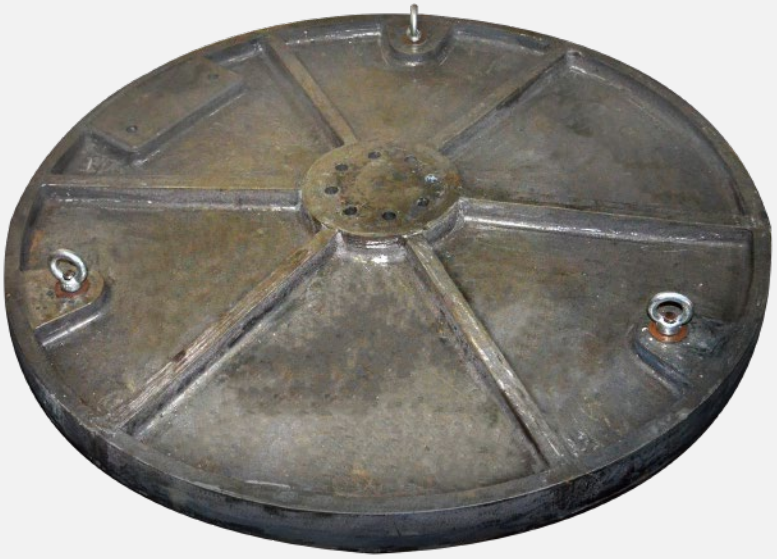
YUXI
CORROSION CONTROL



HIGH SILICON CAST IRON ANODE PLATE

PRODUCT DATA SHEET

AMPP CORPORATE MEMBER

www.yuxi-anode.com

PRODUCT DATA SHEET

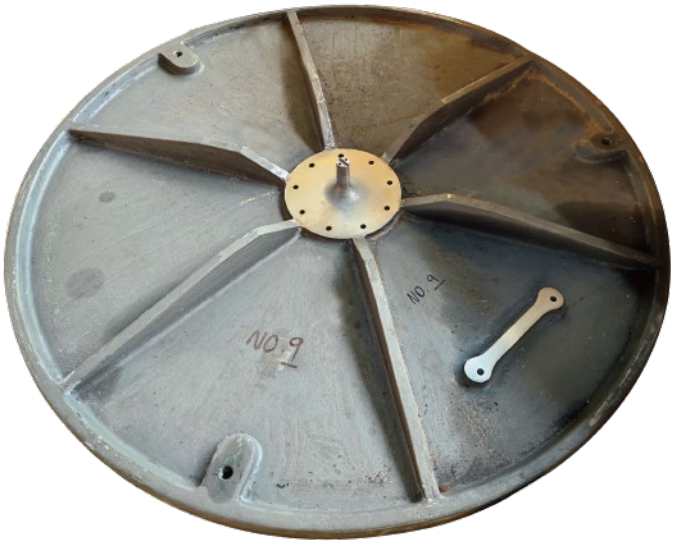
HIGH SILICON CAST IRON ANODE PLATE

High silicon cast iron anodes are amongst the most widely used anodes for impressed current cathodic protection systems. Our high silicon cast iron anode plate is made of a solid round base and a conductive pillar fixed in the central part. With increased anode surface area, its specialized structure design changes the current path to improve the uniformity of discharge, thus eliminating "necking effect" which regularly caused by high silicon cast iron anode rod. It can be used to protect submerged structures from corrosion, such as marine LNG platform jacket, offshore optical fiber station base, sub-sea transmission pipeline, etc.

CHEMICAL COMPOSITION

Our high silicon cast iron anode plate meets the high chemistry standard as per ASTMA518/A518M Grade 3, particularly suited for more severe environments (such as brackish water or saltwater).

Element		Content (%)
Silicon	(Si)	14.20 ~ 14.75
Chromium	(Cr)	3.250 ~ 5.000
Manganese	(Mn)	1.500 max.
Copper	(Cu)	0.500 max.
Molybdenum	(Mo)	0.200 max.
Carbon	(C)	0.700 ~ 1.100
Phosphorus	(P)	—
Sulphur	(S)	—
Iron	(Fe)	Remainder



ELECTROCHEMICAL PROPERTIES

Due to its high content of silicon, the anode surface is readily and continually oxidized with a thin film of hydrated silicon oxides, which protects the anode from metal pitting. Our high silicon cast iron anodes exhibit extraordinary corrosion resistance and low consumption rate in low-pH environment.

Technical Measurement	Performance
Current Density (A/m²)	10 ~ 50
Consumption Rate (kg/A.y)	0.3 ~ 0.5

SPECIFICATIONS

Item No.	Diameter	Height
YX-PSA-2000	2000mm (78.7")	80mm (3.15")

Note: All dimensions and weights shown above are nominal. The information provided is subject to change without notice.

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Industrial Corrosion Control Solutions Provider

Established in 2003, YUXI has over a 20-year heritage of innovation in corrosion control science and technology. We're a spirited team of ambitious thinkers and pioneer sheep with a common goal in mind: protect our clients' assets from corrosion with cost-saving measures.

We have the most comprehensive catalog of cathodic protection materials including anodes, transformer rectifiers, backfills, coatings, etc. Our anodes and supplies are manufactured to strict quality standards through an ISO 9001 quality management system and are guaranteed to offer excellent performance in the industry.

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