



MAGNESIUM ANODE (32 Lb Standard Potential)

TEMPORARY CATHODIC PROTECTION SYSTEM



REV.	Date	Description/Issued for	Prepared	Checked	APP

TECHNICAL DATA SHEET

Acc. To BS-7361:

Open Circuit Potential (Cu/CuSo₄) (V) = -1.5

Energy Capability (Amp-Hr/Kg) (Min) = 1200

Current Efficiency (Min) = 65

Performance Properties:

Chemical Composition:

☐ High Potential (According to IPS-M-TP-750)		■ Standard Potential (According to ASTM-B 843)	
Elements	Composition	Elements	Composition
Aluminum	0.01%	Aluminum	5.3-6.7%
Zinc	---	Zinc	2.5-3.5%
Manganese	0.9-1.2%	Manganese	0.15-0.7%
Silicon	---	Silicon	0.3% max
Copper	0.02%	Copper	0.05% max
Iron	0.03%	Iron	0.003% max
Nickel	0.00%	Nickel	0.003% max
Other Elements	0.3%	Other Elements	0.3% max
Magnesium	Remainder	Magnesium	Remainder

Dimension & Weight

Length: 540 mm Dia: 140 mm Height: 140 mm

Insert

Dimension (mm): Length= 405 Dia= 16 Thickness= 1.5
Material: Galvanized Steel

Gross Wt. (Kg) (Approx.)

Without Backfill= 7.7 With Backfill= 20.5

Cable

Length & Size 3000mm & 1×16 (mm²)

Shield

☐ Double Jacket HMWPE/PVDF

■ Double Jacket XLPE/PVC

Backfill

■ Yes (With Canister)

Gypsum= 75 %

Bentonite= 20 %

Sodium Sulphate= 5 %

☐ No (Without Canister)