

Coiled Tubing 2205 UNS S31803 1.250

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 ²	inch ²	lb	lb	psig	psig	psig	gal	bar	ft.lbs	
1-1/4	1.250	0.075	0.075	0.071	0.94	1.100	0.263	0.964	22,100	26,300	8,100	9,000	6,600	49.34	1.18	565
	1.250	0.080	0.080	0.076	1.00	1.090	0.280	0.947	23,500	27,900	8,600	9,500	7,400	48.44	1.15	597
	1.250	0.087	0.087	0.083	1.08	1.076	0.304	0.923	25,400	30,200	9,500	10,500	8,900	47.21	1.12	641
	1.250	0.095	0.095	0.090	1.17	1.060	0.328	0.899	27,600	32,700	10,300	11,400	10,700	45.81	1.09	684
	1.250	0.102	0.102	0.097	1.25	1.046	0.351	0.876	29,400	34,900	11,200	12,400	11,600	44.61	1.06	724
	1.250	0.109	0.109	0.104	1.33	1.032	0.374	0.853	31,300	37,100	11,600	12,900	12,000	43.42	1.03	763
	1.250	0.118	0.118	0.113	1.42	1.014	0.404	0.824	33,600	39,900	12,400	13,800	12,800	41.92	1.00	811
	1.250	0.125	0.125	0.118	1.50	1.000	0.420	0.808	35,300	42,000	13,300	14,800	13,700	40.77	0.97	837
	1.250	0.134	0.134	0.127	1.59	0.982	0.448	0.779	37,600	44,600	14,100	15,700	14,500	39.32	0.94	881
	1.250	0.145	0.145	0.138	1.71	0.960	0.482	0.745	40,300	47,800	15,400	17,100	15,700	37.58	0.90	932
	1.250	0.156	0.156	0.148	1.82	0.938	0.512	0.715	42,900	50,900	16,700	18,500	16,800	35.87	0.85	975
1.250	0.175	0.175	0.167	2.00	0.900	0.568	0.659	47,300	56,100	18,200	20,200	18,400	33.03	0.79	1050	

2205 UNS S31803 1.250

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.