

## TECHNICAL DATA SHEET: NMT09

### 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 IrO<sub>2</sub> and Ta<sub>2</sub>O<sub>5</sub>

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

**Working Environment:** Evolution of O<sub>2</sub>, Cl<sub>2</sub> 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** 0.23kgs

Surface Area of 19.05mm Dia MMO/Ti Tubular Anode x 1000mm: 0.06m<sup>2</sup>

Current Output of 19.05mm dia x 1000mm Anode when operating at 600A/m<sup>2</sup>: 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.