

Coiled Tubing 2205 UNS S31803 1.500

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	
1-1/2	1.500	0.087	0.087	0.083	1.31	1.326	0.369	1.398	30,900	36,700	7,900	8,800	6,200	71.69	1.71	955
	1.500	0.095	0.095	0.090	1.42	1.310	0.399	1.368	33,500	39,800	8,600	9,600	7,500	69.97	1.67	1021
	1.500	0.102	0.102	0.097	1.52	1.296	0.428	1.340	35,800	42,600	9,400	10,400	8,800	68.48	1.63	1085
	1.500	0.109	0.109	0.104	1.62	1.282	0.456	1.311	38,100	45,300	9,700	10,800	9,500	67.01	1.60	1147
	1.500	0.118	0.118	0.113	1.74	1.264	0.492	1.275	41,000	48,700	10,400	11,600	10,900	65.14	1.55	1223
	1.500	0.125	0.125	0.118	1.83	1.250	0.512	1.255	43,200	51,300	11,200	12,400	11,600	63.71	1.52	1264
	1.500	0.134	0.134	0.127	1.95	1.232	0.548	1.219	46,000	54,600	11,900	13,200	12,300	61.89	1.47	1336
	1.500	0.145	0.145	0.138	2.09	1.210	0.590	1.177	49,400	58,600	13,000	14,400	13,400	59.70	1.42	1420
	1.500	0.156	0.156	0.148	2.23	1.188	0.629	1.139	52,700	62,600	14,000	15,600	14,400	57.55	1.37	1492
	1.500	0.175	0.175	0.167	2.47	1.150	0.699	1.068	58,300	69,200	15,400	17,100	15,700	53.92	1.28	1619
	1.500	0.188	0.188	0.180	2.63	1.124	0.746	1.021	62,000	73,600	16,500	18,300	16,700	51.51	1.23	1700
1.500	0.204	0.204	0.194	2.81	1.092	0.796	0.971	66,400	78,900	17,700	19,700	17,900	48.62	1.16	1780	

2205 UNS S31803 1.500

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.