

Stainless Annular Hose - Series 300

ISO 10380 Qualified

- Available in 304, 321,316L stainless steel and other materials on request
- Pressure capability includes full vacuum to pressures shown below
- Temperature rating from cryogenic to 1500°F
- Consult [Temperature Correction Factors](#) for concurrent high temperature/high pressure applications
- Meets or exceeds ISO 10380 at maximum working pressure
- Hose corrugation designs include Standard Pitch, Open Pitch and Superflex. (

Series 300 Hose — Annular, Stainless Steel, Standard Pitch Hose								
Nominal Hose Size (in.)	Braid Layers ^a	Nominal Outside Diameter	Minimum Centerline Bend Radius (in.)		Pressure Ratings at 70°F (PSIG) ^b			Weight Per Foot (lb.)
			Static	Dynamic	Max. Working	Max. Test	Nominal Burst	
1/4 ^d	0	0.46	4	6	140	210	—	0.09
	1	0.51			2375	3563	9500	0.18
	2	0.56			3125	4688	12500	0.27
3/8	0	0.61	2	4	100	150	—	0.12
	1	0.67			1650	2475	6600	0.23
	2	0.73			2200	3300	8800	0.35
1/2	0	0.76	3	5	75	113	—	0.16
	1	0.81			1100	1650	4400	0.26
	2	0.87			1625	2438	6500	0.37
3/4	0	1.05	4	6	50	75	—	0.26
	1	1.10			800	1200	3200	0.43
	2	1.16			1250	1875	5000	0.62
1	0	1.34	4.5	7	50	75	—	0.36
	1	1.42			750	1125	3000	0.62
	2	1.50			1000	1500	4000	0.91
1-1/4	0	1.64	4	11	25	37.5	—	0.45
	1	1.72			725	1088	2900	0.82
	2	1.80			1100	1650	4400	1.23

1-1/2	0	1.88	4.5	12	20	30	—	0.48
	1	1.95			565	850	2260	0.82
	2	2.02			887	1330	3550	1.23
2	0	2.48	5	13	16	24	—	0.70
	1	2.58			500	750	2000	1.38
	2	2.69			750	1050	3000	2.14
2-1/2	0	3.33	5	13	12	18	—	1.28
	1	3.45			400	600	1600	2.09
	2	3.57			600	900	2400	2.98
3	0	3.89	7.5	16	8	12	—	1.53
	1	4.01			288	431	1150	2.39
	2	4.13			431	647	1725	3.35
3-1/2	0	4.36	8	17	7.5	11	—	1.65
	1	4.45			285	428	1140	2.80
	2	4.53			400	600	1600	4.08
4	0	4.83	10	20	5	7.5	—	1.95
	1	5.03			250	375	1000	3.14
	2	5.23			375	563	1500	4.46
5	0	5.94	12	24	3.5	5.3	—	2.76
	1	6.10			200	300	800	4.08
	2	6.14			245	367	980	5.53
	1 BB	6.22			245	367	980	5.07
6	0	6.95	15	30	3	4.5	—	3.34
	1	7.15			175	263	700	4.79
	2	7.35			225	338	900	6.39
	1 BB	7.20			275	413	1100	6.04
8	0	9.08	20	40	2.7	4.1	—	5.32
	1 BB	9.44			212	318	850	7.66
10	0	11.10	25	50	2.2	3.3	—	8.71
	1 BB	11.49			175	263	700	12.65
12	0	13.22	30	60	1.8	2.7	—	11.58
	1 BB	13.51			160	240	640	17.53
14	0	16.46	35	70	1.7	2.6	—	14.57
	1 BB	16.71			110	165	440	23.05

a. Standard braid constructions are shown without a type designation. See [Stainless Braid](#) for detailed braid specifications. The “BB” designation indicates braided braid.

b. OmegaFlex hose and corresponding braid must be used in combination to achieve pressure ratings.