

## Capillary Tubes Incoloy 825 UNS N08825 0.250

Designation		Wall Thickness		Mass per Unit Length	Calculated Inside Diameter	Tubing Area (Sq.in)		Tube Load Body		Internal Pressure (psi)		Collapse Strength	Internal Capacity per 1000ft		Torsional Yield	
		Specified	Min			W/min.	Internal min.	Yield min	Tensile min	Hydro Test 90%	Internal Yield min.					
OD	WT	inch	inch	lb/ft	inch	inch <sup>2</sup>	inch <sup>2</sup>	lb	lb	psig	psig	psig	gal	bar	ft.lbs	
1/4	0.250	0.035	0.035	0.032	0.09	0.180	0.022	0.024	0.027	40,000	70,000	900	1,700	8,700	9,700	8,800
	0.250	0.049	0.049	0.044	0.11	0.152	0.029	0.031	0.021	40,000	70,000	1,200	2,200	11,800	13,100	11,700
	0.250	0.065	0.065	0.059	0.14	0.120	0.035	0.038	0.014	40,000	70,000	1,500	2,600	14,700	16,300	14,300

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### Chemistry Composition

C,% 0.05 max Mn,% 1.00 max S,% 0.030 max Si,% 0.50 max Cu,% 1.50-3.00  
 Cr,% 19.5-23.5 Ni,% 38.0-46.0 Mo,% 2.50-3.50 Fe,% 22.0 min Al,% 0.20 max  
 Ti,% 0.60-1.20

### Mechanical Properties

Tensile Strength: 70,000psi (483MPa) min  
 Yield Strength: 40,000psi (276MPa) min

Tensile strength & yield strength minimum are calculated on specified wall.  
 Other dimensions are available on request.

**Jiangsu Tube Solution Co., Ltd.**  
 The other coiled tubing supplier

Contact: sales@tubemfg.com