



SACRIFICIAL  
ANODES

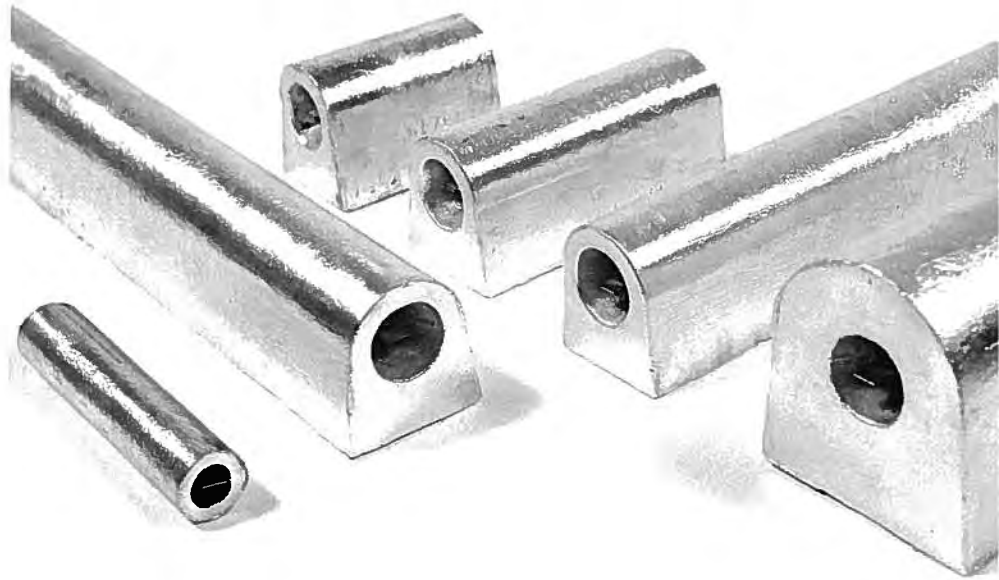
# UltraMag High Potential Magnesium Anode

In cathodic protection, the most widely used sacrificial anodes are magnesium anodes. When high potential magnesium anodes are required for high current applications, Farwest offers the **UltraMag** high potential magnesium anode.

The **UltraMag** anode is manufactured from high quality primary magnesium, under strict state of the art production techniques. For these reasons, the **UltraMag** meets industry standards for high potential magnesium anodes.

Production techniques and chemical composition insures that the **UltraMag** produces a driving potential that exceeds other sacrificial anodes, such as standard potential magnesium, aluminum and zinc. As a result, the **UltraMag** can produce more protective DC current for cathodic protection purposes.

At Farwest Corrosion, we attach a copper lead wire (size, length and insulation type as specified) to the **UltraMag** anode and seal



the connection interface. As normally required, the anode is packaged in a cloth bag with a prepared backfill mixture that works to maintain moisture around the anode and lowers the anode to earth resistance.

**UltraMag** packaged anodes are shipped on pallets in plastic bags that must be removed prior to installation.

## ULTRAMAG ANODE CHEMISTRY\*

Aluminum	0.01% max
Manganese	0.50 - 1.3%
Copper	0.02% max
Silicon	0.05% max
Iron	0.03% max
Nickel	0.001% max
Others each	0.05% max
Magnesium	Remainder

\*Per ASTM B843 Industry Standard for M1C high potential magnesium anodes.



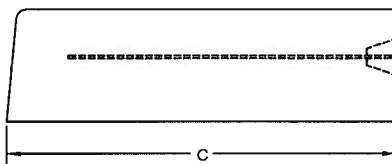
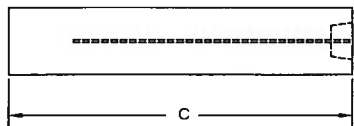
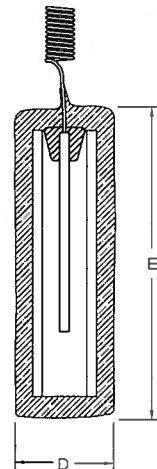
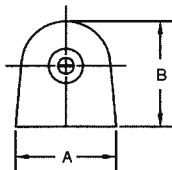
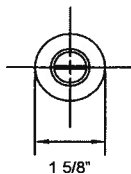
FARWEST  
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CONTROL  
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# UltraMag High Potential Magnesium Anode



## HOW TO ORDER

Please specify:

- The **UltraMag** anode of your choice. Refer to the dimension and weight chart.
- The quantity you require.
- The lead wire gauge, stranding, length and insulation type. Our standard is 10 ft. #12 THHN solid wire, but other wire may be substituted.
- If the anode is to be provided as a bare or packaged anode. If packaged, the anode is shipped in a prepared backfill consisting of 75% gypsum, 20% bentonite and 5% sodium sulfate contained in a cloth bag.
- Any other special requirements.

Should you have any questions concerning applications for the **UltraMag** anode, Farwest's team of engineers and sales professionals can assist you in the proper anode selection.

## Anode Dimensions & Weights

Anode Type	Bare Weight	Packaged Weight	Bare			Packaged	
			A	B	C	D	E
1R8	1	8	1-5/8" dia		8"	3 1/4"	10"
3D3	3	12	3-1/2"	3-3/4"	5"	5-1/2"	10"
5D3	5	17	3-1/2"	3-3/4"	8"	5-1/2"	14"
9D3	9	27	3-1/2"	3-3/4"	13-7/8"	6"	17"
17D3	17	45	3-1/2"	3-3/4"	25-1/4"	6-1/2"	29"
20D2	20	70	2-3/4"	3"	59-3/4"	5-1/2"	66"
32D5	32	70	5-1/2"	5-3/4"	19-7/8"	8"	28"
40D3	40	100	3-1/2"	3-3/4"	60"	6-1/2"	66"
48D5	48	100	5-1/2"	5-3/4"	30-1/8"	8"	38"
60S4	60	126	4-3/8"	4"	60"	7"	64"

NOTE: Packaged weights and dimensions are approximate and can vary slightly.

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