

# Aluminum Mechanical Lug Connector

This mechanical lug is used for connecting copper, aluminum, or aluminum alloy cables to electrical equipment. It features torque-controlled shear head bolts and does not require crimping tools.



## Overview

### High-Performance Mechanical Connection

The AUL series mechanical lug is designed for reliable medium voltage connections between copper, aluminium, or aluminium alloy cables and electrical equipment. Featuring torque-controlled shear head bolts, these lugs ensure a stable connection without damaging the conductor. Their versatile design eliminates the need for specialized crimping tools, requiring only a standard socket spanner or wrench for installation.

## Technical Standards

### Standard Compliance

IEC 61238-1:2003

## Material & Construction

Body Material	High strength aluminum alloy
Bolt Material	Brass, Aluminum Alloy
Surface Treatment	Tin plated

## Key Features

### Product Features

- No crimping tools required (use socket spanner or wrench)
- Torque controlled shear head bolts for conductor protection
- Stable electrical working performance
- Wide application range across cable types
- Prefilled with jointing compound

## Application Data

Compatible Cable Types	Copper Cable, Aluminium Cable, Aluminium Alloy Cable
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## Technical Specifications

Type	Conductor Size (mm <sup>2</sup> )	Outer Diameter (mm)	Number of Bolts	Shear-off Torque (Nm)	Wrench Size	Pack (pcs)
AUL25-95-12/1	25-95	24	1	17	13	40x4
AUL25-95-16/1		24	1	17	13	40x4
AUL35-150-12/1	35-150	28	1	31	17	30x4
AUL35-150-16/1		28	1	31	17	30x4
AUL35-150-12/2		28	2	31	17	20x4
AUL35-150-16/2		28	2	31	17	20x4
AUL70-240-12/2	70-240	33	2	36	19	12x4
AUL70-240-16/2		33	2	36	19	12x4
AUL120-300-12/2	120-300	38	2	40	22	9x4
AUL120-300-16/2		38	2	40	22	9x4

Detailed dimensions and torque requirements for conductor sizes 25mm<sup>2</sup> to 300mm<sup>2</sup>.

AUL185-400-12/3	185-400	42	3	43	22	7x4
AUL185-400-16/3		42	3	43	22	7x4
AUL300-630-12/3	300-630	52	3	56	24	4x4
AUL300-630-16/3		52	3	56	24	4x4
AUL300-630-20/3		52	3	56	24	4x4

Specifications for high-capacity cable terminations up to 630mm<sup>2</sup>.

### Standard Model Specifications

Type	Conductor Size (mm <sup>2</sup> )	Outer Diameter (mm)	Bolts	Shear Torque (Nm)
AUL25-95	25-95	24	1	17
AUL35-150	35-150	28	1	31
AUL70-240	70-240	33	2	36
AUL120-300	120-300	38	2	40

### High Capacity Range

- 185-400 mm<sup>2</sup>
- 300-630 mm<sup>2</sup>