

## Mechanical Bimetallic Lug

This mechanical bimetallic lug facilitates transition connections between aluminum cables and copper ends of electrical equipment in low voltage systems. It utilizes torque-controlled shear head bolts and friction welding to ensure stable connectivity.



### Product Overview

#### Mechanical Bimetallic Lug

This mechanical bimetallic lug is designed for the transition connection of aluminum or aluminum alloy cables to copper terminals in low-voltage electrical equipment. It features a robust, friction-welded design that eliminates the need for specialized crimping tools, utilizing torque-controlled shear head bolts for a stable, damage-free connection. Prefilled with jointing compound, this component offers a versatile and reliable solution for electrical power transmission and distribution.

## Technical Specifications

Type	Conductor Size (mm <sup>2</sup> )	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

Detailed technical specifications including conductor sizes, torque requirements, and bolt configurations.

### Standards

IEC 61238-1: 2003

### Key Features

- No crimping tools required; uses socket spanner or wrench
- Torque-controlled shear head bolts prevent conductor damage
- Friction welded construction
- Prefilled with jointing compound
- Wide application range

### Technical Data Table

Model Type	Conductor Size (mm <sup>2</sup> )	Outer Diameter (mm)	Bolts	Shear Torque (Nm)
JTLL10-35-8/1	10-35	16	1	8
JTLL10-35-10/1	10-35	16	1	8
JTLL25-50-8/1	25-50	18	1	10
JTLL25-50-10/1	25-50	18	1	10
JTLL50-95-8/1	50-95	22	1	22
JTLL50-95-10/1	50-95	22	1	22
JTLL120-185-10/1	120-185	30	1	40
JTLL120-185-12/1	120-185	30	1	40
JTLL240-300-10/2	240-300	36	2	55
JTLL240-300-12/2	240-300	36	2	55

### Material Composition

High strength aluminum alloy, Copper (e99.9%), Aluminum alloy bolts