



# MIXED METAL OXIDE ANODES

## IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM



REV.	Date	Description/Issued for	Prepared	Checked	APP
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**TECHNICAL DATA SHEET**

**SHAPE**

TUBLAR

**STANDARDS**

NACE-TM0108, ASTM-B 338, IGS-M-TP-22

**SUBSTRATE**

TITANIUM ASTM B338 GRADE 1 OR 2

**COATING**

MIXED METAL OXIDE IrO<sub>2</sub> / Ta<sub>2</sub>O<sub>5</sub>

<b>DIMENSION AND WEIGHT</b>		<u>Diameter</u>	<u>Length</u>	<u>Surface Area</u>	<u>Approx. Weight</u>
	TYPE 1 <input type="checkbox"/>	25mm	1000mm	0.08 m <sup>2</sup>	1000g
	TYPE 2 <input type="checkbox"/>	25mm	500mm	0.04 m <sup>2</sup>	500g
	TYPE 3 <input type="checkbox"/>	32mm	1200mm	0.12 m <sup>2</sup>	1700g

**CABLE TYPES**

Length	5 m		
Size	1×16 m <sup>2</sup>		
Insulation/Sheat	XLPE/PVC <input type="checkbox"/>	PVC/PVC <input type="checkbox"/>	HMWPE/PVDF <input type="checkbox"/>

**MAXIMUM OUTPUT CURRENT**

Environment	TYPE 1 <input type="checkbox"/>	TYPE 2 <input type="checkbox"/>	TYPE 3 <input type="checkbox"/>
Petroleum Backfill	8A.	4A.	12A.
Fresh water	8A.	4A.	12A.
Mud/Brackish water	8A.	4A.	12A.
Sea water	50A.	25A.	---

The coating mass shall be sufficient for loading characteristics according to table below for the minimum 25 years of design life.

**LIFE TIME**

Electrolyte	Maximum Current density, A/m <sup>2</sup>
Calcined petroleum coke	100
Fresh water	100
Brackish water	100-300
Sea water	600

**With Canister**

Length: 120 cm  
Diameter: 12 cm  
Coke Type: Type 2 (90%)  
Coke Weight: 15 Kg  
Total Approx. Weight with Anode: 16 Kg

**without Canister**

