

SG-LOK TUBES



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Features

- Fully bright annealed for outstanding corrosion resistance.
- Excellent internal roughness due to state of art process technology and precise cleaning.
- Exact dimension and Mechanical Test (Hardness, Tensile, Yield, etc...).
- Strict size tolerance control in accordance with ASTM standards.
- Exact hardness for proper tubing.
- ECT (Eddy Current Test) for every piece of tubing.
- Guaranteed application for all SG-LOK tube fittings and valves with SG-LOK ports.

Materials of Construction

- TP316/316L in accordance with ASTM A213/A269 is available for SG-LOK seamless tubes.

Standard Products Size (Seamless tubes)

Tube O.D.	Fractional (Inch) Tube							Metric Tube (mm)			
	inch	1/8	1/4	3/8	1/2	3/4	1	6	8	10	12
	mm	3.17	6.35	9.53	12.7	19.05	25.4				
Wall Thickness (mm)		0.89	0.89	0.89	0.89	-	-	1	1	1	1
		1.24	1.24	1.24	1.24	1.24	-				
		-	-	-	1.65	1.65	1.65				
		-	-	-	-	2.11	2.11				
		-	-	-	-	-	2.77				

Chemical Composition

Chemical Composition (%) - TP316/316L (ASTM A269)							
C	Mn	Si	P	S	Ni	Cr	Mo
≤0.035	≤2.00	≤1.00	≤0.045	≤0.030	10.00 ~ 14.00	16.00 ~ 18.00	2.00 ~ 3.00

Mechanical Characteristic (ASTM A370)

Yield Strength Rp0.2(MPa)	Tensile Strength Rm (MPa)	Elongation (%)	Hardness (HRB)
≥170	≥505	≥35%	≤90

How To order

SG-LOK tubes are ordered by part number as shown below.

Example: The following part number, SGT S-04 T089 L06-BA is designated for SG-LOK SS316/316L straight tube, 1/4" Tube O.D., 0.89mm Nominal Wall Thickness, 6m length, Bright Annealing.

SGT	S	04	T089	L06	BA
SG-LOK Tube	Shape	Tube O.D.	Nominal Wall Thickness	Length	Surface Finish Level

Shape	
S	Straight
C	Coil

Nominal Wall Thickness(mm)	
T089	0.89
T124	1.24
T165	1.65
T211	2.11
T277	2.77

Tube O.D.							
Fractional (Inch) Tube O.D. Designation							
Tube O.D.	inch	1/8	1/4	3/8	1/2	3/4	1
	mm	3.17	6.35	9.52	12.7	19.05	25.4
Designator		02	04	06	08	12	16
Metric Tube O.D. Designation							
Tube O.D.		6 mm	8 mm	10 mm	12 mm		
Designator		6M	8M	10M	12M		

Length (m)	
L03	3
L06	6

Surface Finish Level	
AP	Annealing & Pickling
BA	Bright Annealing
EP	Electro Polishing