

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 cross-sections, 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

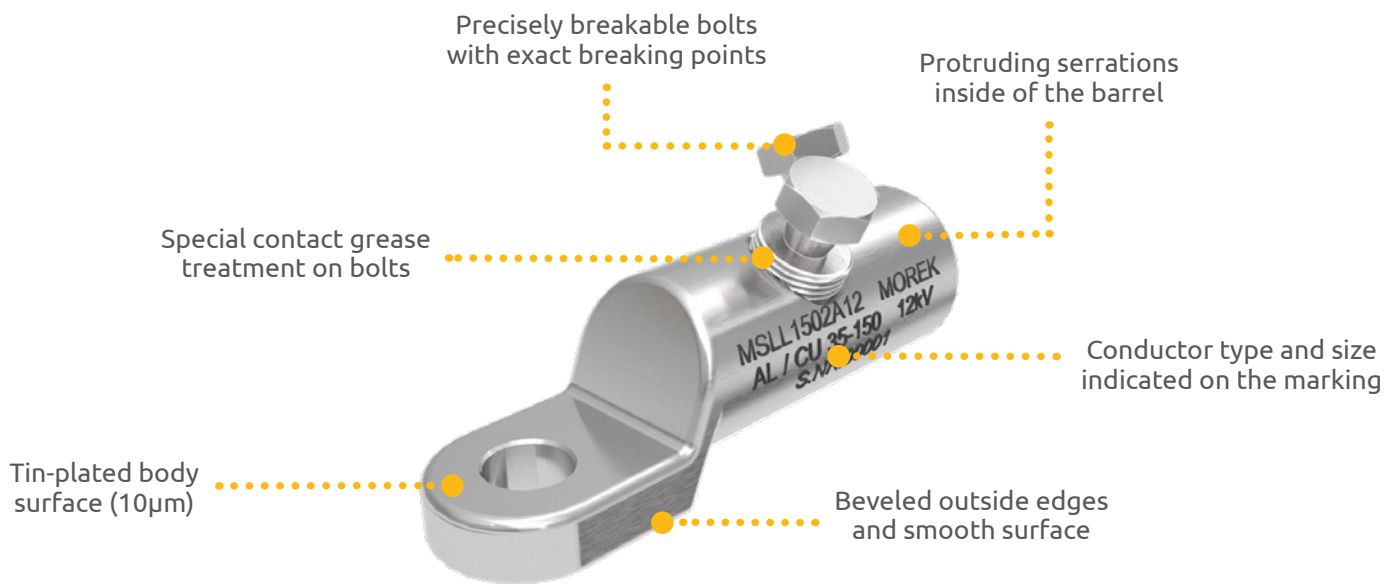
- Nominal voltage up to 12kV
- Suitable for copper and aluminium conductors
- Bolts are treated with antioxidation grease

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**.






Palm opening size	MSL96	MSL150	MSL240	MSL300
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
Weight (g)	82	120	250	280
Package (pcs)	25	40	15	10

Bolts: aluminium alloy

Suitable for Al/Cu applications

Dimensions

