



Manufacturer of
Earthing Electrodes
Lightning Arresters



Fine Earthings

About Fine Earthings

Our pure copper electrode is made of 99.9% pure electrolytic copper that has high corrosion resistance. It is utilized for applications that require high conductivity and corrosion resistance.



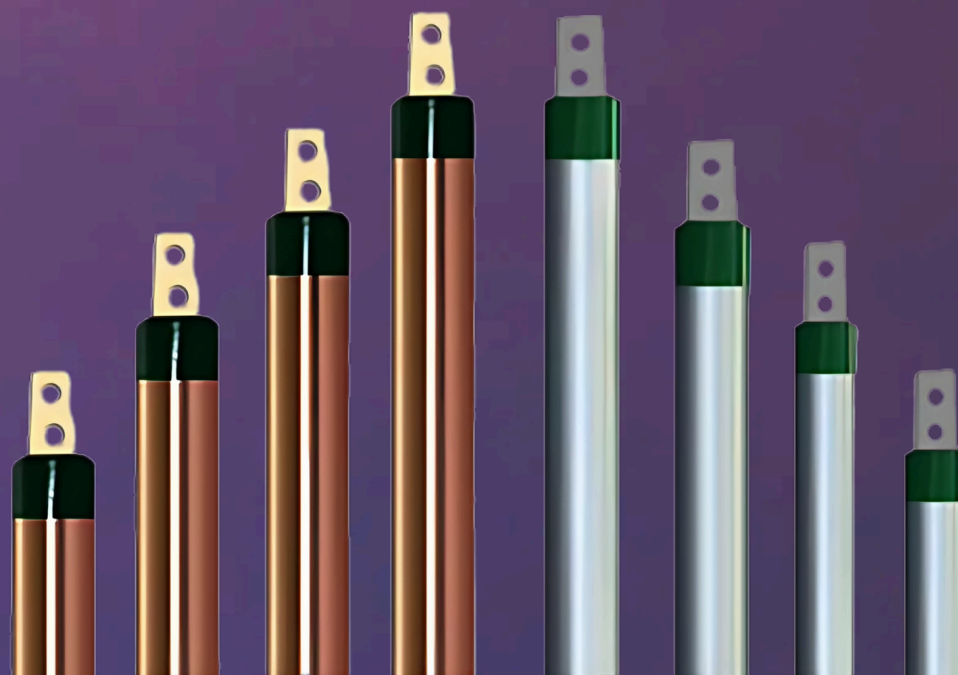
2 Lakh +

Earthing Electrodes
deployed



2000+

Lightning Arresters
Installed



Earthing Electrodes

Earthing Electrodes are metal rods or plates buried in the ground to safely conduct electricity from electrical system or equipment into the earth. This helps protect people and equipment from electrical shocks or damage by providing a direct path for any stray electricity to go into the ground.

Chemical Earthing
① GI
② Pipe N Pipe
③ Pure Copper
④ Copper Bonded

Conventional Earthing
① Plate Earthing
② Pipe Earthing
③ Mat Earthing

GI Earthing Electrode



Model	Length (Mtr)	Outer Pipe Diameter (mm)
FEGIEE 40	1, 1.5, 2 & 3	40
FEGIEE 50	1, 1.5, 2 & 3	50
FEGIEE 80	1, 1.5, 2 & 3	80

GI Pipe in Pipe Earthing Electrode



Model	Length (Mtr)	Inner Pipe	Outer Pipe Diameter (mm)
FEGIPP 50	1, 1.5, 2 & 3	25 mm	50
FEGIPP 80	1, 1.5, 2 & 3	42 mm	80

Pure Copper Earthing Electrode



Model	Length (Mtr)	Outer Pipe Diameter (mm)
FEPCEE 40	1, 1.5, 2 & 3	40
FEPCEE 50	1, 1.5, 2 & 3	50
FEPCEE 80	1, 1.5, 2 & 3	80



GI Earthing Electrode

Model	Length (Mtr)	Outer Pipe Diameter (mm)
FEGIEE 40	1, 1.5, 2 & 3	40
FEGIEE 50	1, 1.5, 2 & 3	50
FEGIEE 80	1, 1.5, 2 & 3	80



Pure Copper Earthing Electrode

Model	Length (Mtr)	Outer Pipe Diameter (mm)
FEPCEE 40	1, 1.5, 2 & 3	40
FEPCEE 50	1, 1.5, 2 & 3	50
FEPCEE 80	1, 1.5, 2 & 3	80



GI Pipe in Pipe Earthing Electrode

Model	Length (Mtr)	Inner Pipe	Outer Pipe Diameter (mm)
FEGIPP 50	1, 1.5, 2 & 3	25 mm	50
FEGIPP 80	1, 1.5, 2 & 3	42 mm	80

Copper Bonded Earthing Rod



Model	Length (Mtr)	Outer Pipe Diameter (mm)
FECBEE 12	1 & 1.2	12 mm
FECBEE 14	1, 1.5, 2 & 3	14 mm
FECBEE 17	1, 1.5, 2 & 3	17 mm
FECBEE 20	1.5, 2 & 3	20 mm
FECBEE 25	1.5, 2 & 3	25 mm
FECBEE 32	2 & 3	32 mm

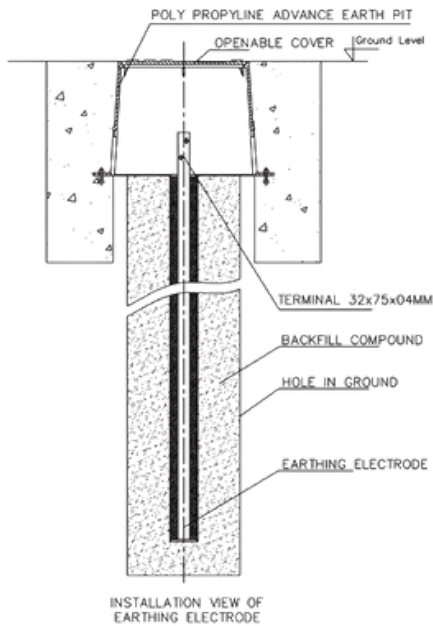
Earthing Pit Cover

At Top	15 cm (150 mm)
At Bottom	24 cm (240 mm)
Height	10.25 inches (260 mm)

Moisture Backup

Model	Quantity
FEBFC 10	10 KG
FEBFC 15	15 KG
FEBFC 20	20 KG
FEBFC 25	25 KG





Installation of an earthing electrode system

It includes a polypropylene advanced earth pit with an openable cover at ground level. The system comprises a terminal measuring 32x75x04mm, a backfill compound, and a hole in the ground where the earthing electrode is placed. The backfill compound surrounds the electrode, enhancing conductivity and ensuring effective earthing. This setup is designed to provide efficient and durable earthing for electrical safety, protecting equipment and personnel from potential electrical faults.

Megger test for earthing

1 What is a Megger?

A Megger, also known as a megohmmeter, is a portable instrument that measures high electrical and insulation resistance. It works by passing high voltage into the system and measuring the resistance.

2 What is a Megger test?

A Megger test uses an insulation tester resistance meter to verify the condition of an electrical system's insulation.

3 How to perform a Megger test for earthing?

To test the earthing of an electrical system with a Megger, you can use a Megger earth clamp-on tester to clamp around the electrode and take a measurement.

4 How does insulation resistance degrade?

The quality of an electrical system's insulation resistance can degrade over time, and can be affected by environmental conditions like temperature, humidity, moisture, and dust particles.



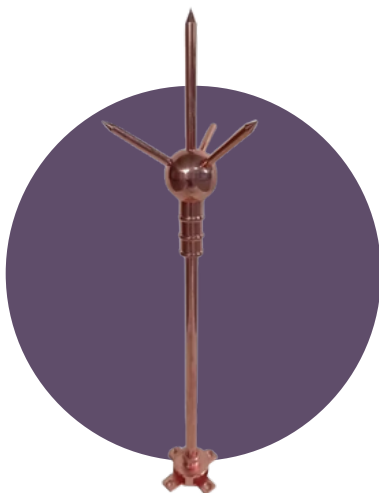
Lightning Arrester

A lightning arrester is a device installed on building or electrical equipments to protect properties from lighting strikes. It works by safely diverting the electrical energy of the lightning strike into the ground, preventing damage to the structure or equipment.



ESE Lightning Arrester (Early Streamer Emission)

ESE (Early Streamer Emission) Lightning Arrester is also known as Air Terminal or Ionizing. Lightning Rod is cutting-edge external lightning protecting system, and it is a safe and reliable solution to prevent direct lightning strikes on your building premises or solar installations.



Conventional Lightning Arrester

A conventional lightning arrester works as a conductor which is mounted on the top of a tower / building and is connected to the ground via earthing strips and or through a wire, to protect the building or a tower at the time of sky lightning.

Our Clients

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 GRAND	 Anugraha VALVE CASTINGS LIMITED	 SAM TURBO INDUSTRY PRIVATE LIMITED	 CONTROL Since 1980
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