

## HEAT TREATER ALUMINUM ANODE ROD

ECOANODE's heat treater aluminum anode rod provides a highly efficient and robust solution for delivering essential cathodic protection in aggressive environments, where corrosion rates are exceptionally high. Engineered from a specialized, high-potential aluminum alloy, it is designed to act as a sacrificial component, deliberately corroding in place of the protected steel vessel or heat exchanger walls. This makes it an indispensable defense for critical assets such as industrial heat exchangers, pressure vessels, and water treatment equipment, ensuring long-term operational integrity.

The anode rod's reliable performance stems from its optimized metallurgical composition, which ensures a consistent and sustained galvanic current output. By effectively mitigating galvanic corrosion, this durable anode rod significantly extends the service life, making it a preferred, cost-effective choice for safeguarding critical industrial facilities operating under severe and demanding conditions.

### CHEMICAL COMPOSITION

Element Content	GALVALUM III	DNV-RP-B401-2011	GS EP COR 201
Zinc (Zn)	2% ~ 6%	2.5% ~ 5.75%	4.75% ~ 5.75%
Indium (In)	0.01% ~ 0.02%	0.015% ~ 0.04%	0.015% ~ 0.02%
Silicon (Si)	0.08% ~ 0.2%	0.12% max.	0.06% ~ 0.12%
Iron (Fe)	0.13% max.	0.09% max.	0.12% max.
Copper (Cu)	0.006% max.	0.003% max.	0.003% max.
Cadmium (Cd)	—	0.002% max.	0.002% max.
Other Impurities	0.1% max.	0.1% max.	0.1% max.
Aluminum (Al)	Remainder	Remainder	Remainder



### ELECTROCHEMICAL PROPERTIES

Technical Measurement	Performance
Open Circuit Voltage (min.)	-1.10 Volts
Closed Circuit Voltage (min.)	-1.05 Volts
Current Capacity	2500 A.h/kg (1135 A.h/lbs)
Current Efficiency (min.)	90%
Consumption Rate	3.4 kg/A.y (7.6 lbs/A.y)

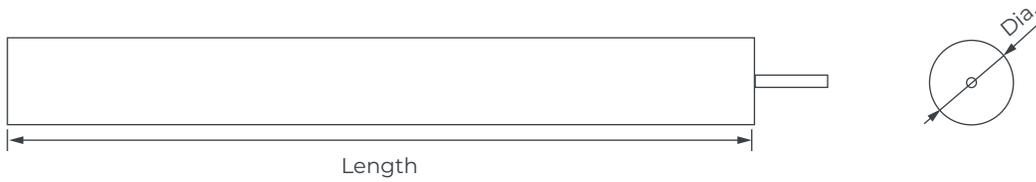
### ECOANODE SOLUTIONS SDN. BHD

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## SPECIFICATIONS



Model	Diameter	Length	Core Size	Net Weight	Gross Weight
EA-AL-R30	76 mm (3")	762 mm (30")	3/4" - 10UNC	8.4 kg (18.5 lbs)	10 kg (22 lbs)
EA-AL-R60	76 mm (3")	1524 mm (60")	3/4" - 10UNC	16.8 kg (37.0 lbs)	20 kg (44 lbs)

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