

Capillary Tubes 2205 UNS S31803 0.250

| 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 |
| 1/4 | 0.250 | 0.035 | 0.035 | 0.032 | 0.08 | 0.180 | 0.022 | 0.027 | 1,900 | 2,200 | 17,500 | 19,400 | 17,600 | 1.32 | 0.031 | 8 |
| | 0.250 | 0.049 | 0.049 | 0.044 | 0.11 | 0.152 | 0.029 | 0.021 | 2,500 | 2,900 | 23,600 | 26,200 | 23,300 | 0.94 | 0.022 | 10 |
| | 0.250 | 0.065 | 0.065 | 0.059 | 0.13 | 0.120 | 0.035 | 0.014 | 3,000 | 3,600 | 29,400 | 32,700 | 28,700 | 0.59 | 0.014 | 11 |

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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