

Water Box Anodes

Water Box Anodes are another type of Sacrificial Anode. They are an important component as their purpose is to protect metal tanks from corrosion. Magnesium and Aluminium anodes have high surface and length ratios in relation to cross sectional size. This allows these anodes to deliver a greater amount of current per weight than cast anodes, therefore to deliver effective protection to structures in highly resistive electrolytes.

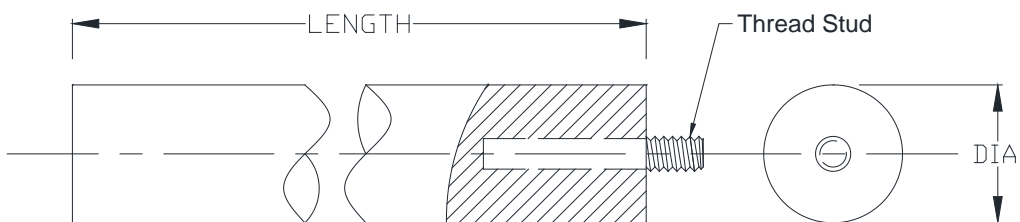
We supply extruded anodes in high potential (Mg-Mn alloy), standard potential (AZ31 alloy) and Aluminium alloy as well. Our extruded and cast anodes are typically suitable for all kinds of water storage tanks or in pre-polarization of offshore structures.

Specification:

Chemical and Electrochemical Properties				
Alloy		AZ31B	Mg-Mn	Aluminium
Chemical Composition	Aluminum	2.50-3.50%	0.01% Max	Balance
	Manganese	0.20-1.00%	0.50-1.30%	--
	Zinc	0.60-1.40%	--	4.00-5.00% Max
	Calcium	0.04% Max	--	--
	Silicon	0.10% Max	--	0.25% Max
	Copper	0.01% Max	0.02% Max	--
	Nickel	0.001% Max	0.001% Max	--
	Fe	0.005% Max	0.03% Max	0.25% Max
	Sn	--	--	0.05-0.25% Max
	Other purity(each)	--	0.05% max	--
	Total Purity	0.30% Max	0.30% Max	0.15% Max
	Remaining	Magnesium	Magnesium	

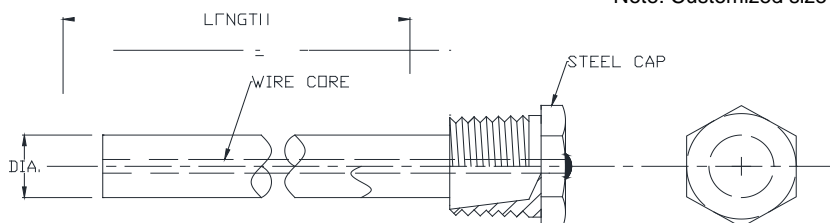
Note: Customized alloy is available upon on request.

Dimension and Weight



Part No.	Diameter (mm)	Length (mm)	Screw	Weight	
				(kg)	(.oz)
JAU-MG-001A	12	150	M6	0.03	(1.1)
JAU-MG-002A	14	100	M6	0.03	(1.1)
JAU-MG-003A	14	200	M6	0.06	(2.1)
JAU-MG-004A	16	120	M6	0.04	(1.4)
JAU-MG-005A	16	180	M8	0.07	(2.5)
JAU-MG-006A	18	160	M8	0.07	(2.5)
JAU-MG-007A	18	200	M8	0.09	(3.2)
JAU-MG-008A	20	150	M8	0.85	(30)
JAU-MG-009A	22	200	M8	0.14	(5)

Note: Customized size available upon on request.



Part No.	Diameter (mm)	Core (mm)	Length (mm)	Steel Cap	Weight	
					(kg)	(.oz)
Magnesium Extrusion						
JAU6240Y-11	12.7	3.4	864	1/2" NPT	0.29	(10.2)
JAU6240BC	12.7	3.4	762	1/2" NPT	0.26	(9.2)
JAU6240BD	12.7	3.4	1270	1/2" NPT	0.40	(14)
JAU6241BH	12.7	3.4	610	1/2" NPT	0.22	(7.8)
JAU6241BK	12.7	3.4	391	1/2" NPT	0.15	(5.3)
JAU15894A	21.33	3.4	534	3/4" NPT	0.36	(12.7)
JAU15894B	21.33	3.4	636	3/4" NPT	0.43	(15.2)
JAU15894C	21.33	3.4	737	3/4" NPT	0.50	(17.7)
JAU15894D	21.33	3.4	1042	3/4" NPT	0.70	(24.7)
JAU15894E	21.33	3.4	1144	3/4" NPT	0.77	(27.2)
JAU12702B	22.86	3.4	818	3/4" NPT	0.67	(23.6)
JAU12702C	22.86	3.4	868	3/4" NPT	0.70	(24.7)
JAU12702D	22.86	3.4	1072	3/4" NPT	0.86	(30.3)
JAU12702E	22.86	3.4	1300	3/4" NPT	1.03	(36.3)
Aluminium Extrusion						
JAU12938	15.88	3.4	1060	1/2" NPT	0.62	(21.9)
JAU9004	19.05	3.4	1067	3/4" NPT	0.93	(32.8)
JAU-AM2NE2A	20.00	3.4	540	3/4" NPT	0.53	(18.7)
JAU-AM2NE3A	20.00	3.4	765	3/4" NPT	0.73	(25.7)
JAU-AM2NE4A	20.00	3.4	950	3/4" NPT	0.90	(31.7)
JAU-AM2NE5A	20.00	3.4	1120	3/4" NPT	1.05	(37.0)
JAU-49560-01A	21.30	3.4	241	3/4" NPT	0.29	(10.22)
JAU-49560-02A	21.30	3.4	584	3/4" NPT	0.64	(22.6)
JAU-49560-03A	21.30	3.4	889	3/4" NPT	0.95	(33.5)
JAU-49560-04A	21.30	3.4	1105	3/4" NPT	1.17	(41.3)

Note: Customized size available upon on request.