



# ALUMINUM SHEAR BOLT SPLICE ASBS CONNECTORS

## #2 AWG COMPACT TO 1000 kcmil CONCENTRIC

### KEY FEATURES

- Heavy-duty design made of high strength and 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
- Pre-engineered design for perfect fit in medium voltage cable accessories up to 35 kV
- TE's ASBS are UL listed and CSA certified
- No crimp tooling or dies required for installation

TE Connectivity's (TE) Aluminum Shear Bolt Splice ASBS connectors are range taking mechanical connectors which accommodate a wide range of aluminum and copper conductors from #2 AWG compact stranded to 1000 kcmil concentric stranded Class B to reduce inventory and prevent accidental use of wrong conductor. The primary application of aluminum shear bolt connectors is for underground splices up to 35 kV.

TE's ASBS connectors are ideally suited for aluminum to aluminum, aluminum to copper and copper to copper applications making them the universal connector solution. The only tool required to install the connector is a standard ratchet wrench with the appropriate sized hexagonal sockets.

The connectors design incorporates shear bolt heads, which ensures that the correct torque is applied to each bolt and consequently the optimal contact force is generated to minimize connection resistance. A holding tool is recommended to avoid core bending of conductors and can be ordered from TE (#IT-1000-019). The solid center stop (available on all sizes) inside the connectors ensure proper conductor positioning and eliminates oil leakage when connecting oil impregnated conductors.

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

## Aluminum Shear Bolt Splice ASBS Connectors



### PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Catalog Number	Part Number	Conductor Range		O.D. Range	Length	Connector O.D.	Number of Bolts	Socket Size
		Compact stranded	Standard stranded					
<b>Aluminum Shear Bolt Splice ASBS Connectors</b>								
ASBS-2-3/0	CL8618-000	2 AWG	3/0 AWG	.268-.470 (6.8-11.9)	2.5 (65)	.95 (24)	2	1/2 (13)
ASBS-2-350	694472-000	2 AWG	350 kcmil	.268-.681 (6.8-17.3)	3.9 (100)	1.22 (31)	4	11/16 (17)
ASBS-3/0-500	CL8619-000	3/0 AWG	500 kcmil	.423-.813 (10.7-20.6)	4.9 (125)	1.3 (34)	4	3/4 (19)
ASBS-3/0-500-S	CU2713-000	3/0 AWG	500 kcmil	.423-.813 (10.7-20.6)	4.9 (125)	1.3 (34)	4	3/4 (19)
ASBS-350-750	CL7947-000	350 kcmil	750 kcmil	.616-.998 (15.6-25.3)	6.7 (170)	1.67 (42.5)	6	7/8 (22)
ASBS-500-750	E89931-000	500 kcmil	750 kcmil	.736-.998 (18.7-25.3)	6.0 (152)	1.52 (39)	6	3/4 (19)
ASBS-600-1000	C68131-000	600 kcmil	1000 kcmil	.813-1.152 (20.6-29.2)	8.0 (203)	1.75 (44.4)	6	7/8 (22)

### PRODUCT SELECTION INFORMATION: DIMENSIONS IN INCHES (MM)

Catalog Number	Part Number	Conductor Range	O.D. Range	Length	Connector O.D.	Number of Bolts	Socket Size	Insert Used
ASBS-2-U	1974155-1	2 AWG compact to 2 AWG concentric	0.268-0.292 (6.81-7.42)	2.6 (65)	0.94 (24)	2	1/2 (13)	Yes**
ASBS-2-4/0-U	1974138-1	2 AWG compact to 4/0 AWG concentric	0.268-0.528 (6.81-13.41)	3.9 (100)	1.22 (31)	4	11/16 (17)	No
ASBS-2-4/0/250-350-U	2182352-1	Side #1: 2 AWG compact to 4/0 AWG concentric Side #2: 250 compact to 350 kcmil concentric	Side #1: 0.268-0.528 (6.81-13.41) Side #2: 0.520-0.681 (13.21-17.30)	3.9 (100)	1.22 (31)	4	11/16 (17)	No
ASBS-250-350-U	1974139-1	250 compact to 350 kcmil concentric	0.520-0.681 (13.21-17.30)	3.9 (100)	1.22 (31)	4	11/16 (17)	No
ASBR-250-350/350-500-U	2182769-1	Side #1: 250 compact to 350 kcmil concentric Side #2: 350 compact to 500 kcmil concentric	Side #1: 0.520-0.681 (13.21-17.30) Side #2: 0.616-0.813 (15.65-20.65)	5.4 (138)	1.3 (33) / 1.67 (42.5)	5	11/16 (17) / 7/8 (22)	No
ASBR-250-350/600-750-U	2182770-1	Side #1: 250 compact to 350 kcmil concentric Side #2: 600 kcmil compact to 750 kcmil concentric	Side #1: 0.520-0.681 (13.21-17.30) Side #2: 0.813-0.998 (20.65-25.35)	5.4 (138)	1.3 (33) / 1.67 (42.5)	5	11/16 (17) / 7/8 (22)	No
ASBS-350-500-U	1974144-1	350 compact to 500 kcmil concentric	0.616-0.813 (15.65-20.65)	6.7 (170)	1.67 (42.5)	6	7/8 (22)	Yes**
ASBR-350-500/600-750-U	1974146-1	Side #1: 350 kcmil compact to 500 kcmil concentric Side #2: 600 kcmil compact to 750 kcmil concentric	Side #1: 0.616-0.813 (15.65-20.65) Side #2: 0.813-0.998 (20.65-25.35)	6.7 (170)	1.67 (42.5)	6	7/8 (22)	Yes**
ASBR-350-500/1000-U	2182732-1	Side #1: 350 kcmil compact to 500 kcmil concentric Side #2: 1000 kcmil compact to 1000 kcmil concentric	Side #1: 0.616-0.813 (15.65-20.65) Side #2: 1.060-1.152 (26.92-29.26)	7.4 (189)	1.67 (42.5) / 1.75 (44.5)	6	7/8 (22)	Yes**
ASBS-600-750-U	1974145-1	600 kcmil compact to 750 kcmil concentric	0.813-0.998 (20.65-25.35)	6.7 (170)	1.67 (42.5)	6	7/8 (22)	No
ASBR-600-750/1000-U	2182734-1	Side #1: 600 kcmil compact to 750 kcmil concentric Side #2: 1000 kcmil compact to 1000 kcmil concentric	Side #1: 0.813-0.998 (20.65-25.35) Side #2: 1.060-1.152 (26.92-29.26)	7.4 (189)	1.67 (42.5) / 1.75 (44.5)	6	7/8 (22)	No
ASBS-1000-U	1974151-1	1000 kcmil compact to 1000 kcmil concentric	1.060-1.152 (26.92-29.26)	8.0 (203)	1.75 (44.5)	6	7/8 (22)	No

\*\* DO NOT remove insert. Please contact your TE representative for conductor sizes or types not listed.

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