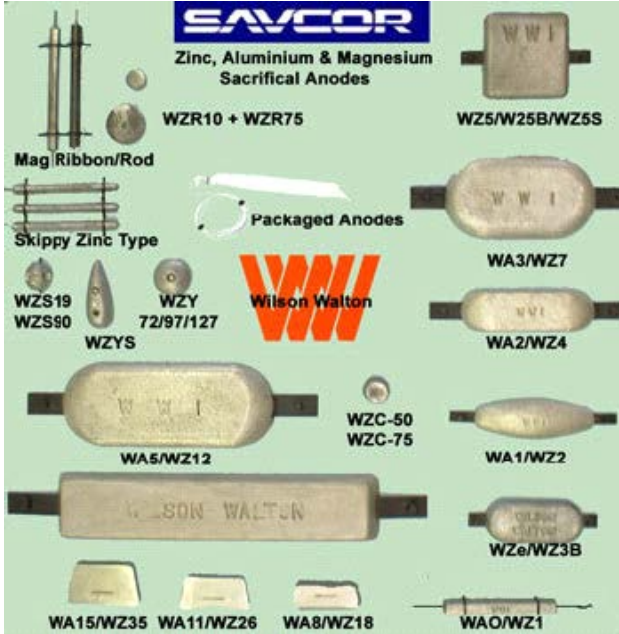


ANODES ALOLINE® (Aluminium Anodes)



Sacrificial Anode, Cathodic Protection, Aluminium Alloys



Applications:

Jetties	Craypots	Ships	Tanks
Semi submersibles		Pipelines	Water tanks

Characteristics:

Aloline anodes are cast from special aluminium alloys developed by WWI in conjunction with British Aluminium Co. Ltd. Suitably formulated for the specific applications, they are characterized by lightweight, smooth corrosion pattern, high electrical capacity and stability. Fewer anodes may be used for a given installation compared with other materials and a substantially lower cost per installed system is achieved.

Materials:

Aloline anodes are cast to AS 2239 –2003 alloy A2. Additionally, WWI has developed alloy BA 778 which has been found to be the most reliable material available for use in hot saline mud. This characteristic make BA-778 a suitable material for bracelet anodes applied to offshore pipelines.

Aloline anodes are cast in alloys of aluminium and indium plus other additions and have been developed specifically for use in sea-water.

The materials are very suitable in driving potential and efficiency even in electrolytes of varying conductivity and temperature. In normal sea-water having a resistivity of about 25 ohms cms, approximately 2700 ampere hours of current are provided in each kilogram of alloy which will maintain a potential of –1170mV when measured against a copper/copper sulphate reference half- cell. These alloys have a higher driving potential than zinc or aluminium-mercury alloys in common use for cathodic protection purposes and operate successfully in very cold sea-water and at great depths.

A list of standard anode types is given, however, Savcor has the ability to supply specially designed anodes outside this range to suit the customer's end use requirements.

Also available in AS2239-2003 A1 & A6 Alloys.

A6 (AS2239-2003)Chemical		
Element	Min.	Max.
Zinc	2.0	6.0
Indium	0.01	0.02
Cadmium	-	0.005
Silicon	0.08	0.12
Iron	-	0.12
Magnesium	-	0.02
Titanium	-	0.02
Copper	-	0.006
Tin	-	-
Other impurities		
Each	-	0.02
Total	-	0.05
Aluminium	Remainder	

A1 (AS2239-2003) Chemical Composition		
Element	Min.	Max.
Zinc	2.7	2.7
Indium	0.017	0.025
Cadmium	0.008	0.012
Silicon	-	0.20
Iron	-	0.12
Magnesium	-	-
Titanium	-	-
Copper	-	0.006
Tin	-	-
Other impurities		
Each	-	0.02
Total	-	0.05
Aluminium	Remainder	

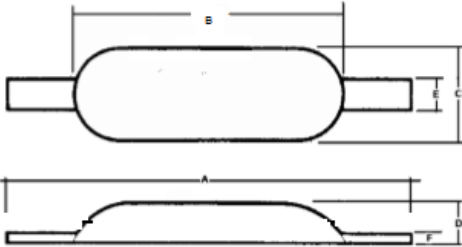
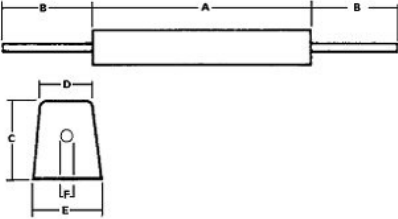
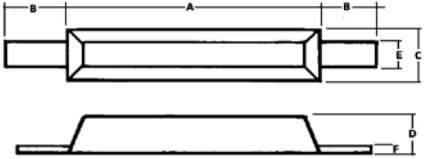
Other chemical compositions available on request

All written data and statements herein are provided in good faith and believed to be reliable and appropriate at the time of drafting this document. However it is given without implied or express guarantee. Potential users are urged to trial and /or conduct conformity tests of the product to determine its suitability in application for a particular end use prior to purchase.

Vic/Tas/SA 03 9764 2651 melbourne@savcor.com.au	NSW 02 9807 4542 sydney@savcor.com.au	QLD/NT 07 5549 2248 brisbane@savcor.com.au	WA 08 6240 3900 perth@savcor.com.au
---	---	--	---

Aloline Dimensions in Millimetres

Weight in Kilograms

Shape	Order code	Type	A	B	C	D	E	F	Nett Wt.	Gross Wt.*
	800-80010	WA1	305	228	75	38	40	3	0.95	1.14
	800-80030	WA2	355	255	75	32	32	3	1.33	1.55
	800-80035	WA3	350	270	150	32	40	5	2.6	3.24
	800-80045	WA5	533	406	150	32	40	5	4.5	5.2
	800-80050	WA8	778	585	120	35	40	5	6.6	7.9
	800-80055	WA10	648	546	127	50	40	5	8.6	9.8
	800-80060	WA11	778	605	125	50	40	5	9.9	11.2
	800-80065	WA12	648	546	127	64	40	5	10.5	11.6
	800-80070	WA15	778	615	132	65	40	5	13.6	14.9
	800-80075	WA16	1016	914	127	50	40	5	14.1	15.9
	Order Code	Type	A	B	C	D	E	F	Nett Wt.	Gross Wt.*
	800-80000	WA0	200	100	25	25	25	5	0.36	0.39
	800-80090	W19-10	762	228	80	50	63	12	8.6	10.0
	800-80095	W19-13	1016	228	80	50	63	12	11.6	13.2
	800-80080	WA19	1524	228	80	50	63	12	17.3	19.4
800-80105	WA46	2375	237	87	82	87	12	46.0	48.5	
	Order Code	Type	A	B	C	D	E	F	Nett Wt.	Gross Wt.*
	800-80120	WA50	762	101	171	152	50	12	46	50.5
	800-80135	WA111	1524	101	171	152	50	12	102.03	111.12
800-80150	WA320	1200	125	332	319	50	12	302	322	

*Gross weights include weight of inserts

*OTHER CONFIGURATIONS AVAILABLE ON REQUEST**

All written data and statements herein are provided in good faith and believed to be reliable and appropriate at the time of drafting this document. However it is given without implied or express guarantee. Potential users are urged to trial and /or conduct conformity tests of the product to determine its suitability in application for a particular end use prior to purchase.

Vic/Tas/SA 03 9764 2651 melbourne@savcor.com.au	NSW 02 9807 4542 sydney@savcor.com.au	QLD/NT 07 5549 2248 brisbane@savcor.com.au	WA 08 6240 3900 perth@savcor.com.au
---	---	--	---