

Capillary Tubes Incoloy 825 UNS N08825 0.375

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 ²	inch ²	lb	lb	psig	psig	psig	gal	bar	ft.lbs	
3/8	0.375	0.035	0.035	0.032	0.14	0.305	0.034	0.037	0.076	40,000	70,000	1,500	2,600	5,900	6,600	6,200
	0.375	0.049	0.049	0.044	0.18	0.277	0.046	0.050	0.065	40,000	70,000	2,000	3,500	8,200	9,100	8,300
	0.375	0.065	0.065	0.059	0.23	0.245	0.058	0.063	0.052	40,000	70,000	2,500	4,400	10,500	11,700	10,500
	0.375	0.080	0.080	0.072	0.27	0.215	0.069	0.074	0.042	40,000	70,000	3,000	5,200	12,600	14,000	12,400

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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