

COPPER BONDED GROUNDING ROD



HEX copper bonded earth rods are made from low Carbon Steel as per IS 2062 standard with high tensile strength material. Low carbon steel rods are molecularly bonded with 99.9% pure electrolytic copper.

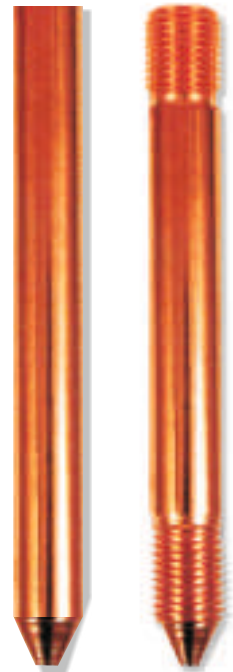
Salient Features :

- Perfectly bonded rod will last longer, drive easier and will not crack.
- Corrosion resistance while providing the lowest resistance to ground.
- Threads are formed by roll threading process, which ensure that an even copper coating is maintained, even at the root of the thread. Roll threads give greater strength than cut threads.
- Roll threading process raises the surface of the rod, so that thread diameter is greater than shank diameter.

Shank Diameter	Length		Copper Thk.		Thds.	Net kg/l	Product Code
	ft	mm	mil.	µm			
12.7 mm	6	1830	10	250	/	1.8	HBR - 183
12.7 mm	8	2440	10	254	/	2.4	HBR - 244 *
12.7 mm	10	3050	10	254	/	3.0	HBR - 305E *
12.7 mm	8	2440	10	254	1/2"	2.4	HBR - 244D *
12.7 mm	10	3050	10	254	1/2"	3.0	HBR - 305D *
14.2 mm	4	1220	10	250	/	1.5	HBR - 122
14.2 mm	5	1530	10	250	/	1.8	HBR - 153
14.2 mm	6	1830	10	250	/	2.2	HBR - 183
14.2 mm	8	2440	10	254	5/8"	3.0	HBR - 244 A *
14.2 mm	10	3050	10	254	5/8"	3.7	HBR - 305 *
14.2 mm	4	1220	10	250	5/8"	1.5	HBR - 122 A
14.2 mm	5	1530	10	250	5/8"	1.8	HBR - 153 A
14.2 mm	6	1830	10	250	5/8"	2.2	HBR - 183 A
14.2 mm	8	2440	10	254	/	3.0	HBR - 244 E *
14.2 mm	10	3050	10	254	/	3.7	HBR - 305 A *
17.2 mm	5	1530	10	250	/	2.7	HBR - 153 B
17.2 mm	6	1830	10	250	/	3.3	HBR - 183 B
17.2 mm	8	2440	10	254	/	4.4	HBR - 244 B *
17.2 mm	10	3050	10	254	/	5.5	HBR - 305 B *
17.2 mm	5	1530	10	250	3/4"	2.7	HBR - 153 C
17.2 mm	6	1830	10	250	3/4"	3.3	HBR - 183 C
17.2 mm	8	2440	10	254	3/4"	4.4	HBR - 244 C *
17.2 mm	10	3050	10	254	3/4"	5.5	HBR - 305 C *

Copper bonded grounding rods are also available with Internal Threading on order. Please refer solid copper grounding rod section for dimensional details.

* These are UL listed Grounding / Earthing Rods. As per UL 467 Standard, the Copper Bonding on UL listed Grounding / Earthing Rods will be min. 254 microns.



GROUNDING ROD CLAMPS



FOR DIRECT BURIAL WITH STAINLESS STEEL SCREW

Material	Size of Earthing Rod/Pipe	Product Code
Bronze	1/2"	HGC - 411
Bronze	5/8"	HGC - 412
Bronze	3/4"	HGC - 413

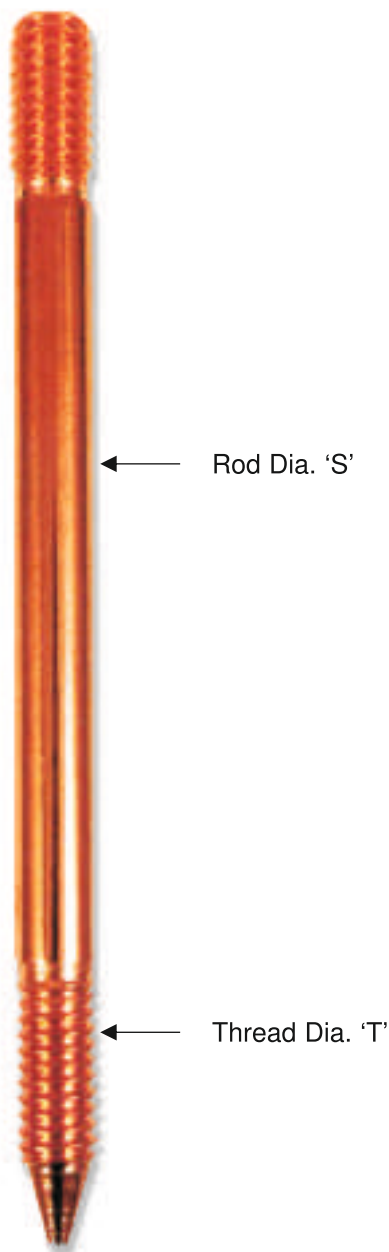


COPPER BONDED GROUNDING ROD

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Salient Features :

- Perfectly bonded rod will last longer, drive easier and will not crack.
- Corrosion resistant while providing the lowest resistance to ground.
- Threads are formed by roll threading process, which ensure that an even copper coating is maintained, even at the root of the thread. Roll threads give greater strength than cut threads.
- Roll threading process raises the surface of the rod, so that thread diameter (T) is greater than shank diameter (S).
- Copper Bonding Thickness - 25 Microns.



Dimensions Rod Size (Dia. X Length)	Shank Dia. 'S' in mm	Thread Dia. 'T' in mm	Product Code
9.5 X 1200	9.5	/	HBR - 012
9.5 x 1800	9.5	/	HBR - 018
14 x 1200	12	14	HBR - 1412
14 x 1500	12	14	HBR - 1415
14 x 1800	12	14	HBR - 1418
14 x 2000	12	14	HBR - 1420
14 x 2400	12	14	HBR - 1424
5/8" x 4' or 16 mm x 1200	14.2	5/8"	HBR - 112
5/8" x 5' or 16 mm x 1500	14.2	5/8"	HBR - 115
5/8" x 6' or 16 mm x 1800	14.2	5/8"	HBR - 118
5/8" x 8' or 16 mm x 2400	14.2	5/8"	HBR - 124
5/8" x 10' or 16 mm x 3000	14.2	5/8"	HBR - 130
5/8" x 4' or 16 mm x 1200	16	5/8"	HBR - 312
5/8" x 5' or 16 mm x 1500	16	5/8"	HBR - 315
5/8" x 6' or 16 mm x 1800	16	5/8"	HBR - 318
3/4" x 4' or 19 mm x 1200	17.2	3/4"	HBR - 212
3/4" x 5' or 19 mm x 1500	17.2	3/4"	HBR - 215
3/4" x 6' or 19 mm x 1800	17.2	3/4"	HBR - 218
3/4" x 8' or 19 mm x 2400	17.2	3/4"	HBR - 224
3/4" x 10' or 19 mm x 3000	17.2	3/4"	HBR - 230

- Copper Bonding thickness available above 25 Microns on request.
- HEX also offers other sizes as per customer specification.

GROUNDING ROD/ACCESSORIES - THREADED RODS

COUPLER

Material : Copper Alloys

Couplers are counter bored to completely enclose the threads & protect from damage and corrosion.

Size mm	Product Code	Product Code	Product Code
	Brass	Al. Bronze	Gunmetal
14	HEC - 14	HEC - 15	HEC - 15G
16 or 5/8"	HEC - 16	HEC - 17	HEC - 17G
19 or 3/4"	HEC - 19	HEC - 20	HEC - 20G

DRIVING STUD

Material : High Tensile Steel

These are used to drive the grounding Rod in to the Ground.

Size	Product Code
14 mm	HDS - 14
5/8" or 16 mm	HDS - 16
3/4" or 19 mm	HDS - 19
1/2"	HDS - 12

ALLENKEY Type hardened Driving Stud available on request.

SOLID COPPER GROUNDING ROD INTERNALLY THREADED



HEX solid Copper earth rods are made from 99.9% pure electrolytic copper. Solid Copper rods offers greater resistance to corrosion. They are ideally used in applications where soil conditions are very aggressive, for eg. soil with high salt content.

Rod Dia. in mm	Length	Product Code
15	1200 mm or 4'	HSC - 512
15	1500 mm or 5'	HSC - 515
20	1200 mm or 4'	HSC - 520
20	1500 mm or 5'	HSC - 521
20	2540 mm Or 10'	HSC - 1021 *

* These are UL listed Grounding / Earthing Rods as per UL 467 Standard.

SOLID COPPER GROUNDING ROD - ACCESSORIES

Size	Item	Product Code
15 mm	Driving Head	HDH - 15
20 mm	Driving Head	HDH - 20
15 mm	Coupling Dowel	HCH - 15
20 mm	Coupling Dowel	HCH - 20
15 mm	Driving Tip	HDT - 15
20 mm	Driving Tip	HDT - 20

SOLID COPPER GROUNDING ROD EXTERNALLY THREADED

Thread Size 'T' in mm	Length in mm	Product Code
14	1200	HBRS - 1412
14	1500	HBRS - 1415
5/8"	1200	HBRS - 112
5/8"	1500	HBRS - 115
3/4"	1200	HBRS - 212
3/4"	1500	HBRS - 215

- Same accessories of copper bonded grounding rods are applicable.
- HEX also offers other sizes as per customer specification.

