

Construction:

Monel® 400 hose and braid
Annular construction

Maximum Working Pressure:

Full vacuum up to 3025 psig
depending on size

Sizes:

1/2" through 3"

Temperature:

Cryogenic to 800°F

NOMINAL HOSE I.D.	HOSE TYPE	HOSE O.D.	WEIGHT PER FT.	MIN.LIVE LENGTH FOR VIBRATION	MINIMUM BEND RADIUS		MAXIMUM WORKING PRESSURE	MAXIMUM TEST PRESSURE	NORMAL BURST PRESSURE
					STATIC BEND	DYNAMIC FLEXING			
1/4"	500	0.49	0.16	3.75	0.875	5.500	180	270	—
	501	0.55	0.23	3.75	0.875	5.500	2250	3375	9000
	502	0.61	0.31	3.75	0.875	5.500	3025	4535	12100
3/8"	500	0.66	0.24	4.50	1.125	6.000	140	210	—
	501	0.73	0.34	4.50	1.125	6.000	1575	2360	6300
	502	0.79	0.44	4.50	1.125	6.000	2050	3075	8200
1/2"	500	0.84	0.40	5.00	1.500	7.000	120	180	—
	501	0.90	0.51	5.00	1.500	7.000	835	1250	3340
	502	0.96	0.64	5.00	1.500	7.000	1500	2250	6000
3/4"	500	1.21	0.79	5.75	2.125	8.500	90	135	—
	501	1.27	0.96	5.75	2.125	8.500	600	900	2400
	502	1.33	1.15	5.75	2.125	8.500	1080	1620	4320
1"	500	1.53	1.02	7.00	2.750	10.000	56	85	—
	501	1.59	1.22	7.00	2.750	10.000	420	630	1680
	502	1.65	1.44	7.00	2.750	10.000	755	1130	3025
1 1/4"	500	1.86	1.61	7.50	3.250	11.500	53	80	—
	501	1.92	1.84	7.50	3.250	11.500	315	420	1270
	502	1.98	2.08	7.50	3.250	11.500	570	855	2285
1 1/2"	500	2.19	1.97	8.00	3.750	13.000	37	55	—
	501	2.29	2.55	8.00	3.750	13.000	565	850	2260
	502	2.39	3.16	8.00	3.750	13.000	1015	1526	4060
2"	500	2.83	2.63	9.50	5.000	16.000	20	30	—
	501	2.93	3.37	9.50	5.000	16.000	415	620	1660
	502	3.03	4.11	9.50	5.000	16.000	745	1015	2985
3"	500	3.57	1.69	9.00	8.250	21.000	4	6	—
	501	3.67	2.50	9.00	8.250	21.000	225	335	900
	502	3.77	3.32	9.00	8.250	21.000	425	635	1700

Monel® Slip-On Braid Specifications

TYPICAL HOSE O.D. (IN.)	NOMINAL HOSE I.D. (IN.)	BRAID I.D. (IN.)	BRAID CONSTRUCTION	BRAID ANGLE	COVERAGE (%)	WORKING PRESSURE (PSIG)	WEIGHT (LB/FT)
0.49	1/4	0.48	24x5x.0126	52	84.0	1665	0.07
0.66	3/8	0.66	24x7x.0126	52	86.1	1160	0.10
0.84	1/2	0.84	24x8x.0126	52	80.8	830	0.12
1.21	3/4	1.20	48x6x.0126	52	83.7	605	0.17
1.53	1	1.53	48x8x.0126	52	86.2	415	0.23
1.86	1 1/4	1.86	48x10x.0126	52	97.6	315	0.29
2.19	1 1/2	2.19	48x8x.020	52	90.8	570	0.58
2.83	2	2.83	48x10x.020	52	89.5	415	0.73
3.57	3	3.57	48x10x.020	45	94.3	185	0.64