



## G.I. Chemical Earthing Electrode (Pipe in Pipe) Datasheet

### Introduction:

The G.I. Chemical Earthing Electrode (Pipe in Pipe) is an innovative and reliable earthing solution designed to ensure safety and efficiency in electrical systems.

Its robust construction, featuring a galvanized iron pipe-in-pipe design, provides superior conductivity and long-term durability. This electrode is engineered to redirect excess current safely into the ground, protecting electrical appliances, sensitive equipment, and human lives from insulation failures, power surges, and accidental short circuits.

Ideal for diverse applications across power stations, telecom industries, substations, and more, this cost-effective solution combines advanced technology with easy installation, making it a trusted choice for both industrial and residential setups.

### Sizes:

Diameter (mm)	Length (mtr)	Thickness (mm)
48	1	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
48	2	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
48	3	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
58	1	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
58	2	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
58	3	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
65	1	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
65	2	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
65	3	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
88	1	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
88	2	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm

88	3	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
100	1	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
100	2	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
100	3	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
125	1	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
125	2	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
125	3	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
150	1	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
150	2	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm
150	3	1 mm, 1.5 mm, 2 mm, 2.5 mm, 3.3 mm

### Specifications:

- **Material:** Galvanized Iron (G.I.)
- **Design:** Pipe-in-Pipe structure for enhanced performance.
- **Corrosion Resistance:** Special anti-corrosion coating for extended life.
- **High Conductivity:** Ensures effective current dissipation.

### Applications:

- **Power Stations:** Ensures safe operation of high-capacity systems.
- **Transmission Lines:** Safeguards against faults and interruptions.
- **Lightning Protection Systems:** Mitigates lightning damage risks.
- **Telecom Industries:** Maintains equipment stability and uptime.
- **Railway Signaling:** Provides reliable signaling operation.
- **CNC Machines:** Protects high-precision equipment from electrical surges.
- **Data Centers:** Ensures operational continuity.
- **Substations:** Delivers robust safety in high-voltage environments.

### Advantages:

- Protects appliances and humans from electrical faults.
- Reduces power surges and prevents system failures.
- Minimizes maintenance and repair costs.
- Enhances the longevity of connected electrical devices.

- Ensures compliance with safety standards.

## **Vivek Earthing Pvt. Ltd. An ISO 9001 - 2015 Certified Company**

This datasheet provides detailed information about the **G.I. Chemical Earthing Electrode (Pipe in Pipe)** in various sizes, ensuring all relevant technical and application-specific details are covered for users and installers.