

## Capillary Tubes 2205 UNS S32205 0.500

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 <sup>2</sup>	inch <sup>2</sup>	lb	lb	psig	psig	psig	gal	bar
1/2	0.500	0.049	0.049	0.044	0.24	0.402	0.063	0.133	5,600	6,600	12,500	13,900	12,900	6.59	0.157	51
	0.500	0.065	0.065	0.059	0.31	0.370	0.081	0.115	7,100	8,400	16,300	18,100	16,500	5.58	0.133	62
	0.500	0.080	0.080	0.072	0.36	0.340	0.097	0.100	8,400	10,000	19,700	21,900	19,700	4.71	0.112	70

2205 UNS S32205 0.500

### Chemistry Composition

C,% 0.03 max Mn,% 2.00 max P,% 0.030 max S,% 0.020 max Si,% 1.00 max  
Cr,% 22.0-23.0 Ni,% 4.50-6.50 Mo,% 3.00-3.50 N,% 0.14-0.20

### 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