

# sofamel

Product Technical Specifications

## Mod. TTGA

Insulated terminals with shear head bolts

### 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 $\mu$  thickness to improve electrical contact and prevent oxidation.

They have an insulating cover and rings of different colors to differentiate the phases.

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.



## Mod. TTGA

### Insulated terminals with shear head bolts

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 240 mm<sup>2</sup>**, and the blade drill can be **8, 10 and 12 mm**.

### Raw Material Features

#### ALUMINUM

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

Alloy: **1050**.

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

#### COVER

Cover type: **Insulating cover with high dielectric strength**.

### 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.- Place the identification ring corresponding to the connection phase.
- 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 the screw and continue through the screw until the fusible head is broken of the screws.
- 5.- Turn the insulation cover 180° to the brand alignment.
- 6.- Insert the terminal blade into the fixing screw on the plate to be connected.

Ref.	Sec. (mm <sup>2</sup> )	T1/T2		T3		Long. desforre Strip length Long. desnudaje (mm)	Par (Nm) Torque (Nm) Couple (Nm)
							
TTGA-50/8	25 - 50	1xM12	12	8	13	35	20/0+5
TTGA-50/10				10	17		
TTGA-50/12				12	19		
TTGA-95/8	50 - 95	1xM12	12	8	13	35	20/0+5
TTGA-95/10				10	17		
TTGA-95/12				12	19		
TTGA-150-10	95 - 150	2xM17	17	10	17	60	23/0+5
TTGA-150-12				12	19		
TTGA-240/10	150 - 240	2xM17	17	10	17	60	28/0+5
TTGA-240/12				12	19		

They have the **AENOR** certificate 

### Certified

According to the Standards:

**UNE 211022**

**IEC 61238-1**

