

Flex Hose USA

Flexible Vacuum Tubing Products



Size Ranges from .25" I.D. up to 16" I.D.

End Connections include Tube Stub Ends

VCR[®] ends, VCO[®] ends, and Flange Ends

Standard Material is 321 Stainless Steel

Additional sizes and wall thicknesses available

Standard Testing is 1 x 10⁻⁹ cm³/s max leak rate

Flex Hose USA 4355 Technology Drive, Unit G Livermore, CA. 94551
925-443-8500 info@flexhoseusa.com www.flexhoseusa.com

Bellows Wall Thickness Range 0.004-0.012
 .25" Inside Diameter up to 12" Inside Diameter



NOM. ID	DESCRIPTION	WALL THICKNESS	NOMINAL OD	MAX WORKING PRESSURE (PSI)	MAX BURST PRESSURE (PSI)	MAX STATIC COMPRESSION (IN.)	STATIC BEND RADIUS (IN.)	DYNAMIC BEND RADIUS (IN.)
0.25	.25"IDX.004" 321	0.004	0.38	48	192	3	0.8	3
0.38	.375"IDX.005" 321	0.005	0.60	23	90	3	1.3	5
0.50	.500"IDX.005" 321	0.005	0.75	24	95	3	1.5	6
0.75	.75"IDX.006" 321	0.006	1.02	29	115	3	1.8	7
1.00	1.0"IDX.006" 321	0.006	1.37	20	80	3	2.8	11

NOM. ID	DESCRIPTION	WALL THICKNESS	NOMINAL OD	MAX WORKING PRESSURE (PSI)	MAX BURST PRESSURE (PSI)	MAX STATIC COMPRESSION (IN.)	STATIC BEND RADIUS (IN.)	DYNAMIC BEND RADIUS (IN.)
1.50	1.5"IDX.006" 321	0.006	1.91	11	44	3	4.5	14
2.00	2.0"IDX.006" 321	0.006	2.45	10	40	3	4.5	18
2.50	2.5"IDX.006" 321	0.006	3.07	8	30	3	5.5	22
3.00	3.0"IDX.008" 321	0.008	3.76	6	25	3	6.8	27
3.25	3.25"IDX.008" 321	0.008	4.00	6	25	3	7.3	29
3.50	3.50"IDX .008" 321	0.008	4.30	7	28	3	7.8	31
4.00	4"IDX.008"X12" 321	0.008	4.78	6	24	3	8.5	34
5.00	5"IDX.008" 321	0.008	5.75	6	25	3	10.5	42
5.50	5.50"IDX.008" 321	0.008	6.25	6	25	3	11.3	45
6.00	6.0"IDX.010" 321	0.010	6.84	7	28	3	12.5	50
7.00	7.0"IDX.012" 321	0.012	8.15	6	25	3	14.8	59
8.00	8.0"IDX.012" 321	0.012	9.25	5	20	3	31	67

NOM. ID	DESCRIPTION	WALL THICKNESS	NOMINAL OD	MAX WORKING PRESSURE (PSI)	MAX BURST PRESSURE (PSI)	MAX STATIC COMPRESSION (IN.)	STATIC BEND RADIUS (IN.)	DYNAMIC BEND RADIUS (IN.)
10.00	10.00"IDX.012" 321	0.012	11.25	5	20	3	40	82
12.00	12.00"IDX.012" 321	0.012	13.88	4	16	3	50	102

Bellows Wall Thickness Range 0.008-0.020

.75" Inside Diameter up to 16" Inside Diameter



NOM. ID	DESCRIPTION	WALL THICKNESS	NOMINAL OD	MAX WORKING PRESSURE (PSI)	MAX BURST PRESSURE (PSI)	MAX STATIC COMPRESSION (IN.)	STATIC BEND RADIUS (IN.)	DYNAMIC BEND RADIUS (IN.)
0.75	.75"IDX.008" 321	0.008	1.02	29	115	3	1.8	7.5
1.00	1.0"IDX.008" 321	0.008	1.37	20	80	3	2.8	11
1.50	1.5"IDX.010" 321	0.010	1.91	29	116	3	4.5	14
2.00	2.0"IDX.012" 321	0.012	2.45	35	140	3	4.5	18
2.50	2.5"IDX.012" 321	0.012	3.08	20	80	3	5.5	22
4.00	4.0"IDX.010" 321	0.010	4.78	9	36	3	8.5	34
5.00	5.0"IDX.010" 321	0.010	5.75	11	42	3	10.0	42
7.50	7.50"IDX.012" 321	0.012	8.70	6	25	3	15.8	63
10.00	10.00"IDX.016" 321	0.016	11.25	10	40	3	40.0	82
12.00	12.00"IDX.016" 321	0.016	13.88	6	24	3	50.0	102
12.75	12.75"IDX.016" 321	0.016	14.56	5	18	3	50.0	107
16.00	16.00"IDX.020" 321	0.020	17.43	11	45	3	50.0	129

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