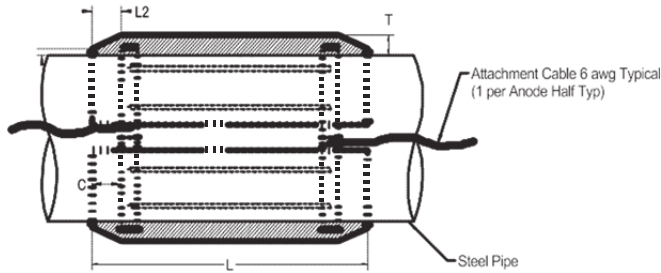


Bracelet Aluminum Anodes

Aluminum is the anode of choice for saltwater environments. Engineered aluminum alloys offer relatively low consumption rates of 7 pounds per ampere-year. Aluminum anodes are available in both Mesalum I and Mesalum III alloys. Mesalum I produces an open circuit potential of -1.05 volts (with respect to a Ag/AgCl reference cell) and realizes a 95% current efficiency. Mesalum III generates a voltage potential of -1.15 volts and has a current efficiency of 85%.



Composition	
Hg	0.035 - 0.060% (Mesalum I)
Zn	0.35 - 0.60% (Mesalum I)
Si	0.14 - 0.21% Max (Mesalum I)
Cu	0.004% Max (Mesalum I)
Fe	0.10% Max (Mesalum I)
Other Each	0.02% Max (Mesalum I)
Aluminum	Remainder (Mesalum I)
Electrochemical Properties	Electrode Potential (Cu/CuSO ₄) = 1.05 V (Mesalum I)
	Nominal Ampere Hours/Pound = 1280 (Mesalum I)
	Nominal Efficiency = 95% (Mesalum I)

Typical Applications

Offshore bracelet anodes are primarily designed for weld attachment to steel pipes. Mesalum I is not recommended for areas where water flow is restricted. Mesalum III is recommended for any saltwater application but especially in saline mud and lower chloride water environments.

Item No.	Item Name	Pipe OD			Weight			Length (L)	Thickness (T)	Max. Coating Thickness
		3.5"	4.5"	6.625"	16#	24.5#	34.5#			
MI-15.23	15.23" Mesalum Anode	2.375"			9#			15.23"	1"	0.004"
MI-12	12" Mesalum Anode	3.5"	4.5"	6.625"	16#	24.5#	34.5#	12"	1.5"	0.004"
MI-11.25	11.25" Mesalum Anode	8.625"			40#			11.25"	1.5"	0.004"
MI-11.5	11.5" Mesalum Anode	10.75"			50#			11.5"	1.5"	0.004"
MI-13.375	13.375" Mesalum Anode	12.75"			73#			13.375"	2"	0.004"
MI-17.5	17.5" Mesalum Anode	16"			105#			17.5"	1.5"	0.004"
MI-17.875	17.875" Mesalum Anode	16"			151#			17.875"	2"	0.156"