

# PRODUCT DATA SHEET

## Lightning protection systems

### Equipotential bonding components

**Code: 6225441-71**

**Description: Tin plated copper alloy end clamp for Ø8mm conductor, code 6225441-71**

#### Application

Clamp, for connecting solid round or stranded conductor to metallic surfaces. Used in air termination system, down conductor system, earthing system.



#### Classification as per IEC EN 62561

- Heavy duty (H - 100 kA)
- General use
- Not intended to withstand a static mechanical load
- Non-permanent connection

#### Technical characteristics - Installation instructions

Material	Body: Tin plated copper (Cu/eSn). / Screw terminal: Tin plated copper alloy (Cu-A/eSn).
Description	Is consisted of a copper body which bonds to the metallic surface, a copper alloy special design screw terminal M10x20 mm and base for the screw terminal which clamps the conductor and a stainless steel M10 nut.
Connection to metallic surface	Through one screw (M10) or two screws (M8 or M10), not included.
Conductor's dimensions	Ø8 mm (50 mm <sup>2</sup> ).
Connection arrangements	Parallel to metal installation (B5). / "T" to metal installation (B6).
Installation	Above ground, buried in ground, embedded in concrete.

Can be connected above ground with	Conductors made from Cu, Cu/eSn, Stainless Steel (SSt), St/eCu, St/tZn & metallic surfaces made from Cu, Stainless Steel (SSt), St/tZn connection to other metallic surfaces (e.g Al) should be performed through bimetallic contact in order to avoid any electrochemical corrosion.
Can be connected buried in ground with	Cu, Cu/eSn, Stainless Steel (SSt), St/eCu.
Can be connected in concrete with	Cu, Cu/eSn, Stainless Steel (SSt), St/eCu, St/tZn.
Tightening torque	17 Nm.

### Testing as per IEC EN 62561

The component has successfully passed the testing requirements of standard IEC EN 62561-1 "Lightning protection system components (LPSC) – Part 1 : Requirements for connection components". Test report No **31005-I** by accredited laboratory as per ISO 17025.

### ELEMKO management systems

- ISO 9001
- ISO 14001
- ISO 45001

### Country of Origin

Greece

### Unit: piece / Package: 50 pieces

We reserve the right to introduce changes in the component due to technical evolution.