



ALUMINUM WATER HEATER ANODE ROD

PRODUCT DATA SHEET

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One of the most common killers of water heater is interior corrosion. The water inside the heater tank contains many destructive properties including heat and harsh minerals that can build up and eat away at the steel sidings, shortening the life of the electric water heater.

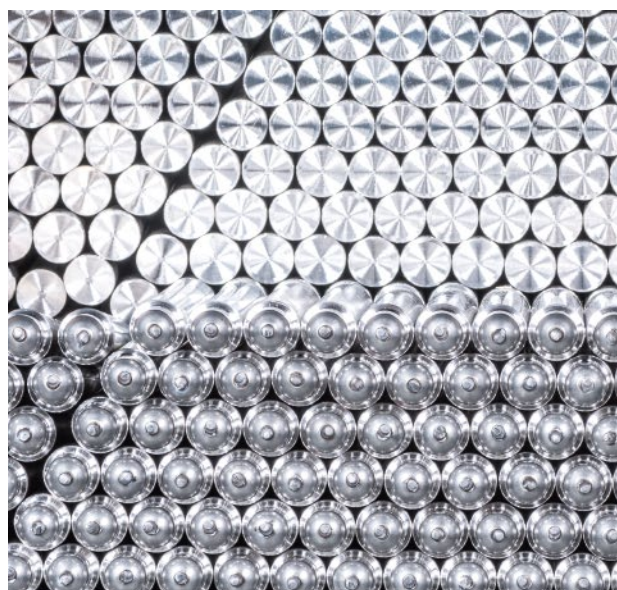
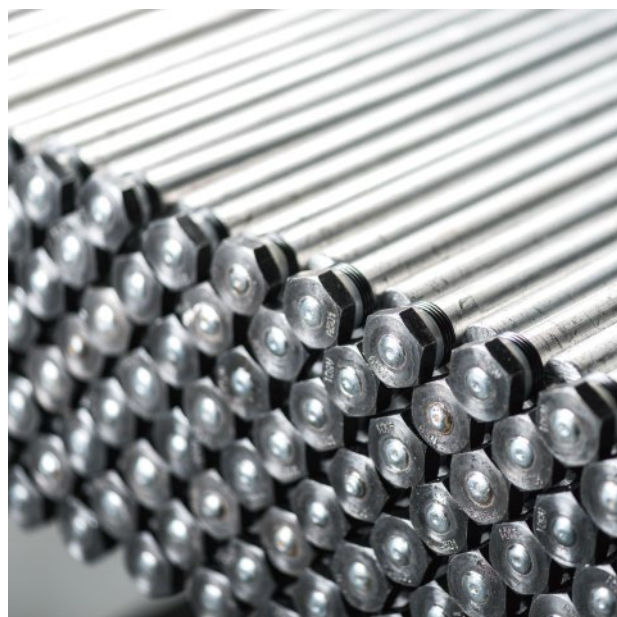
Anode rod is the key factor in preventing corrosion and leaks in water heater. The anode rod delivers electrons into the water that helps to create an environment that diverts corrosive action away from the tank walls to the anode rod. Thus, it prolongs the service life of the inner tank and the heating pipe.

Our aluminum extruded anode rod has high surface and length ratios in relation to cross-sectional area. It allows to deliver a greater amount of current per weight than usual cast anode.

With the lowest voltage during the sacrificial process, aluminum anode rods usually corrode at a slower rate than magnesium rods. Thus, aluminum anode rods are the least expensive alternative, especially for water heater that heats up hard water. The anode rod should be replaced when the corrosion has eaten approximately 75% of the rod's mass. Generally, our anode rod is expected to provide about 2 years of corrosion protection.

CHEMICAL COMPOSITION

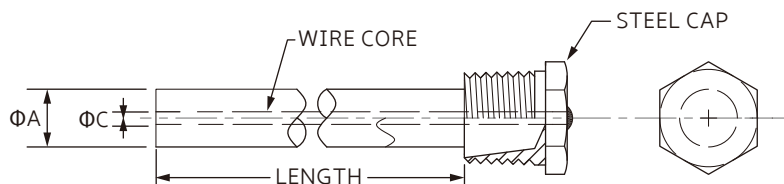
Element		Content (%)
Zinc	(Zn)	4.000 ~ 5.000
Indium	(In)	—
Silicon	(Si)	0.250 max.
Iron	(Fe)	0.250 max.
Copper	(Cu)	—
Stannum	(Sn)	0.005 ~ 0.250
Cadmium	(Cd)	—
Nickel	(Ni)	—
Other Impurities		0.150 max.
Aluminum	(Al)	Remainder



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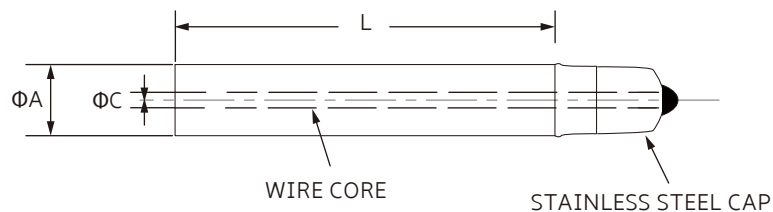
SPECIFICATIONS

■ Aluminum Anode Rod with Threaded Hex Steel Cap



Item No.	Rod Dia.(ΦA)	Core Dia.(ΦC)	NPT
YX-WHR-A16	15.9mm (0.63")	3.4mm (0.13")	1/2"
YX-WHR-A19	19.1mm (0.75")	3.4mm (0.13")	3/4"
YX-WHR-A20	20.0mm (0.79")	3.4mm (0.13")	3/4"
YX-WHR-A21	21.3mm (0.84")	3.4mm (0.13")	3/4"

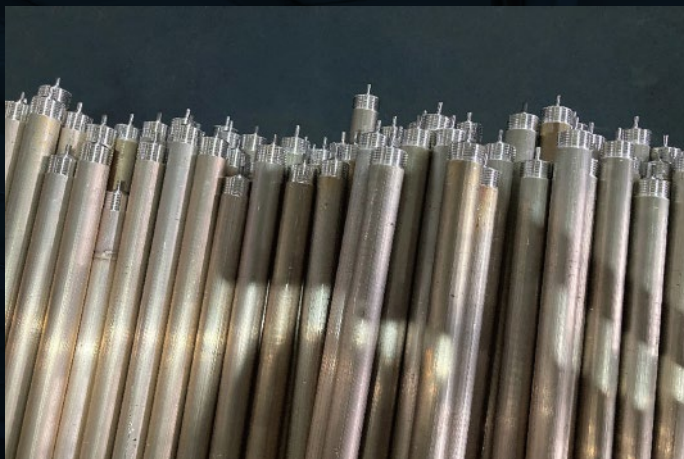
■ Aluminum Anode Rod with Stainless Steel Cap



Item No.	Rod Dia.(ΦA)	Core Dia.(ΦC)	NPT
YX-WHR-AS16	15.9mm (0.63")	3.4mm (0.13")	1/2"
YX-WHR-AS19	19.1mm (0.75")	3.4mm (0.13")	3/4"
YX-WHR-AS20	20.0mm (0.79")	3.4mm (0.13")	3/4"
YX-WHR-AS21	21.3mm (0.84")	3.4mm (0.13")	3/4"

Note: The anode rod length can be customized upon request.





Industrial Corrosion Control Solutions Provider

Established in 2003, YUXI has over a 20-year heritage of innovation in corrosion control science and technology. We're a spirited team of ambitious thinkers and pioneer sheep with a common goal in mind: protect our clients' assets from corrosion with cost-saving measures.

We have the most comprehensive catalog of cathodic protection materials including anodes, transformer rectifiers, backfills, coatings, etc. Our anodes and supplies are manufactured to strict quality standards through an ISO 9001 quality management system and are guaranteed to offer excellent performance in the industry.



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