

MMO Discrete Anode(Star Type)

Discrete anodes are specific cathodic protection devices placed at strategic locations within concrete structures. Unlike impressed current systems that utilize an array of anodes, discrete anodes target localized areas of corrosion, requiring less energy and material. These anodes are typically installed in drilled holes or embedded in the concrete surface, directly targeting the areas where rebar corrosion is most likely to occur. We design various kinds of MMO discrete anodes which helps provide different solutions to protect steel inside different concrete structures.

MMO (Mixed Metal Oxide) discrete anodes used in concrete holes for rebar protection are specifically designed to protect embedded steel reinforcement (rebar) from corrosion in reinforced concrete structures. Here's a detailed explanation. Compared with traditional zinc embedded anodes, MMO discrete anodes supplied sufficient and long term protection to steel rebar.



PRODUCT SPECIFICATIONS

Material:

A: Titanium Bar - ASTM B265 Grade 1

B: Titanium Rod - ASTM B348 Grade 1

Coating: $\text{IrO}_2/\text{Ta}_2\text{O}_5$

Thickness: 0.6mm edge, 1.3mm expanded

Diamond Size: 2.5mm×4.6mm

Current Output: 110mA/m², 100 yrs life

Dimension: Circular Mesh Anode Welded with Ti Rod

Welding Points: 6 Nos

Shape: Star

KEY FEATURES

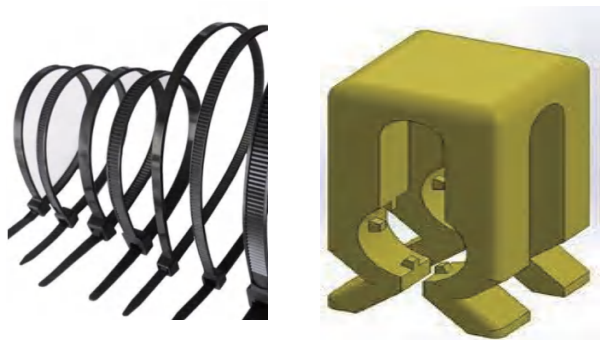
- 1.Targeted Protection
- 2.Lower Installation Cost
- 3.Minimal Disruption
- 4.Enhanced Durability
- 5.Various Applications

INSTALLATION COMPONENTS

Application: Fixing MMO mesh ribbon onto concrete rebar

Dimension: Clip rebar size:

12mm/16mm/20mm/25mm/30mm



APPLICATIONS

- 1.New and Existing Reinforced Concrete Structures
- 2.Historic Masonry-Faced Steel Frame Structures
- 3.Bridges and Parking Garages
4. Buildings with Concrete or Masonry Facades
5. Tunnels and Underground Structures
6. Marine and Coastal Concrete Structures