

Quadrant Strain Clamp - Aluminum

By ANDERSON
Catalog # [SD70S](#)

For tranmission line construction with all aluminum, ACSR or aluminum alloy conductor or for Alumoweld shield wire.

Features

- "Type SD 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). For many standard strength conductors, minimum slip strength of this clamp series is 60% RBS (Normal Tension). Consult factory for slip strength test data on specific clamp and conductor combinations
- Bolt and Nut may be substituted for clevis pin by adding suffix "BNK" to catalog number. Example: SD70SBNK
- Bolt and clevis pin will be the same diameter
- The "S" suffix indicates the component will come supplied with socket eye SA06
- For Corona Free applications on EHV lines, add suffix "CRF" to catalog number. Example: SD70SCRF"

General

Bolt Installation Torque (Recommended)	480 in-lbs
Catalog Number	SD70S
Fitting Type	Socket
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	Bolted Deadend - Quadrant
Strength Rating - Ultimate	20000 lb
Body	
Style	SD
Type	Bolted
U-Bolts	4 in
UPC	096359325512

Dimensions

Clamping - Maximum	0.75 in
Clamping - Minimum	0.3 in
Clevis Opening	0.938 in
Diameter - Clevis Pin	0.625 in
Diameter - Eye Hole	1.25 in



Height	8.38 in
Length	10.25 in
Weight	5.88 lb

Electrical Ratings

Voltage Application	Standard
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Conductor Related

Clamping Range	0.30- 0.75
Conductor Compatibility	ACSR-Turkey-6-6/1;ACSR-Sparrow-2-6/1;ACSR-Robin-1-6/1;ACSR-Raven-1/0-6/1;ACSR-Quail-2/0-6/1;ACSR-Pigeon-3/0-6/1;ACSR-Waxwing-266.8-18/1;ACSR-Partridge-266.8-26/7;ACSR-Ostrich-300-26/7;ACSR-Merlin-336.4-18/1;ACSR-Linnet-336.4-26/7;ACSR-Oriole-336.4-30/7;ACSR-Chickadee-397.5-18/1;ACSR-Brahma-203.2-16/19;AAC-Pansy-1-7;AAC-Poppy-1/0-7;AAC-Aster-2/0-7;AAC-Phlox-3/0-7;AAC-Oxlip-4/0-7;AAC-Valerian-250-19;AAC-Laurel-266.8-19;AAC-Daffodil-350-19;AAC-Canna-397.5-19;AAAC 6201 Alloy-Ames-77.47-6/18;AAAC 6201 Alloy-Azusa-123.3-6/18;AAAC 6201 Alloy-Anaheim-155.4-6/18;AAAC 6201 Alloy-Amherst-195.7-6/18;AAAC 6201 Alloy-Alliance-246.9-6/18

Certifications And Compliance

Buy America(n) Qualified	TAA Compliant (All status valid till December 2024)
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Logistics

Pallet Quantity	216
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Product Assets

[Catalogs - Transmission Connectors Catalog - Full](#)
[Literature - Ropes Course Industry Letter \(April 2021\)](#)
[Sales Drawings - SD Product Family](#)

[Specifications - SD70S](#)
[Video - Bolted Deadend](#)



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