

Quadrant Strain Clamp - Aluminum

By ANDERSON
Catalog # [SD185S](#)

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



*Representative Image

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: SD185BNK
- Bolt and clevis pin will be the same diameter
- The "S" suffix indicates the component will come supplied with socket eye SA1417
- For Corona Free applications on EHV lines, add suffix "CRF" to catalog number. Example: SD185SCRF"

General

Bolt Installation Torque (Recommended)	720 in-lbs
Catalog Number	SD185S
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	30000 lb
Body	
Style	SD
Type	Bolted
U-Bolts	5 in
UPC	096359325413

Dimensions

Clamping - Maximum	1.85 in
Clamping - Minimum	1.3 in
Clevis Opening	1.875 in
Diameter - Clevis Pin	1 in

Diameter - Eye Hole	1.5 in
Height	18 in
Length	17 in
Weight	24 lb

Electrical Ratings

Voltage Application	Standard
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Conductor Related

Clamping Range	1.30- 1.85
Conductor Compatibility	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;ACSR-Martin-1351.5-54/19;ACSR-Bobolink-1431-45/7;ACSR-Plover-1431-54/19;ACSR-Nuthatch-1510.5-45/7;ACSR-Parrot-1510.5-54/19;ACSR-Lapwing-1590-45/7;ACSR-Falcon-1590-54/19;ACSR-Chukar-1780-84/19;ACSR-Bluebird-2156-84/19;ACSR-Kiwi-2167-72/7;ACSR-Thrasher-2312-76/19;AAC-Narcissus-1272-61;AAC-Columbine-1351.5-61;AAC-Carnation-1431-61;AAC-Gladiolus-1510.5-61;AAC-Coreopsis-1590-61;AAC-Cowslip-2000-91;AAC-Sagebrush-2250-91;AAC-Lupine-2500-91;ACAR-1933-42/19;ACAR-2493-72/19;ACAR-2493-54/37

Certifications And Compliance

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

Pallet Quantity	40	Literature - Ropes Course Industry Letter (April 2021)
Product Assets		Sales Drawings - SD Product Family
		Specifications - SD185S
		Video - Bolted Deadend

