Dixon Sanitary Tubing

3A 331
33-03

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

Size
- 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
- Call Dixon Sanitary at 800.789.1718 for pricing, full freight allowance, and other sizes available

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.

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"	.065	**3,250**	**5,200**	**13,000**
1"	.065	**2,440**	**3,900**	**9,800**
1-1/2"	.065	**1,630**	**2,600**	**6,500**
2"	.065	**1,220**	**2,000**	**4,900**
2-1/2"	.065	**980**	**1,600**	**3,900**
3"	.065	**810**	**1,300**	**3,300**
4"	.083	**780**	**1,200**	**3,100**
6"	.109	**680**	**1,090**	**2,720**

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)**.

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"	.065	**2,167**	**4,330**	**13,000**
1"	.065	**2,280**	**3,300**	**9,100**
1-1/2"	.065	**1,520**	**2,200**	**6,100**
2"	.065	**1,140**	**1,600**	**4,600**
2-1/2"	.065	**910**	**1,300**	**3,600**
3"	.065	**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: 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 interchangable

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