



ALUMINUM SHEAR BOLT TERMINALS ASBT

#2 AWG COMPACT TO 1250 kcmil CONCENTRIC

KEY FEATURES

- Heavy-duty design made of high strength, tin-plated aluminum alloy
- Range taking, compact and smooth body design
- Dual rated for aluminum and copper conductors
- Provides long service life under normal operating conditions with reserve capacity for emergency loading conditions
- TE now offers a series of Shear Bolt Terminals that are UL Listed & CSA Certified
- No crimp tooling or dies required for installation

TE Connectivity's (TE) ASBT Aluminum Shear Bolt Terminals are range-taking mechanical connectors. With only three connector sizes, a conductor range from #2 compact to 1250 kcmil concentric, stranded Class B can be accommodated, thereby reducing inventory and preventing accidental use of the wrong conductor. The primary application of the ASBT is for power cable terminations, both underground and above ground at voltages up to 69 kV.

The ASBT is ideally suited for making aluminum or copper cable connections to flat bar or equipment pads equipped with 2-hole NEMA spacing. The terminal is manufactured from seamless, high conductivity aluminium designed for heavy-duty utility applications. 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 shear bolt head is fully integrated in the terminal design, ensuring that the correct torque is applied to each bolt. 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 the appropriate hexagonal sockets. A holding tool is recommended to avoid core bending of conductors and can be ordered (#IT-1000-019).

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

Aluminum Shear Bolt Terminals ASBT



PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Catalog Number	Part Number	Terminal Length	O.D.	Number of Bolts	Socket Size	Strip Length	Conductor Range	Conductor O.D. Range
Aluminum Shear Bolt Terminals ASBT Connectors								
ASBT-2-350	CM9694-000	5.9 (149)	1.22 (31)	2	11/16 (17)	1 ¾ (44)	2 AWG Compact to 350 kcmil Stranded	.268-.681 (6.8-17.3)
ASBT-350-750	CM9695-000	7.4 (188)	1.67 (42.5)	3	7/8 (22)	3 ½ (79)	350 kcmil Compact to 750 kcmil Stranded	.616-.998 (15.7-25.3)
ASBT-600-1000	CM9696-000	7.7 (196)	1.75 (44.4)	3	7/8 (22)	3 ¾ (95)	600 kcmil Compact to 1000 kcmil Stranded	.813-1.152 (20.6-29.2)
ASBT-1000-N	2182430-1	7.7 (196)	1.75 (44.4)	3	7/8 (22)	3 ¾ (95)	1000 kcmil compact to 1000 kcmil Conc Stranded	1.060-1.152 (26.9-29.3)
ASBT-1250-2	CS9412-000	6.96 (176.7)	2.00 (50.8)	3	(13)	2 ⅞ (75)	1250 kcmil compressed to 1250 kcmil Conc Stranded	1.190 - 1.250 (30.23 - 31.75)
ASBT-1250-2-N	CS9410-000	6.96 (176.7)	2.00 (50.8)	3	(13)	2 ⅞ (75)	1250 kcmil compressed to 1250 kcmil Conc Stranded	1.190 - 1.250 (30.23 - 31.75)
ASBT-1250-4	CS9414-000	6.96 (176.7)	2.00 (50.8)	3	(13)	2 ⅞ (75)	1250 kcmil compressed to 1250 kcmil Conc Stranded	1.190 - 1.250 (30.23 - 31.75)

PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Catalog Number	Part Number	Terminal Length	O.D.	Number of Bolts	Socket Size	Strip Length	Conductor Range	Conductor O.D. Range
Aluminum Shear Bolt Terminals ASBT Connectors UL/CSA Listed								
ASBT-2-4/0-U	1974141-1	5.9 (149)	1.22 (31)	2	11/16 (17)	1 ¾ (44)	2 AWG compact to 4/0 kcmil concentric	0.268-0.528 (6.80-13.40)
ASBT-250-350-U	1974142-1	5.9 (149)	1.22 (31)	2	11/16 (17)	1 ¾ (44)	250 kcmil compact to 350 kcmil concentric	0.520-0.681 (13.21-17.30)
ASBT-350-500-U	1974148-1	7.4 (188)	1.67 (42.5)	3	7/8 (22)	3 ½ (79)	350 kcmil compact to 500 kcmil concentric	0.616-0.813 (15.65-20.65)
ASBT-600-750-U	1974149-1	7.4 (188)	1.67 (42.5)	3	7/8 (22)	3 ½ (79)	600 kcmil compact to 750 kcmil concentric	0.813-0.998 (20.65-25.35)
ASBT-1000-U	1974153-1	7.7 (196)	1.75 (44.4)	3	7/8 (22)	3 ¾ (95)	1000 kcmil compact to 1000 kcmil concentric	1.060-1.152 (26.92-29.26)
ASBT-1000-N-U	2182430-1	7.7 (196)	1.75 (44.4)	3	7/8 (22)	3 ¾ (95)	1000 kcmil compact to 1000 kcmil concentric	1.060 - 1.152 (26.92 - 29.26)

te.com/energy

© 2018 TE Connectivity Ltd. family of companies. All Rights Reserved. EPP-2653-10/18-EN

Raychem, TE Connectivity and TE connectivity (logo) are trademarks. Other logos, product and/or company names might 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 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 in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

FOR MORE INFORMATION: TE Technical Support Centers

USA:	+ 1 800 327 6996
Canada:	+ 1 (905) 475-6222
Mexico:	+ 52 (0) 55-1106-0800
Latin/S. America:	+ 54 (0) 11-4733-2200
France:	+ 33 380 583 200
UK:	+ 44 0870 870 7500
Germany:	+ 49 896 089 903
Spain:	+ 34 916 630 400
Italy:	+ 39 333 250 0915
Benelux:	+ 32 16 508 695
Russia:	+ 7 495-790 790 2-200
China:	+ 86 (0) 400-820-6015