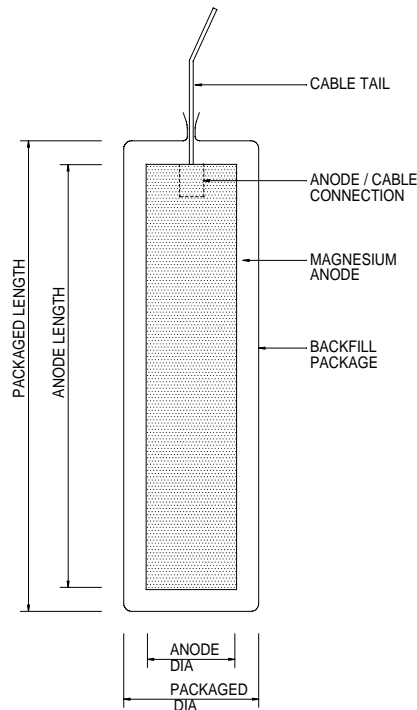


A range of magnesium anodes is available in a choice of two alloy compositions for use in the protection of buried steel structures.

These are normally prepackaged in a cotton bag with a backfill of gypsum, bentonite and sodium sulphate mix to retain moisture around the installed anode, decrease the local anode to soil resistance and improve current output.

Anodes are normally provided with a factory connected cable tail of 3 metres of 4mm² PVC insulated cable. Other sizes and lengths are available to suit customers' requirements.

Cable to anode connections are encapsulated in resin to ensure long term reliability.



Chemical Composition	Standard Alloy	High Potential Alloy
Al	5.3 - 6.7%	0.01% max
Zn	2.5 - 3.5%	-
Cu	0.08% max	0.02% max
Si	0.3% max	-
Mn	0.25% min	0.5 - 1.3%
Fe	0.005% max	0.03% max
Ni	0.003% max	0.001% max
Pb	0.03% max	-
Other impurities	0.05% max	-
Mg	Balance	Balance
Output wrt Cu/Cu SO ₄	1.55 volts	1.75 volts
Capacity - Amp.hours/kg	1,230	1,230

Pipeline Maintenance Limited

Cathodic Protection Engineering and Materials Supply

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Anode Dimensions

Please note that packaged dimensions and weights are approximate only.

Reference	Bare Anode Dimensions			Packaged Anode Dimensions		
	Weight kg	Diameter mm	Length mm	Weight kg	Diameter mm	Length mm
Cylindrical Anodes						
AC 01	3.6	114	204	8	155	300
AC 02	4.1	114	231	9	155	330
AC 03	5.0	114	292	11	155	390
AC 04	7.7	114	457	15	155	560
AC 05	10.0	114	533	19	155	590
AC 06	14.5	146	508	29	195	590
AC 07	22.7	178	508	44	260	590
AC 08	27.3	178	610	51	260	690
AC 09	27.3	114	1524	58	170	1730
D Shaped Anodes						
AD 01	4.1	70 x 76	550	8	140	700
AD 02	4.1	90 x 95	353	8	155	505
AD 03	7.7	90 x 95	641	15	155	790
AD 04	14.5	140 x 146	505	30	200	655
AD 05	22.7	140 x 146	765	50	200	910
AD 06	27.3	120 x 114	1460	58	170	1660

The above table shows our standard range - alternative sizes and shapes are available - please specify your requirements.

Standard Backfill for use to ensure a more uniform current output - particularly in areas of high resistivity.

For details of Price and Delivery please contact Pipeline Maintenance Limited at the address shown below.

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