

Coiled Tubing TP316L UNS S31603 1.000

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	wpe	d	inch ²	inch ²	lb	lb	psig	psig	psig	gal	bar
1	1.000	0.075	0.075	0.071	0.76	0.850	0.207	0.578	8,700	15,300	5,000	5,600	5,300	29.46	0.70	173
	1.000	0.080	0.080	0.076	0.81	0.840	0.221	0.565	9,200	16,200	5,300	5,900	5,500	28.77	0.69	182
	1.000	0.083	0.083	0.079	0.83	0.834	0.229	0.557	9,600	16,700	5,600	6,200	5,800	28.36	0.68	188
	1.000	0.087	0.087	0.083	0.87	0.826	0.239	0.546	10,000	17,500	5,900	6,500	6,100	27.82	0.66	195
	1.000	0.095	0.095	0.090	0.94	0.810	0.257	0.528	10,800	18,900	6,400	7,100	6,600	26.75	0.64	207
	1.000	0.102	0.102	0.097	1.00	0.796	0.275	0.510	11,500	20,100	6,900	7,700	7,100	25.83	0.62	218
	1.000	0.109	0.109	0.104	1.06	0.782	0.293	0.493	12,200	21,400	7,200	8,000	7,400	24.93	0.59	229
	1.000	0.118	0.118	0.113	1.14	0.764	0.315	0.471	13,100	22,900	7,700	8,600	7,800	23.80	0.57	242
	1.000	0.125	0.125	0.118	1.19	0.750	0.327	0.458	13,700	24,100	8,200	9,100	8,300	22.93	0.55	249
1.000	0.134	0.134	0.127	1.27	0.732	0.348	0.437	14,600	25,500	8,700	9,700	8,800	21.85	0.52	261	

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

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

Contact: sales@tubemfg.com

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.