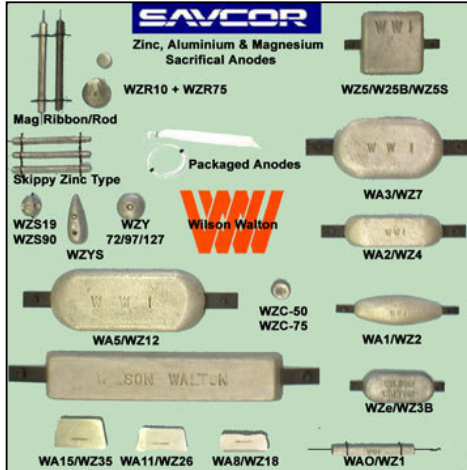


# Magnesium Anodes®

Sacrificial Anode, Cathodic Protection,



### Applications:

Magnesium anodes are suitable for Pipelines, jetties, service station tanks, hot water systems, water storage and drill water tanks. Ideal for structures requiring temporary cathodic protection.

### Characteristics:

Magnesium anodes have a driving potential with respect to steel and are free from passivation. Since they are light in weight compared with volume, a large surface area is in contact with the anode.

### Materials:

The composition of magnesium alloy includes Aluminium, Manganese, Zinc, Silicon, Copper, Nickel, and Iron. The proportions of these constituents are varied to produce the standard M3 alloy to AS 2239 – 2003 or the high Potential Magnesium alloy.

Where anodes are buried in soil, they can be packaged with a special backfill made from a combination of Gypsum, Bentonite and Sodium Sulphate.

### Product Range:

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

1. Descriptions of various anodes.
2. Packaged anodes available also.

## Chemical Composition

Element	Aluminium	Zinc	Manganese	Silicon	Iron	Copper	Nickel	Calcium	Other impurities each	Other impurities total	Magnesium	Element
Min.	5.3	2.5	0.25	-	-	-	-	-	-	-	remainder	Min.
Max.	6.7	3.5	0.40	0.05	0.03	0.05	0.003	0.04	-	0.30	remainder	Max.

Vic/Tas/SA 03 9993 7500	NSW 02 9663 2322	NZ 09 414 5080	QLD/NT 07 3890 8533	WA 08 9248 8999
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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 uses are urged to trial and /or conduct conformity test of the product to deem its suitable in application for a particular end use prior to purchase.

## Magnesium dimensions

	Order code	Type	A	B	C	D	E	F	Nett Wt.	*Gross Wt. (kg)	
	<b>Packaged Magnesium Anodes</b>										
	81310	WM5P	76	89	180	190	430	530	4.5	9.0	
	81325	WM10 P	100	112	200	215	520	620	10.0	14.5	
	81375	WM20 P	140	140	240	240	610	710	18.0	27.2	
	Gypsum Bentonite Sodium Backfill & Cable attachment to AS 2239 – 2003 5m of 7/1.04 (6mm <sup>2</sup> ) PVC insulated cable attached & encapsulated to anode insert.										
	<b>Unpackaged Magnesium Anodes with cable</b>										
	81215	WM5	76	89			430		4.5		
	81235	WM10	100	112			520		10.0		
	81285	WM20	140	140			610		18.0		
	Anodes can be supplied without cable attachment										
	81025	WM4R	460	305	57	75	150		3.2	3.7	
	81030	WM4R B	469	305	57	100	75	150	3.2	3.7	
	81065	WM4	750	950	50	50	12		3.13	4.65	
	81045	WM8	1500	1956	50	50	12		6.26	7.99	
<b>Ribbon Anodes</b>											
	81210		19	9.5	3					0.35kg/m	
Available to coil lengths up to 305m long with or without cable attachment.											
	<b>High Potential Anodes</b>										
	81150		Length 3000	21	3					0.61kg/	

Other anode types are available on request.  
 All dimensions in millimetres and weight in kilograms  
 \*Includes weight of m.s insert

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