

## PRODUCT DATA SHEET

### LIGHTNING PROTECTION AND EARTHING SYSTEM COMPONENTS

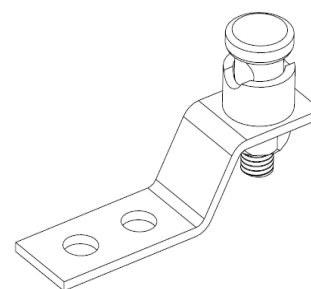
**Code: 62 25 442 (copper alloy clamp) / 62 25 443 (tin plated copper alloy clamp)**
**ed.02/2021**
**Description: End clamp**
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#### Application

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

- Normal duty (N – 50 kA)
- General use
- Not intended to withstand a static mechanical load
- Non-permanent connection



#### Technical characteristics

Material	Body: Copper (Cu) and/or tin plated copper (Cu/eSn) Screw terminal: Copper alloy (Cu-A) and/or 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 M10x25 mm and base for the screw terminal which clamps the conductor and a stainless steel M10 nut.
Connection to metallic surface	Through two screws M8 or M10 (not included);

#### Installation instructions

Conductor's dimensions	16 – 35 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 & metallic surfaces made from Cu, Stainless Steel (SSt), connection to other metallic surfaces (e.g Al, St/tZn) 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

#### Comply with

The component complies with standard IEC EN 62561-1 "Lightning protection system components (LPSC) – Part 1 : Requirements for connection components".

#### Manufacturing Quality Control

Manufacturing quality control according standard ISO 9001

#### Country of Origin

Greece

#### Optional accessories

Bimetallic contact, ELEMKO code 65 10 100

#### Unit: piece / Package: 50 pieces

See following typical application of the clamp.

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

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Metal installation

