



SHEARBOLT PIN TERMINALS (ASBP)

SHEARBOLT PIN TERMINALS FOR TERMINATIONS

KEY FEATURES

- Enable transition between aluminum and copper
- Use with cold and heat shrink terminations
- Easy to install
- Metal sealant protects at Al-Cu transition
- Tin-plated protection against corrosion
- Heavy-duty design made of high strength, tin-plated aluminum alloy

Shearbolt Pin Terminal Connectors are ideal for secondary distribution and overhead applications up to 35 kV. Aluminum Shearbolt pin connectors are range-taking mechanical connectors that will accommodate a range of cable sizes from 25mm² to 350mm², stranded Class B. Used for terminating solid, compact, compressed, and concentric stranded AAC as well as ACSR conductors.

The connector body is manufactured from high conductivity aluminum designed for heavy-duty utility applications. The bore of the connector body has a unique grooved surface to enhance electrical contact and minimize resistance at the interface between the connector and the conductor. The cable entry area is chamfered inside to provide easy cable insertion. Connectors are tin plated, which makes them suitable for transition between aluminum and copper.

The connector design incorporates shear head bolts, which ensures that the correct torque is applied and consequently the optimal contact force is generated to minimize connection resistance. The primary tool required to install the connector is a standard ratchet wrench with appropriate hexagonal sockets.

Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.

Shearbolt Pin Terminals



Refer to the Instruction Sheet 408-32203 for proper installation method.

| FEATURE | ADVANTAGE | BENEFIT |
|------------------------------------|---|--|
| Wide application range | Three connectors needed to accommodate all cable sizes from 25mm ² to 350mm ² stranded. | Reduces inventory and prevents accidental use of the wrong connector |
| Hexagonal shear head bolts | Installs with simple ratchet-type socket wrench or TE cordless impact wrench | Installs easily and quickly in confined areas |
| Impact wrench* | Installs easily and quickly in confined areas | Installation tool is no longer a source of failure. Reduces tool and die inventory, maintenance and cost |
| Torque-controlled shear head bolts | Sheared head gives positive indication of correct installation | Low contact resistance gives superior electrical performance |
| Knurled inner bore on connector | Unique profile breaks through conductor oxides and grips conductor strands | Generates low contact resistance and increases pullout rating |

*sold separately

PRODUCT SELECTION GUIDE: DIMENSIONS IN INCHES (mm)

| Part Description | Part Number | Pin | | Total Length mm (In.) | Barrel OD mm (In.) | Socket Size mm (In.) | Conductor Range | Conductor Diameter Range mm (In.) | Strip Length mm (In.) |
|------------------|-------------|-------------------|-----------------|-----------------------|--------------------|----------------------|---|-----------------------------------|-----------------------|
| | | Diameter mm (In.) | Length mm (In.) | | | | | | |
| BLMS-25-95-9 | 2182442-4 | 9.1 (0.360) | 64 (2.5) | 165 (6.5) | 31 (1.22) | 17 (11/16) | 25mm ² - 95mm ² | 6.4 - 13.5 (0.25 - 0.53) | 48 (1 7/8) |
| BLMS-95-185-12 | 2182445-2 | 11.7 (0.460) | 152 (6) | 254 (10) | 31 (1.22) | 17 (11/16) | 95mm ² - 185mm ² | 13.2 - 17.5 (0.52 - 0.69) | 48 (1 7/8) |
| BLMS-240-300-16 | 2182485-2 | 15.9 (0.625) | 152 (6) | 295 (11.6) | 42.5 (1.67) | 22 (7/8) | 240mm ² - 300mm ² | 18.5 - 25.4 (0.73 - 1.00) | 83 (3 1/4) |

TECHNICAL INFORMATION

Instruction Sheet: 408-32203
 Tested to: ANSI C119.4
 Engineering Test Report: 502-47477 (i)

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