

Copper-bonded earth rods and accessories

Available in July 2015



DEHN copper-bonded steel earth rods combine the advantages of steel strength for deep driving along with corrosion resistance from the molecularly bonded copper.

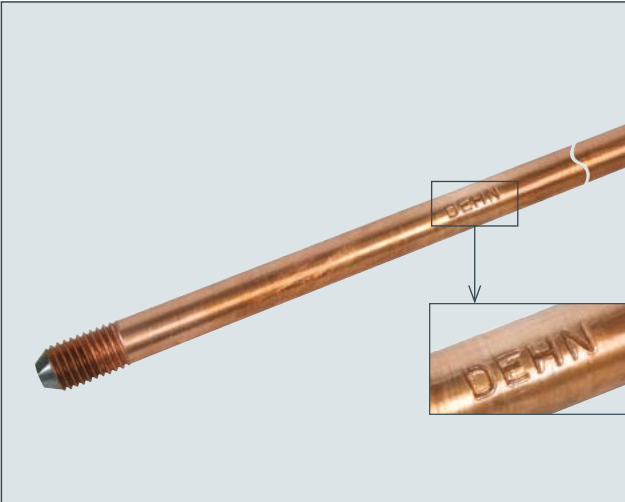
The rods are manufactured from low carbon, high tensile steel with a 99.9 % pure electrolytic copper thickness of 250 microns. Thread rolling after plating preserves the copper thickness ensuring corrosion resistance across the threads. Threads comply with ANSI/ASME B1.1-2003*.

By specifying UL listed earth rods you ensure full compliance to the standard UL 467**. Only products bearing the UL listing mark are covered by UL's listing and follow-up service***.

Extensible earth rods are coupled using threaded, easy to use brass couplings. Connections can be made by using bolted clamps or exothermic welding process.



Copper-bond earth rods




Type description	Part No.	Thread size	Rod diameter	Earth rod length	UL
ER 14.2 1200 5/8" ST CU	614 120	5/8" UNC-2A	14.2 mm	1200 mm	No
ER 14.2 1500 5/8" ST CU	614 150	5/8" UNC-2A	14.2 mm	1500 mm	No
ER 14.2 2400 5/8" ST CU	614 240	5/8" UNC-2A	14.2 mm	2400 mm	Yes
ER 14.2 3000 5/8" ST CU	614 300	5/8" UNC-2A	14.2 mm	3000 mm	Yes

Type description	Part No.	Thread size	Rod diameter	Earth rod length	UL
ER 17.2 1500 3/4" ST CU	617 150	3/4" UNC-2A	17.2 mm	1500 mm	No
ER 17.2 2400 3/4" ST CU	617 240	3/4" UNC-2A	17.2 mm	2400 mm	Yes
ER 17.2 3000 3/4" ST CU	617 300	3/4" UNC-2A	17.2 mm	3000 mm	Yes

Couplings

A Model


Coupling round version, with knurling.



Type description	Part No.	Thread size	Length	Material
ER Coupling 5/8" 70 R BR	610 058	5/8" UNC-2A	70 mm	Brass
ER Coupling 3/4" 80 R BR	610 034	3/4" UNC-2A	80 mm	Brass

B Model

Coupling hexagonal version.



Type description	Part No.	Thread size	Length	Material
ER Coupling 5/8" 60 H BR	610 158	5/8" UNC-2A	60 mm	Brass
ER Coupling 3/4" 60 H BR	610 134	3/4" UNC-2A	60 mm	Brass

* ANSI/ASME B1.1-2003: Unified Inch Screw Threads (UN and UNR Thread Form)
 ** UL 467: Grounding and Bonding Equipment, 10th edition, 2013
 *** UL and the UL logo are trademarks of Underwriters Laboratories Inc.

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Driving stud

A Model

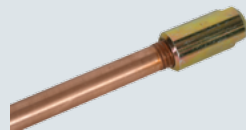
Earth rod driving stud.



Type description	Part No.	Thread size	Material
ER DS 5/8" ST	610 258	5/8" UNC-2A	Steel
ER DS 3/4" ST	610 234	3/4" UNC-2A	Steel

B Model

Earth rod driving head/cap.



Type description	Part No.	Thread size	Length	Material
ER DH 5/8" 58 ST	610 358	5/8" UNC-2A	58 mm	Steel
ER DH 3/4" 60 ST	610 334	3/4" UNC-2A	60 mm	Steel

Connection clamps

A Model

Earth rod to cable or solid circular conductor clamp.



Type description	Part No.	Conductor range	Rod diameter	Material
ER CC16-70 14.2 BR	610 070	16 – 70 mm ²	14.2 mm	Brass

B Model

"U" bolt rod clamp.
Universal clamp for round to flat conductors or use on re-bars.



Type description	Part No.	Conductor range	Rod diameter	Material
ER UC30x20 14.2-17.2 BR	610 030	max. 30 x 20 mm	14.2 – 17.2 mm	Brass

C Model

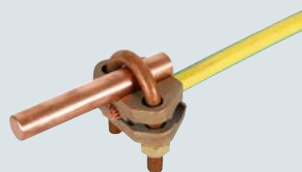
Earth rod to 25 x 3 mm tape conductor/strip.



Type description	Part No.	Conductor range	Rod diameter	Material
ER TC25x3 14.2-20 GM	610 025	25 x 3 mm	14.2 – 20 mm	Gunmetal

D Model

Earth rod to cable clamp.



Type description	Part No.	Conductor range	Rod diameter	Material
ER CC16-70 17.2-20 BR	610 071	16 – 70 mm ²	17.2 – 20 mm	Brass
ER CC70-185 17.2-20 BR	610 185	70 – 185 mm ²	17.2 – 20 mm	Brass

Earth Rod Inspection Pits

A Model

Concrete earth inspection pit with steel lid.



Type description	Part No.	Dimensions	Weight	Material
ER INSPIT 320 200 CL	610 320	320 x 320 x 200	30.5 kg	Concrete