



Dixon Sanitary Tubing



Sizes

- 1/2" – 6" O.D. tube

Features

- Surcharges change MONTHLY
- Tubing available in 20' lengths only
- Broken box charges apply
- Tubing only ships via truck
- Tubing is NOT returnable

Materials

- G = 304 stainless steel
- R = 316L stainless steel
- 3A sanitary finish I.D. and O.D.; Typical 32Ra
- Unpolished
- BPE finishes:
 - SF1: 20Ra I.D., 32Ra O.D.
 - SF4: 15Ra I.D., 32Ra O.D.

NOTE: Call Dixon Sanitary at 800.789.1718 for pricing, full freight allowance, and other sizes available.

Tube O.D.	Nominal Wall Thickness (in)	Gage Number	Wt. Pounds per Ft.
1/2"	.065	16	0.31
3/4"			0.49
1"			0.67
1-1/2"			1.02
2"			1.36
2-1/2"			1.71
3"			2.06
4"	.083	14	3.45
6"	.109	12	6.92

Operating Pressures

304 Stainless Steel Tube

Tube O.D.	Nominal Wall Thickness (in)	Pressure (PSI)		
		Working	Yield	Burst
1/2"	.065	4,870	7,800	19,500
3/4"		3,250	5,200	13,000
1"		2,440	3,900	9,800
1-1/2"		1,630	2,600	6,500
2"		1,220	2,000	4,900
2-1/2"		980	1,600	3,900
3"		810	1,300	3,300
4"	.083	780	1,200	3,100
6"	.109	680	1,090	2,720

316L Stainless Steel Tube

Tube O.D.	Nominal Wall Thickness (in)	Pressure (PSI)		
		Working	Yield	Burst
1/2"	.065	3,250	6,500	19,500
3/4"		2,167	4,330	13,000
1"		2,280	3,300	9,100
1-1/2"		1,520	2,200	6,100
2"		1,140	1,600	4,600
2-1/2"		910	1,300	3,600
3"		760	1,100	3,000
4"	.083	730	1,000	2,900
6"	.109	635	900	2,540

The pressures shown in the table above are calculated using Barlow's Formula and the following properties:

- Material: 304 stainless steel
- Yield strength (PSI): 30,000
- Tensile strength (PSI): 75,000

Working Pressure = 1/4 of Burst Pressure, these calculate from -20°F to 100°F (-29°C to 38°C).

The pressures shown in the table above are calculated using Barlow's Formula and the following properties:

- Material: 316L stainless steel
- Yield strength (PSI): 25,000
- Tensile strength (PSI): 70,000

Working Pressure = 1/4 of Burst Pressure, these calculate from -20°F to 100°F (-29°C to 38°C).

Pipe size and tube O.D. size materials are not interchangeable.

