

Coiled Tubing 2205 UNS S31803 2.375

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	
2-3/8	2.375	0.109	0.109	0.104	2.63	2.157	0.742	3.688	62,100	73,700	6,200	6,900	3,400	189.70	4.52	3107
	2.375	0.118	0.118	0.113	2.83	2.139	0.803	3.627	66,900	79,500	6,700	7,400	4,100	186.55	4.44	3337
	2.375	0.125	0.125	0.118	2.99	2.125	0.837	3.593	70,700	83,900	7,100	7,900	4,900	184.12	4.39	3463
	2.375	0.134	0.134	0.127	3.20	2.107	0.897	3.533	75,500	89,600	7,600	8,400	5,800	181.01	4.31	3684
	2.375	0.145	0.145	0.138	3.44	2.085	0.970	3.460	81,300	96,500	8,300	9,200	7,000	177.25	4.22	3947
	2.375	0.156	0.156	0.148	3.68	2.063	1.035	3.395	87,000	103,300	9,000	10,000	8,200	173.53	4.13	4179
	2.375	0.175	0.175	0.167	4.10	2.025	1.158	3.272	96,800	114,900	9,900	11,000	9,800	167.20	3.98	4602
	2.375	0.188	0.188	0.180	4.37	1.999	1.241	3.189	103,300	122,700	10,600	11,800	11,000	162.93	3.88	4878
	2.375	0.204	0.204	0.194	4.71	1.967	1.329	3.101	111,300	132,200	11,500	12,800	11,900	157.76	3.76	5164
	2.375	0.224	0.224	0.214	5.12	1.927	1.453	2.977	121,100	143,800	12,700	14,100	13,100	151.40	3.61	5551
	2.375	0.250	0.250	0.240	5.65	1.875	1.610	2.820	133,500	158,600	14,200	15,800	14,600	143.34	3.42	6020
	2.375	0.276	0.276	0.266	6.16	1.823	1.762	2.668	145,600	172,900	15,300	17,000	15,600	135.50	3.23	6453
	2.375	0.281	0.281	0.271	6.26	1.813	1.791	2.639	147,900	175,600	15,500	17,200	15,800	134.02	3.19	6532
2.375	0.300	0.300	0.288	6.62	1.775	1.888	2.542	156,500	185,800	16,600	18,400	16,800	128.46	3.06	6791	

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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

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.

Jiangsu Tube Solution Co., Ltd.

The other coiled tubing supplier

Contact: sales@tubemfg.com