

Stainless Steel Seamless Tubing

Features

- © Sizes range from 1/16" to 1 1/2" and 2 mm to 38 mm.
- © Marked to indicate material, size, specifications, and heat number.

Material Standards

Grade	UNS Designation	ASTM	ASME
316/316L	S31600/S31603	A269/A213	SA213
304/304L	S31400/S31403		
321	S32100		



Allowable Working Pressure

Fractional Tubing

Tube O.D. in.	Nominal Wall Thickness, in.															
	0.010	0.012	0.014	0.016	0.020	0.028	0.035	0.049	0.065	0.083	0.095	0.109	0.120	0.134	0.156	0.188
	Working Pressure, psig															
	Note: For gas service, select a tube thickness outside of the shaded area															
1/16	5660	6870	8180	9490	12100											
1/8						8580	11000									
3/16						5450	7070	10300								
1/4						4040	5150	7570	10300							
5/16							4040	5860	8080							
3/8							3330	4850	5860							
1/2							2420	3530	4750	6260						
5/8								2930	4040	5250	6060					
3/4								2420	3330	4240	4950	5860				
7/8								2020	2830	3640	4240	4850				
1									2420	3130	3640	4240	4750			
1 1/4										2420	2830	3330	3640	4310	5250	
1 1/2											2320	2730	3030	3430	4040	4950

Metric Tubing

Tube O.D. mm	Nominal Wall Thickness, mm													
	0.8	1.0	1.2	1.5	1.8	2.0	2.2	2.5	2.8	3.0	3.5	4.0	4.5	5.0
	Working Pressure, bar													
	Note: For gas service, select a tube thickness outside of the shaded area													
3	677													
6	313	424	545	717										
8		313	394	525										
10		242	303	404	515	586								
12		202	252	333	414	475								
14		162	202	273	343	384	434							
15		151	192	252	313	364	404							
16			172	232	293	333	374	404						
18			151	202	263	293	323	374						
20			141	182	232	263	293	333	384					
22			121	162	202	232	263	303	343					
25					182	202	232	263	293	323				
28						182	202	232	263	283	333			
30						172	182	212	242	263	313			
32						162	172	202	222	242	293	333		
38							141	162	192	202	242	273	313	

Note: The allowable working pressures of fractional and metric tubing are based on ANSI/ASME B31.3 for Process Piping.

