

SACRIFICIAL ANODES

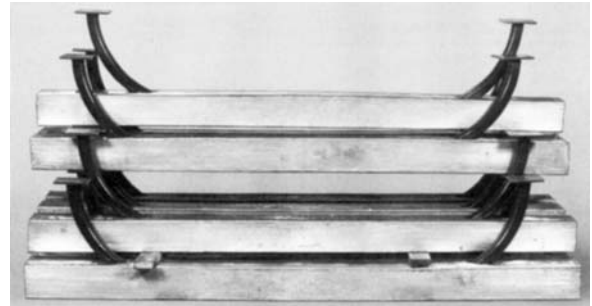
Offshore Platform Cast Aluminum Anodes

Powerful Protection For Massive Structures

Saltwater is a hostile environment for the submerged metal supports on offshore platforms. To defend against this corrosive setting, Corrpro offers a full line of large cast aluminum anodes that are made to two alloying standards.

Alloy I has an open circuit voltage of 1.05 (with respect to an Ag/AgCl reference cell), and delivers a current output of 1280 amp.-hrs./lb. in saltwater. Alloy II generates a higher open circuit potential of 1.10 volts and an ampacity of 1150 amp.-hrs./lb. in saltwater. The composition contains nominal additions of indium, silicon, and zinc, which help to guard against the buildup of pacifying films around the anode. This is especially important in saline muds and brackish waters. In these environments, the Alloy II anode outperforms the Alloy I anode by providing greater current output.

Both types of anodes are manufactured with steel cores made from heavyweight Schedule 80 pipe. The pipe can be supplied in a wide variety of core configurations to accommodate numerous specifications and applications.



Typical Applications

Corrpro aluminum platform anodes are designed specifically for use on offshore drilling jackets. The two alloy compositions deliver effective galvanic protection in saltwater environments. In situations where the anode will be buried in saline mud or exposed to water with lower chloride levels, the Alloy II anode will provide more current and better protection. Additionally, since Alloy I contains a slight amount of mercury, it should not be employed in restricted water-flow areas where concentrated levels of mercury can accumulate.

CHEMICAL COMPOSITION

Element	Content %	
	Alloy I	Alloy II
Zn	0.35-0.48	2.8-3.5
SI	0.14-0.21 max	0.08-0.12 max
Hg	0.035-0.048	–
In	–	0.01-0.02
Aluminum	Remainder	Remainder



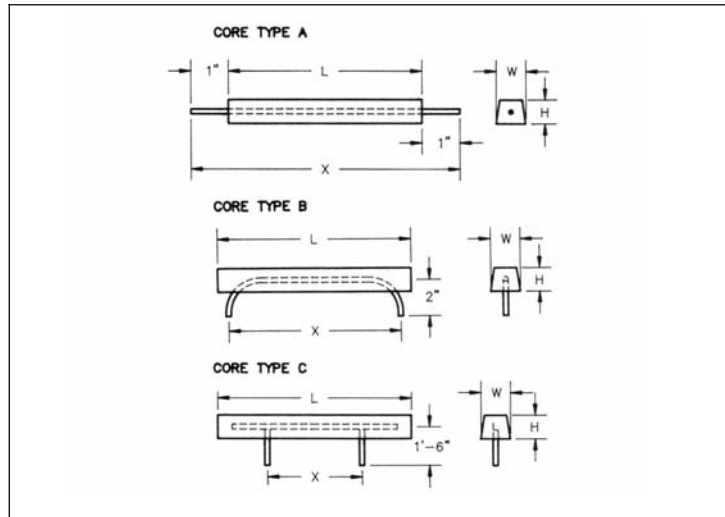
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Ordering Procedure

Corrpro aluminum platform anodes are manufactured in a number of anode weights and core configurations. To order the required anode for your structure, indicate that you need an aluminum platform, and specify the quantity desired, alloy grade, anode type, and core configuration. All platform anodes are shipped standard with Schedule 80 pipe cores unless otherwise specified. An example is provided to help illustrate this process.

Ordering Procedure Example	
ITEM	EXAMPLE
Quantity	200
Anode Material	Aluminum Platform
Alloy Composition	Alloy II
Anode Type	H490
Core Type	A



Standard Dimensions and Shipping Weights

ANODE TYPE	NOMINAL DIMENSIONS			NET ALUM. WT. lbs. (kg)	CORE TYPE LENGTH (X)		
	L ft. (m)	W in. (mm)	H* in. (mm)		A ft. (m)	B ft. (m)	C ft. (m)
H325	8 (2.44)	6.5 (165)	6.5 (165)	325 (147.4)	10 (3.05)	7 (2.13)	7 (2.13)
H365	5 (1.52)	8 (203)	8 (203)	365 (165.6)	7 (2.13)	7 (2.13)	4 (1.22)
H408	6 (1.83)	8 (203)	7.5 (191)	408 (185.1)	8 (2.44)	8 (2.44)	5 (1.52)
H450	7 (2.13)	8 (203)	7.5 (191)	450 (204.1)	9 (2.74)	9 (2.74)	6 (1.83)
H490	8 (2.44)	8 (203)	7 (178)	490 (222.3)	10 (3.05)	10 (3.05)	7 (2.13)
H535	9 (2.74)	8 (203)	7.5 (191)	535 (242.7)	11 (3.35)	11 (3.35)	8 (2.44)
H572	10 (3.05)	8 (203)	7.5 (191)	572 (259.5)	12 (3.66)	12 (3.66)	9 (2.74)
H614	11 (3.35)	8 (203)	7.5 (191)	614 (278.5)	13 (3.96)	13 (3.96)	10 (3.05)
H725	8 (2.44)	9.5 (241)	9.5 (241)	725 (328.9)	10 (3.05)	10 (3.05)	7 (2.13)
H825	5 (1.52)	12 (305)	12 (305)	825 (374)	7 (2.13)	7 (2.13)	4 (1.22)
H915	6 (1.83)	12 (305)	11 (280)	915 (415)	8 (2.44)	8 (2.44)	5 (1.52)
H1000	7 (2.13)	12 (305)	11 (280)	1000 (454)	9 (2.74)	9 (2.74)	6 (1.83)
H1080	8 (2.44)	12 (305)	11 (280)	1080 (490)	10 (3.05)	10 (3.05)	7 (2.13)
H1180	9 (2.74)	12 (305)	10 (254)	1180 (535)	11 (3.35)	11 (3.35)	8 (2.44)
H1260	10 (3.05)	12 (305)	10 (254)	1260 (572)	12 (3.66)	12 (3.66)	9 (2.74)
H1348	11 (3.35)	12 (305)	10 (254)	1348 (611)	13 (3.96)	13 (3.96)	10 (3.05)

Other offshore anodes can be cast in lengths of up to 12 feet.

*Heights for anodes with Type C cores are between 0.5" and 1.0" smaller.



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