

# 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

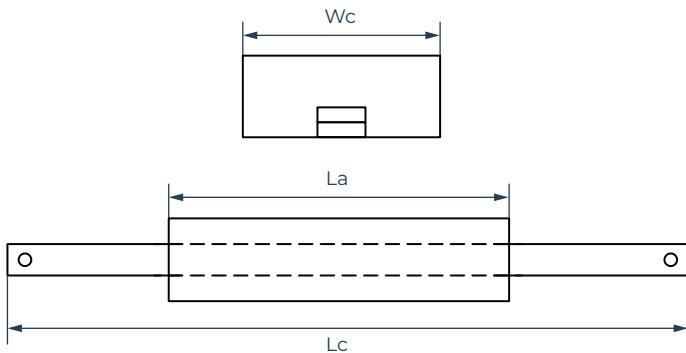
Element	Content (%)
Aluminum (Al)	0.100 ~ 0.500
Indium (In)	—
Lead (Pb)	0.006 max.
Iron (Fe)	0.005 max.
Copper (Cu)	0.005 max.
Cadmium (Cd)	0.025 ~ 0.070
Other Impurities	0.100 max.
Zinc (Zn)	Remainder

### 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.



## 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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