

## PRODUCT DATA SHEET

### LIGHTNING PROTECTION AND EARTHING SYSTEM COMPONENTS

**Code: 63 21 715**
**ed.02/2021**
**Description: External threaded earth rod 3/4" nominal diameter 1500mm length**
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#### Application

Electrolytically copper plated steel (St/eCu) earth rod used in earthing system.

#### Technical characteristics

Diameter	3/4" (20mm) thread, Ø17,2 mm shank
Length	1500 mm
Core material	Steel
Coating material	Copper
Coating thickness	>250 µm
Type of coating method	Electrolytic (molecularly bonded onto the steel core)
Electrical resistivity	<0,25 µΩm
Tensile strength	350 – 770 N/mm <sup>2</sup>

#### Installation instructions

Installation	Driven into ground by hammer or vibration hammer <sup>1)</sup> , embedded in concrete
Extension	Both ends external threaded (3/4") to be extended vertically by copper alloy coupler (ELEMKO code 6330017 – not included)
Can be connected buried in ground with	Cu, Cu-A (copper alloy), Cu/eSn, SSt (Stainless Steel), St/eCu
Can be connected in concrete with	Cu, Cu-A (copper alloy), Cu/eSn, SSt (Stainless Steel), St/eCu, St/tZn
Connection to conductor	By clamp or exothermic welding (For the protection of the connection against corrosion use earth pit, e.g 6009021).



#### Testing as per IEC EN 62561

The component has successfully passed the testing requirements of standard IEC EN 62561-2 "Lightning protection system components (LPSC) – Part 2 : Requirements for conductors and earth electrodes".  
Test reports No **30705, 31501 & 31506** by accredited laboratory as per ISO 17025

#### Manufacturing Quality Control

Manufacturing quality control according standard ISO 9001

#### Country of Origin

Greece

#### Optional accessories

Copper alloy coupler, ELEMKO code 6330017

Driving stud, ELEMKO code 6340017

#### Unit: piece / Package: 5 pieces

See below typical application of the earth rod

<sup>1)</sup> Required driving stud, ELEMKO code 6340017, see relevant data sheet

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

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