

# High Purity Magnesium Anodes

For Galvanic (Sacrificial) Cathodic Protection



## Dependable

Magnesium anodes have, for many decades, been a mainstay choice of anode for the effective and economical prevention of corrosion on metallic structures. Most suited to low-resistivity soil environments, magnesium anodes provide an evenly distributed output that ensures permanent or intentionally temporary protection in a variety of situations. Corrosion Service offers a range of high quality magnesium anodes that have undergone technologically advanced production techniques, to maintain a consistent chemical composition. This technique yields an anode which, due to its purity, can produce a higher level of cathodic protection current than standard anodes, to more efficiently and effectively prevent corrosion.

## Flexible

Ensuring that materials arrive on site safely, on time and within budget requires precision, dedication and a high level of coordination. Corrosion Service is dedicated to meeting customers' expectations in this regard and this is why we continue to invest in our supply chain systems and processes.

Operating from hub locations on the East and West coasts of North America, our supply chain program is built upon a strong backbone of industry-leading Enterprise Resource Planning software and dedicated professionals. This infrastructure provides us with an unrivaled ability to dispatch in-stock items at short notice to any project in the world and provide project focused storage solutions that reduce risk.

## Features & Benefits

- + Alloy composition conforms to international standards for Magnesium Anodes, ASTM B843 (Latest Revision) Grade M1C.
- + Tested to ASTM G97.
- + Open circuit potential  $-1.7$  Volts.
- + Typical minimum current efficiency of 50%.
- + Standard wire is 5m blue. Custom size, color, type and length can be provided to suit individual project or client requirements.
- + Stock held at regional distribution centers and available at short notice throughout North America.

Anode Type	Net Weight (Bare Anode)		Gross Weight (Packaged)		Standard Packaging			
	Lbs.	Kg	Lbs.	Kg	Diameter		Length	
					Inches	mm	Inches	mm
7-120H	6.85	3.11	65	29.48	3	76	122	3099
5D3	5	2.27	16	7.26	5	127	14	356
9D3	9	4.08	20	9.07	5	127	18	457
17D3	17	7.71	35	15.88	5	127	30	762
17D2	17	7.71	60	27.22	5	127	53	1346
20D2	20	9.07	75	34.02	5	127	63	1600
32D5	32	14.52	80	36.29	8	203	28	711

## Alloy

ASTM Specification B843 (latest edition).  
Grade M1C (High Potential).

## Packaging

Anodes can be provided bare, packaged in a water permeable cardboard tube, or cotton bag.

## Wire

Typical 5 meter (16.4 ft.) RWU 90 #12/7 STR blue lead wire, silver soldered to electro-galvanized steel core extending 75% of the anode length.

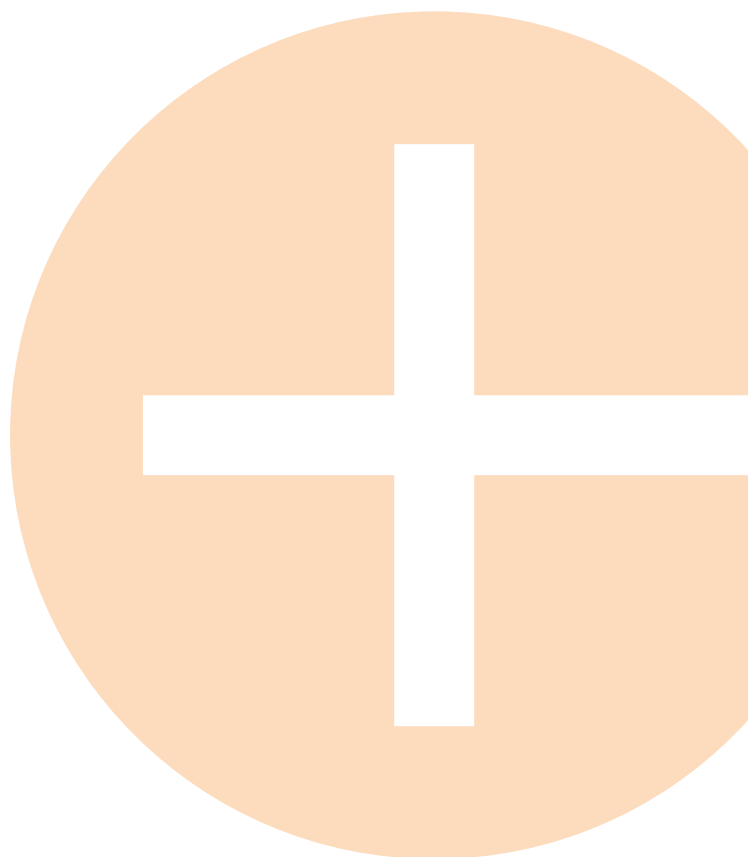
## Backfill

**Industry standard low resistivity, quick wetting prepared backfill:**

Ground Hydrated Gypsum	77% ± 1%
Powdered Wyoming Bentonite	15% ± 1%
Anhydrous Sodium Sulphate	8% ± 1%

## Options

The cable size, colour, type and length can be customized to suit individual project requirements.



To the best of our knowledge, the data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact supplier to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We assume no responsibility for performance or injuries resulting from use. Liability, if any, is limited to replacement of products. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY THE SELLER, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

SAM-PCP-15-0002\_REV9