



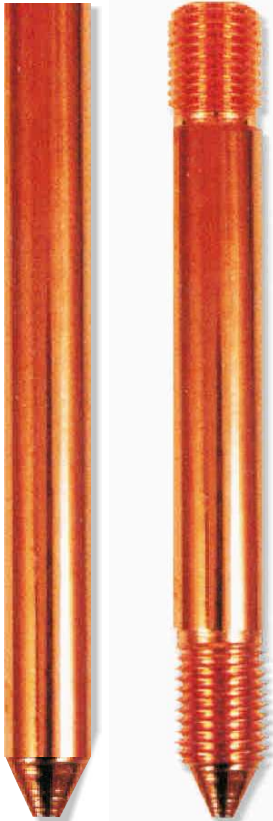
## COPPER BONDED GROUNDING RODS

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.

Our 254 microns copper bonded earth rods of 14.2 mm dia. & 17.2 mm dia. are compliant as per IEC 62561-2.

### 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 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 - 183D
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 *
25.0 mm	10	3050	10	254	/	12.0	HBR - 2530
32.0 mm	10	3050	10	254	/	19.6	HBR - 3230

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

HEX copper bonded earth rods are made from high tensile, low carbon steel as per IS 2062. These 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 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 Size 'T'	Product Code
9.5 X 1200 mm	9.5	/	HBR - 012
9.5 x 1800 mm	9.5	/	HBR - 018
14 x 1200 mm	12	M14	HBR - 1412
14 x 1500 mm	12	M14	HBR - 1415
14 x 1800 mm	12	M14	HBR - 1418
14 x 2000 mm	12	M14	HBR - 1420
14 x 2400 mm	12	M14	HBR - 1424
5/8" x 4' or 16 mm x 1200 mm	14.2	5/8"	HBR - 112
5/8" x 5' or 16 mm x 1500 mm	14.2	5/8"	HBR - 115
5/8" x 6' or 16 mm x 1800 mm	14.2	5/8"	HBR - 118
5/8" x 8' or 16 mm x 2400 mm	14.2	5/8"	HBR - 124
5/8" x 10' or 16 mm x 3000 mm	14.2	5/8"	HBR - 130
5/8" x 4' or 16 mm x 1200 mm	16	5/8"	HBR - 312
5/8" x 5' or 16 mm x 1500 mm	16	5/8"	HBR - 315
5/8" x 6' or 16 mm x 1800 mm	16	5/8"	HBR - 318
3/4" x 4' or 19 mm x 1200 mm	17.2	3/4"	HBR - 212
3/4" x 5' or 19 mm x 1500 mm	17.2	3/4"	HBR - 215
3/4" x 6' or 19 mm x 1800 mm	17.2	3/4"	HBR - 218
3/4" x 8' or 19 mm x 2400 mm	17.2	3/4"	HBR - 224
3/4" x 10' or 19 mm x 3000 mm	17.2	3/4"	HBR - 230

- Copper Bonding thickness available above 25 Microns on request. Prod. Code of such item will be addition of Microns in Bracket. Ex. 'HBR-215 (250)' means HBR-215 with Copper Bonding thickness of 250 Microns.
- HEX also offers other sizes as per customer specification.

## GROUNDING ROD/ACCESSORIES - THREADED RODS

### COUPLER

Material : Copper Alloy

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

Size mm	Product Code Brass	Product Code Al. Bronze	Product Code 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

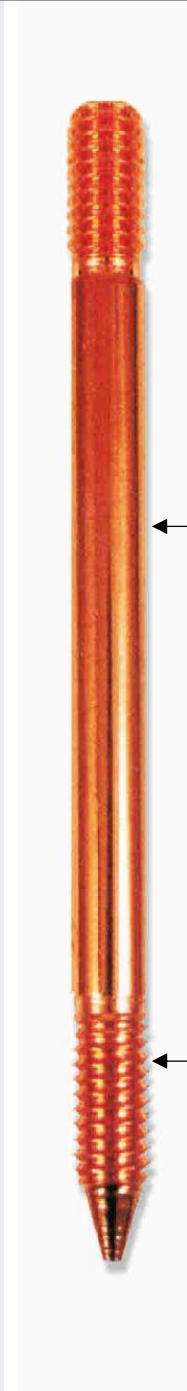
### DRIVING STUD

Material : High Tensile Steel

These are used to drive the grounding Rod into 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.



← Rod Dia. 'S'

← Thread Dia. 'T'

