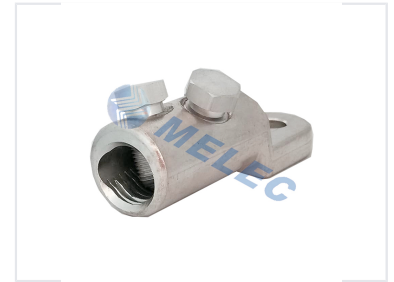


Mechanical Aluminum Lug Connector

This mechanical aluminum lug is used for transition connection of copper cable, aluminum cable, or aluminum alloy cable with copper end of electrical equipment in low voltage. It requires only a socket spanner or wrench for installation, removing the need for crimping tools.



ADDITIONAL IMAGES



Product Overview

High-Performance Mechanical Aluminum Lug

This mechanical aluminum lug is designed for the transition connection of copper, aluminum, or aluminum alloy cables in low-voltage electrical equipment. It features a high-strength aluminum alloy body with tin-plated surfaces to ensure superior electrical and mechanical performance. The installation is simplified by torque-controlled shear-off bolts, eliminating the need for specialized crimping tools.

Technical Specifications

Key Features

- No crimping tools required (uses socket spanner or wrench)
- Torque-controlled shear-off bolts for consistent performance
- Prefilled with jointing compound
- Threaded inner surface for enhanced conductivity

| | |
|-----------|---|
| Standard | IEC 61238-1:2003 |
| Materials | High strength aluminum alloy body, Aluminum alloy bolts, Tin plated surface |

Model Range Table

| Type | AL in mm ² | | | | CU in mm ² | | | | Number Of Bolts | Shear-off Torque (Nm) | Wrench Size | Pack (pcs) |
|------------------|-----------------------|--------|--------|--------|-----------------------|--------|-------|---------|-----------------|-----------------------|-------------|------------|
| | round | sector | round | sector | round | sector | round | class 5 | | | | |
| SJLL6-25-12/1L | 10-35 | 16-25 | 6-35 | 16-35 | 10-25 | 16-25 | 4-25 | 1.5-35 | 1 | 5 | 8 | 150x4 |
| SJLL6-50-12/1L | 10-50 | 35-50 | 10-50 | 35-50 | 6-50 | 35-50 | 6-35 | 50 | 1 | 11 | 10 | 100x4 |
| SJLL16-95-12/1L | 16-95 | 35-95 | 16-95 | 35-95 | 16-95 | 35-95 | 16-35 | 95 | 1 | 20 | 13 | 75x4 |
| SJLL50-240-12/2L | 50-240 | 50-240 | 50-240 | 50-240 | 50-240 | 50-240 | - | 240 | 2 | 35 | 19 | 20x4 |

Technical data and configuration guide for various model sizes.

Product Selection Matrix

| Model | AL Conductor (mm ²) | CU Conductor (mm ²) | Bolts | Torque (Nm) | Wrench Size |
|------------------|---------------------------------|---------------------------------|-------|-------------|-------------|
| SJLL6-25-12/1L | 10-35 | 1.5-35 | 1 | 5 | 8 |
| SJLL6-50-12/1L | 10-50 | 6-50 | 1 | 11 | 10 |
| SJLL16-95-12/1L | 16-95 | 16-95 | 1 | 20 | 13 |
| SJLL50-240-12/2L | 50-240 | 50-240 | 2 | 35 | 19 |