

Mechanical Bimetal Lug for Aluminum to Copper Connection

This mechanical bimetal lug is designed for connecting aluminum cables to copper busbars or equipment terminals. The lug features a mechanical connection, eliminating the need for crimping tools and providing a reliable transition between aluminum and copper.



ADDITIONAL IMAGES



Product Overview

Mechanical Bimetal Lug

The JTLL series mechanical bimetal lug is engineered for the transition connection of aluminum or aluminum alloy cables to copper terminals in low-voltage electrical equipment. Featuring a high-strength aluminum alloy body and friction-welded construction, these lugs ensure stable performance and prevent galvanic corrosion. Designed for ease of use, they eliminate the need for specialized crimping tools, requiring only a standard wrench for installation.

Technical Details

Material Composition	High Strength Aluminum Alloy, Copper (Cue99.9%)
Compliance Standard	IEC 61238-1: 2003

Key Features

Installation Benefits

- No crimping tools required; use socket spanner or wrench
- Torque-controlled shear head bolts prevent conductor damage
- Prefilled with jointing compound
- Friction welded for superior connection

Specifications Table

Type	Conductor Size (mm ²)	Outer Diameter (mm)	Number of Bolts	Shear-off Torque (Nm)	Wrench Size	Pack(pcs)
JTLL10-35-8/1	10-35	16	1	8	9	125x4
JTLL10-35-10/1		16	1	8	9	125x4
JTLL25-50-8/1	25-50	18	1	10	10	100x4
JTLL25-50-10/1		18	1	10	10	100x4
JTLL50-95-8/1	50-95	22	1	22	13	70x4
JTLL50-95-10/1		22	1	22	13	70x4
JTLL120-185-10/1	120-185	30	1	40	17	35x4
JTLL120-185-12/1		30	1	40	17	35x4
JTLL240-300-10/2	240-300	36	2	55	22	16x4
JTLL240-300-12/2		36	2	55	22	16x4

Technical specifications and sizing chart for the JTLL series mechanical bimetal lugs.

Technical Specifications

Type	Conductor Size (mm ²)	Outer Diameter (mm)	Bolts	Shear Torque (Nm)
JTLL10-35	10-35	16	1	8
JTLL25-50	25-50	18	1	10
JTLL50-95	50-95	22	1	22
JTLL120-185	120-185	30	1	40
JTLL240-300	240-300	36	2	55