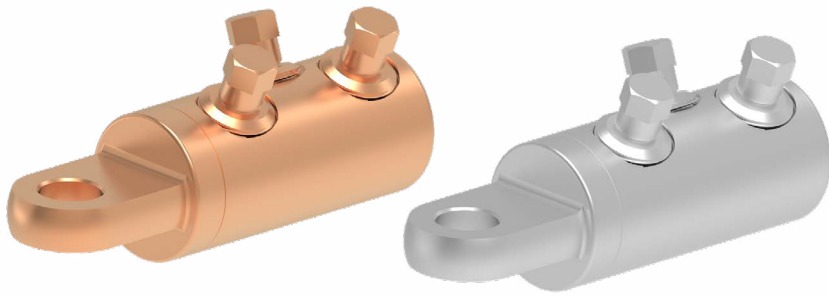


SHEAR BOLT TERMINALS

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

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.

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-connectivity.com/energy)

© 2023 TE Connectivity. All Rights Reserved. EPP-4213-DDS-3/23

TE, TE Connectivity, TE connectivity (logo), EVERY CONNECTION COUNTS are trademarks owned or licensed by TE Connectivity. Other logos, product and company names mentioned herein may be trademarks of their respective owners. While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions, specifications, and/or information contained herein are for reference purposes only and are subject to change without notice. Consult TE for the latest dimensions, specifications, and/or information. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

Connect with us:
[TE.com/energy-contact](https://www.te-connectivity.com/energy-contact)