

GENERAL

Aluminium anodes are recommended for seawater offshore applications.
The main properties of these anodes are:

- high current capacity.
- current capacity maintenance with time
- constant potential with time (no polarization).

Aluminium anodes are available in a wide range of dimensions and alloy compositions.
Various shapes and dimensions allow a wide range of utilization and meet the most demanding requirements.

SOME TYPICAL APPLICATIONS

According to different environmental conditions, suitable alloy composition of anodes can be employed for the following applications:

- ship hull.
- piers.
- ballast tanks.
- sealines.
- Inlet cooling system and heat exchangers.

NOTE

Detailed informations on various aluminium anode shapes and sizes are available on request.

ELEMENTS	ALLOY COMPOSITION		
	A	B	C
Si	0,11 + 0,21	0,10 max	0,10 max
Fe	0,10 max	0,13 max	0,13 max
Zn	0,30 + 0,50	3,5 + 5	4 + 5
Sn	-	-	0,08 + 0,16
Hg	0,02 + 0,05	-	-
In	-	0,02 + 0,05	-
Cu	0,006 max	0,006 max	0,01 max
Al	Remaining	Remaining	Remaining
Potential	1,05 Volt Ag/Ag Cl Ref	1,10 Volt Ag/Ag Cl Ref	1,10 Volt Ag/Ag Cl Ref
Capacity (Ampere/ora)	2830 per Kg 1288 per Lb	2700 per Kg 1229 per Lb	2750 per Kg 1252 per Lb
Efficiency	95 %	90 %	50 + 80 %