

TECHNICAL DATA SHEET: TELPRO.09

MIXED METAL OXIDE ACTIVATED 19.05mm DIA TITANIUM TUBULAR ANODE x 1000mm LONG FOR CATHODIC PROTECTION DESIGN LIFE 20 YEARS IN SEAWATER

Product Code: MMO/Ti/Tube/19.05/1000/SW

Activation: Noble Mixed Metal Oxides consisting of IrO₂ and Ta₂O₅

Substrate Material: Titanium to ASTM Grade 1 or 2 Chemical Composition

Working Environment: Evolution of O₂, Cl₂ or a combination of both in seawater

Nominal Dimensions of 19.05mm Dia MMO/Ti Tubular Anode:

Diameter 19.05mm (3/4 inch)

Length 1000mm (3.28ft)

Wall Thickness 0.9mm

Weight 0.23 Kgs

Surface Area of 19.05mm Dia MMO/Ti Tubular Anode x 1000mm: 0.06m²

Current Output of 19.05mm dia x 1000mm Anode when operating at 600A/m²: 36A

Design Life: 20 years when operating at 36A in seawater

Attenuation in current density when centre connected in 20 ohm.cms seawater – less than 1%

Internal Resistance of a 0.5m length of anode tube: 0.0048 ohms

MMO Anode supplied as a bare tube with cable attachment by others – anode to cable contact resistance to be less than 0.001 ohms.