

## High Silicon Cast Iron Anode Sled

High Silicon Cast Iron (HSCI) Anode Sled is an auxiliary anode device used in Impressed Current Cathodic Protection (ICCP) systems for offshore steel structures. It consists of multiple high silicon cast iron tubular anodes mounted on a reinforced concrete or corrosion-resistant frame. Deployed on the seabed or in waters near docks, it delivers protective current to steel structures via a shore-based rectifier, effectively preventing electrochemical corrosion in seawater.

### KEY FEATURES

- 1.Strong Corrosion Resistance, Low Consumption Rate
- 2.High Current Output
- 3.Robust Construction
- 4.Flexible Installation
- 5.Long Service Life

### PRODUCT SPECIFICATIONS

**Anode Material:**High Silicon Cast Iron

**Chemical Composition:**Si:14.25-15.25%,  
Mn:0.5-1.5,C: 0.8-1.4%, Cr:4-5,Fe: remainder

**Anode Shape:**Tubular / Rod

**Anode Rod Diameter:**Φ50-100mm

**Anode Rod Length:** 1000-1500mm

**Consumption Rate:**0.1 ~ 0.5 kg/A·a

**Unit Weight:**Up to 476kgs

**Maximum Current Output:**Up to 160 A (in seawater)

**Service Life:**≥20 years

### APPLICATIONS

- 1.Offshore Oil Platforms
- 2.Ports & Docks
- 3.Submarine Pipelines
- 4.Power Plants & Water Facilities
5. Freshwater / Brackish Water Alternating Environments

