



Magnesium Drive-in Anode

Drive-in anode is made from an extruded magnesium rod assembled with a hexagonal nut, a threaded steel mounting clamp and 3 feet of #12 AWG TW solid wire.

The end of the anode is machined to a spike shape or a 45-degree clean cut for easy "drive -in" installation with no pre digging. A stainless-steel clamp is an optional addition for an easy connection method with the protected structure.

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APPLICATION

- ▶ Water / Gas Distribution Systems (Meter risers, Entrance Piping)
- ▶ Power transmission tower
- ▶ Other Buried Steel Structures



FEATURES

- ▶ No thermal welding
- ▶ No digging or augering of hole
- ▶ High installation efficiency

ELECTROCHEMICAL PROPERTIES

Anode Model	ASTM B843-M1C	ASTM B843-AZ63B
Open Circuit Potential (-V)	1.70~1.75	1.50~1.55
Close Circuit Potential (-V)	1.58~1.62	1.45~1.50
Current Capacity	500A.h/lbs (1100A.h/kg)	550A.h/lbs (1230A.h/kg)
Current Efficiency	50%	55%
Reference Electrode	Open/Close circuit potential is with respect to a saturated calomel reference electrode	

SPECIFICATIONS

Anode Model	Anode Weight	Anode Size
YX-MG-DR0.5	0.5lbs (0.23kg)	Dia.0.840" x Length12" (Dia.21.5 x Length 305mm)
YX-MG-DR1.0	1.0lbs (0.46kg)	Dia.1.315" x Length12" (Dia.33.5 x Length 305mm)
YX-MG-DR1.5	1.5lbs (0.69kg)	Dia.1.315" x Length18" (Dia.21.3 x Length 458mm)

