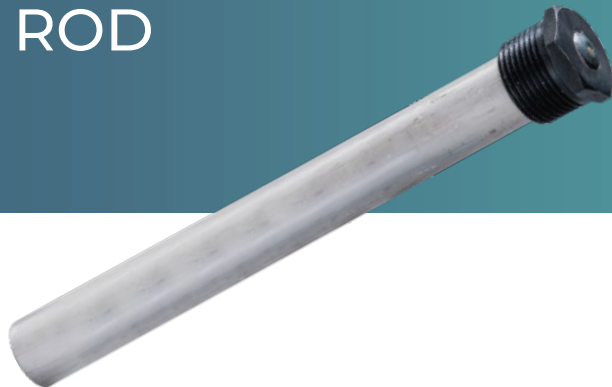




MAGNESIUM ANODE ROD FOR WATER HEATER



CELEBRATED ENTERPRISE IN CATHODIC PROTECTION



JENNINGS ANODES

MAGNESIUM ANODE ROD FOR WATER HEATER

DATA SHEET



One of the most commonly found factors limiting the life of water heaters is interior corrosion. The water inside the heater tank can be very harmful to the system as the harsh minerals it contains can build up and eat away at the steel surfaces, a process which is only worsened by the high water temperatures.

Anode rods are the most important factor in preventing corrosion and leaks in water heaters. The lifetime of a water heater can be greatly extended when the anode rods are replaced at regular intervals.

Known as soft water anodes, magnesium anode rods are an increasingly popular choice as dissolved magnesium in water can offer many health benefits. The magnesium will dissolve into water, leaving sediment at the bottom of the water heater tank over time.

■ Quality Substrate Material

Constructed of high-grade magnesium, our anode rod is manufactured according to ASTM B843-AZ31B standard. The magnesium alloy contains Al, Zn and Mn elements, while the content of Ni, Fe and Cu must be kept as low as possible.

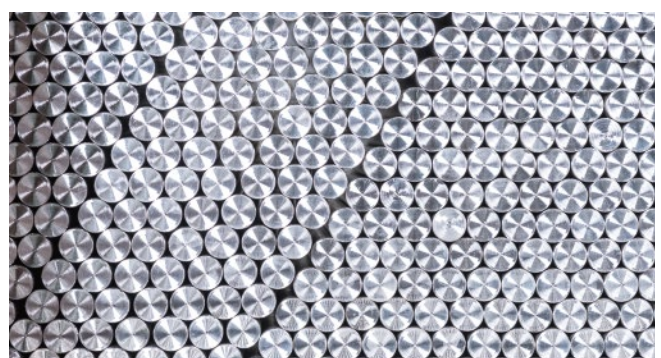
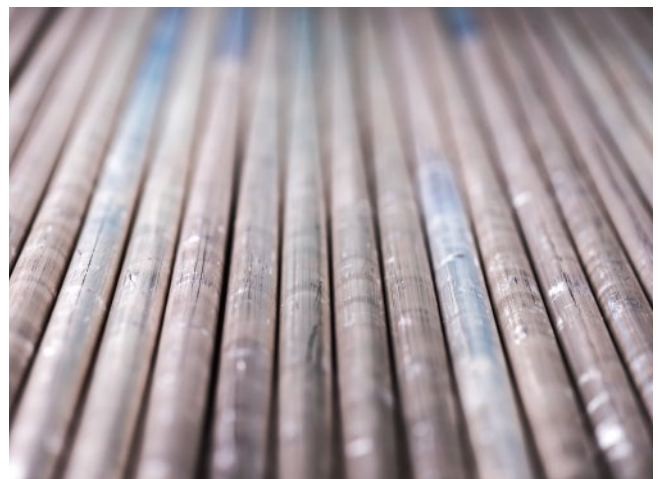
Element	Standard	ASTM B843 – AZ31B
Aluminum (Al)		2.5% ~ 3.5%
Zinc (Zn)		0.6% ~ 1.4%
Manganese (Mn)		0.2% ~ 1.0%
Silicon (Si)		0.1% max.
Iron (Fe)		0.005% max.
Copper (Cu)		0.01% max.
Cadmium (Cd)		0.04% max.
Nickel (Ni)		0.001% max.
Total Impurities		0.30% max.
Magnesium (Mg)		Remainder

■ High Current Output

This magnesium anode rod has high surface and length ratios in relation to cross-sectional area. It allows a greater current per weight than typical cast anodes. By supplying stronger current, our magnesium anode rod can deliver effective protection to water heaters, even in higher resistivity electrolytes.

■ Uniform Current Distribution

With a thin steel core running the entire length of the anode as a support, the magnesium anode rod provides a uniform and efficient current distribution to ensure stable performance.



MAGNESIUM ANODE RODS FOR WATER HEATER

DATA SHEET

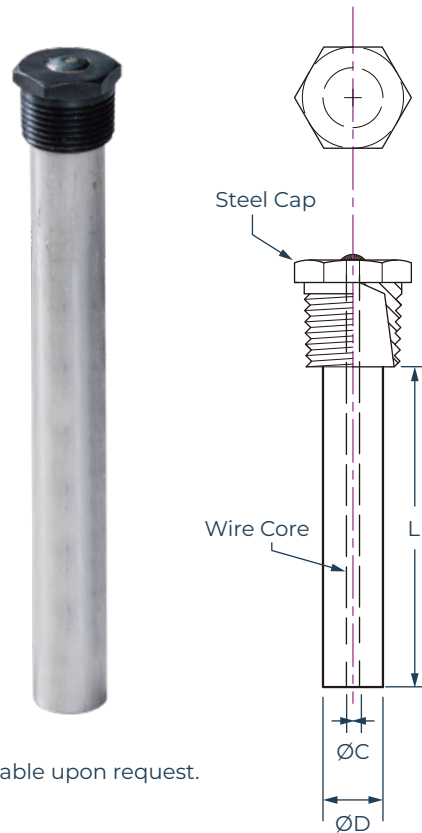
■ Easy Replacement

The anode rod is easily replaceable and should be checked each time the water heater tank is drained. Generally, anode rods should be replaced when the corrosion has consumed approximately 75% of the rod's mass. Our anode rod is expected to provide up to two years of corrosion protection.

SPECIFICATION

Item No.	Rod Diameter	Core Diameter	NPT
JA-WHR-M12	0.50" (12.7 mm)	0.13" (3.4 mm)	1/2"
JA-WHR-M17	0.67" (17.0 mm)	0.13" (3.4 mm)	3/4"
JA-WHR-M21	0.84" (21.3 mm)	0.13" (3.4 mm)	3/4"
JA-WHR-M22	0.90" (22.9 mm)	0.13" (3.4 mm)	3/4"

Notes: All dimensions are nominal. Custom-made shapes and sizes are available upon request.





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