

Coiled Tubing 2205 UNS S31803 2.000

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	wpe	d	inch ²	inch ²	lb	lb	psig	psig	psig	gal	bar
2	2.000	0.109	0.109	0.104	2.20	1.782	0.619	2.522	51,800	61,500	7,300	8,100	5,300	129.48	3.08	2149
	2.000	0.118	0.118	0.113	2.36	1.764	0.670	2.472	55,800	66,300	7,900	8,800	6,200	126.87	3.02	2303
	2.000	0.125	0.125	0.118	2.50	1.750	0.698	2.444	58,900	69,900	8,500	9,400	7,200	124.87	2.97	2387
	2.000	0.134	0.134	0.127	2.66	1.732	0.747	2.394	62,800	74,600	9,000	10,000	8,200	122.31	2.91	2534
	2.000	0.145	0.145	0.138	2.86	1.710	0.807	2.334	67,600	80,300	9,800	10,900	9,600	119.23	2.84	2708
	2.000	0.156	0.156	0.148	3.06	1.688	0.861	2.280	72,300	85,900	10,600	11,800	11,100	116.18	2.77	2860
	2.000	0.175	0.175	0.167	3.40	1.650	0.962	2.180	80,300	95,300	11,700	13,000	12,100	111.01	2.64	3135
	2.000	0.188	0.188	0.180	3.62	1.624	1.029	2.112	85,600	101,700	12,500	13,900	12,900	107.53	2.56	3312
	2.000	0.204	0.204	0.194	3.90	1.592	1.101	2.041	92,100	109,300	13,600	15,100	13,900	103.34	2.46	3494
	2.000	0.224	0.224	0.214	4.23	1.552	1.201	1.941	100,000	118,700	14,900	16,500	15,200	98.21	2.34	3738
	2.000	0.250	0.250	0.240	4.65	1.500	1.327	1.815	110,000	130,600	16,700	18,500	16,900	91.74	2.19	4029
	2.000	0.276	0.276	0.266	5.06	1.448	1.449	1.693	119,600	142,000	17,900	19,900	18,100	85.49	2.04	4291
2.000	0.281	0.281	0.271	5.14	1.438	1.472	1.670	121,400	144,200	18,200	20,200	18,300	84.31	2.01	4338	

2205 UNS S31803 2.000

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.