



ALUMINUM BALLAST TANK ANODES



50 YEARS EXPERIENCE IN CATHODIC PROTECTION



ALUMINUM BALLAST TANK ANODES

DATA SHEET



Ships are continuously in contact with water and moisture-laden winds which makes them highly susceptible to corrosion. Corrosion is one of the greatest enemies of the ship main body and its machinery — from the outer body (mainly hull) to the smallest equipment used in operations.

Characterized by lightweight and high amperage output, our anodes will provide excellent performance on both ocean-going vessels and river boats.

CHEMICAL COMPOSITION

Casted in low-iron, high-purity alloys, our indium-activated aluminum anode is designed to meet the standard of GALVALUM III

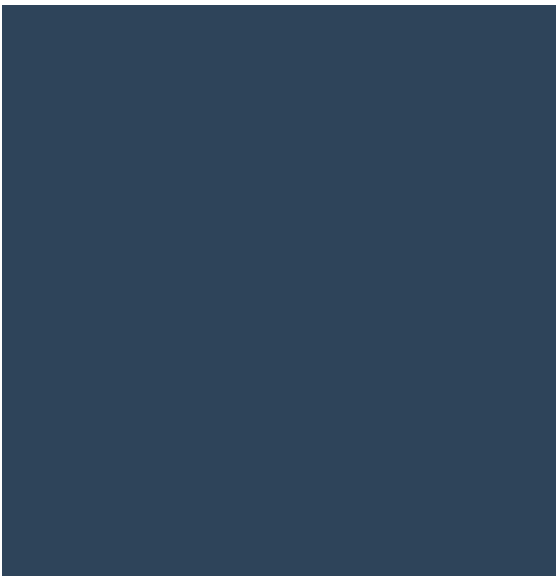
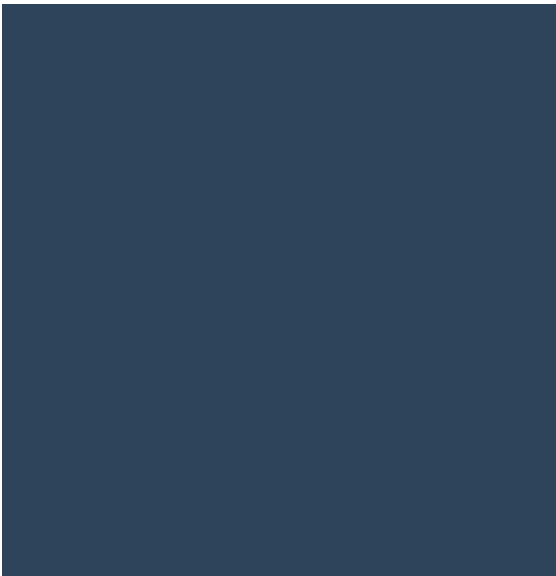
Element	Content (%)
Zinc (Zn)	2.0% ~ 6.0%
Indium (In)	0.01% ~ 0.02%
Silicon (Si)	0.08% ~ 0.2%
Iron (Fe)	0.13% max.
Copper (Cu)	0.1% max.
Cadmium (Cd)	—
Other Impurities	0.006% max.
Aluminum (Al)	Remainder

ELECTROCHEMICAL PROPERTIES

This aluminium anode provides a stable performance in seawater and electrolytes containing chloride ions as its operating potential is kept between -1.05 to -1.10 volts.

Technical Measurement	Performance
Open Circuit Voltage (-V)	1.10 min.
Closed Circuit Voltage (-V)	1.05 min.
Current Capacity	1135 A.h/lbs (2500 A.h/kg)
Current Efficiency	90% min.
Consumption Rate	7.6 lbs/A.y (3.4 kg/A.y)

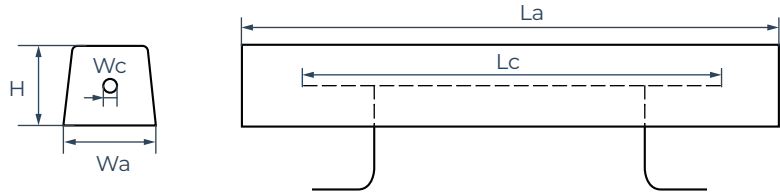
* The open/closed circuit voltage is with respect to a Ag/AgCl reference electrode.



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SPECIFICATIONS



Item No.	Anode Dimensions			Insert Dimensions			Weight
	La	Wa	H	Wc	Lc	T	
JA-AL-BT21	2" (50.8 mm)	2" (50.8 mm)	48" (1219 mm)	/	/	/	21 lbs (9.5 kg)
JA-AL-BT26	2" (50.8 mm)	2" (50.8 mm)	60" (1524 mm)	/	/	/	26 lbs (11.8 kg)
JA-AL-BT30	2.5" (63.5 mm)	2.5" (63.5 mm)	48" (1219 mm)	/	/	/	30 lbs (13.6 kg)
JA-AL-BT39	2.5" (63.5 mm)	2.5" (63.5 mm)	60" (1524 mm)	/	/	/	39 lbs (17.7 kg)
JA-AL-BT48	3" (76.2 mm)	3" (76.2 mm)	48" (1219 mm)	/	/	/	48 lbs (21.8 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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