

Coiled Tubing 2205 UNS S31803 0.750

| 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 | |
| 3/4 | 0.750 | 0.080 | 0.080 | 0.076 | 0.57 | 0.590 | 0.161 | 0.281 | 13,500 | 16,000 | 14,000 | 15,600 | 14,400 | 14.19 | 0.34 | 190 |
| | 0.750 | 0.083 | 0.083 | 0.079 | 0.59 | 0.584 | 0.167 | 0.275 | 13,900 | 16,500 | 14,700 | 16,300 | 15,000 | 13.91 | 0.33 | 195 |
| | 0.750 | 0.087 | 0.087 | 0.083 | 0.62 | 0.576 | 0.174 | 0.268 | 14,500 | 17,200 | 15,400 | 17,100 | 15,700 | 13.53 | 0.32 | 202 |
| | 0.750 | 0.095 | 0.095 | 0.090 | 0.67 | 0.560 | 0.187 | 0.255 | 15,600 | 18,600 | 16,700 | 18,600 | 17,000 | 12.79 | 0.30 | 212 |
| | 0.750 | 0.102 | 0.102 | 0.097 | 0.71 | 0.546 | 0.199 | 0.243 | 16,600 | 19,700 | 18,100 | 20,100 | 18,300 | 12.16 | 0.29 | 223 |

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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