

# Zinc Anodes

Corrpro's Zinc anode alloy Zincoline specifically meets the rigorous demands of the offshore industry. The anode alloy was introduced following extensive trials and independent verification of the alloys long term electrochemical Performance.

Our standard range of alloys is detailed in the tables. Other alloy formulations or modifications to the standard alloys, e.g. in respect of limits on residual elements, can be manufactured to customer specification.

## Specification

	US MIL A-18001K ASTM B	ASTM B 418 Type II	Zincoline
<b>Element</b>	<b>Analysis (% by Weight)</b>		
Aluminium	0.1 - 0.5	0.005 max	0.1 – 0.5
Cadmium	0.025 – 0.07	0.003 max	0.025 – 0.07
Iron	0.005 max	0.0014 max	0.005 max
Lead	0.006 max	0.003 max	0.006 max
Copper	0.005 max	0.002 max	0.005 max
Others	0.10 max each	-	0.02 max each
Zinc	Remainder	Remainder	Remainder
Solution Potential (Closed Circuit)	1.05V wrt Ag/AgCl	1.05 wrt Ag/AgCl	1.05V wrt Ag/AgCl
Capacity (mean)	780 Ah/Kg	780 Ah/Kg	780 Ah/Kg
Alloy Density	7.00 g/cc	7.00 g/cc	7.00 g/cc

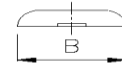
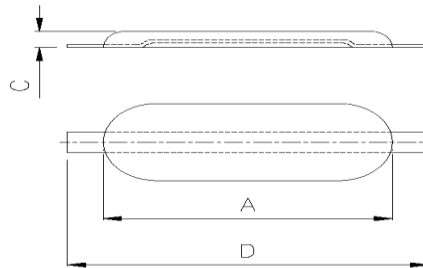
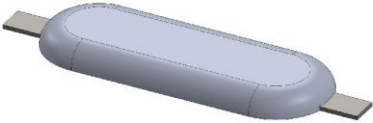
**Note: 778S electrochemical properties are in accordance with DNV-RP-B401 long-term testing**

US MIL A-18001K is the internationally accepted and preferred alloy for general use in sea water, brackish waters and other saline solutions.

The ASTM Type II alloy is more appropriately used for anodes in potable waters and in other environments.

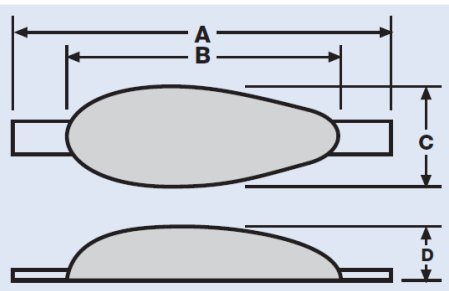
Corrpro, formally Wilson Walton International, has an extensive range of standard anode types, including flush-fit, stand-off and bracelet anodes comprising of conventional half shell and tapered designs, segmented and saddle anodes. A list of some of the standard types is provided below, however after casting anodes for more than 30 years, Corrpro has the experience and expertise to produce anodes that meet most client's specific requirements. Alternatively, Corrpro can provide bespoke sacrificial anode Cathodic Protection systems that mitigate corrosion throughout the complete design life of any structure.

Type	A	B	C	D	Insert Dims.	Nett Wt.	Gross Wt.
WP3	300	200	95	30	40 X 3	3.1	3.2
W6Z	350	270	150	32	40 X 6	6.5	7.1
W11Z	500	400	150	32	40 X 6	10.8	11.8
W14Z	650	550	130	50	40 X 6	21.3	22.5
W17Z	650	550	130	65	50 X 6	25.0	26.5
W18Z	650	550	130	95	50 X 6	42.6	44.1
W19Z	650	550	130	75	50 X 6	33.0	34.5
W24Z	1015	920	130	50	50 X 6	35.0	37.4



#### Teardrop Shape Zinc Anodes

Type	A	B	C	D	Insert & Dims.	Nett & Wt.	Gross Wt.
WP0	200	120	40	25	10 X 3	0.5	0.55
WP1	260	180	60	32	20 X 3	1.0	1.1
WP2	300	220	75	38	20 X 3	2.15	2.3
WP5	380	290	100	50	30 X 5	4.55	5.0
W10Z	400	280	150	75	40 X 6	10.0	10.7
W16Z	520	420	160	70	40 X 6	15.0	16.0



Zinc Tank Anodes

Type	A	B*	C	D	E	F (Dia)	Nett Wt.	Gross Wt.
WT50Z	1676	1219	63	57	12	19	21.0	22.5
WT70Z	1676	1219	76	68	12	23	30.0	32.0
WT90Z	1676	1219	82	78	12	25	40.0	42.0
WT110Z	1676	1219	94	91	20	32	50.0	54.0

