

Coiled Tubing 2205 UNS S31803 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	lb/ft	inch	inch ²	inch ²	lb	lb	psig	psig	psig	gal	bar	ft.lbs	
1	1.000	0.075	0.075	0.071	0.74	0.850	0.207	0.578	17,400	20,700	10,100	11,200	10,100	29.46	0.70	346
	1.000	0.080	0.080	0.076	0.79	0.840	0.221	0.565	18,500	22,000	10,600	11,800	11,100	28.77	0.69	365
	1.000	0.083	0.083	0.079	0.81	0.834	0.229	0.557	19,100	22,700	11,200	12,400	11,600	28.36	0.68	376
	1.000	0.087	0.087	0.083	0.85	0.826	0.239	0.546	20,000	23,700	11,700	13,000	12,100	27.82	0.66	390
	1.000	0.095	0.095	0.090	0.92	0.810	0.257	0.528	21,600	25,700	12,800	14,200	13,200	26.75	0.64	414
	1.000	0.102	0.102	0.097	0.98	0.796	0.275	0.510	23,000	27,300	13,900	15,400	14,200	25.83	0.62	437
	1.000	0.109	0.109	0.104	1.04	0.782	0.293	0.493	24,400	29,000	14,400	16,000	14,700	24.93	0.59	458
	1.000	0.118	0.118	0.113	1.11	0.764	0.315	0.471	26,200	31,100	15,400	17,100	15,700	23.80	0.57	484
	1.000	0.125	0.125	0.118	1.17	0.750	0.327	0.458	27,500	32,600	16,500	18,300	16,700	22.93	0.55	498
1.000	0.134	0.134	0.127	1.24	0.732	0.348	0.437	29,200	34,600	17,500	19,400	17,600	21.85	0.52	522	

2205 UNS S31803 1.000

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

Chemistry Composition

C,% 0.03 max Mn,% 2.00 max P,% 0.030 max S,% 0.020 max Si,% 1.00 max
Cr,% 21.0-23.0 Ni,% 4.50-6.50 Mo,% 2.50-3.50 N,% 0.08-0.20

Contact: sales@tubemfg.com

Mechanical Properties

Tensile Strength: 95,000psi (655MPa) min
Yield Strength: 80,000psi (552MPa) min
Hardness: 290HBW or 30HRC max

Tensile strength & yield strength minimum are calculated on specified wall.

Other dimensions are available on request.