

Marine Bracelet Type Zinc Alloy Sacrificial Anode

This product is a high-performance bracelet-type zinc alloy sacrificial anode specially designed for ships and marine engineering. Manufactured using advanced casting technology, it features an open-ring (C-shaped) design with grooves on the inner side, allowing it to be directly fastened and wrapped around the exterior of pipes or steel structures.

Utilizing the electrochemical property that zinc is more active than iron, it preferentially dissolves in seawater environments, releasing electrons to polarize the protected substrate to the cathodic region, thereby effectively inhibiting electrochemical corrosion.



KEY FEATURES

1. Moderate driving voltage, not prone to overprotection
2. Low self-corrosion, high current efficiency
3. Low operation and maintenance cost
4. Easy to retrofit / replace
5. Good compatibility with coating systems

PRODUCT SPECIFICATIONS

Chemical Composition(%)		
Executive Standard	ASTM-418-type I	ASTM-418-type II
Al	0.1-0.5	≤0.005
Cd	0.025-0.07	≤0.003
Fe	≤0.005	≤0.0014
Pb	≤0.006	≤0.0014
Cu	≤0.005	≤0.002
Zn	Remainder	Remainder

Electrochemical Property		
Executive Standard	ASTM-418-type I	ASTM-418-type II
Open Potential(-V,vs SCE)	≥1.05	≥1.10
Closed Potential(-V,vs SCE)	≥1.0	≥1.05
Actual Capacitance(A·h/kg)	≥780	≥740
Current Efficiency(%)	≥95	≥90