# Drive-In Mag Anode

For low current requirement applications such as gas distribution risers, drive-in magnesium anodes are an economical choice. Anodes are manufactured from extruded magnesium rods, fitted with a special steel driving cap. The driving cap has been welded to the anode core with a #12 TW solid copper conductor wire attached by silver solder. The opposite end of the lead wire is soldered to a J-clip and hose clamp. A galvanized sheet metal contact screw pierces the pipe coating and provides connection to the structure. This connection will provide a positive, long-life contact. The wire connection at the anode is coated to prevent exposure of bare copper. The anode may be ordered without the clamp if desired.

**Features**

- Need only a hammer and screwdriver
- One man installation in minutes
- No digging or augering of hole
- Eliminates thermite welding

**Installation**

- Extend the coiled lead wire with clip out from anode.
- Select convenient location for the anode, a minimum of 18" from the service riser.
- Drive the anode with a hammer into the earth to approximate depth of 4-6 inches.
- Bury the anode lead wire from the anode to the riser at approximate 4-6 inch depth.
- Place the clamp around the riser 8-10 inches above ground level and securely tighten with a screwdriver.
- Tighten the set screw until it pierces the pipe coating and makes solid contact with the steel. Be certain the set screw head is fully secure against the J-clip speed nut.
- Coat the screw connection with Scotchkote electrical coating or similar coating.
- A pipe-to-soil potential measurement should be taken after connection to assure adequate cathodic protection is being achieved.

| Weight | Diameter | Length |
|---|---|---|
| 1/2 lb | 0.84 in | 12 in |
| 1 lb | 1.05 in | 17.5 in |