

Quadrant Strain Clamp - Aluminum Substation Cable Bus

By ANDERSON
Catalog # [ART1150N](#)



*Representative Image

Bolted Deadend, Aluminum alloy body/keeper, Galv-steel hardware, Single cable clamping, Cable range: 900 (54/7) to 1351.5 (45/7) ACSR (1.150-1.412 in. dia.), Ultimate body strength = 15,000 lbs, 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.

Features

- Type AR1 is designed for single cable
- The Sag Eye Ultimate Strength is 60% of the Ultimate Body Strength without fitting.
- Rated slip strength as a % of conductor RBS varies with conductor type, size, and stranding. Minimum slip strength rating on standard strength conductors is 40% RBS (Partial Tension).
- Bolt, Nut and Cotter-pin may be substituted for standard clevis pin by adding suffix "BNK" to catalog number.

General

Bolt Installation Torque (Recommended)	720 in-lbs
Fitting Type	None
Material - Body	Aluminum Alloy
Material - Hardware	Galvanized Steel
Material - Keeper	Aluminum Alloy
Material - Pin (Cotter)	Stainless Steel
Product Category	Quadrant
Strength Rating - Ultimate Body	15000 lb
Style	AR1
Type	Bolted
U-Bolts	3 in
UPC	096359284550

Dimensions

Clamping - Maximum	1.412 in
Clamping - Minimum	1.15 in
Clevis Opening	0.9375 in
Diameter - Clevis Pin	0.625 in
Height	4.38 in
Length	10.5 in
Weight	7.382 lb

Electrical Ratings

Voltage Application	Standard
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Conductor Related

Clamping Range	1.15- 1.412
Conductor Compatibility	ACSR-Canary-900-54/7;ACSR-Rail-954-45/7;ACSR-Cardinal-954-54/7;ACSR-Ortolan-1033.5-45/7;ACSR-Curlew-1033.5-54/7;ACSR-Bluejay-1113-45/7;ACSR-Finch-1113-54/19;ACSR-Bunting-1192.5-45/7;ACSR-Grackle-1192.5-54/19;ACSR-Bittern-1272-45/7;ACSR-Pheasant-1272-54/19;ACSR-Dipper-1351.5-45/7;AAC-Camellia-1000-61;AAC-Bluebell-1033.5-37;AAC-Larkspur-1033.5-61;AAC-Marigold-1113-61;AAC-Hawthorn-1192.5-61;AAC-Narcissus-1272-61;AAC-Columbine-1351.5-61;AAC-Carnation-1431-61;ACAR-1024.5-30/7;ACAR-1081-18/19;ACAR-1109-30/7;ACAR-1172-30/7;ACAR-1172-18/19;ACAR-1197-30/7

Certifications and Compliance

Industry Standard(s)	ANSI C119.4
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Logistics

Pallet Quantity	108
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Product Assets

- [Catalogs - Transmission Connectors Catalog - Full \(CA05063E\)](#)
- [Literature - Ropes Course Industry Letter \(April 2021\)](#)
- [Sales Drawings - C-1493](#)
- [Video - Bolted Deadend \(VI05055E0621\)](#)

