

## Copper Bonded Grounding Rods

RADI – Copper Bonded Grounding Rods are manufactured from low carbon steel conforming to BS 970 and/or AISI 1018 with a high tensile strength of at least 600N/mm<sup>2</sup>. Low carbon steel core are molecularly bonded with 99.9% purity electrolytic copper.

This product is highly resistant to corrosion and due to the high tensile strength of the rod, it can be driven by power hammer into the ground to great depths.

### Product Specific Features

- Perfectly molecularly bonded rod will last much longer, provide ease in driving into the ground and will not crack
- High corrosion resistance while providing the lowest resistance to grounding
- The threads are rolled by roll threading process, thus ensuring that an even copper covering is achieved and maintained, even at the root of the thread. Roll thread provides greater strength than cut thread when under stressed.
- The thread rolling process raised the surface of the rod thus providing a slightly bigger diameter at the threaded section compared to the OD of surface the rod, thus increasing the stress level at the joint.

### Product Dimensions

| Dimension of Rod Size (Diameter x Length) | Actual Rod Diameter | Thread Diameter | Catalogue Order Number |
|---|---------------------|-----------------|------------------------|
| 9.5 x 1200 mm (Unthreaded)                | 9.5 mm              | N/a             | RADI CR-U/1200         |
| 9.5 x 1800 mm (Unthreaded)                | 9.5 mm              | N/a             | RADI CR-U/1800         |
| 14.0 x 1200 mm                            | 12.0 mm             | 14 mm           | RADI CR-0/1200         |
| 14.0 x 1500 mm                            | 12.0 mm             | 14 mm           | RADI CR-0/1500         |
| 14.0 x 1800 mm                            | 12.0 mm             | 14 mm           | RADI CR-0/1800         |
| 14.0 x 2000 mm                            | 12.0 mm             | 14 mm           | RADI CR-0/2000         |
| 14.0 x 2400 mm                            | 12.0 mm             | 14 mm           | RADI CR-0/2400         |
| 5/8" x 4' or 16.0 x 1200 mm               | 14.2 mm             | 5/8"            | RADI CR-1/1200         |
| 5/8" x 5' or 16.0 x 1500 mm               | 14.2 mm             | 5/8"            | RADI CR-1/1500         |
| 5/8" x 6' or 16.0 x 1800 mm               | 14.2 mm             | 5/8"            | RADI CR-1/1800         |
| 5/8" x 8' or 16.0 x 2400 mm               | 14.2 mm             | 5/8"            | RADI CR-1/2400         |
| 5/8" x 10' or 16.0 x 3000 mm              | 14.2 mm             | 5/8"            | RADI CR-1/3000         |
| 5/8" x 4' or 16.0 x 1200 mm               | 16.0 mm             | 5/8"            | RADI CR-2/1200         |
| 5/8" x 5' or 16.0 x 1500 mm               | 16.0 mm             | 5/8"            | RADI CR-2/1500         |
| 5/8" x 6' or 16.0 x 1800 mm               | 16.0 mm             | 5/8"            | RADI CR-2/1800         |
| 3/4" x 4' or 16.0 x 1200 mm               | 17.2 mm             | 3/4"            | RADI CR-3/1200         |
| 3/4" x 5' or 16.0 x 1500 mm               | 17.2 mm             | 3/4"            | RADI CR-3/1500         |
| 3/4" x 8' or 16.0 x 2400 mm               | 17.2 mm             | 3/4"            | RADI CR-3/2400         |
| 3/4" x 10' or 16.0 x 3000 mm              | 17.2 mm             | 3/4"            | RADI CR-3/3000         |

RADI Copper Bonded Grounding Rods are independently test and certified to UL 467 Specification.

The above Rods can also be manufactured as per customer specifications and requirements.

