

Coiled Control Line 2205 UNS S31803 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 ² | inch ² | lb | lb | psig | psig | psig | gal | bar | ft.lbs | |
| 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 S31803 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,% 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