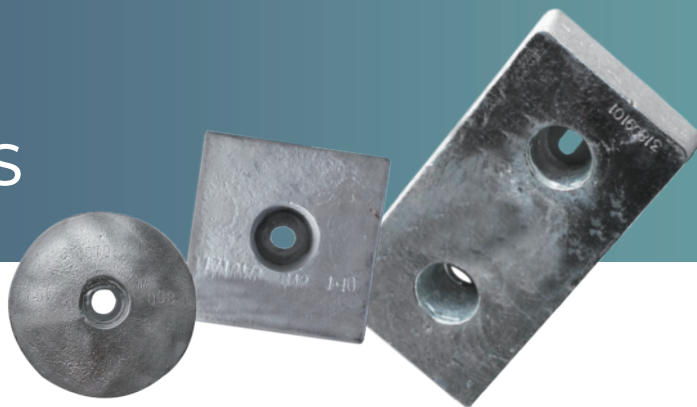




MAGNESIUM CONDENSER ANODES



CELEBRATED ENTERPRISE IN CATHODIC PROTECTION



JENNINGS ANODES

MAGNESIUM CONDENSER ANODES

DATA SHEET

To address the applications in fresh water or aqueous environments where the electrolyte resistivity is higher, our anodes are cast into rectangular, square, circular shapes for a variety of installation possibilities with minimum attachment.

■ Quality Substrate Material

Constructed from high grade magnesium alloy, our condenser anode conforms to meet American standard ASTM B843-AZ63B.

Element	Content
Aluminum (Al)	5.30% ~ 6.70%
Manganese (Mn)	0.15% ~ 0.70%
Zinc (Zn)	2.5% ~ 3.5%
Silicon (Si)	0.1% max.
Copper (Cu)	0.02% max.
Iron (Fe)	0.03% max.
Nickel (Ni)	0.02% max.
Other Impurity(each)	0.05% max.
Total Impurities	0.30% max.
Magnesium (Mg)	Remainder

■ Custom-made Electro-potential Options

Our magnesium condenser anode is normally cast with H-I alloy for standard potential of -1.55 volts relative to saturated calomel electrode(SCE).

Technical Measurement	Performance
Open Circuit Voltage (-V)	1.50 ~ 1.55
Closed Circuit Voltage (-V)	1.45 ~ 1.50
Current Capacity	550 A.h/lbs (1230 A.h/kg)
Current Efficiency	55% min.

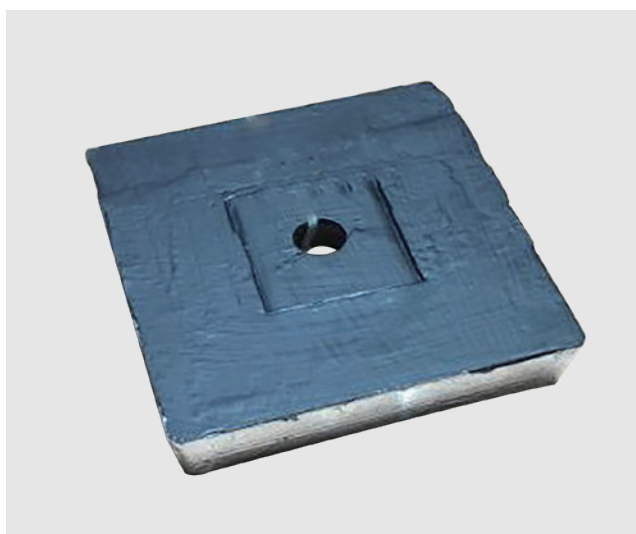
* High potential magnesium anode is available upon request.

■ Optional Plastisol Coating

Our condenser anode is available as either bare or plastisol coated. The plastisol (polyvinyl chloride) coating on the sides, ends, and faying surfaces serves as an excellent current barrier shield.

APPLICATIONS

- Heat exchanger
- Condenser water box
- Cooling tower
- Intercooler
- Tank Interior

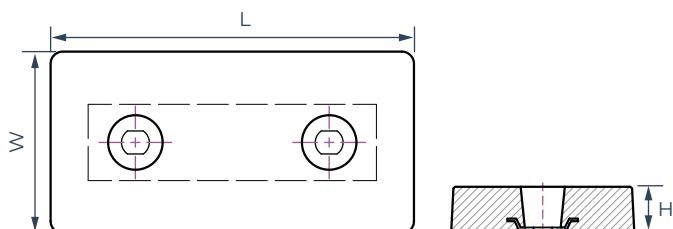


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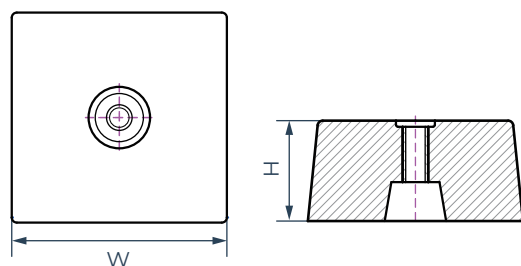
SPECIFICATIONS

■ Rectangular Type Anode



Item No.	Width	Length	Height	Weight
JA-MG-DS11	3.0" (75 mm)	5.9" (150 mm)	1.2" (30 mm)	1.1 lbs (0.5 kg)
JA-MG-DS22	3.9" (100 mm)	7.9" (200 mm)	1.2" (30 mm)	2.2 lbs (1.0 kg)
JA-MG-DS53	5.9" (150 mm)	11.8" (300 mm)	1.2" (30 mm)	5.3 lbs (2.4 kg)
JA-MG-DS143	7.9" (200 mm)	11.8" (300 mm)	2.6" (65 mm)	14.3 lbs (6.5 kg)

■ Square Type Anode

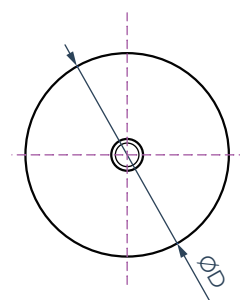
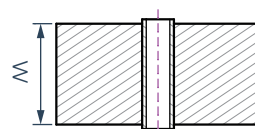


Item No.	Width	Height	Weight	Insert Dimensions
JA-MG-SS11	3.9" (100 mm)	1.2" (30 mm)	1.1 lbs (0.5 kg)	/
JA-MG-SS18	3.9" (100 mm)	2.0" (50 mm)	1.8 lbs (0.8 kg)	/
JA-MG-SS75	8.0" (203 mm)	2.0" (51 mm)	7.5 lbs (3.4 kg)	Ø 3/4" (Ø19.05 mm)
JA-MG-SS150	8.0" (203 mm)	4.0" (102 mm)	15.0 lbs (6.8 kg)	Ø 3/4" (Ø19.05 mm)

■ Round Type Anode

Item No.	Diameter	Height	Weight	Insert Dimensions
JA-MG-R24	5.0" (127 mm)	2.0" (51 mm)	2.4 lbs (1.1 kg)	Ø 1/2" (Ø12.7 mm)
JA-MG-R49	5.0" (127 mm)	4.0" (102 mm)	4.9 lbs (2.2 kg)	Ø 1/2" (Ø12.7 mm)

Notes: All dimensions and weights are nominal. The parameter provided is subject to variation in material compositions and Jennings Anodes foundry tolerance.



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TESTING DETAILS

We employ ISO 9001:2015 quality management system and rigorous internal testing standards to ensure the optimum lifespan and performance of our Anodes. Each anode is labelled with a unique serial number for quality tracking.

Technical Measurement	Chemical Composition	Electrochemical Performance	Physical Properties
Testing Standard	ATSM B843	ATSM G97	Foundry ITP
Testing Content	Chemical Analysis	Circuit Potential Current Capacity Current Efficiency	Surface Finish Dimension & Weight
Equipment	Optical Emission Spectrometer OBLF QSN 750	Electrochemical Analyzer EPI 200	Calibrated Digital Measuring Devices

* Third party testing is conducted by customer's special request at extra charge.

PACKAGING INFORMATION

We have strict packing protocols to guarantee safe delivery of our products. Clear shipping marks and documentation make delivery acceptance straightforward and simple.

■ Square Type Anode

Item No.	Anode Qty (per pallet)	Pallet Dimensions (L x W x H)	Weight	
			N.W.	G.W.
JA-MG-SS75	200	41" x 41" x 22" (1050 x 1050 x 550mm)	1598 lbs (725 kg)	1698 lbs (770 kg)
JA-MG-SS150	100	41" x 41" x 22" (1050 x 1050 x 550mm)	1510lbs (685kg)	1609lbs (730kg)

■ Round Type Anode

Item No.	Anode Qty (per pallet)	Pallet Dimensions (L x W x H)	Weight	
			N.W.	G.W.
JA-MG-R24	500	41" x 41" x 22" (1050 x 1050 x 550mm)	1213 lbs (550 kg)	1312 lbs (595 kg)

Remarks: Custom packing is available upon request.



Worldwide Service Network

Our worldwide network of sales and service centers can provide immediate advice and assistance on the complete range of products.

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