

# HEAT TREATER ALUMINUM ANODE BALL

PRODUCT DATA SHEET



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This aluminum anode ball is a compact easily replaced sacrificial anode which is installed in heat treaters, pressure vessels and other production vessels. It works optimally at relatively high temperatures and low chloride saltwater or freshwater environments.

## CHEMICAL COMPOSITION

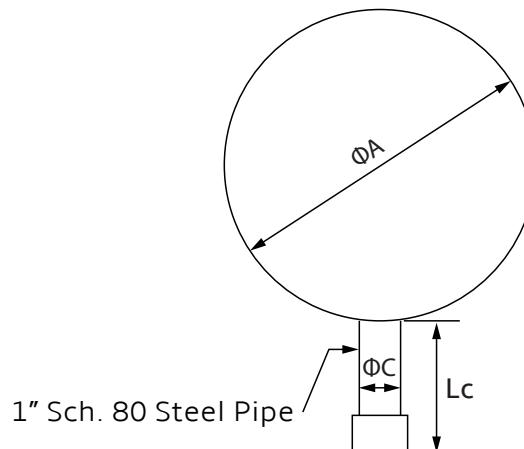
Element	Content (%)
Zinc (Zn)	4.000 ~ 7.000
Indium (In)	0.020 ~ 0.050
Magnesium (Mg)	0.500 ~ 1.500
Silicon (Si)	0.100 max.
Iron (Fe)	0.150 max.
Copper (Cu)	0.01 max.
Titanium (Ti)	0.010 ~ 0.080
Other Impurities	0.100 max.
Aluminum (Al)	Remainder



## 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)

\* The open/closed circuit voltage is with respect to a Ag/AgCl reference electrode.



## SPECIFICATIONS

Item No.	Ball Diameter ( $\Phi A$ )	Core Size ( $\Phi C$ )	Extended Length( $L_c$ )	NPT	Net Weight	Gross Weight
YX-AL-B47	250mm (9.84")	34mm (1.3")	102mm (4.0")	1"	21.7kg (47.8 lbs)	22.5kg (49.5 lbs)

Note: All dimensions and weights shown above are nominal. The information provided is subject to change without notice.





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6/F, Tianlu Building, 767 Liangzhu Road,  
Ningbo 315000, P.R. China

**E-mail:** [info@yuxi-anode.com](mailto:info@yuxi-anode.com)

**Tel:** +86 (574) 8388 2233

**Fax:** +86 (574) 8388 2238