

# HUBBELL

## Power Systems

### Quadrant Strain Clamp - Aluminum

By ANDERSON  
Catalog # [SD86N](#)

For transmission 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: SD86NBNK
- Bolt and clevis pin will be the same diameter
- For Corona Free applications on EHV lines, add suffix "CRF" to catalog number. Example: SD86NCRF"

#### General

Bolt Installation Torque (Recommended)	480 in-lbs
Catalog Number	SD86N
Fitting Type	None
Material - Body	Aluminum Alloy
Material - Hardware	Galvanized Steel
Material - Keeper	Aluminum Alloy
Material - Pin (Cotter)	Stainless Steel
Product Category	Bolted Deadend - Quadrant
Strength Rating - Ultimate	25000 lb
Body	
Style	SD
Type	Bolted
U-Bolts	4 in
UPC	096359325550

#### Dimensions

Clamping - Maximum	0.94 in
Clamping - Minimum	0.46 in
Clevis Opening	1.063 in
Diameter - Clevis Pin	0.625 in
Diameter - Eye Hole	1.25 in
Height	9.63 in
Length	11.25 in
Weight	6.21 lb

#### Electrical Ratings

Voltage Application	Standard
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## Conductor Related

Clamping Range	0.46- 0.94
Conductor Compatibility	ACSR-Turkey-6-6/1;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-Brant-397.5-24/7;ACSR-Ibis-397.5-26/7;ACSR-Lark-397.5-30/7;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-Kingbird-636-18/1;ACSR-Swift-636-36/1;ACSR-Brahma-203.2-16/19;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;AAC-Cosmos-477-19;AAC-Syringa-477-37;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;AAAC 6201 Alloy-Amherst-195.7-6/18;AAAC 6201 Alloy-Alliance-246.9-6/18;ACAR-653.1-12/7

## Logistics

Pallet Quantity	144
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## Product Assets

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



A Hubbell brand