# Shear Bolt cable lugs up to 12kV

# For applications up to 12kV

# Suitable for Al and Cu conductors

Certified according to

**EN61238-1 class A** 





Shear Bolt lugs are used for terminating aluminium or copper conductors in applications up to 12kV.

## **Advantages**

- Shear Bolt technology allows installation of the lugs using a regular wrench or a spanner, no crimping or other special tools are needed.
- Morek Shear Bolt cable lugs are range taking products that can be used with conductors of varying crosssections, accommodating a wide range of conductors with only a few items.
- Shear Bolt lugs' specially designed aluminium bodies are made of high-strength aluminium alloy and are tin-plated, allowing their use with both aluminium and copper conductors.
- Bolts made of aluminium or tin-plated brass are designed to break at the exact torque required for best electrical connection.
- Shear Bolts are treated with special antioxidation grease to ensure the lubrication and eliminate all kinds of oxidation in places of electrical contact.

- All Morek Shear Bolt lugs are watertight and suitable for indoor and outdoor installation, to be used with solid, stranded, sector shaped and round conductors with plastic or oil-impregnated paper isolation.
- Shear Bolt lugs are compatible with most termination kits by many manufacturers. Compact design requires less installation space, especially for larger sizes.

# **Certification and regulations**

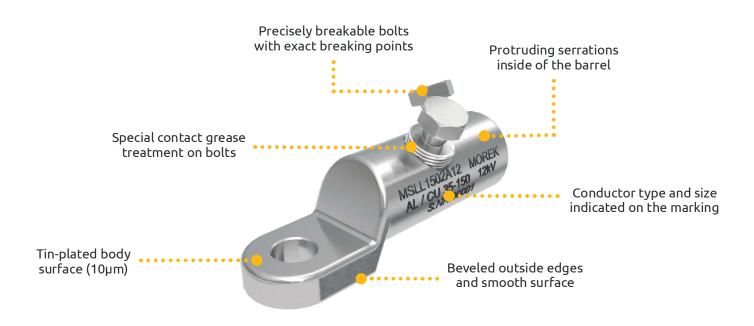
Tested according to IEC61238-1 class A

### **Technical specifications**

- Nominal voltage up to 12kV
- Suitable for copper and aluminium conductors
- Bolts are treated with antioxidation grease

#### **Materials**

**Lug body:** tin-plated high-strength aluminium alloy **Aluminium-bolt cable lug bolts:** aluminium alloy **Brass-bolt cable lug bolts:** tin-plated brass



EN 61238-1:2003 divides cable lugs and connectors into two classes:

**Class A** (heat cycle and **short-circuit tested**) - These are connectors intended for electrical distribution or industrial networks in which they can be subjected to short-circuits of relatively high intensity and duration. Therefore, Class A connectors are suitable for most applications.

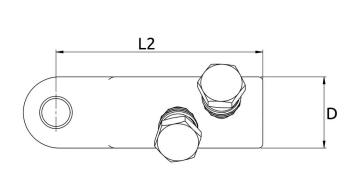
**Class B** (heat cycle tests only, **not short-circuit tested**) - These are connectors for networks in which overloads or short-circuits are rapidly cleared by the installed protective devices, e.g. **fast-acting fuses**.

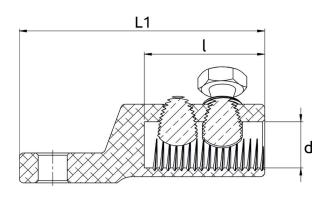




**Bolts:** aluminium alloy Suitable for Al/Cu applications

# **Dimensions**









			-	
M10	-	-	-	
M12	MSLL0952A12	MSLL1502A12	MSLL2402A12	MSLL3002A12
M16	-	-	MSLL2402A16	MSLL3002A16

Technical data					
Conductor cross-section Al (mm²)					
RE Round, solid	16 - 95	35 - 150	50 - 240	120 - 300	
RM Round, stranded	16 - 95	35 - 150	50 - 240	120 - 300	
SE Sector shaped, solid	16 - 95	35 - 150	50 - 240	120 - 300	
SM Sector shaped, stranded	16 - 95	35 - 120	50 - 240	120 - 300	
Conductor cross-section Cu (mm²)					
RM Round, stranded	25 - 95	35 - 150	50 - 240	120 - 300	
SM Sector shaped, stranded	25 - 95	35 - 150	50 - 240	120 - 300	
RE Round, solid	10 - 35	25 - 35	-	-	
No. of bolts Ø mm	2/M12	2/M16	2/M18	2/M22	
L1/L2/l	76/63/32	100 / 85 / 52	115/97/57	123 / 104 / 59	
D/d	25/15	29/18	35 / 22	38 / 24,5	

120

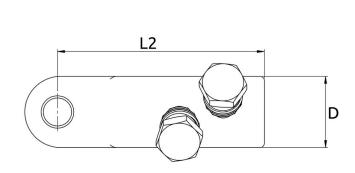
40

**Bolts:** aluminium alloy Suitable for Al/Cu applications

# Dimensions

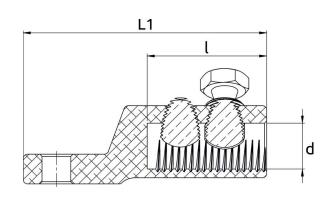
Weight (g)

Package (pcs)



82

25



250

15

280

10









Palm opening size	MSLL35	MSLL50	MSLL70
M10	MSLL0351B10	MSLL0501B10	-
M12	MSLL0351B12	MSLL0501B12	MSLL0702B12
M16	-	-	-
Technical data			
Conductor cross-section Al (mm²)			
RE Round, solid	6 - 35	6 - 50	16 - 70
RM Round, stranded	10 - 35	10 - 50	16 - 70
SE Sector shaped, solid	16 - 35	16 - 50	16 - 70
SM Sector shaped, stranded	16 - 25	16 - 35	16 - 70
Conductor cross-section Cu (mm²)			
RM Round, stranded	16 - 35	6-50	16 - 70
SM Sector shaped, stranded	16 - 35	6-50	16 - 70
RE Round, solid	6-25	6 - 35	6-35
No. of bolts Ø mm	1/M10	1/M10	2/M12
L1/L2/l	53/40/18	62/51/28	90 / 75 / 40

20/11

47

50

**Bolts:** tin-plated brass

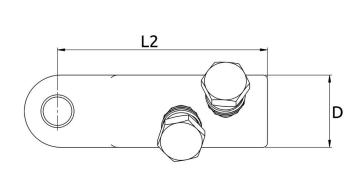
Suitable for Al/Cu applications

# Dimensions

D/d

Weight (g)

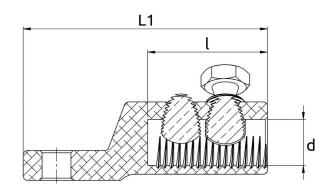
Package (pcs)



16/9

27

50



22/12

100

30





## **Dimensions**

Suitable for Al/Cu applications

