

Magnesium anodes

(application: buried pipelines, buried LPG tanks, bottom tanks, etc.)

The magnesium anodes will be supplied with electrical cable and backfill.
Standard cable is 5 m. of PVC/PVC type with 1x6 sqmm section

The backfill composition is:

70% gypsum
25% bentonite
5% sodium sulphate

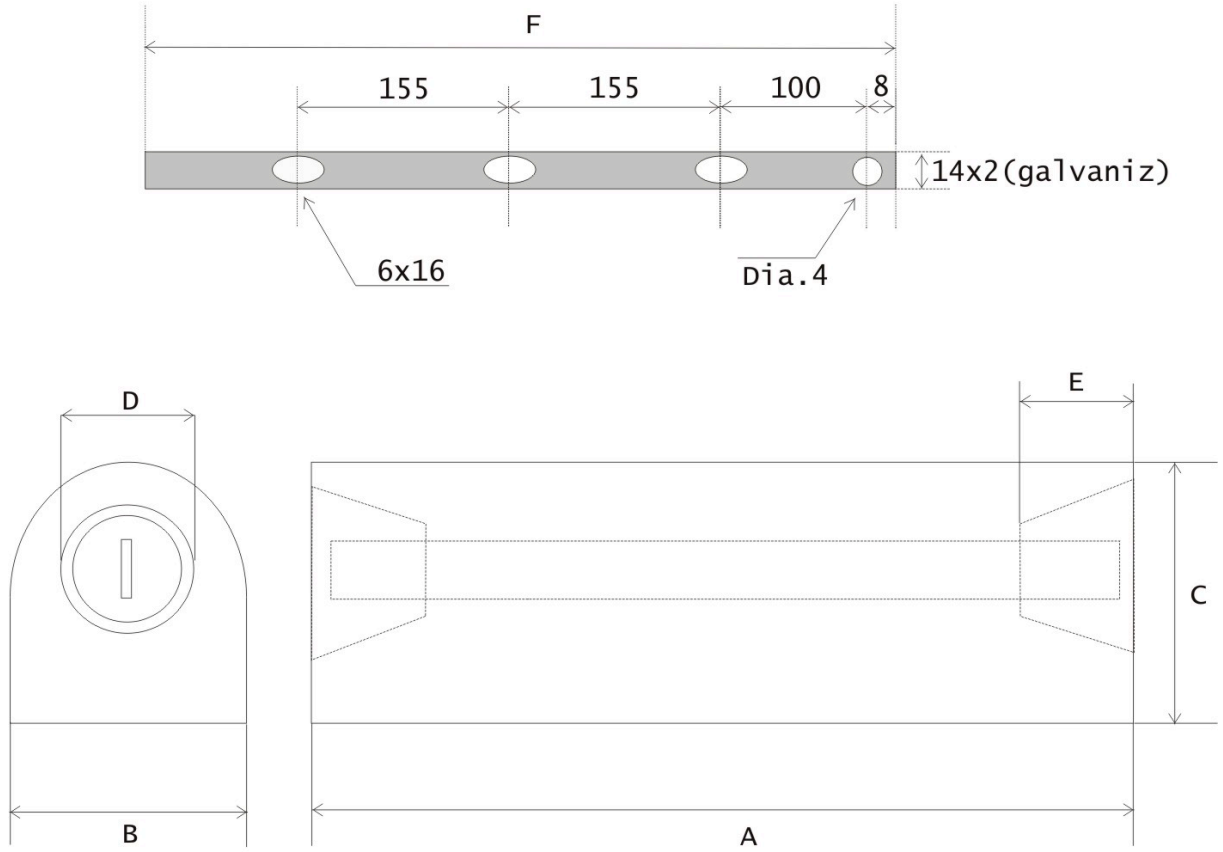
Standard magnesium alloy:

<u>Alloy MG-AZ63</u>	<u>Alloy MG-MN1</u>
Composition:	Composition:
Al 5,3÷6,7 %	Al 0,05 % max
Zn 2,5÷3,5 %	Zn 0,03 % max
Mn 0,15 % min	Mn 0,5÷1,3 %
Cu 0,02 % max	Cu 0,02 % max
Si 0,10 % max	Si 0,05 % max
Fe 0,003 % max	Fe 0,003 % max
Ni 0,003 % max	Ni 0,003 % max
Mg rimanenza	Mg rimanenza
Potential: -1,55 V ref. Cu/CuSO ₄	Potential: -1,75 V ref. Cu/CuSO ₄
Capacity: 1100 Ah/Kg	Capacity: 1230 Ah/Kg

"U" Shape



I.C.P. DOUBLE ENDED HI.POT. MG ANODES

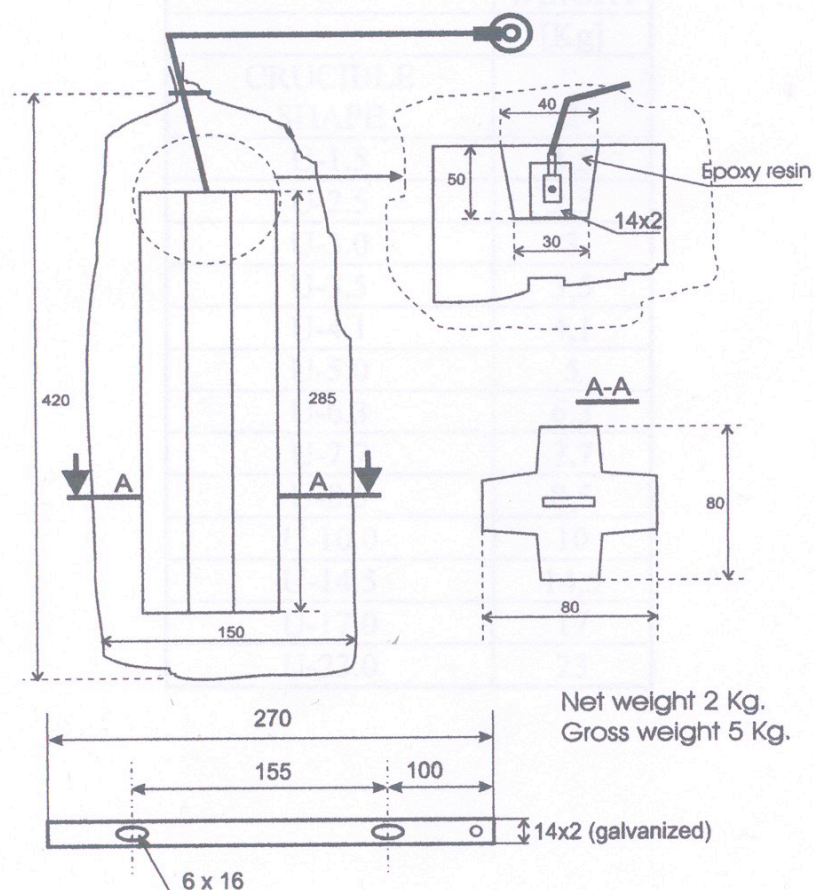


	A	B	C	D	E	F
Kg.	mm.	mm.	mm.	mm.	mm.	mm.
7,70	645,00	91,00	88,00	45,00	40,00	540,00
3,85	322,50	91,00	88,00	45,00	40,00	270,00

Chemical Composition	
Cu	0,02max
Al	0,05max
Si	0,05max
Fe	0,003max
Mn	0,5-1,3
Ni	0,002max
Zn	0,03max
Pb	0,01max
Mg	remainder



“CRUCIBLE” Shape



HI. POT MAGNESIUM ANODE

Industrial Cathodic Protection srl - Milan (ITALY)

