PRODUCT DATA SHEET

ProNode™

PRODUCT DESCRIPTION

Aluminum alloy sacrificial anodes are primarily used for cathodic protection of metallic structures in seawater environments, such as offshore oil and gas platforms, offshore wind turbine foundations, bridge and wharf steel piles, and ship ballast tanks, as well as the internal surfaces of crude oil storage tanks. This anode material provides excellent electrochemical performance and high current output capacity, approximately three times that of zinc anodes and twice that of magnesium anodes. In seawater and other chloride-containing media, it delivers reliable performance and strong self-regulating current output.

PRODUCT FEATURES

Standards & Certification

- Product quality is verified through recognized industry testing and certification processes, including DNV and CCS certification, as applicable.

Custom Engineering Capability

- Alloy grades can be selected in accordance with applicable standards or customized for specific service environments, with performance verified through pre-production qualification testing (PQT).

ADVANCE TECHNOLOGY

ALUMINUM ALLOY SACRIFICIAL ANODE

PRODUCT PERFORMANCE

Electrochemical Performance Compliance

- Electrochemical properties and chemical composition are designed and controlled with reference to applicable international standards, including GB/T 4948, DNV-RP-B401, EN 12496, and NACE SP0387, ensuring stable and reliable anode performance.

Environmental Adaptability

- Alloy composition and performance can be optimized according to seawater temperature, salinity, water depth, and other environmental conditions to support effective long-term cathodic protection performance.