

PRODUCT DATA SHEET

LIGHTNING PROTECTION AND EARTHING SYSTEM COMPONENTS

Code: 63 21 412

ed.02/2021

Description: External threaded earth rod 5/8" nominal diameter 1200mm length

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Application

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

Technical characteristics

Diameter	5/8" (16mm) thread, Ø14,2 mm shank
Length	1200 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 ²



Installation instructions

Installation	Driven into ground by hammer or vibration hammer ¹⁾ , embedded in concrete
Extension	Both ends external threaded (5/8") to be extended vertically by copper alloy coupler (ELEMKO code 6330014 – 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 **30704, 31500 & 31505** 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 6330014

Driving stud, ELEMKO code 6340014

Unit: piece / Package: 5 pieces

See below typical application of the earth rod

¹⁾ Required driving stud, ELEMKO code 6340014, see relevant data sheet

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

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