Quadrant Strain Clamp - Copper Substation Cable Bus
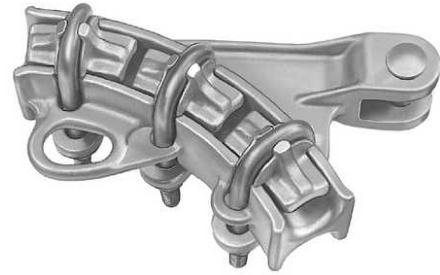
By ANDERSON
Catalog # BR1200N

"Aluminum Bolted Quadrant Strain Clamps are designed to be used primarily for deadending copper substation cable bus. These clamps are compact for greatest phase clearance. During installation the cable will slide free under the U-Bolts, or if preferred, U-Bolts may be removed and cable laid in clamp grooves from the side. Material: Clamp-Aluminum Alloy, Socket-Galvanized Ductile iron, Clamping Range: 0.811"-1.152""

*Representative Image

Features

- "Type BR1 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: BR1200NBNK
- Bolt and clevis pin will be the same diameter"

General

Bolt Installation Torque (Recommended)	720 in-lbs
Fitting Type	None
Material - Body	Bronze Alloy
Material - Hardware	Galvanized Steel
Material - Keeper	High Strength Bronze
Material - Pin (Cotter)	Stainless Steel
Product Category	Quadrant
Strength Rating - Ultimate Body	15000 lb
Style	BR1
Type	Bolted Quadrant Deadend
U-Bolts	3 in

Dimensions

Clamping - Maximum	1.630 in
Clamping - Minimum	1.411 in
Clevis Opening	0.9375 in
Diameter - Clevis Pin	0.625 in
Height	5.00 in
Length	12.75 in
Weight	15.0 lb

Electrical Ratings

Voltage Application	Standard

Conductor Related

Clamping Range	1.411- 1.630

Certifications and Compliance

Industry Standard(s)	ANSI C119.4

Product Assets

Catalogs - Transmission Connectors Catalog - Full (CA05063E)
Literature - Ropes Course Industry Letter (April 2021)