

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)

		Fraction	al (Inch) Tube			Metric Tube (mm)			n)	
Tube O.D.	inch	1/8	1/4	3/8	1/2	3/4	1	C	0	40	40
	mm	3.17	6.35	9.53	12.7	19.05	25.4	6	8	10	12
		0.89	0.89	0.89	0.89	-	-	1 1		1	
		1.24	1.24	1.24	1.24	1.24	-		1		1
Wall Thicknes	Wall Thickness (mm)		-	-	1.65	1.65	1.65				
		-	-	-	-	2.11	2.11				
		-	-	-	-	-	2.77				

Chemical Composition

Chemical Composition (%) - TP316/316L (ASTM A269)							
С	Mn	Si	Р	S	Ni	Cr	Мо
≤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)

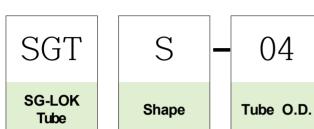
Yield Strength	Tensile Strength	Elongation	Hardness	
Rp0.2(MPa)	Rm (MPa)	(%)	(HRB)	
≥170	≥505	≥35%		



How To order

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

Example: The following part number, SGTS-04T089L06-BA is designated for SG-LOK SS316/316L straight tube, 1/4" Tube O.D,, 0.89mm Nominal Wall Thickness, 6m length, Bright Annealing.







BA Surface Finish Level

Shape			
S	Straight		
С	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	
Tube O.D.	mm	3.17	6.3	35	9.52	12.7	19	.05	25.4	
Designator		02	0.	4	06	08	1	2	16	
Metric Tube O.D. Designation										
Tube O.D.		6 mm		8	mm	10 mm		12	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				