



# MMO DISCRETE MESH ANODES

PRODUCT DATA SHEET

# MMO DISCRETE MESH ANODES

This discrete anode is made of tubular shaped MMO mesh welded with a titanium strip or rod. It is primarily used for the cost-effective cathodic protection of thick steel reinforced concrete elements in relatively compact structures such as beams, columns or piles in tidal/splash zones where the application of ribbon anodes leads to grout acidification in most cases.

## QUALITY SUBSTRATE MATERIAL

Our MMO discrete mesh anodes are manufactured from high-tensile titanium, which meets commercially ASTM B265 Grade I standards.

## NOBEL METAL OXIDE COATING

Whether operating in soil, mud, fresh water or seawater, mixed metal oxide coatings demonstrate high chemical stability, even in environments with low pH values. Depend on the form of usage, the coatings can be mixed of two or more metal oxides such as iridium oxides ( $\text{IrO}_2$ ), tantalum oxides ( $\text{Ta}_2\text{O}_5$ ) and ruthenium oxides ( $\text{RuO}_2$ ).

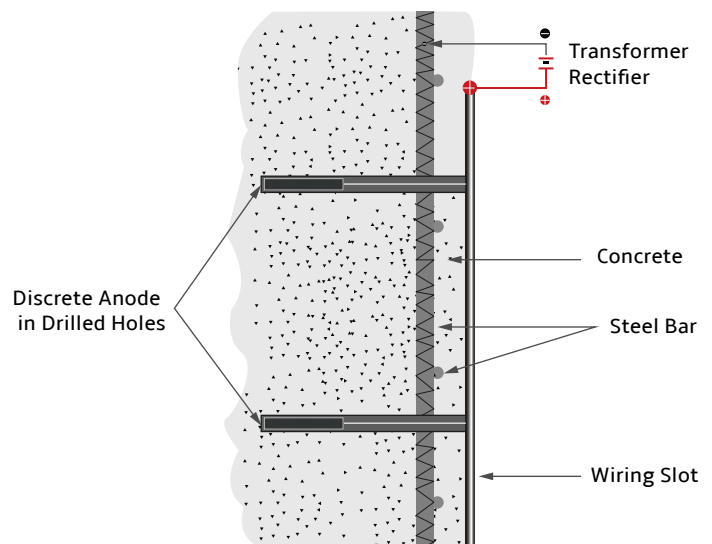
We can produce anodes with different nobel metal oxide ratios and differing coating thickness. Based upon accelerated life testing conducted by an independent laboratory, our MMO coating has been proven to be superior to other similar products in the market.

### ■ Ir-Ta Mixed Metal Oxide Catalyst

The Iridium-Tantalum mixed metal oxide catalyst is recommended for use in soil or fresh water, where there is either no chloride ions or low chloride ions present.

### ■ Ir-Ru Mixed Metal Oxide Catalyst

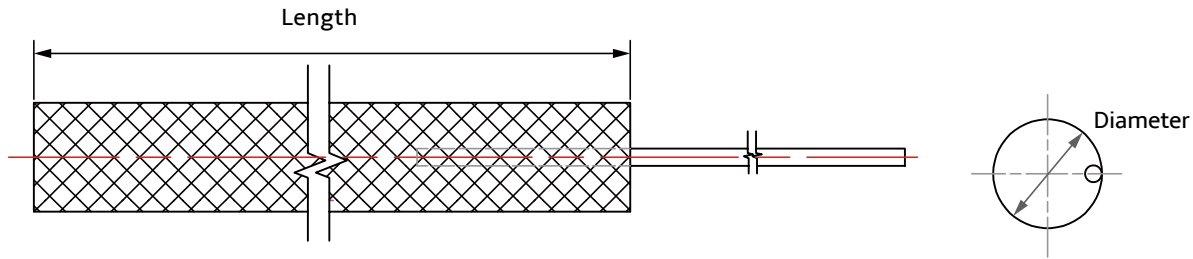
The Iridium-Ruthenium mixed metal oxide catalyst can be used in seawater, brackish water, mud, concrete and any other severe environment conditions including high acidity or in the presence of chlorine or oxygen.



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## SPECIFICATIONS

The discrete anodes can be supplied at different lengths and allow for full encapsulation by the grout material.



Item No.	Diameter	Length	Diamond Dimensions	Mesh Thickness	Current Density	Lifetime
YX-MDA-100	25mm (1")	100mm (3.9")	2.5x4.6mm (0.098"x0.181")	0.6mm (0.024")	110 mA/m <sup>2</sup>	100 yrs.
YX-MDA-150	25mm (1")	150mm (5.9")	2.5x4.6mm (0.098"x0.181")	0.6mm (0.024")	110 mA/m <sup>2</sup>	100 yrs.
YX-MDA-200	25mm (1")	200mm (7.9")	2.5x4.6mm (0.098"x0.181")	0.6mm (0.024")	110 mA/m <sup>2</sup>	100 yrs.
YX-MDA-250	25mm (1")	250mm (9.8")	2.5x4.6mm (0.098"x0.181")	0.6mm (0.024")	110 mA/m <sup>2</sup>	100 yrs.
YX-MDA-300	25mm (1")	300mm (11.8")	2.5x4.6mm (0.098"x0.181")	0.6mm (0.024")	110 mA/m <sup>2</sup>	100 yrs.
YX-MDA-350	25mm (1")	350mm (13.8")	2.5x4.6mm (0.098"x0.181")	0.6mm (0.024")	110 mA/m <sup>2</sup>	100 yrs.
YX-MDA-400	25mm (1")	400mm (15.7")	2.5x4.6mm (0.098"x0.181")	0.6mm (0.024")	110 mA/m <sup>2</sup>	100 yrs.





## Industrial Corrosion Control Solutions Provider

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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 sheeps 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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[www.yuxi-anode.com](http://www.yuxi-anode.com)

6/F, Tianlu Building, 767 Liangzhu Road,  
Ningbo 315000, P.R. China

**E-mail:** [info@yuxi-anode.com](mailto:info@yuxi-anode.com)

**Tel:** +86 (574) 8388 2233

**Fax:** +86 (574) 8388 2238