

Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

SACRIFICIAL ANODE

I.C.C.P System

1.System Introduction: Corrosion of hull steel plate in seawater is a kind of natural electrochemical reaction.The hull impressed current cathodic protection device can effectively prevent the corrosion of the water ...

ISO9001 Supplier

Class Certificate

Export Supply

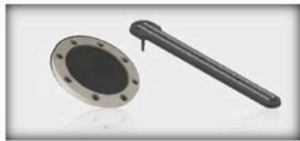
Key Highlights

Category	Sacrificial Anode
Standard	EN
Material	Corrosion of hull steel plate in seawater is a kind of natural electroch...
Weight / Size	Applicable to all sizes of ships.
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.



参比电极
Reference Cell



阳极
Anode



参比电极
Reference Cell



圆型阳极
Circular Anode



长条型阳极
Linear Stripe Anode



阳极
Anode

Technical Specifications

Category	Sacrificial Anode	Model / SKU	I-C-C-P-System
Standard	EN	Material	Corrosion of hull steel plate in seawater is a kind of natural electrochemical reaction.The hull impressed current cathodic protection device can effectively prevent the corrosion of the water immersion part of the hull.
Weight / Size	Applicable to all sizes of ships.	Surface	b.The surface roughness of the hull is suppressed or reduced,and the fuel consumption is reduced.
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	Warranty	12 Months unless specified otherwise
Origin	China		



CONTENTS

- 1.System Introduction:
- 2.System Characteristics:
- 3.Working Principle.
- 4.System Composition.

1.System Introduction:

Corrosion of hull steel plate in seawater is a kind of natural electrochemical reaction.The hull impressed current cathodic protection device can effectively prevent the corrosion of the water immersion part of the hull.

2.System Characteristics:

- a.With the change of the ship's working conditions(Speed,coating and sea water) automatic regulation of the protection of the current.
- b.The surface roughness of the hull is suppressed or reduced,and the fuel consumption is reduced.
- c.Reduce the electrochemical corrosion of the rudder and propeller.
- d. Prolong the dock repair cycle,improve the efficiency of shipping.
- e. Applicable to all sizes of ships.

3.Working Principle.

The impressed current cathodic protection is by means of direct current power supply (constant potential instrument), which is protected by the application of the auxiliary anode which is installed on the hull to protect the hull. The system has been widely used in various types of ships and offshore oil drilling platforms,pipelines,wharf steel piles, etc., Have achieved good results of protection.

4.System Composition.

The impressed current cathodic protection system is composed of constant potential instrument,auxiliary anode and anode shield layer,reference electrode,rudder and propeller shaft grounding device.

- a. Auxiliary anode. Used as a current output,which is almost insoluble in itself.Small volume,light weight,large discharge capacity,long life.
- b.Reference Electrode Potential of a protected body as a reference.Stable,accurate,sensitive and robust.