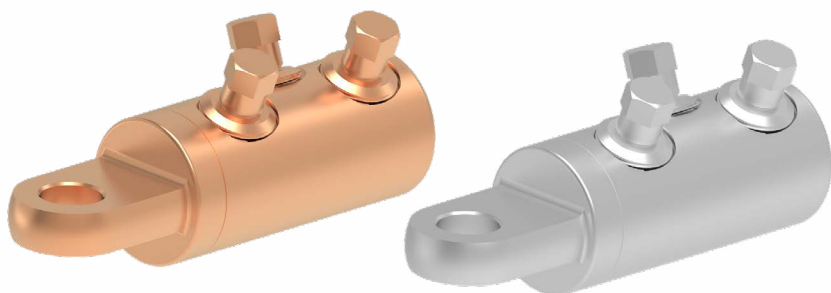


SHEAR BOLT TERMINALS

15/28/35 kV CLASS, 600/900A MECHANICAL
CONNECTORS FOR DEADBREAK ELBOWS



**BOLTS' HEADS ARE DESIGNED TO SHEAR
OFF AT THE REQUIRED TORQUE, ENSURING
AN OPTIMAL ELECTRICAL CONTACT**

APPLICATIONS

- Electrical Substations
- Onshore and Offshore Wind Energy
- Solar Energy
- Underground Power Networks

RELEVANT STANDARDS AND TEST REPORTS

- ANSI C119.4
- EDR-5501
- EDR-5698
- EDR-5502

KEY FEATURES

- Heavy-duty, high strength copper and tin-plated aluminum
- Range-taking, compact and smooth body design
- Dual rating for aluminum and copper conductors
- Reserve capacity for emergency loading conditions
- No crimping tool or dies required for installation

TE Connectivity's (TE) Shear Bolt Terminals ELB-600-CONN are range-taking mechanical connectors. With only 5 connector sizes, a conductor range from #2 compact to 1500 kcmil in aluminum, and #2 compact to 1250 kcmil in copper concentric, stranded class B can be accommodated. The primary application of the aluminum shear bolt is for 600A Deadbreak Elbow terminations and the copper shear bolt is for 900A Deadbreak Elbow terminations, for voltages up to 35 kV.

The aluminum shear bolt is ideally suited for making aluminum or copper cable connections, and the copper shear bolt is suited for copper cable connections only. The bore of the connector body has a uniquely-grooved surface to enhance electrical contact and minimize resistance at the interface between the terminal and the conductor. The cable entry area is chamfered inside for easy cable insertion.

The terminal design incorporates a shear bolt head, ensuring the correct torque is applied to each bolt, so optimal contact force is generated. The primary tool required to install the connector is a standard ratchet wrench with appropriate hexagonal sockets.

ORDERING INFORMATION

600A

ALUMINUM SHEAR BOLT TERMINALS - DIMENSIONS IN INCH				
TCPN	Product Description	Conductor Range	Conductor OD	Strip Length
CR3779-000	ELB-600-CONN-A1	2 AWG Compact to 350 kcmil Stranded	0.268 - 0.681	1-7/8
CR3780-000	ELB-600-CONN-A2	350 kcmil Compact to 750 kcmil Stranded	0.616 - 0.998	3-1/8
CR3781-000	ELB-600-CONN-A3	600 kcmil Compact to 1000 kcmil Stranded	0.813 - 1.152	3-7/8
CR3782-000	ELB-600-CONN-A4	1000 kcmil Compact to 1250 kcmil Stranded	1.060 - 1.289	4
ER3474-000	ELB-600-CONN-A5	1500 kcmil Stranded	1.37	3-5/8

Order bulk packs of 30 pieces by adding (BULK) to the end of the product description.

900A

COPPER SHEAR BOLT TERMINALS - DIMENSIONS IN INCH				
TCPN	Product Description	Conductor Range	Conductor OD	Strip Length
CR3784-000	ELB-600-CONN-C1	2 AWG Compact to 4/0 AWG Stranded	0.268 - 0.528	1-5/8
CR3785-000	ELB-600-CONN-C2	2/0 AWG Compact to 500 kcmil Stranded	0.376 - 0.813	1-7/8
CR3787-000	ELB-600-CONN-C3	300 kcmil Compact to 750 kcmil Stranded	0.570 - 0.998	2-3/8
CR3789-000	ELB-600-CONN-C4	500 kcmil Compact to 1000 kcmil Stranded	0.736 - 1.152	3-3/8
CR3791-000	ELB-600-CONN-C5	1000 kcmil Compact to 1250 kcmil Stranded	1.060 - 1.289	3-3/8

Learn more: [TE.com/energy](https://www.te.com/energy)

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