

29-4C Super Ferritic Stainless Steel Alloy Tubing

Industries

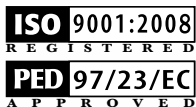
- Power Generation
- Desalination

Applications

- Condensers
- Feedwater Heaters
- Heat Exchangers

Advantages

- A cost effective alternative to titanium
- Provides excellent resistance to:
 - Seawater and brackish water
 - Vibration damage
 - Erosion
- Efficient heat transfer



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RathGibson's 29-4C Products

With RathGibson 29-4C tubing, you can enjoy the benefits of advanced corrosion resistance for relatively little investment. Thanks to RathGibson's extensive quality control program, every detail of manufacturing will be closely scrutinized in order to produce the finest quality tubing at a cost competitive price.

29-4C

Meets ASTM A268 and ASME SA268 specifications.

OD Sizes 1/2" (12.7 mm)-2" (50.8 mm)

Wall Sizes 0.010" (0.25 mm)-
0.049" (1.24 mm)

Lengths Up to 90' (27 m)

Physical Properties

	Min.	Typical
Tensile Strength, kpsi	75	85
MPa	515	586
Yield Strength, kpsi	60	75
MPa	415	517
Elongation in 2"-Min. %	10	25
Max. Hardness, Rb	100	95
Modulus of Elasticity, x10 ⁶ psi	28	-
Mean Coefficient of Thermal Expansion, in/in/°F x 10 ⁻⁶	5.2	-
Thermal Conductivity, BTU-in/ft ² -hr-°F	119	-
Density, lbs/in ³ (g/cm ³)	0.277 (7.67)	-

Composition of 29-4C tubing and pipe

UNS Designation	S44735
Nickel (Ni)	1.00
Chromium (Cr)	28.00-30.00
Iron (Fe)	Balance
Molybdenum (Mo)	3.60-4.20
Titanium (Ti) Max.	**
Aluminum (Al) Max.	-
Cobalt (Co) Max.	-
Tungsten (W)	-
Vanadium (V) Max.	-
Copper (Cu) Max.	-
Manganese (Mn) Max.	1.00
Niobium (Nb) plus Tantalum	**
Carbon (C) Max.	0.030
Nitrogen (N) Max.	0.045
Silicon (Si) Max.	1.00
Sulfur (S) Max.	0.030
Phosphorous (P) Max.	0.040
Other Elements	-

** (Ti + Cb) = 0.20 - 1.00, & 6 (C + N) min

The information herein was correct at the time of publication and is subject to change without notice.

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Sales offices strategically located around the globe.



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