

# HUBBELL

## Power Systems

### Quadrant Strain Clamp - Aluminum Substation Cable Bus

By ANDERSON  
Catalog # [AR1100C](#)

The AR1/AR2 are Aluminum Bolted Quadrant Strain Clamps and are designed to be used primarily for deadending aluminum substation cable bus. These clamps are compact for greatest phase clearance.



\*Representative Image

#### Features

- Cable clamping range: 477 (18/1) to 874.5 (54/7) ACSR {0.811-1.152 in. dia.}
- Ultimate strength is 15,000 lbs.
- The "C" suffix indicates the component will come supplied with clevis eye CA06.
- Type AR1 is designed for single cable.
- Material: Body and Keeper – aluminum alloy, Hardware – galvanized steel, Sockets and Clevises – galvanized ductile iron, and Cotter Pin - #302 stainless steel

#### Electrical Ratings

Voltage Application                      Standard

#### General

Bolt Installation Torque (Recommended)	480 in-lbs
EU RoHS Indicator	No
Fitting Type	Clevis
Material - Body	Aluminum Alloy
Material - Hardware	Galvanized Steel
Material - Keeper	Aluminum Alloy
Material - Pin (Cotter)	Stainless Steel
Material - Socket and Clevis	Galvanized Ductile Iron
Product Category	Quadrant
Strength Rating - Ultimate	15000 lb
Body	
Style	AR1
Type	Bolted
U-Bolts	3 in
UPC	096359284079

#### Dimensions

Clamping - Maximum	1.152 in
Clamping - Minimum	0.811 in
Clevis Opening	0.9375 in
Diameter - Clevis Pin	0.625 in
Height	3.88 in
Length	9.13 in
Weight	5.2 lb

## Conductor Related

Clamping Range	0.811- 1.152
Conductor Compatibility	ACSR-Pelican-477-18/1;ACSR-Flicker-477-24/7;ACSR-Hawk-477-26/7;ACSR-Hen-477-30/7;ACSR-Osprey-556.5-18/1;ACSR-Parakeet-556.5-24/7;ACSR-Dove-556.5-26/7;ACSR-Eagle-556.5-30/7;ACSR-Peacock-605-24/7;ACSR-Squab-605-26/7;ACSR-Teal-605-30/19;ACSR-Kingbird-636-18/1;ACSR-Swift-636-36/1;ACSR-Rook-636-24/7;ACSR-Grosbeak-636-26/7;ACSR-Egret-636-30/19;ACSR-Flamingo-666.6-24/7;ACSR-Gannet-666.6-26/7;ACSR-Stilt-715.5-24/7;ACSR-Starling-715.5-26/7;ACSR-Redwing-715.5-30/19;ACSR-Coot-795-36/1;ACSR-Cuckoo-795-24/7;ACSR-Drake-795-26/7;ACSR-Tern-795-45/7;ACSR-Condor-795-54/7;ACSR-Mallard-795-30/19;ACSR-Ruddy-900-45/7;AAC-Zinnia-500-19;AAC-Hyacinth-500-37;AAC-Dahlia-556.5-19;AAC-Mistletoe-556.5-37;AAC-Meadowsweet-600-37;AAC-Orchid-636-37;AAC-Flag-700-61;AAC-Violet-715.5-37;AAC-Nasturtium-715.5-61;AAC-Cattail-750-61;AAC-Arbutus-795-37;AAC-Lilac-795-61;AAC-Cockscomb-900-37;AAC-Snapdragon-900-61;AAC-Magnolia-954-37;AAC-Goldenrod-954-61;AAC-Camellia-1000-61;ACAR-653.1-12/7;ACAR-739.8-18/19;ACAR-853.7-30/7

## Certifications And Compliance

Industry Standard(s)	ANSI C119.4
----------------------	-------------

## Logistics

Pallet Quantity	216
-----------------	-----

## Product Assets

- [Catalogs - Transmission Connectors Catalog - Full](#)
- [Literature - Ropes Course Industry Letter \(April 2021\)](#)
- [Video - Bolted Deadend](#)



A Hubbell brand