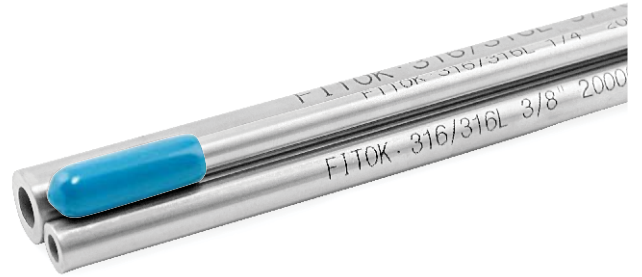


T20D Series

Features

- ⦿ Material: 316/316L
- ⦿ Working pressure up to 20,000 psig (1379 bar)
- ⦿ Working temperature: -325°F to 800°F (-198°C to 427°C)
- ⦿ Cold-drawn 1/8-hard seamless tubing
- ⦿ For use with FITOK 20D series (formerly DHL series) double-ferrule tube fittings
- ⦿ Marked with brand, material grade, specification, pressure and heat number
- ⦿ Standard length: 20 ft and 6 m



Materials

UNS	Grade	FITOK Designator	Composition %							
			C	Mn	P	S	Si	Cr	Ni	Mo
S31600/S31603	316/316L	SS	≤0.035	≤2.00	≤0.045	≤0.03	≤1.00	16-18	10-14	2.0-3.0

Mechanical Properties

UNS	Grade	Yield Strength ksi	Tensile Strength ksi	Elongation %	Hardness
S31600/S31603	316/316L	75 to 110	105 to 140	≥25	≤26 HRC

Dimensional Tolerance

Tube O.D. in.	O.D. Tolerance in.	Wall Thickness Tolerance %
1/4	+/-0.005	+/-10
3/8		
1/2		
9/16		
3/4		

Working Pressure at Ambient Temperature

Tube O.D. in.	Wall Thickness Tolerance in.	Working Pressure ^① psig (bar)
1/4	0.065	20,000 (1379)
3/8	0.083	
1/2	0.109	
9/16	0.125	
3/4	0.165	

① Working pressures are calculated from an S value of 50,000 psi (344 MPa) at -20 to 100°F (-28 to 38°C) for ASME B31.3 Chapter IX High Pressure Piping.

Elevated Temperature Factors

Temperature		Factor
°F	°C	
100	38	1.00
200	93	
300	149	
400	204	0.96
500	260	0.89
600	316	0.85
700	371	0.81
800	427	0.79

Ordering Information

Tube O.D. in.	Wall Thickness in.	Ordering Number ^{①②}	
1/4	0.065	SS-T20D-4-065-6M	SS-T20D-4-065-20
3/8	0.083	SS-T20D-6-083-6M	SS-T20D-6-083-20
1/2	0.109	SS-T20D-8-109-6M	SS-T20D-8-109-20
9/16	0.125	SS-T20D-9-125-6M	SS-T20D-9-125-20
3/4	0.165	SS-T20D-12-165-6M	SS-T20D-12-165-20

① In the ordering number, "6M" designates tubing length of 6 meters; "20" designates tubing length of 20 feet.

② Customized shorter length tubing is available upon request.