

## MECHANICAL SHEAR BOLT TERMINAL LUGS BLMT FOR LOW, MEDIUM AND HIGH VOLTAGE CABLE ACCESSORIES UP TO 84 kV

### KEY FEATURES

- Wide application range
- Compact design
- Can be used with almost every type of conductor and material
- Torque-controlled shear-head bolts guarantee a good electrical contact
- Easy installation with standard socket spanner
- Pre-engineered design for perfect fit in high and medium voltage cable accessories up to 84 kV
- Connection to aluminium or copper busbar
- Can be installed indoor or outdoor
- Tested according to IEC 61238-1 class A

Mechanical shear bolt terminal lugs BLMT are designed for use in low, medium and high voltage applications. These products cover conductor sizes from 10 to 1000 mm<sup>2</sup>, only three sizes cover conductor sizes from 25 mm<sup>2</sup> to 400 mm<sup>2</sup>. All products consist of a tin-plated body, shear-head bolts and inserts for small conductor sizes.

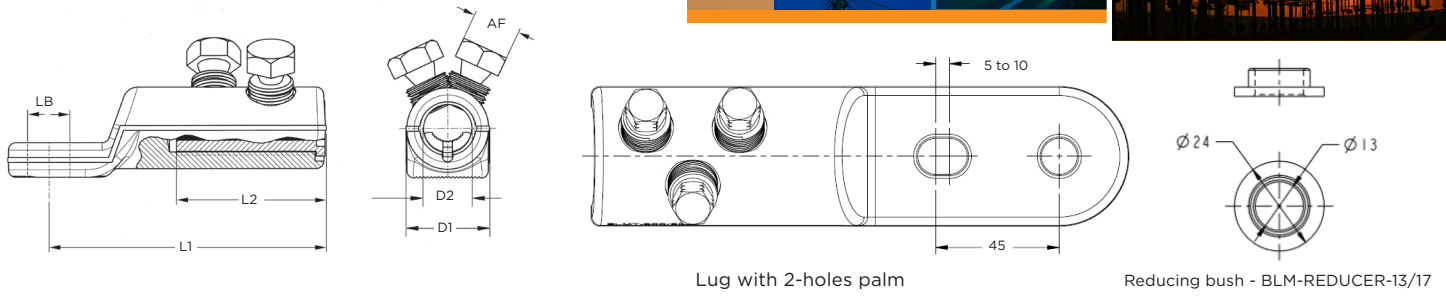
Made of special aluminium alloy, these contact bolts are double shear-head bolts with hexagon heads. The bolts are treated with a highly lubricating agent. Contact bolts are irremovable once their heads have been sheared off. The Lug body is made of a high-tensile, tin-plated aluminium alloy. The internal surface of the conductor holes are grooved.

Lugs are suitable for outdoor and indoor applications and are available with different palm hole sizes. The bolted fitting featured herein was developed specifically for use in high and medium voltage cable accessories up to 84 kV. They may also be used in the 1 kV range.

Before using mechanical lugs in cable accessories, confirm that they are suitable for the given application and if necessary consult the manufacturer.

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

# Mechanical shear bolt terminal lugs BLMT



Lug with 2-holes palm

Reducing bush - BLM-REDUCER-13/17

PRODUCT SELECTION INFORMATION																
Description	Conductor cross sectional range and diameter	Al				Cu				Palm Hole Diameter (mm) LB	Dimensions (mm)				Contact Bolts Quantity	Head Size AF (mm)
		Circular Stranded	Circular Solid	Sector Stranded	Sector Solid	Circular Stranded	Circular Solid	Sector Stranded	Flexible Circular		L1	L2	D1	D2		
BLMT-25/95-13	mm²	25 - 95	25 - 95	25 - 70	-	16 - 95	10 - 50	25 - 70	25-35 / 70	13	60	30	24	12.8	1	13
	ø (mm)	5.6 - 12.5	-	-	-	4.6 - 12.5	3.5 - 8	-	6.3-9.2 / 11-12							
BLMT-25/95-17	mm²	25 - 95	25 - 95	25 - 70	-	16 - 95	10 - 50	25 - 70	25-35 / 70	17	60	30	24	12.8	1	13
	ø (mm)	5.6 - 12.5	-	-	-	4.6 - 12.5	3.5 - 8	-	6.3-9.2 / 11-12							
BLMT-16/70S-95R-13/17*	mm²	25 - 95	25 - 95	25 - 70	-	16 - 95	10 - 50	25 - 70	25-35 / 70	13 / 17	60	30	24	12.8	1	13
	ø (mm)	5.6 - 12.5	4.1 - 11	-	-	4.6 - 12.5	3.5 - 8	-	6.3-9.2 / 11-12							
BLMT-35/150-13	mm²	35 - 150	35 - 150	50 - 95	50 - 120	35 - 150	35 - 50	50 - 95	50 - 70	13	86	35	28	15.8	1	17
	ø (mm)	6.8 - 15	6.5 - 14	-	-	6.6 - 15	6.5 - 8	-	9.2 - 13.1							
BLMT-35/150-17	mm²	35 - 150	35 - 150	50 - 95	50 - 120	35 - 150	35 - 50	50 - 95	50 - 70	17	86	35	28	15.8	1	17
	ø (mm)	6.8 - 15	6.5 - 14	-	-	6.6 - 15	6.5 - 8	-	9.2 - 13.1							
BLMT-95/240-13	mm²	70 - 240	95 - 240	95 - 150	95 - 150	70 - 240	-	95 - 150	95 / 150	13	112	60	33	20	2	13
	ø (mm)	9.3 - 19.2	10.5 - 18	-	-	12.7 - 22.6	-	-	13-14.3 / 16.5-19							
BLMT-95/240-17	mm²	70 - 240	95 - 240	95 - 150	95 - 150	70 - 240	-	95 - 150	95 / 150	17	112	60	33	20	2	13
	ø (mm)	9.3 - 19.2	10.5 - 18	-	-	12.7 - 22.6	-	-	13-14.3 / 16.5-19							
BLMT-50/185S-240R-13/17*	mm²	70 - 240	50 - 240	95 - 185	70 - 150	70 - 240	95 - 185	-	50 - 70	13 / 17	112	60	33	20	2	13
	ø (mm)	9.3 - 19.2	7.2 - 17.6	-	-	9.3 - 19.2	-	-	-							
BLMT-120/300-13	mm²	120 - 300	150 - 300	120 - 185	120 - 240	120 - 300	-	120 - 185	240 - 300	13	115	65	37	24	2	22
	ø (mm)	12.7 - 23.1	12.9 - 19.8	-	-	18.7 - 22.6	-	-	21 - 23.5							
BLMT-120/300-17	mm²	120 - 300	150 - 300	120 - 185	120 - 240	120 - 300	-	120 - 185	240 - 300	17	115	65	37	24	2	22
	ø (mm)	12.7 - 23.1	12.9 - 19.8	-	-	18.7 - 22.6	-	-	21 - 23.5							
BLMT-150/400 mk2-13	mm²	150 - 400	150 - 400	150-240	185 - 240	150 - 400	-	150 - 240	240 / 300	13	122	80	42	25.5	3	13
	ø (mm)	13.7 - 24.6	12.9 - 22.2	-	-	13.7 - 24.6	-	-	13-21 / 23.5-25							
BLMT-150/400 mk2-17	mm²	150 - 400	150 - 400	150-240	185 - 240	150 - 400	-	150 - 240	240 / 300	17	122	80	42	25.5	3	13
	ø (mm)	13.7 - 24.6	12.9 - 22.2	-	-	13.7 - 24.6	-	-	13-21 / 23.5-25							
BLMT-150/400 mk2-21	mm²	150 - 400	150 - 400	150-240	185 - 240	150 - 400	-	150 - 240	240 / 300	21	122	80	42	25.5	3	13
	ø (mm)	13.7 - 24.6	12.9 - 22.2	-	-	13.7 - 24.6	-	-	13-21 / 23.5-25							
BLMT-150/400 mk2-2x13	mm²	150 - 400	150 - 400	150-240	185 - 240	150 - 400	-	150 - 240	240 / 300	2*13	122	80	42	25.5	3	13
	ø (mm)	13.7 - 24.6	12.9 - 22.2	-	-	13.7 - 24.6	-	-	13-21 / 23.5-25							
BLMT-150/400-13/17*	mm²	150 - 400	150 - 400	150-240	185 - 300	150 - 400	-	150 - 240	300	13 / 17	122	80	42	25.5	3	13
	ø (mm)	13.7 - 24.6	12.9 - 22.2	-	-	13.7 - 24.6	-	-	23.5 - 25							
BLMT-500/630 mk2-13	mm²	500 - 630	500 - 630	-	-	500 - 630	-	-	500	13	125	70	50	33	3	13
	ø (mm)	25.3 - 32.5	24.0 - 28.6	-	-	25.3 - 32.5	-	-	31 - 32.5							
BLMT-500/630 mk2-17	mm²	500 - 630	500 - 630	-	-	500 - 630	-	-	500	17	125	70	50	33	3	13
	ø (mm)	25.3 - 32.5	24.0 - 28.6	-	-	25.3 - 32.5	-	-	31 - 32.5							
BLMT-500/630 mk2-21	mm²	500 - 630	500 - 630	-	-	500 - 630	-	-	500	21	125	70	50	33	3	13
	ø (mm)	25.3 - 32.5	24.0 - 28.6	-	-	25.3 - 32.5	-	-	31 - 32.5							
BLMT-500/630 mk2-2x13	mm²	500 - 630	500 - 630	-	-	500 - 630	-	-	500	2*13	125	70	50	33	3	13
	ø (mm)	25.3 - 32.5	24.0 - 28.6	-	-	25.3 - 32.5	-	-	31 - 32.5							
BLMT-630/800R1AL-13/17*	mm²	630	630 - 800	-	-	630	-	-	-	13 / 17	125	70	50	33	3	13
	ø (mm)	28.7 - 32.5	27.3 - 32.1	-	-	28.7 - 32.5	-	-	-							
BLMT-800/1000-17	mm²	800 - 1000	800 - 1000	-	-	800 - 1000	-	-	-	17	153	85	60	40	4	13
	ø (mm)	32.5 - 39.5	30.9 - 36	-	-	32.5 - 39.5	-	-	-							
BLMT-800/1000-21	mm²	800 - 1000	800 - 1000	-	-	800 - 1000	-	-	-	21	153	85	60	40	4	13
	ø (mm)	32.5 - 39.5	30.9 - 36	-	-	32.5 - 39.5	-	-	-							
BLMT-800/1000-2x13	mm²	800 - 1000	800 - 1000	-	-	800 - 1000	-	-	-	2*13	153	85	60	40	4	13
	ø (mm)	32.5 - 39.5	30.9 - 36	-	-	32.5 - 39.5	-	-	-							

\* Supplied with Reducing Bush BLM-REDUCER-13/17 which gives the option to connect the lug with a M12 or M16 bolt

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