

## Coiled Tubing 2205 UNS S31803 1.750

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	
1-3/4	1.750	0.095	0.095	0.090	1.68	1.560	0.469	1.936	39,500	46,900	7,400	8,200	5,400	99.23	2.36	1426
	1.750	0.102	0.102	0.097	1.79	1.546	0.504	1.902	42,200	50,200	8,000	8,900	6,500	97.45	2.32	1519
	1.750	0.109	0.109	0.104	1.91	1.532	0.538	1.867	45,000	53,400	8,400	9,300	7,100	95.70	2.28	1609
	1.750	0.118	0.118	0.113	2.05	1.514	0.581	1.824	48,400	57,500	9,000	10,000	8,200	93.46	2.23	1721
	1.750	0.125	0.125	0.118	2.16	1.500	0.605	1.800	51,100	60,600	9,600	10,700	9,300	91.74	2.19	1781
	1.750	0.134	0.134	0.127	2.31	1.482	0.648	1.758	54,400	64,600	10,300	11,400	10,700	89.55	2.13	1887
	1.750	0.145	0.145	0.138	2.48	1.460	0.699	1.706	58,500	69,500	11,200	12,400	11,600	86.91	2.07	2012
	1.750	0.156	0.156	0.148	2.65	1.438	0.745	1.660	62,500	74,200	12,100	13,400	12,500	84.31	2.01	2120
	1.750	0.175	0.175	0.167	2.93	1.400	0.831	1.575	69,300	82,300	13,300	14,800	13,700	79.92	1.90	2314
	1.750	0.188	0.188	0.180	3.13	1.374	0.888	1.517	73,800	87,600	14,200	15,800	14,600	76.97	1.83	2438
	1.750	0.204	0.204	0.194	3.36	1.342	0.948	1.457	79,300	94,100	15,400	17,100	15,700	73.43	1.75	2564
	1.750	0.224	0.224	0.214	3.64	1.302	1.033	1.373	85,900	102,000	16,800	18,700	17,100	69.12	1.65	2731
1.750	0.250	0.250	0.240	3.99	1.250	1.139	1.267	94,200	111,900	18,800	20,900	18,900	63.71	1.52	2927	

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Other dimensions are available on request.

### 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

Jiangsu Tube Solution Co., Ltd.

The other coiled tubing supplier

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.