

Zincoline®

Sacrificial Anode, Cathodic Protection, Zinc Alloys

Revision 1

Applications:

Ballast tanks and CCE hulls of ships, crapyots, condensers, jetties, and subsea pipeline applications in bracelet configuration. Land based applications include pipelines, piling and tanks for earthing, temporary and permanent protection.



Zinc anodes are not suitable for use in applications above 50°C.

Characteristics:

Zincoline are cast from 99.995% purity zinc alloyed to ensure an even corrosion pattern, reliable electrical efficiency and long working life. Their effective life can exceed 20 years.

Materials:

Zincoline anodes are cast to AS2239 –2003 alloy Z1/US Mil Spec A-18001K and yield 780 ampere hours per kilogram of alloy with a solution potential of –1100mV as measured against a copper/copper sulphate reference cell.

The specification demands stringent analytical control and WWI, with a number of casting facilities throughout the world, use the very latest analysis and quality control techniques to produce products of a consistently high standard.

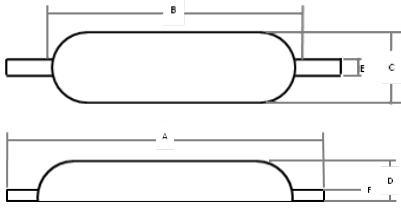
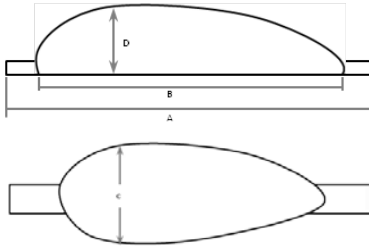
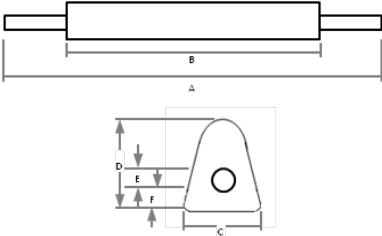
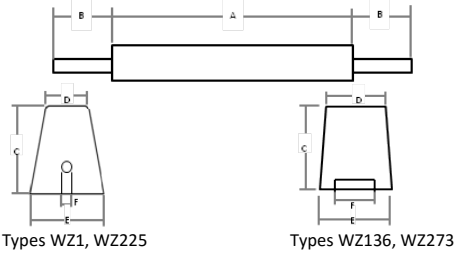
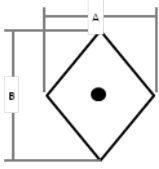
Product Range:

A list of standard anode types is given over, however, CCE have the facility to supply specialised designed anodes outside this range to suite custom end use requirements.

Chemical Composition

Element	Aluminium	Cadmium	Silicon	Iron	Lead	Copper	Other Impurities each	Other Impurities Total	Zinc
Min.	0.10	0.025	-	-	-	-	-	-	remainder
Max.	0.50	0.07	0.005	0.005	0.006	0.005	0.005	0.02	remainder

Zinc Anode Dimensions:

Shape	Type	A	B	C	D	E	F	G	Nett Wt.	Gross* Wt.
	WZ4	355	255	75	32	32	3		3.3	3.6
	WZ5(Y)	230	150	150	25	25	5		3.6	4.0
	WZ7	350	270	150	32	40	5		6.5	7.1
	WZ12	533	406	150	32	40	5		11.1	11.8
	WZ18	778	585	120	35	40	5		17.0	18.3
	WZ22	648	546	127	50	40	5		21.3	22.5
	WZ27	648	546	127	64	40	5		25.9	27.0
	WZ35	1016	914	127	50	40			35.0	36.5
Shape	Type	A	B	C	D	E	F	G	Nett Wt.	Gross* Wt.
	WZ2	305	228	75	38				2.25	2.55
Shape	Type	A	B	C	D	E	F	G	Nett Wt.	Gross* Wt.
	WZ23	1676	1219	64	57	12			21.3	22.6
Shape	Type	A	B	C	D	E	F	G	Nett Wt.	Gross* Wt.
	WZ1	200	100	25	25	35	3		0.92	0.95
	WZ25	1500	100	50	50	50	12		24.8	26.3
	WZ136	762	101	152	146	171	50	12	128.7	135.5
	WZ273	1524	101	152	146	171	50	12	263.3	272.3
Types WZ1, WZ225										
Types WZ136, WZ273										
Shape	Type	A	B	C	D	E	F	G	Nett Wt.	Gross* Wt.
	Reg size	16	22						1.76	
	Junior size	13	14						0.88	
	Mini size	9	12						0.36	

*includes weight of m.s. insert

All dimensions in millimetres and weight in kilograms

Other Anode Types are available on request

CORROSION CONTROL ENGINEERING

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DATA SHEET
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