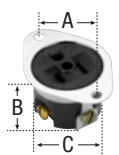
| Family | A | B | C |
|---|---|---|---|
| Industrial grade | 2.06" (52.3mm) | 1.50" (38.1mm) | 1.09" (27.7mm) |

## Commercial plugs
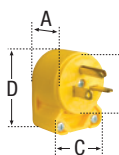
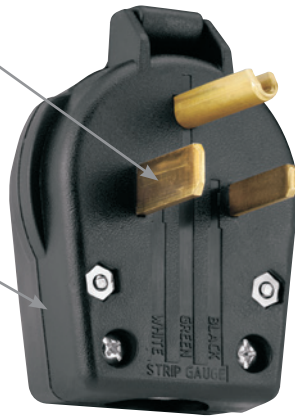| Family | A | B | C | D | Cord diameter |
|---|---|---|---|---|---|
| Commercial grade | 1.65" (41.9mm) | 1.54" (39.1mm) | – | – | 0.25-0.66" (6.4-16.6mm) |
| Commercial grade angled | 1.25" (31.8mm) | 1.42" (36.1mm) | 1.50" (38.1mm) | 1.95" (49.5mm) | 0.25-0.66" (6.4-16.6mm) |
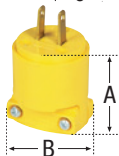
## Commercial connectors
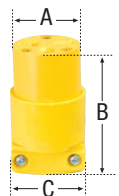
| Family | A | B | C | Cord diameter |
|---|---|---|---|---|
| Commercial grade | 1.35" (34.3mm) | 2.61" (66.3mm) | 1.54" (39.1mm) | 0.25-0.66" (6.4-16.6mm) |

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## Commercial straight blade power devices features & benefits

Universal plugs include blades for both 30A and 50A configurations of the same voltage

Patented lay-in terminals accept up to #4 AWG wire

Terminals have pressure plates to protect wires

Back features concentric knockouts and an adjustable cord clamp to allow wiring from back or bottom

Plug

Surface receptacle
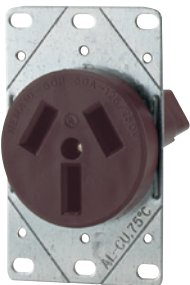
Flush receptacles feature heavy gauge galvanized steel mounting strap and glass-reinforced nylon body

Broad selection of wallplates available for flush receptacle mounting

Surface receptacles can be wired for back or bottom wiring

Variety of 30A, 50A and 60A configurations available

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

## Commercial grade plugs & connectors

### Product description
2-pole, 2-wire non-grounding; 2-pole, 3-wire grounding
15A, 125V/AC; 15A, 250V/AC; 20A, 125V/AC; 20A, 250V/AC
NEMA 1-15, 5-15, 5-20, 6-15, 6-20

| Device type | Commercial grade vinyl plugs & connectors, straight blade |
|---|---|
| **Wiring type** | Back wire |
| **Testing & code compliance** | • Listed to UL498, file no. E15012<br>• CSA certified to C22.2, no. 42-99 file no. 2081 (6221-02)<br>• NOM certified, except 4882, 4862ANW |
| **Environmental specifications** | **Flammability:** Meets UL94 requirements, V2 rated<br>**Temperature rating:** -20ºC to 60ºC (-4ºF to 140ºF) |
| **Electrical specifications** | **Dielectric voltage:** Twice the device rating + 1000V per UL498<br>**Current interrupting:** Yes, at full-rated current<br>**Temperature rise:** Max. 30ºC (86ºF) after 50 cycles of overload @ 150% of rated current (DC) |
| **Specifications mechanical** | **Terminal accommodation:** #18 - #12 AWG<br>**Voltage ratings:** Permanently marked on device |
| **Materials** | **Plug/connector outer shell:** Polypropylene<br>**Interior body:** Polypropylene, except 4220, 4880 series: vinyl<br>**Terminal retainer:** Polypropylene<br>**Blades:** 0.058" thick brass<br>**Line contacts:** 0.030" thick brass<br>**Terminal clamps:** Steel, zinc plated<br>**Terminal screws:** #6-40 steel, brass plated (hot) and zinc plated (neutral)<br>**Ground screw:** #6-40 steel, zinc plated, green<br>**Assembly screws:** Steel, zinc plated<br>**Cord clamp screws:** Steel, zinc plated<br>**Cord clamp:** Polypropylene |

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All products on this page are RoHS compliant – Page Q-30