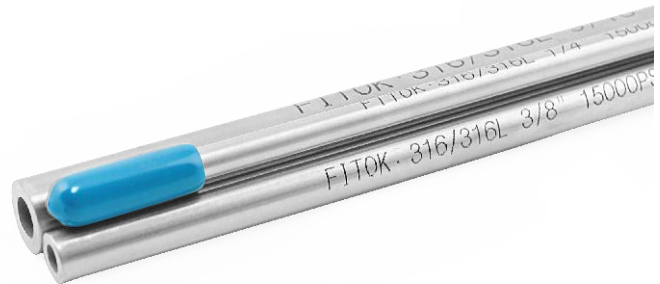


Medium and High Pressure Tubing

T15A Series

Features

- Materials: 316/316L, enhanced-316/316L
- Working pressures: up to 15,000 psig (1034 bar)
- Working temperature: -325°F to 1000°F (-198°C to 537°C)
- Supply conditions: annealed seamless tubing
- For use with FITOK 20D series tube fittings
- Marked with brand, material grade, specification, pressure, annealing designator and heat number
- Standard length: 40 in, 80 in, 10 ft, 20 ft, 1 m, 2 m, 3 m and 6 m
Customized length as per customer requirement is also available



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
Enhanced-S31600/S31603	Enhanced-316/316L ^①	SH	≤0.03					17-18	12-14	2.6-3.0

① Enhanced-316/316L complying with GB50516-2021 Technical Code for Hydrogen Fuelling Station is available, in which Nieq is not less than 28.5%. Contact FITOK Group for more information.

Mechanical Properties

UNS	Grade	Yield Strength ksi	Tensile Strength ksi	Elongation %	Hardness
S31600/S31603	316/316L	≥30	≥75	≥30	≤90 HRB
Enhanced-S31600/S31603	Enhanced-316/316L				

Dimensional Tolerance

Tube O.D. in.	O.D. Tolerance in.	Wall Thickness Tolerance %
1/8	+/-0.003	+/-10
1/4	+/-0.005	
3/8		
1/2		
3/4		
1		

Working Pressure at Ambient Temperature

Working pressures are calculated in accordance with ASME B31.3.

Tube O.D. in.	Wall Thickness in.	Working Pressure psig (bar)
1/8	0.037	15,000 (1,034)
1/4	0.083	15,000 (1,034)
	0.065	10,300 (710)
3/8	0.118	15,000 (1,034)
	0.095	10,000 (690)
1/2	0.156	15,000 (1,034)
	0.134	11,200 (772)
3/4	0.240	15,000 (1,034)
	0.188	10,000 (690)
1	0.220	10,000 (690)

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
1000	537	0.76

Ordering Information

Tube O.D. in.	Wall Thickness in.	Ordering Number ^{①②}	
1/8	0.037	□□-T15A-2-037-6M	□□-T15A-2-037-20F
1/4	0.083	□□-T15A-4-083-6M	□□-T15A-4-083-20F
	0.065	□□-T15A-4-065-6M	□□-T15A-4-065-20F
3/8	0.118	□□-T15A-6-118-6M	□□-T15A-6-118-20F
	0.095	□□-T15A-6-095-6M	□□-T15A-6-095-20F
1/2	0.156	□□-T15A-8-156-6M	□□-T15A-8-156-20F
	0.134	□□-T15A-8-134-6M	□□-T15A-8-134-20F
3/4	0.240	□□-T15A-12-240-6M	□□-T15A-12-240-20F
	0.188	□□-T15A-12-188-6M	□□-T15A-12-188-20F
1	0.220	□□-T15A-16-220-6M	□□-T15A-16-220-20F

① In the ordering number, "6M" designator refers to 6 m tubing length and "20F" designator refers to 20 ft tubing length.

② To order, add the material designator as prefix: SS for 316/316L and SH for enhanced-316/316L.