

BAC[®]
product



***ALUMINIUM
ANODES***



Cathodic Protection

Standard Aluminium Hull Anodes

Type	Anode weight kg	Alumin. weight kg	L mm	B mm	H mm	Overall length mm	Overall breadth mm	Shape
15 AL	1.5	1.1	220	100	30	300	100	
25 AL	2.5	2.0	270	120	32	350	120	
43 AL	4.3	3.4	370	120	32	450	120	
60 AL	6.0	5.2	600	120	41	700	120	
80 AL	8.0	7.5	350	150	62	450	150	
90 AL	9.0	7.8	960	120	37	1060	120	
114 AL	11.4	10.6	600	120	76	700	120	
170 AL	17.0	15.8	960	120	73	1060	120	
350 AL	35.0	31.6	1920	120	71	2000	170	
399 AL	39.9	33.3	2500	105	60	2580	185	
93 AL	9.3	7.9	960	120	37	1010	170	
175 AL	17.5	16.1	960	120	73	1010	170	

Fixing by welding



Double anode type. Fixing by welding

Mounting in series of two anodes. - All types can be delivered for bolting. - All weights and dimensions are nominal

Standard Aluminium Anodes - Static Structures

Type	Anode weight kg	Alumin. weight kg	L mm	B mm	H mm	Overall length mm	Shape
280 HAL	27.3	21.5	1000	112	90	1500	
385 HAL	37.7	30.0	1400	112	90	2000	
485 HAL	47.7	40.0	1450	130	100	2000	
516 HAL	51.6	40.0	2015	110	85	3000	
566 HAL	56.6	45.0	2250	110	85	3000	
585 HAL	57.7	50.0	1500	140	110	2000	
616 HAL	61.6	50.0	2480	110	85	3000	
625 HAL	62.5	54.8	1500	140	120	2000	

Extending core \varnothing 25 mm

HAL Type anodes with variable lengths up to 2.5 m are available upon request. - All weights and dimensions are nominal

Chemical Composition:	BERALIN ALLOY		BACALIN ALLOY	
	Zn	3.5 - 6.5 %	3.5 - 6.5 %	
In	0.01 - 0.03 %	0.01 - 0.03 %		
Mn	0.01 % max.	0.1 - 0.25 %		
Fe	0.13 % max.	0.22 % max.		
Si	0.10 % max.	0.10 % max.		
Cu	0.006 % max.	0.01 % max.		
Al	remainder	remainder		

Electrochemical Properties:	BERALIN ALLOY		BACALIN ALLOY	
	Closed circuit potential:	-1100 mV vs Ag/AgCl	-1120 mV vs Ag/AgCl	
Current capacity:	max. 2680 Ah/kg	max. 2550 Ah/kg		
Efficiency:	90 %	86 %		
Consumption:	3.27 kg per Ampere/Year	3.45 kg per Ampere/Year		

Special Advantages:	BERALIN ALLOY		BACALIN ALLOY	
		High current capacity, very suitable in applications, where the anode weight should be minimized e. g. offshore structures.	High driving voltage, very suitable in applications where water resistivity limits the use of standard aluminium alloy.	

Closed circuit potential measured at 4 A/m² current density. - Current capacity determined acc. to D.N.V. RP B401. March 1986.

Standard Aluminium Tank Anodes

Type	Anode weight kg	Alumin. weight kg	L mm	B mm	H mm	Overall length mm	Overall height mm	Shape
68 TAL C3	6.8	5.2	700	60	50	135		
107 TAL C3	10.7	9.1	750	77	65	140		Integral centre clamp # to length
68 TAL C4	6.8	5.2	700	60	50	180		
107 TAL C4	10.7	9.1	750	77	65	185		Integral centre clamp ⊥ on length
44 TAL	4.4	3.8	400	70	60	140		
96 TAL	9.6	8.5	750	77	65	135		Centre stand-off leg for welding or bolting
100 TAL	10.0	8.7	1235	62	45	1415		
125 TAL	12.5	11.2	1235	68	57	1415		
200 TAL	20.0	18.4	1600	76	63	1780		
105 TAL	10.3	8.7	1235	64	51	145		
130 TAL	12.8	11.2	1235	68	58	145		
160 TAL	15.7	13.7	1600	70	52	145		
200 TAL	19.7	17.7	1600	76	63	145		
230 TAL	22.6	20.0	2100	74	56	145		
320 TAL	31.7	29.7	1600	95	84	165		
								For direct welding or bolting to flat bar

All anodes can be manufactured with double cranked insert.

Other anode types are manufactured according to requirements or specifications. All weights and dimensions are nominal



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