

Coiled Tubing 2205 UNS S31803 3.500

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	
3-1/2	3.500	0.156	0.156	0.148	5.55	3.188	1.559	8.063	131,100	155,700	6,100	6,800	3,400	414.39	9.87	9647
	3.500	0.175	0.175	0.167	6.19	3.150	1.749	7.872	146,200	173,700	6,800	7,500	4,300	404.57	9.64	10707
	3.500	0.188	0.188	0.180	6.62	3.124	1.877	7.744	156,500	185,800	7,300	8,100	5,100	397.92	9.48	11411
	3.500	0.204	0.204	0.194	7.15	3.092	2.015	7.606	169,000	200,700	7,900	8,800	6,200	389.81	9.29	12150
	3.500	0.224	0.224	0.214	7.80	3.052	2.209	7.412	184,400	219,000	8,600	9,600	7,600	379.79	9.05	13171
	3.500	0.250	0.250	0.240	8.64	3.000	2.458	7.163	204,200	242,500	9,800	10,900	9,600	366.96	8.74	14440
	3.500	0.276	0.276	0.266	9.46	2.948	2.703	6.919	223,600	265,600	10,500	11,700	11,000	354.35	8.44	15646
	3.500	0.281	0.281	0.271	9.62	2.938	2.749	6.872	227,300	270,000	10,700	11,900	11,200	351.95	8.39	15870
	3.500	0.300	0.300	0.288	10.21	2.900	2.906	6.715	241,300	286,500	11,500	12,800	11,900	342.90	8.17	16617

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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.