

Capillary Tubes TP316L UNS S31603 0.500

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	
1/2	0.500	0.049	0.049	0.044	0.25	0.402	0.063	0.133	2,800	4,900	6,300	7,000	6,500	6.59	0.157	25
	0.500	0.065	0.065	0.059	0.31	0.370	0.081	0.115	3,600	6,200	8,100	9,000	8,300	5.58	0.133	31
	0.500	0.080	0.080	0.072	0.37	0.340	0.097	0.100	4,200	7,400	9,800	10,900	9,900	4.71	0.112	35

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Chemistry Composition

C,% 0.035 max Mn,% 2.00 max P,% 0.045 max S,% 0.030 max Si,% 1.00 max
Cr,% 16.0-18.0 Ni,% 10.0-14.0 Mo,% 2.00-3.00

Mechanical Properties

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

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

Hardness: 192HBW, 200HV or 90HRB max

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