

ZINC HULL ANODE

DATA SHEET

Constantly exposed to the assault of water and moisture-laden winds, the ship becomes highly susceptible to the damaging effects of corrosion, posing a profound and continuous threat to the structural integrity and operational efficiency of its machinery and equipment.

The zinc hull anode plays a pivotal role in sacrificial anode cathodic protection. It is widely utilized in the corrosion protection of metal structures on ships, offshore platforms, docks, and other maritime facilities.

CHEMICAL COMPOSITION

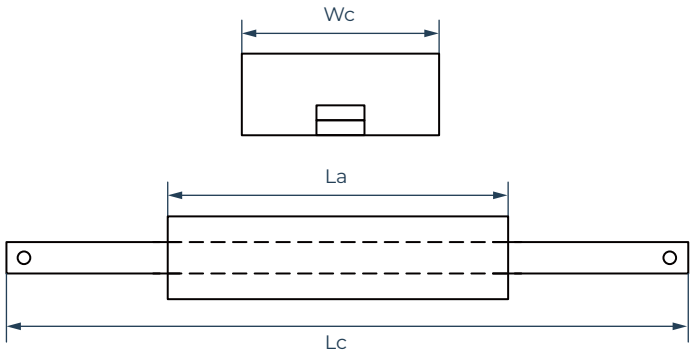
Element	Content (%)
Aluminum (Al)	0.100 ~ 0.500
Indium (In)	—
Lead (Pb)	0.006 max.
Iron (Fe)	0.005 max.
Copper (Cu)	0.005 max.
Cadmium (Cd)	0.025 ~ 0.070
Other Impurities	0.100 max.
Zinc (Zn)	Remainder

ELECTROCHEMICAL PROPERTIES

Technical Measurement	Performance
Open Circuit Voltage (-V)	1.05 min.
Closed Circuit Voltage (-V)	1.00 min.
Current Capacity (A.h/kg)	780
Current Efficiency	95%
Consumption Rate (kg/A.y)	11.2

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

SPECIFICATION



Item No.	Anode Dimensions			Net Weight	Core Weight	Cross Weight
	Wc	La	Lc			
JA-ZHA-01	0.39' (0.12 m)	1.9' (0.58 m)	3.73' (1.14 m)	41 lbs (18.4 kg)	6 lbs (2.8 kg)	47 lbs (21.2 kg)

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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