

Bimetallic Lug - French Standard

This bimetallic lug facilitates transition connections between aluminum or aluminum alloy cables and copper ends of electrical equipment in low voltage systems. It is designed with an oil blocking structure and clear crimping location markings.



Overview

Bimetallic Lug - French Standard (CAUBT)

The CAUBT series bimetallic lugs are specifically designed for the transition connection between aluminum or aluminum alloy cables and copper terminals of low-voltage electrical equipment. Manufactured to the NF C 63-061 French standard, these lugs utilize friction-welding technology to ensure a high-strength bond between the aluminum barrel and copper palm. This construction prevents galvanic corrosion and ensures a reliable, long-lasting electrical connection in power distribution systems.

Technical Standards

Compliance Standard

NF C 63-061

Material Composition

Material Purity

99.5 %

Aluminum (Al)

99.9 %

Copper (Cu)

Design Features

Key Features

- Friction welded joint for superior conductivity
- Oil blocking structure to protect cable integrity
- Prefilled with jointing compound to prevent oxidation
- Clear markings on barrel for precise crimping location

Sizing & Dimensions

Type	Conductor Size (mm ²)	Dimensions				Stud size	Pack (pcs)	Crimping Die Hex
		L (mm)	d (mm)	D (mm)	B (mm)			
CAUBT35-10	35	58.5	8	16	20	M10	300	-
CAUBT50-10	50	58.5	9	16	20	M10	300	-
CAUBT70-10	70	58.5	11	20	20	M10	240	E173
CAUBT70-12		58.5	11	20	20	M12	240	E173
CAUBT95-10	95	58.5	12.5	20	20	M10	240	E173
CAUBT120-10	120	58.5	13.7	20	20	M10	240	E173
CAUBT120-12		62	13.7	20	24	M12	240	E173
CAUBT150-10	150	68	15.5	27	24	M10	150	-
CAUBT150-12		68	15.5	27	24	M12	150	-
CAUBT185-10	185	68	17	27	24	M10	120	-
CAUBT185-12		74	17	27	30	M12	120	-
CAUBT240-10	240	74	19.5	27	30	M10	120	-
CAUBT240-12		74	19.5	27	30	M12	120	-

Comprehensive sizing chart showing conductor compatibility, stud sizes, and physical dimensions for the CAUBT range.

CAUBT300-10	300	75	22	30	30	M10	90	-
CAUBT300-14		76.5	22	30	35	M14	90	-

Detailed measurements for high-capacity 300mm² CAUBT models with M10 and M14 stud options.

Product Specifications Table

Type	Conductor Size (mm ²)	Stud Size	L (mm)	d (mm)	D (mm)
CAUBT35-10	35	M10	58.5	8	16
CAUBT50-10	50	M10	58.5	9	16
CAUBT70-10	70	M10	58.5	11	20
CAUBT95-10	95	M10	58.5	12.5	20
CAUBT120-12	120	M12	62	13.7	20
CAUBT150-12	150	M12	68	15.5	27
CAUBT185-12	185	M12	74	17	27
CAUBT240-12	240	M12	74	19.5	27
CAUBT300-10	300	M10	90	22	30
CAUBT300-14	300	M14	90	22	30

Installation

Crimping Die Reference

Hexagonal crimping die E173 applicable for sizes 70mm² to 120mm².

Logistics

Standard Packaging

120 to 300 pieces per pack depending on lug size.