MMO TITANIUM ANODES

The activated MMO titanium anode consists of a thin coating film applied to a titanium substrate, ensuring its long lifespan. The specific ceramic metal oxide is specially formulated for each type and extensively tested at particularly high current densities to guarantee a high-quality product.

This type of ceramic coating, obtained from mixed metal oxides of iridium, tantalum, and titanium, allows the anode an optimal dissolution rate, superior to any other anodic material currently known on the market. This ensures a more conservative and optimal design that guarantees a long life even under the most critical operating conditions, such as deep well groundbeds and offshore applications.

Since the ceramic anode coating withstands oxygen and chlorine evolution well, it is recommended for use in fresh water, seawater, mud, brackish water, and in groundbeds utilizing coke backfill.

The ceramic anode coating is also resistant to abrasion corrosion, making it recommended for the most critical applications required in industrial cathodic protection systems. The **MMO-Titanium anode** is typically designed for a **20-year lifespan** at maximum design current; naturally, the lifespan will be longer if the supplied current is lower. They can be provided for standard or high output currents. Specific types and versions for longer lifespans are designed according to customer requirements.

Technical Specifications

Diameter (mm)	Length (mm)	Anodic Current (Ampere)	Service Life (Years)
19	1200	7.2	20
25	500	4	20
25	1000	8	20
25	1220	10	20
25	1500	12	20
32	1220	12	20