

**Electrochemical Properties of Magnesium Anodes**

Circuit potential (V)	-1/7
(Respect to Cu/Cuso4)	
Electrochemical Capacity (Ah/kg)	1200
Efficiency(%)	50

**Magnesium alloy specification (M1C)**

Components	percentage
Al	0.01% max
Zn	—
Mn	0.5-1.3%
Si	0.05% max
Cu	0.02% max
Ni	0.001% max
Fe	0.03% max
Mg	Remainder

**Specification**

Anode Dimention (mm) : L=540 ; W=140 ; H=140

Insert Dimention (mm): SL=405 ; SW=16 ; T=2

Cable(mm) length=2000, Size=1\*16(mm2)

Shiled: Double Jacket XLPE/PVC


Backfill (Type D): Gypsum=75, Bentonit=20, Sodium Sulphat=5

**Gross Weight Without Backfill:**

14.5 kg (32lb)

**Gross Weight with Backfill:**

30kg

Date:	 <p>Kimiakaran Kavoshgar Keyhan Karoun          Manufacturer of Cathodic protection accessories          26 alley, Kouh-e-Sefid industrial Zone, Kouh-e-Sefid road,          Qom, Iran          Tel: (+98-25)36620823          Fax:(+98-25)36620823          Email:Info@anode.ir  <a href="http://www.anode.ir">www.anode.ir</a> &amp; <a href="http://www.4kcc">www.4kcc</a></p>			<b>Client's Approval</b>	
Description:	Order number:		<b>High Potential Magnesium Anode</b>		
	Drawn:	M. Sarabadan	Date:	02/01/2022	Project:
	Checked:	A. Rahmani	Date:	02/01/2022	<b>Approved by KAROUN Co.</b>
Rev.	Approved:	A. Rahmani	Date:	02/01/2022	Standard: IPS-MTP-750
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