



# PURE IRON BLOCK ANODES



50 YEARS EXPERIENCE IN CATHODIC PROTECTION



JENNINGS ANODES

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## DATA SHEET

The pure iron anode is especially useful in stress corrosion of copper alloys. Therefore, it is mostly applied to the corrosion protection of copper alloy tube of heat exchanger, condenser, pumps, fresh water facility, desalination plant (evaporator, brine heater) and cooling systems of power plants. The soft iron block anode is installed bare in the direct contact to the surface of protected structure.

### CHEMICAL COMPOSITION

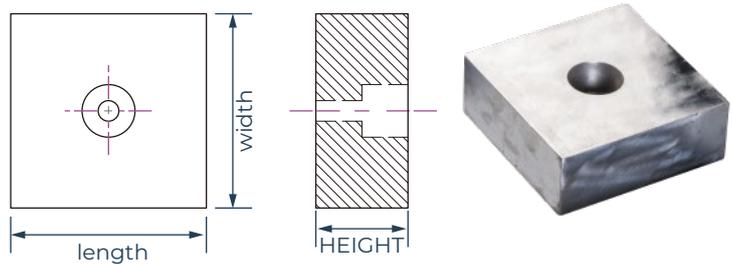
Element	Content
Manganese (Mn)	0.2% max.
Copper (Cu)	0.2% max.
Aluminum (Al)	0.1% max.
Cadmium (Cd)	0.1% max.
Silicon (Si)	0.01% max.
Nickel (Ni)	0.001% max.
Phosphorus (P)	0.01% max.
Sulphur (S)	0.007% max.
Carbon (C)	0.004% max.
Iron (Fe)	Remainder

### ELECTROCHEMICAL PROPERTIES

Technical Measurement	Performance
Current Capacity	80 A.h/kg
Current Density	200 mA/m <sup>2</sup>

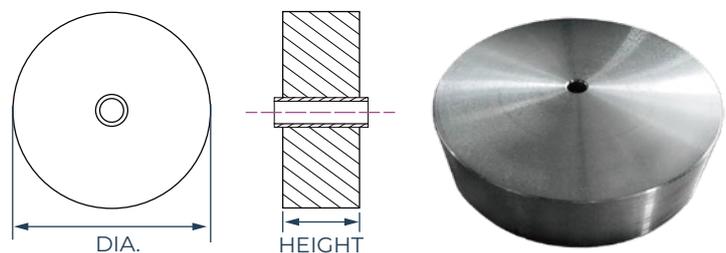
### SPECIFICATIONS

#### ■ Square Type Anode



Item No.	Weight	Length / Width	Height
JA-FE-S44	2.0 kg (4.4 lbs)	3.9" (100 mm)	1.2" (30 mm)
JA-FE-S110	5.0 kg (11.0 lbs)	5.9" (150 mm)	1.2" (30 mm)
JA-FE-S209	9.5 kg (20.9 lbs)	6.3" (160 mm)	2.0" (50 mm)
JA-FE-S309	14.0 kg (30.9 lbs)	7.9" (200 mm)	2.0" (50 mm)

#### ■ Round Type Anode



Item No.	Weight	Diameter	Height
JA-FE-R55	2.5 kg (5.5 lbs)	3.9" (100 mm)	2.0" (50 mm)
JA-FE-R88	4.0 kg (8.8 lbs)	5.9" (150 mm)	1.2" (30 mm)

**Notes:** All dimensions and weights are nominal. The parameter provided is subject to variation in material compositions and Jennings Anodes foundry tolerance.



## Worldwide Service Network

Our worldwide network of sales and service centers can provide immediate advice and assistance on the complete range of products.

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