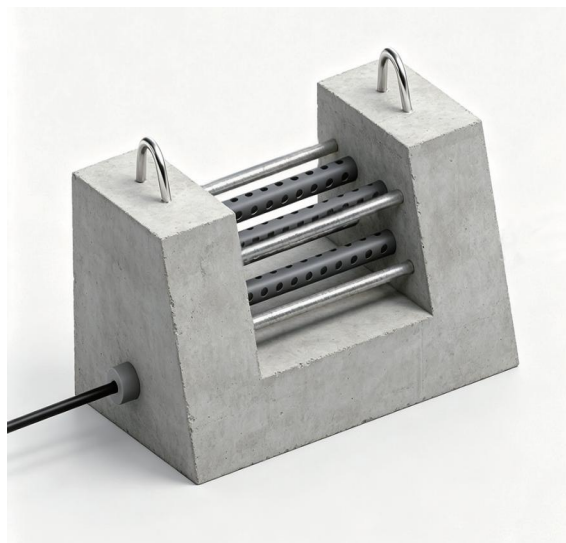


MMO Skid-Mounted Anode

MMO (Mixed Metal Oxide) skid-mounted anodes are highly efficient auxiliary anodes used in impressed current cathodic protection systems. Their operating principle involves a titanium substrate coated with precious metal oxide layers. A DC current is applied via a potentiostat, prompting a catalytic oxidation reaction on the anode surface to release electrons. These electrons flow through the soil or water medium toward the protected metal structure, shifting its overall potential negatively to achieve cathodic polarization, thereby suppressing electrochemical corrosion. Due to their dimensional stability, long service life, uniform current distribution, and ease of installation, they are widely deployed in harsh environments such as offshore platforms, bridges, steel piles, and wharves.



■ KEY FEATURES

1. More than 20 years
2. High current output
3. Harsh environments withstand
4. Super coating adhesive
5. Excellent coating uniformity
6. Easy installation

■ APPLICATIONS

1. Offshore platforms
2. Bridges
3. Steel piles
4. Wharves

■ PRODUCT SPECIFICATIONS

Base: Reinforced concrete

Stiffener: Carbon steel

Protective Tube: PVC

Anode body: MMO/Ti Tubular Anodes

Titanium substrate: ASTM B338 Grade 1 or Grade 2

MMO Coating: IrO₂/RuO₂ (sea water environment)

Outer Diameter: Φ19/25.4/32mm

Wall Thickness: 0.9-2.0mm

Length (single piece): 500/1000/1200/1500mm

Cable: PVDF/HMWPE, 10-16mm² (as required), Length can be customized.

Connecting Resistance: ≤0.01 Ω

Current Density: Up to 600A/m² (seawater/High chloride environment)

Service Life: ≥20 years