YUXI



PEAR SHAPED MAGNESIUM HULL ANODES

PRODUCT DATA SHEET

AMPP CORPORATE MEMBER

www.yuxi-anode.com

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Pear Shaped Magnesium Hull Anodes

The boat/ship is continuously in contact with water and moisture-laden winds which makes it highly susceptible to corrosion. Corrosion is one of the greatest enemies of the ship main body and its machinery — from the outer body to the smallest equipment used in operations. YUXI offers a wide range of magnesium anodes for cathodic protection of pleasure craft, river boats, canal boats, cruising boats exclusively used in freshwater. They are ideally used to prevent corrosion of the hulls, propellers, rudders, shafts, etc.

CHEMICAL COMPOSITION

Our magnesium anode is casted from high-purity magnesium ingot, according to ASTM B843-M1C standard.

Element		Content (%)
Aluminum	(Al)	0.010 max.
Manganese	(Mn)	0.500 ~ 1.300
Zinc	(Zn)	—
Silicon	(Si)	0.050 max.
Copper	(Cu)	0.020 max.
Iron	(Fe)	0.030 max.
Nickel	(Ni)	0.001 max.
Single Impurity	(Each)	0.050 max.
Other Impurities	(Total)	0.300 max.
Magnesium	(Mg)	Remainder



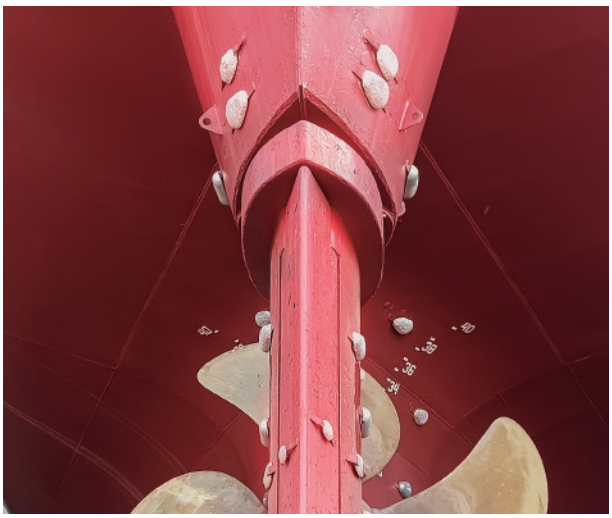


ELECTROCHEMICAL PROPERTIES

YUXI casts magnesium anodes strictly conform to ASTM stardards to make sure the current efficiency exceed 50%. Its open circuit potential is as high as -1.75 volts, which is 20~30% greater than standard potential anodes. The high driving voltage means greater protection can be delivered from fewer anodes.

Technical Measurement	Performance
Open Circuit Voltage (-V)	1.70 ~ 1.75
Closed Circuit Voltage (-V)	1.58 ~ 1.62
Current Capacity	1100 A.h/kg (500 A.h/lbs)
Current Efficiency	50% min.

* The open/closed circuit voltage is with respect to a saturated calomel electrode.



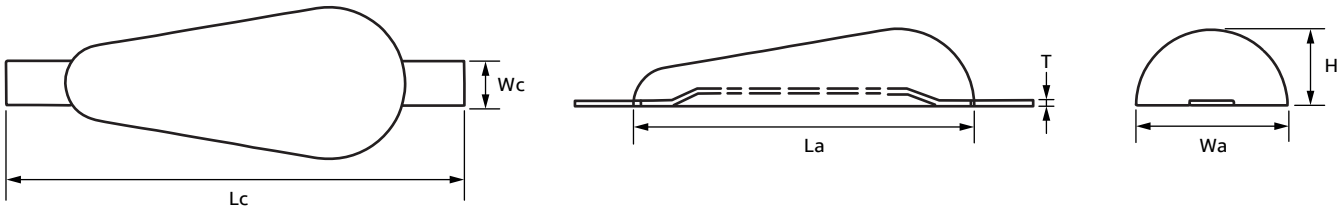
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SPECIFICATIONS



Item No.	Anode Dimensions			Insert Dimensions			Weight	
	Wa	La	H	Wc	Lc	T	N.W	G.W
YX-MG-PH02	130 mm (5.12")	290 mm (11.42")	65 mm (2.56")	38 mm (1.5")	390 mm (15.35")	4 mm (0.157")	2 kg (4.4 lbs)	2.5 kg (5.5 lbs)

Note: All dimensions and weights shown above are nominal. The information provided is subject to change without notice.

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Industrial Corrosion Control Solutions Provider

Established in 2003, YUXI has over a 20-year heritage of innovation in corrosion control science and technology. We're a spirited team of ambitious thinkers and pioneer sheeps with a common goal in mind: protect our clients' assets from corrosion with cost-saving measures.

We have the most comprehensive catalog of cathodic protection materials including anodes, transformer rectifiers, backfills, coatings, etc. Our anodes and supplies are manufactured to strict quality standards through an ISO 9001 quality management system and are guaranteed to offer excellent performance in the industry.

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