



MMO Tubular Anode

※ **MMO Tubular Anode** consist of titanium tube coated with mixed metal oxides and linked with all types of Cathodic Protection cables. It has features of High Current Output and Low Coating Wear Rate.



- **Titanium Substrate**

Test Standard- ASTM B338 Gr1

CHEMICAL COMPOSITION							
Fe	C	N	H	O	Residuals element (each)	Residuals elements (total)	Ti
≤0.2	≤0.08	≤0.03	≤0.015	≤0.18	<0.1	<0.4	balance

- **Coating**

IrO₂/Ta₂O₅ or RuO₂/IrO₂/TiO₂

- **Coating Method**

Multi layer thermal decomposition of precious metal salts

- **Working Environment**

Suitable for Cl₂&O₂ or combination of both

- **Anode/Cable Connection Centre connection**

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Less than 0.001Ohm, epoxy resin encapsulated and helium tested to prove effective seal

● **Anode Dimensions and parameters**

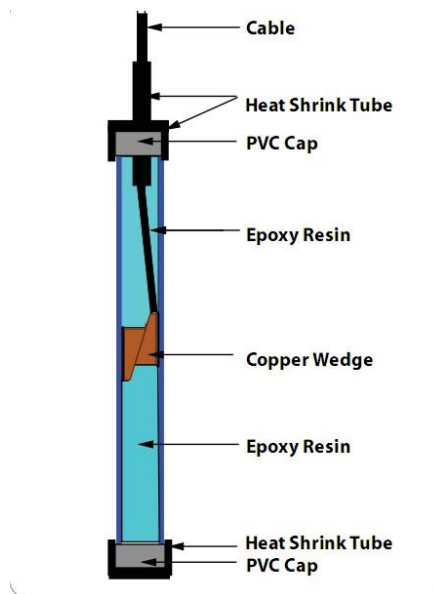
Dia. (mm)	Length (mm)	Thickness (mm)	Weight (Kg)	Surface (m ²)	Current (A/m)	Life (y)
16	1000	1.0	0.212	0.050	5.0	20
19	1000	1.0	0.254	0.060	6.0	20
25	1000	1.0	0.339	0.079	8.0	20
25	1000	1.5	0.498	0.079	8.0	20
32	1000	1.0	0.438	0.121	12.0	20

✧ Other dimensions is available as client's request

● **Application:**

Deepwel Groundbeds, Horizontal Groundbeds, Tank Internals and Tank Bottoms, Marine Structures, Seawater Tanks, Suitable for use in soils, mud, carbonaceous, coke backfill etc.

● **Tubular Anode Connection**



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