

Hanging Aluminum Anode

The Hanging Aluminum Anode is a hanging-type sacrificial anode cast from Al-Zn-In (Aluminum-Zinc-Indium) series aluminum alloy. Designed for internal cathodic protection of boilers, heat exchangers, seawater storage tanks, and salt-containing cooling water equipment, the anode protects carbon steel substrates from corrosion by preferentially consuming itself through electrochemical corrosion. The anode is secured via a 4" 150# hanging assembly.

PRODUCT FEATURES

1. High Efficiency
2. Easy Installation & Replacement
3. Flexible Connection Option
4. Scalable Protection
5. Customizable Sizing

PRODUCT SPECIFICATIONS

Hanging Assembly: 4-inch 150# design for suspending the anode

Connection Options: Victaulic or flanged connections available

Assembly Configurations: Single, dual, or triple hanging anode assemblies available

Steel Core: Plated steel core

Lead Wire: Typical 3meters length, 1×4mm², insulated copper wire, solder connected

Open Circuit Potential: -1.10 to -1.18 V (vs. SCE, seawater)

Actual Capacitance: ≥2500A.h/kg

Current Efficiency: ≥85%

APPLICATIONS

1. Boilers: Internal cathodic protection of boiler water chambers and drums
2. Heat Exchangers: Protection of carbon steel tubesheets, channels, and end bells
3. Seawater Storage Tanks: Corrosion prevention in marine environment storage systems
4. Salt-Containing Cooling Water Equipment: Protection against chloride-induced corrosion in cooling systems



Chemical Composition(wt.%)

Iron (Fe).....	0.09 max
Silicon (Si)	0.12 max
Copper (Cu).....	0.003 max
Zinc (Zn)	2.50-5.75
Indium (In)	0.015-0.040
Cadmium (Cd)	0.002 max
Aluminum (Al)	remainder