



MMO Tubular Anode

MMO Tubular Anode consists of a titanium tube to ASTM B338 Gr. 1 coated with precious mixed metal oxides (IrO_2 / Ta_2O_5).

YUXI MMO Tubular Anodes are made by an automated brushing machine with unique etching and thermal sintering technology, enabling us to produce a homogeneous coating with superior adhesion properties whilst maintaining a production capacity up to 500,000 Nos of MMO Tubes each year.

Our MMO coating is highly conductive and the anodes have a very low consumption rate. This combination of characteristics results in a long-life expectancy even when the anode is subjected to a high current density rating. Our Anodes life can exceed 25 yrs. with a $600\text{A}/\text{m}^2$ Current Density.

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MMO String Anode

YUXI String Anode is comprised of multiple MMO tubular anodes and cable, which are connected by special pure copper connectors, designed by YUXI to achieve a high-tensile but low resistance and water proof connection.

YUXI String Anode is factory-assembled and ready for installation on-site. All connections are encapsulated with good epoxy resin to create a waterproof seal.



Canistered MMO Anode

YUXI Canister Anode can be used to protect buried metallic structure, transmission pipelines or buried tanks or a variety of other buried steel structures.

YUXI Canister Anode is comprised of spiral steel canisters, high conductive coke breeze, assembled with acid/chlorine resistant cable.

YUXI Canister Anode can be connected in string with built-in vent pipes per requirement. with good epoxy resin to create a waterproof seal.

APPLICATION

- ▶ String MMO Tubular Anodes for internal wall of tanks and offshore piles.
- ▶ Canister MMO Tubular for shallow vertical ground-beds
- ▶ Canister MMO Tubular Anodes for shallow horizontal ground-beds
- ▶ Canister MMO Tubular Anodes for Deep well
- ▶ Underground storage tanks
- ▶ Above Ground storage tanks



FEATURES



- ▶ Reliable, Dimensionally and Chemically Stable
- ▶ Low and uniform consumption rate leads to long anode life
- ▶ MMO automated application enabling superior adherence between coating and substrate
- ▶ High chemical stability, even in environments in low pH values
- ▶ Lightweight (Easy transportation and easy handling)

CHEMICAL COMPOSITION

Anode	MMO Coating / Titanium Tube
Substrate	ASTM B338 Titanium Grade I Titanium Tube
Coating	Ir-Ta Mixed Metal Oxide Catalyst Ir-Ru Mixed Metal Oxide Catalyst

ELECTROCHEMICAL PROPERTIES

Anode Model	Anode Diameter	Anode Length	Current Output In Coke/Soil (100A/m ²)	Current Output In Seawater (600A/m ²)	Life Expectancy
YX - MMO - T160	5/8" (16.0mm)	39.4" (1000mm)	5Amps	30Amps	25yrs.
YX - MMO - T190	3/4" (19.0mm)	39.4" (1000mm)	6Amps	36Amps	
YX - MMO - T250S	1" (25.0mm)	19.7" (500mm)	4Amps	24Amps	
YX - MMO - T250	1" (25.0mm)	39.4" (1000mm)	8Amps	48Amps	
YX - MMO - T250L	1" (25.0mm)	60" (1524mm)	12Amps	72Amps	
YX - MMO - T320	1 1/4" (32.0mm)	48" (1220mm)	12Amps	72Amps	
YX - MMO - T500	2" (50.0mm)	47.2" (1200mm)	19Amps	114Amps	

- ▶ All weights and dimensions are nominal and subject to variation in material compositions and our foundry tolerance.
- ▶ Above standard sizes are available at Jennings Anodes warehouse. Other configurations are available upon special request.

Please kindly contact YUXI Sales Representatives for further assistance.

Ordering Information

- ▶ Anode Model and Anode Configuration
- ▶ Quantity
- ▶ Delivery Address (Estimated Shipping Cost)