

sofamel

Product Technical Specifications

Mod. TTG

Shear head bolt cable lug



Functionality

Bimetallic cable lug for connections of **LOW** and **MEDIUM VOLTAGE** circuits. They are used in a wide range of sections, both for flexible and rigid copper cables in underground distribution networks.

These terminals must be crimped using **SHEAR HEAD BOLT**, these screws are designed so that the nut breaks according to the conductor section, being perfectly flush with the connector.

Product features

Manufactured by **HIGH CONDUCTIVITY ALUMINUM** casting with a purity equal to or greater than 99.5% with a tinned surface finish of 15 μ thickness to improve electrical contact and prevent oxidation.

These terminals are suitable for indoor and outdoor installations as long as any possible water inlet is sealed by tape or heat shrink, as could be the inspection hole and / or the remaining separation between terminal and cable once crimped.



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The Sofamel terminals are marked with the Sofamel logo, the driver's section and ØT.

The sections of this product can go from **50 to 400 mm²**, and the blade drill can be **8, 10, 12 and 16 mm**.

Raw Material Features

ALUMINUM

Aluminum type: **High purity aluminum (99.5% or higher)**.

Alloy: **1050**.

Surface treatment: **tin bath 15µ thick**.

Electrical Features

CLASS A cable lug:

Connectors intended for the distribution of electricity or industrial networks, where they may be subjected to short circuits of relatively high intensity and duration. As a result, they adapt to most applications.

Instructions

- 1.- Select the terminal to be installed according to the section of the conductor to be connected.
- 2.- Remove the cable insulation in the length specified and brush the driver.
- 3.- Insert the driver completely in the terminal.
- 4.- Screw the screws starting with screw T1 and continue on T2 until the head breaks screw fuse.

Ref.	Sec. (mm ²)	Par. Min. (Nm) Min. Torque (Nm) Couple Min. (Nm)	Long. desform. Strip length Long. desrodeaje (mm)		
TTG-50/8* TTG-50/10* TTG-50/12*	25-50	20 $\begin{smallmatrix} -0 \\ +5 \end{smallmatrix}$	35	1 x M12	12
TTG-95/8* TTG-95/10* TTG-95/12*	50-95	20 $\begin{smallmatrix} -0 \\ +5 \end{smallmatrix}$	35	1 x M12	12
TTG-150/10* TTG-150/12*	95-150	23 $\begin{smallmatrix} -0 \\ +5 \end{smallmatrix}$	60	2 x M17	17
TTG-240/10* TTG-240/12*	95-240	28 $\begin{smallmatrix} -0 \\ +5 \end{smallmatrix}$	60	2 x M17	17
TTG-400/12 TTG-400/16	240-400	50 $\begin{smallmatrix} -0 \\ +5 \end{smallmatrix}$	75	2 x M22	22

* They have the **AENOR** certificate 

Certified

According to the Standards:

UNE 211024-3

IEC 61238-1

