

# 700 Series Stainless Steel Hose

700 Series is Penflex's oldest product line and one of the most widely used annular corrugated metal hoses in the industry. With an excellent combination of wall thickness and pressure capability, 700 Series is reliable, easily fabricated, and suitable for most applications.

Nom. I.D. (in.)	Part Number	Braid Layers	Braid Construction	Braid Coverage (%)	Nom. O.D. (in.)	Maximum Pressure @ 70°F (PSIG) <sup>a</sup>		Bend Radius (in.)		Weight per Foot (Lb.)
						Working <sup>b</sup>	Nominal Burst	Dynamic	Static	
	7xx-004	0			0.48	180	---			0.09
1/4"	7xx-1SB-004	1	24 x 5 x .014	89	0.57	2,116	8,464	5.00	1.00	0.17
	7xx-2SB-004	2			0.64	3,125	12,500			0.26
	7xx-006	0			0.63	100	---			0.13
3/8"	7xx-1SB-006	1	24 x 7 x .014	91	0.7	1,501	6,004	5.50	1.25	0.25
	7xx-2SB-006	2			0.81	2,401	9,604			0.36
	7xx-008	0			0.82	80	---			0.23
1/2"	7xx-1SB-008	1	24 x 7 x .014	82	0.89	1,075	4,301	6.00	1.50	0.34
	7xx-2SB-008	2			0.96	1,720	6,880			0.46
	7xx-012	0			1.21	70	---			0.39
3/4"	7xx-1SB-012	1	36 x 8 x .014	90	1.28	792	3,168	8.00	2.25	0.59
	7xx-2SB-012	2			1.35	1,267	5,069			0.79
	7xx-016	0			1.51	40	---			0.53
1"	7xx-1SB-016	1	36 x 9 x .014	85	1.58	571	2,285	9.00	2.75	0.75
	7xx-2SB-016	2			1.65	914	3,654			0.98
	7xx-020	0			1.85	25	---			0.76
1-1/4"	7xx-1SB-020	1	48 x 7 x .016	83	1.93	531	2,125	10.50	3.50	1.07
	7xx-2SB-020	2			2.02	850	3,398			1.37
	7xx-024	0			2.19	20	---			0.84
1-1/2"	7xx-1SB-024	1	48 x 9 x .016	87	2.28	472	1,887	12.00	4.00	1.23
	7xx-2SB-024	2			2.37	755	3,021			1.63
	7xx-032	0			2.6	15	---			0.90
2"	7xx-1SB-032	1	48 x 9 x .020	89	2.72	516	2,064	15.00	5.00	1.52
	7xx-2SB-032	2			2.84	826	3,302			2.14
	7xx-040	0			3.23	12	---			1.16
2-1/2"	7xx-1SB-040	1	72 x 7 x .020	86	3.33	387	1,548	20.00	8.00	1.86
	7xx-2SB-040	2			3.43	619	2,477			2.56
	7xx-048	0			3.78	10	---			1.21
3"	7xx-1SB-048	1	72 x 8 x .020	85	3.88	316	1,264	22.00	9.00	2.00
	7xx-2SB-048	2			3.98	506	2,022			2.80
	7xx-056	0			4.32	9	---			1.62
3-1/2"	7xx-1SB-056	1	72 x 10 x .020	84	4.45	297	1,188	24.00	10.00	2.61
	7xx-2SB-056	2			4.58	475	1,900			3.60
	7xx-064	0			4.85	8	---			1.69
4"	7xx-1SB-064	1	72 x 10 x .020	84	4.98	232	927	27.00	13.00	2.68
	7xx-2SB-064	2			5.1	371	1,485			3.68
	7xx-080	0			5.9	6	---			2.50
5"	7xx-1SB-080	1	96 x 12 x .020	95	6.03	245	978	31.00	18.00	4.10
	7xx-2SB-080	2			6.15	317	1,267			5.70
	7xx-096	0			6.87	5	---			3.47
6"	7xx-1SB-096	1	96 x 12 x .020	90	7.1	165	660	36.00	19.00	4.75
	7xx-2SB-096	2			7.33	264	1,056			6.04
	7xx-128	0			9.12	6	---			5.56
8"	7xx-1SB-128	1	96 x 21 x .024	96	9.22	234	934	40.00	20.00	9.44
	7xx-2SB-128	2			9.31	374	1,495			13.36
	7xx-160	0			11.18	5	---			6.80
10"	7xx-1SB-160	1	96 x 25 x .028	98	11.32	230	918	50.00	25.00	12.90
	7xx-2SB-160	2			11.45	367	1,469			19.00
	7xx-192	0			13.17	3	---			9.02
12"	7xx-1SB-192	1	96 x 25 x .028	97	13.31	161	643	60.00	30.00	14.83
	7xx-2SB-192	2			13.44	257	1,029			20.64

a. Pressures listed have been reduced to account for welding as the method of attachment. Other methods such as brazing, neck-down designs or crimping will result in different pressures. Contact the factory for details.

b. Test pressure is 1.5x the Maximum Allowable Working Pressure (MAWP) for single braid layer and 1.1x MAWP for multiple braid layers.