Magnesium (H1 Alloy) Anode

MUI Magnesium Anode in the highest standard in the industry under strict QC program. Chemical analysis and potential tests are performed on every heat. The data is available upon request.

In addition, analysis report tested by ASTM G97 "Standard Test Method for Laboratory Evaluation of Magnesium Sacrificial Anode Test Specimens for Underground Applications" will be available, conducted by an independent laboratory upon request.

Chemical Compositions (%) - ASTM AZ63

	Al	Zn	Mn (Min)	Fe (Max)	Ni (Max)	Cu (Max)	Si (Max)	Other (Max)	Mg
Grade A	5.3 – 6.7	2.5 –3.5	0.15	0.003	0.002	0.02	0.10	0.30	Balance
Grade B	5.3 – 6.7	2.5 –3.5	0.15	0.003	0.003	0.05	0.30	0.30	Balance
Grade C	5.0 – 7.0	2.0 –4.0	0.10	0.003	0.003	0.10	0.30	0.30	Balance

Electrochemical Properties

Open Circuit Potential (CSE)	Close Circuit Potential (CSE)	Electrical Capacity Amp-Hr/Kg (Amp-Hr/lb)	Efficiency (%)
<- 1.50 V	< -1.45 V	Min. 1,100 (500)	Min. 50

ASTM G97 "Standard Test Method for Laboratory Evaluation of Magnesium Sacrificial Anode Test Specimens for Underground Applications"

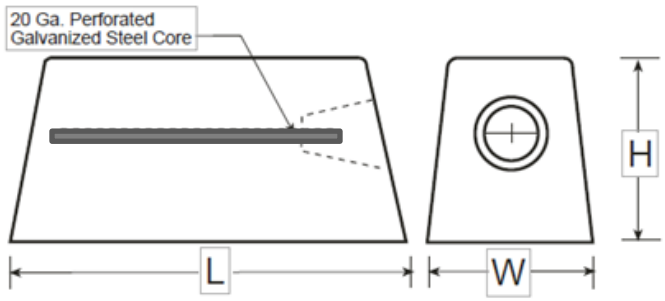
Magnesium (H1 Alloy) Anode

Standard Sizes

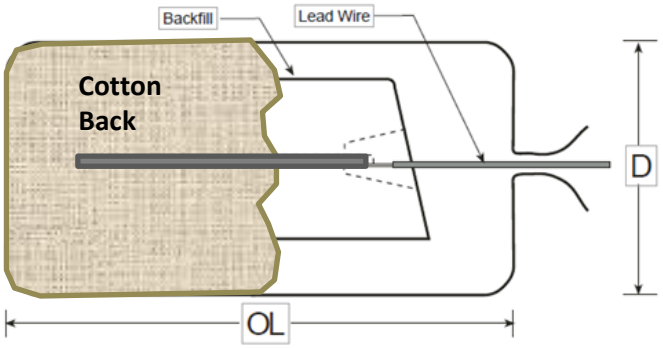
Type	Nominal Weight		Anode Dimensions				
	Bare Kg (lbs)	Packaged Kg (lbs)	Width (W) mm (in)	Height (H) mm (in)	Length (L) mm (in)	Diameter (D) mm (in)	Overall Length (OL) mm (in)
MG3	1.4 (3)	3.6 (8)	76 (3)	76 (3)	127 (5)	133 (5.25)	203 (8.0)
MG5	2.3 (5)	5.9 (13)	76 (3)	76 (3)	229 (8)	133 (5.25)	286 (11.25)
MG9	4.1 (9)	12.2 (27)	76 (3)	76 (3)	336 (14)	133 (5.25)	508 (20.0)
MG12	5.4 (12)	14.5 (32)	102 (4)	102 (4)	305 (12)	191 (7.50)	457 (18.0)
MG17	7.7 (17)	29.4 (45)	102 (4)	102 (4)	432 (17)	191 (7.50)	610 (24.0)
MG32	14.5 (32)	30.8 (68)	127 (5)	127 (5)	521 (20.5)	216 (8.50)	711 (28.0)
MG50	22.7 (50)	45.4 (100)	178 (7)	178 (7)	406 (16)	254 (10.0)	610 (24.0)

Note: Other shapes, sizes and weights available on request.

Backfill consist of 75% hydrated gypsum, 20% bentonite, and 5%sodium sulfate.



Bare Anode



Packaged Anode