

GENERAL:

Aluminium Sacrificial Anodes are most widely used to protect marine and offshore structures where electrolyte resistivity is lower.

VTS Aluminium Anodes are in line with international standard specification like NV R PB 401, ISO 15589 Part II etc.

SPECIFICATIONS:

CHEMICAL COMPOSITIONS:

	Cu%	Zn%	Fe%	In%	Si%	Al%
DNV R PB 401	0.003 max	2.5-5.75	0.09 max	0.015-0.04	0.12 max	Balance

ELECTROCHEMICAL PROPERTIES:

	Open Voltage (-V)	Closed Voltage (-V)	Capacity A.h/Kg	Efficiency
DNV R PB 401	1.1 min (-V) w.r.t. Ag/AgCl Ref Electrode	1.05 min (-V) w.r.t. Ag/AgCl Ref Electrode	2000	80%-90%

ALUMINUM ANODES: APPLICATION

Offshore Platform:

Aluminium alloy anodes used in cathodic protection of Offshore platforms such as well head platforms, process platforms, rig components etc. Generally these anodes are heavy in weight and connected to the cathode by means of pipe insert. Anodes inserts are cow horn or goal post type.



Bracelet Anodes:

Sub Sea pipe line: Half shell bracelet anodes are used to protect subsea pipeline. These anodes are 2 identical half shells and installed on the pipeline during concrete coating by means of welding or bolting arrangements.



Marine Anodes:

These anodes are used to protect ship components such as hull, ballast tank, sea chest etc. from corrosion.

