

Aluminum Ballast Tank & Hull Anodes

Cast Aluminum Anodes offer a stable current output in Seawater or Marine environments with optimum performance and cost effectiveness. Jennings Anodes offers a complete line of aluminum anodes in a variety of sizes, weights and core configurations with the production capacity of 5,000 tons per year.



Chemical Composition

Element	GS EP COR 201
	Al-Zn-In
Zinc (Zn)	4.75 ~ 5.75%
Indium (In)	0.015 ~ 0.02%
Cadmium (Cd)	0.002% Max
Silicon (Si)	0.06 ~ 0.12%
Iron (Fe)	0.12% Max.
Copper (Cu)	0.003% Max.
Others Total	0.10% Max.
Aluminum (Al)	Remainder

Applications

- Ballast Tanks of seagoing vessels / FPSOs
- Hulls of ships / Tugs / Barges
- Offshore Submerged Structures
- Tank Interiors



Galvanic / Sacrificial Anodes

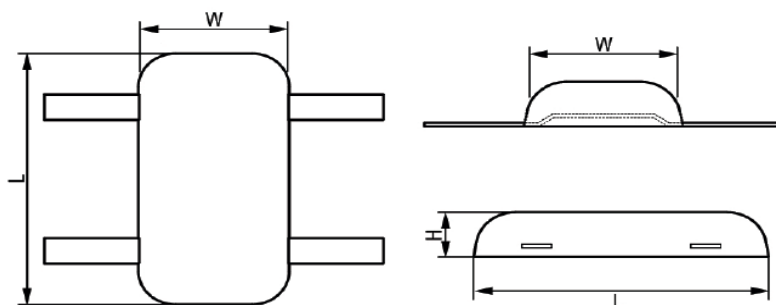
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Electrochemical Properties

Open Voltage (-V)	1.10 ~ 1.15
Closed Voltage (-V)	1.05 ~ 1.12
Current Capacity	1135 A.h/lb (2500 A.h/kg)
Consumption Rate	7.6lbs/amp.yr
Current Efficiency	90% Min
Solubility	Solute Uniformly

Open / Close Circuit Potential is with respect to a Saturated Calomel Reference Electrode.

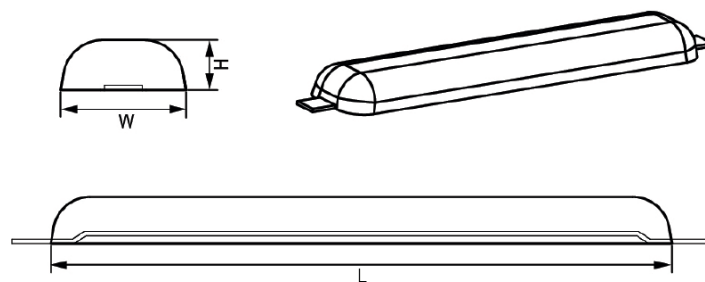
Specification



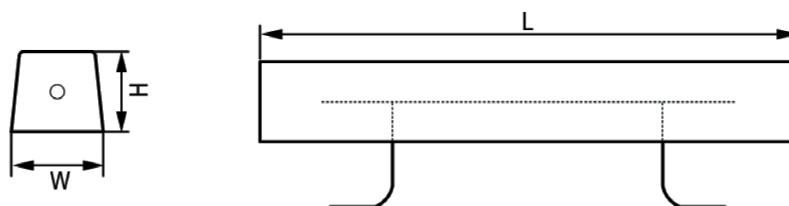
Anode Model	Anode Weight	Anode Size (L × W × H)	Steel Core Size	Steel Core Type
JA - AL - H10	10lbs (4.5kg)	6 1/2" × 1 1/4" × 14" (165 × 32 × 356mm)	3/16" × 1 1/4" (4.8 × 32mm)	Two Cast-in Galvanized Steel Straps, Mounting Holes are provided per request
JA - AL - H15	15.5lbs (7.0kg)	5" × 1 3/8" × 21 1/2" (127 × 35 × 546mm)	3/16" × 1 1/4" (4.8 × 32mm)	
JA - AL - H32	32lbs (14.5kg)	10" × 2" × 20" (254 × 51 × 508mm)	1/4" × 1 1/2" (6.4 × 38mm)	

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Anode Model	Anode Weight	Anode Size (L × W × H)	Steel Core Size	Steel Core Type
JA - AL - H12	12lbs (5.4kg)	4 1/2" × 2 1/4" × 14" (114.5 × 57 × 356mm)	1/4" × 1 1/2" (6.35 × 38mm)	One Cast-in Galvanized Steel Straps, Mounting Holes are provided per request
JA - AL - H20	20lbs (9.1kg)	4 1/2" × 2 1/4" × 24" (114.5 × 57 × 610mm)		
JA - AL - H23	23lbs (10.4kg)	5" × 1 15/16" × 24" (127 × 59 × 610mm)		
JA - AL - H29	29lbs (13.2kg)	5" × 2 1/2" × 24" (127 × 63.5 × 610mm)		



Anode Model	Anode Weight	Anode Size (L × W × H)
JA - AL - BT21	21lbs (9.5kg)	2" × 2" × 48" (50.8 × 50.8 × 1219mm)
JA - AL - BT26	26lbs (11.8kg)	2" × 2" × 60" (50.8 × 50.8 × 1524mm)
JA - AL - BT30	30lbs (13.6kg)	2 1/2" × 2 1/2" × 48" (63.5 × 63.5 × 1219mm)
JA - AL - BT39	39lbs (17.7kg)	2 1/2" × 2 1/2" × 60" (63.5 × 63.5 × 1524mm)
JA - AL - BT48	48lbs (21.8kg)	3" × 3" × 48" (76.2 × 76.2 × 1219mm)

- All weights and dimensions are nominal and subject to variation in material compositions and Jennings Anodes foundry tolerance.
- Other configurations are available upon special request.