

## Coiled Tubing 2205 UNS S31803 2.875

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 <sup>2</sup>	inch <sup>2</sup>	lb	lb	psig	psig	psig	gal	bar	ft.lbs	
2-7/8	2.875	0.134	0.134	0.127	3.91	2.607	1.096	5.395	92,300	109,600	6,300	7,000	3,500	277.11	6.60	5554
	2.875	0.145	0.145	0.138	4.21	2.585	1.187	5.305	99,500	118,100	6,800	7,600	4,500	272.46	6.49	5965
	2.875	0.156	0.156	0.148	4.51	2.563	1.268	5.224	106,600	126,600	7,500	8,300	5,500	267.84	6.38	6330
	2.875	0.175	0.175	0.167	5.03	2.525	1.421	5.071	118,800	141,000	8,200	9,100	6,800	259.96	6.19	7000
	2.875	0.188	0.188	0.180	5.37	2.499	1.524	4.968	127,000	150,800	8,800	9,800	7,900	254.63	6.07	7442
	2.875	0.204	0.204	0.194	5.79	2.467	1.634	4.858	136,900	162,600	9,500	10,600	9,200	248.15	5.91	7902
	2.875	0.224	0.224	0.214	6.31	2.427	1.789	4.703	149,200	177,200	10,500	11,700	11,000	240.17	5.72	8534
	2.875	0.250	0.250	0.240	6.98	2.375	1.987	4.505	164,900	195,900	11,900	13,200	12,300	229.99	5.48	9310
	2.875	0.276	0.276	0.266	7.63	2.323	2.180	4.312	180,300	214,100	12,800	14,200	13,200	220.03	5.24	10037
	2.875	0.281	0.281	0.271	7.75	2.313	2.217	4.275	183,200	217,500	13,000	14,400	13,300	218.14	5.20	10171
2.875	0.300	0.300	0.288	8.21	2.275	2.341	4.151	194,200	230,600	13,900	15,400	14,200	211.03	5.03	10615	

2205 UNS S31803 2.875

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.