

Chemical Injection Line 2205 UNS S31803 0.375

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	
3/8	0.375	0.035	0.035	0.032	0.13	0.305	0.034	0.076	3,000	3,600	11,900	13,200	12,300	3.79	0.090	21
	0.375	0.049	0.049	0.044	0.17	0.277	0.046	0.065	4,000	4,800	16,500	18,300	16,700	3.13	0.075	26
	0.375	0.065	0.065	0.059	0.22	0.245	0.058	0.052	5,100	6,000	21,200	23,500	21,100	2.45	0.058	31
	0.375	0.080	0.080	0.072	0.26	0.215	0.069	0.042	5,900	7,000	25,200	28,000	24,800	1.88	0.045	34

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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