



HIGH SILICON CAST IRON ANODE (HSCI ANODE)

IMPRESSED CURRENT CATHODIC PROTECTION SYSTEM

REV.	Date	Description/Issued for	Prepared	Checked	APP

TECHNICAL DATA SHEET



TYPE

- Tantiron "N" Rod Type
 Tantiron "C" Tubular Type

FIGURE

- Single Ended
 Double Ended
 No Ended Type

CHEMICAL COMPOSITION

Carbon	0.9%-1.0%
Silicon	14.25%-14.75%
Chromium	4.3%-5.0%
Manganese	1.5% max
Molybdenum	0.2% max
Copper	0.5% max
Iron	Remainder

DIMENSION & WEIGHT

Diameter	51 mm
Length	1525 mm
Head Diameter	76 mm
Surface Area	0.24 m ²
Approx. Weight	22.5 Kg

PHYSICAL PROPERTIES

Density	7 – 7.05 g/cm ³
Hardness	500 Brinell - min
Compressive Strength	650 Mpa - min
Electrical Resistivity	72 μΩ.cm - max
Impact Resistance	0.1 J - min

CABLE

Length	2000 mm	
Size	1×16 mm ²	
Connection To Anode	<input checked="" type="checkbox"/> Lead Caulking <input type="checkbox"/> Pin Type <input checked="" type="checkbox"/> Standard Type <input type="checkbox"/> Single Jacket PVC <input type="checkbox"/> Chlorine Resistance Type <input type="checkbox"/> Single Jacket HMWPE <input type="checkbox"/> <input checked="" type="checkbox"/> Double Jacket XLPE/PVC <input type="checkbox"/> <input type="checkbox"/> XLPE/SWA/PVC <input type="checkbox"/> <input type="checkbox"/> Single Jacket PVDF <input type="checkbox"/> <input type="checkbox"/> Double Jacket HMWPE/PVDF	
Cable Insulation Type		

TECHNICAL DATA SHEET

ENCAPSULATION

- PVC Cap
- Heat Shrinkable Cap
- PVC & Heat Shrinkable Cap

BACKFILL

Canister Dimension	Length	2130 mm
	Diameter	250 mm
Coke Type	Type 1 (80%)	
<input checked="" type="checkbox"/> Yes (With Canister)	Approx. Coke Weight	73 kg
	Approx. Total Weight: (With Anode)	Approx. Total Weight: (With Anode)
<input type="checkbox"/> No (Without Canister)		

Authorized Signature Company's Stamp