

Titanium Tubing

Industries

- Power Generation
- Chemical Process
- Desalination
- Pools and Spas

Applications

- Steam Surface Condensers
- Pool Heaters
- Miscellaneous Chloride Environments

Size Range

- Wall Thickness: 0.020" (0.508 mm) through 0.083" (2.11 mm)
- Outside Diameter: 0.50" (12.7 mm) through 1.5" (38.1 mm)

Meets ASTM B338 and ASME SB338 specifications

- Extensive quality in-line testing capabilities, including:
 - Eddy Current
 - Ultrasonic
 - Hydrostatic
 - Pneumatic Leak Testing
 - Additional customer specified testing is available upon request

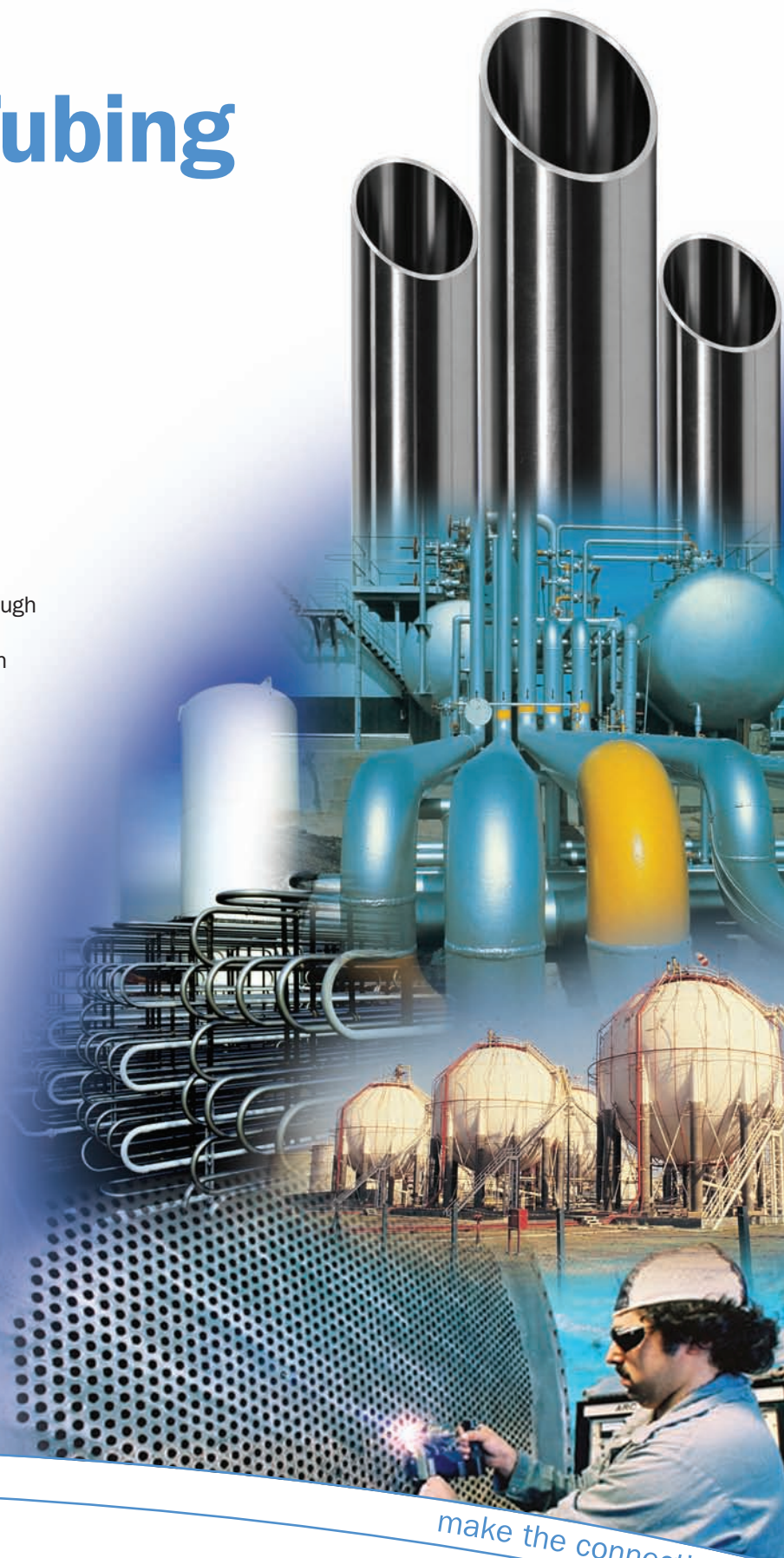
ISO 9001:2008
REGISTERED

PED 97/23/EC
APPROVED

RathGibson

A PCC Company

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RathGibson's Titanium Tubing

The corrosion resistance and high strength to density ratio of titanium make it uniquely suited for challenging requirements. RathGibson offers Titanium Grade 2 tubing for use in heat exchangers, condensers, and chemical processing. One look at RathGibson's titanium specifications will convince you to choose our titanium tubing for your most demanding applications.

Physical Properties

Grade	2
UNS No.	R50400
Tensile Strength-Min.,kpsi (MPa)	50 (345)
Yield Strength 0.2% Offset*-Min.,kpsi (MPa)	40-65 (276-448)
Elongation* in 2"-Min.	20%
Modulus of Elasticity* (x10 ⁶ psi)	16
Mean Coefficient of Thermal Expansion* (in./in./°F x10 ⁻⁶)	4.8

*in the annealed condition at -20°F to +100°F

Titanium Grade 2

Meets ASTM B338 and ASME SB338;
Condenser and Chemical Process Applications

OD Sizes	1/2" (12.7 mm)-1.5" (38.1 mm)
Wall Sizes	0.020" (0.51 mm)- 0.083" (2.11mm)

Standard Tolerances

OD	< 1" (25.4 mm) 1"(25.4 mm)-1-1/4" (31.8 mm)	± 0.004" (0.10 mm) ± 0.005" (0.13 mm)
Wall	± 10%	
Lengths	Randoms up to +/-2.0" (50.8 mm) Cuts +1/8" (3.18 mm) minus 0	

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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