

INTRODUCTION :

We are manufacturer and exporter of Anodes & Non-Ferrous Castings. Quality, precision and performance have been the guiding principles of **PARAS METALS**, ever since its establishment in the year 1998. Our company has, over the years, established a strong foothold in the industry as a highly acclaimed manufacturer and domestic supplier of superlative quality Sacrificial Anodes, Electroplating Anodes, Dies and Die Castings, Non-Ferrous Castings, etc. A-grade raw materials like Lead, alloy ignots, zinc, tin, etc. are used to manufacture these products, making them extremely sturdy and long lasting. All our products are competitively priced and are made available to the clients within a particular time frame, so that our clients' businesses do not suffer at our cause. Owing to our honest trade practices and a dedicated approach towards our business, we have established a strong client base throughout in India & overseas market. We are exporting our products to various countries like U.S.A, Singapore, U.A.E, Saudi Arabia, etc.

SACRIFICIAL ZINC ANODE WELD TYPE

Chemical Composition of zinc anode is as per U.S.-Mil-A-18001K



ASTM B-418 Type I & II are composition standards are followed in India



SACRIFICIAL ZINC ANODE - Technical Specification

Anode used for freshwater, backfill and soil applications are of ASTM-B 418 (Typell) Standard. The chemical composition, electrochemical properties as follows:

Chemical Composition

Aluminium - 0.005% max
Cadmium - 0.003% max
Iron - 0.0014% max
Copper - 0.002% max
Lead - 0.003% max
Others -
Zinc - Reminder

Electrochemical properties

- Anode Open Circuit Potential - 1.1 v
- H Anode Consumption Rate - 11.24Kg/(A.Yr) max.
- H Anode Utilization Factor - 60%

Anode used for seawater, brackishwater, or saline applications are of U.S-Mil-A-18001K or ASTM-B 418 (TypeI) Standard. The chemical composition, electrochemical properties as follows :

Chemical Composition

Aluminium 0.1 - 0.5%
Cadmium - 0.025 - 0.07%
Iron - 0.005% max
Copper - 0.0005% max
Lead - 0.006% max
Others - 0.1% max
Zinc - Reminder

Electrochemical properties

- H Anode Open Circuit Potential - 1.1 v
- H Anode Consumption Rate - 11.24Kg/(A.Yr) max.
- H Anode Utilization Factor - 60%

SACRIFICIAL AL ANODE WELD TYPE

Chemical Composition for Al Anodes is as per ALALLOY III



ALUMINIUM ALLOY ANODE - - Technical Specification

Al alloy Anodes are used for wide variety of applications including the hulls and tanks of ships, fixed off shore structures, semi submersibles, pipelines and Jetties. The chemical composition, electrochemical properties as follows:

Chemical Composition (ALALLOYIII)

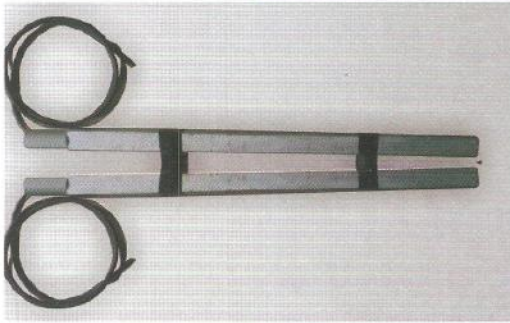
Zinc - 2.8-6%
Indium - 0.01 - 0.03%
Iron - 0.15% max
Copper - 0.006% max
Silicon - 0.21% max
Others - 0.02% max
Aluminium - Reminder

Electrochemical properties

- H Anode Open Circuit Potential - 1100mV
Ag/Agcl/Seawater
- H Anode Current Capacity - 2700Ah/kg

ZINC GROUNDING CELL

Zinc Grounding Cell



Cell Assembly Images



ZINC GROUNDING CELL - Technical Specification

DATA SHEET FOR ZINC GROUNDING CELL

TYPE

Dimension of Zn Anode

Bare Weight

Weight of Backfill

Prepacked Weight

Open Circuit Potential

M.S.insert Dimension

Tolerances for length,width,thickness

Current Capacity

Actual Consumption

SOLID ANODE

40 x 40 x 920 mm

10.6kgs

70 kgs

110 kgs

- 1.05 to - 1.11v

M8 x 600 mm galvanised rod

+/- 5%

750 Amp Hr/Kg

11.2kg/Amp Year.

DATA SHEET FOR ZINC GROUNDING CELL

DESCRIPTION

Zinc Electrode size 40 x40 x920 wt 10.6 kg

Bakelite spacer 50 x50 x25 mm

Gypsum,Bentonite and Sodium Sulphate

Tape Strip

Cotton Bag 290 x 1300 mm long

Cable 25 sq mm

Set of Nut ,Bolt &Washer

DESCRIPTION QTY

2 nos

2 nos

As reqd.

As reqd.

1 nos

As reqd

1 nos

SACRIFICIAL ZINC ANODE BOLT TYPE

Chemical Composition of zinc anode is as per U.S.-Mil-A-18001K



ASTM B-418 Type I &II are composition standards are followed in India

