

## GENERAL:

Zinc Sacrificial Anodes are used in marine and soil applications where electrolyte resistivity is less than 1000 ohm-cm. Zinc Anodes can be Bare or Pre-packaged.

VTS can supply various size & shape of Zinc Anodes as per client requirement.

## SPECIFICATIONS:

### CHEMICAL COMPOSITIONS:

	Al%	Cd%	Fe%	Pb%	Cu%	Zn%
ASTM-B-418 type I	0.1-0.5	0.02-0.07	0.005 max	0.006 max	0.006 max	Balance
ASTM-B-418 type II	0.005 max	0.003 max	0.0014 max	0.003 max	0.002 max	Balance
US MIL SPEC 18001K	0.1-0.5	0.02-0.07	0.005 max	0.006 max	0.006 max	Balance

### ELECTROCHEMICAL PROPERTIES:

	Open Voltage (-V)	Closed Voltage (-V)	Capacity A.h/Kg	Efficiency Min.
ASTM-B-418 type I	1.05 min(-V)CSE	1.00 min(-V)CSE	780	95%
ASTM-B-418 type II	1.10 min(-V)CSE	1.05 min(-V)CSE	740	90%

### Zinc Bare Anode:

VTS Zinc bare anodes specification is in line with US Mil Spec 18001K.

#### Application:

Ship parts such as Hull, Ballast Tank, Sea Chest, Rigs spud can, leg, Storage tanks, Internals of vessel with high electrolyte resistivity.

Anodes can be connected to the structure by means of wedding, bolting etc.



### Zinc Prepacked Anode:

VTS Zinc anodes specification is in line with ASTM B 418 Type II.

Anode are prepacked in a cotton bag with mixture of gypsum, bentonite and sodium silicate.

Anode size & cable shall be of customized size.

#### Application:

Underground tank, pipeline cathodic protection where soil resistivity is less than 1500 ohm-cms.

