

Low Impedance Electrolytic Electrode

INTRODUCTION

Low Impedance Electrolytic Electrode (LIEE) can provide a low-impedance ground where the soil resistivity is high and very limited space.

LIEE can dissipate lightning energy and other dangerous electrical fault currents very effectively even in rocky or sandy soil conditions.

SPECIAL FEATURES

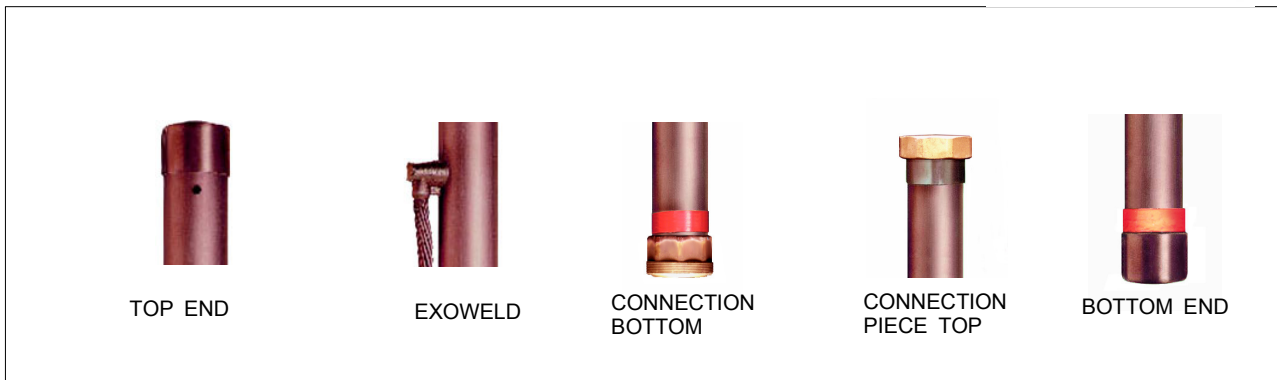
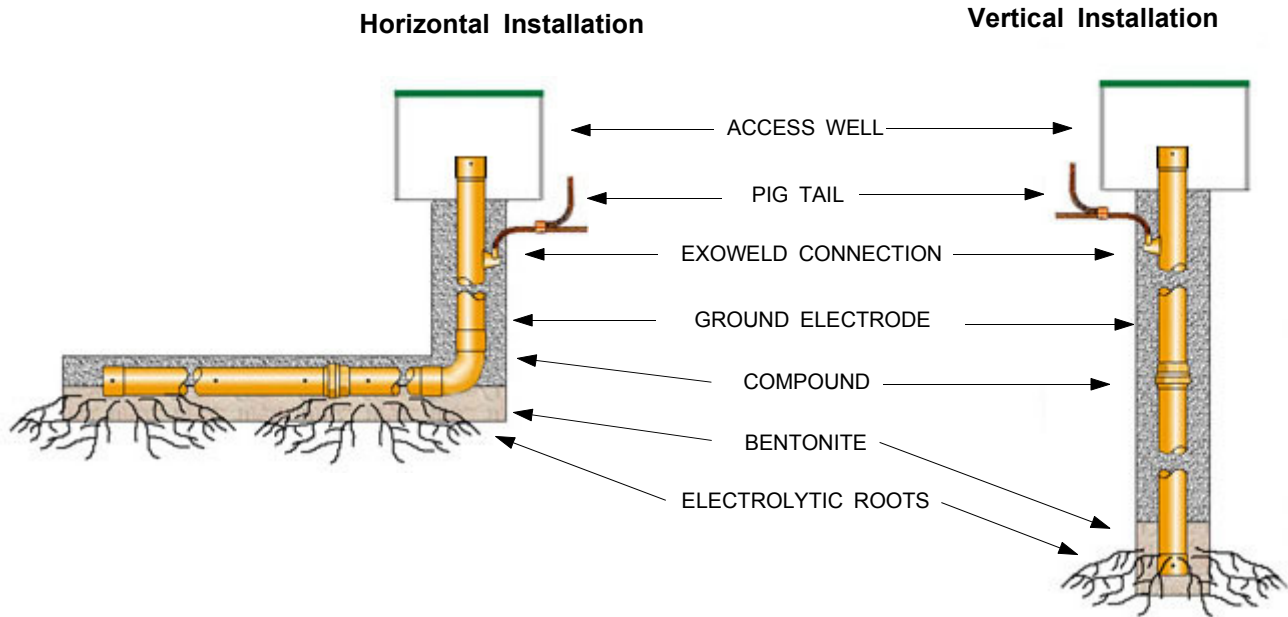
- Gives lowest impedance path to earth even impulsive current induced.
- Rugged construction using hard-drawn Type K copper with exothermic welding and superior backfill powder
- Provides minimum 30 years dependable service period.
- Available standard 3 m in length and can be extended using 3m sections for longer rods.
- Stable earth resistance through seasonal changes.

Recommended Applications

- Power generation and substation grounding
- Petrochemical facilities grounding
- Telecommunication grounding
- Military facilities grounding
- Institution facilities grounding
- Medical facilities grounding
- Railways
- Aviation facilities grounding
- General industrial facilities grounding



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ORDERING INFORMATION

LIEE can be ordered as a complete kit or as individual components and the kits consist of electrode (Pre-filled with electrolytic salts), backfill powder, bentonite.

Ordering Code Structure

H - 03 - U - 1 - 60 - K

- H** : Style Vertical or Horizontal or Extended
- 03** : Length of Electrode in meter (3m,6m,9m,12m,etc)
- U** : Pigtail Direction, Up or Down
- 1** : Pigtail Length in meter
- 60** : Conductor size of Pigtail (sqmm)
- K** : Kit or Bare for electrode only

Example :

V - 09 - U - 1 - 60 - K

Vertical, 9m,
Upward, 1m, 60 sqmm Pigtail,
Complete kit.

H - 06 - D - 2 - 60 - B

Horizontal, 6m,
Downward, 2m, 60 sqmm Pigtail,
Rod only.

Individual components

Bentonite	: 25 kg pack	Upper piece	: 3 m with thread coupling
Backfill powder	: 25 lbs pack	Mid piece	: 3 m with thread coupling
Electrolytic Salts	: 5 kg pack	Bottom Piece	: 3 m with thread coupling

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