

Penflex's Most Widely Used Hose

Series 700 Stainless Steel Hose

Construction: Annular / Standard Pitch – Open Pitch & Compressed Pitch hose available upon request, consult factory
 Material: Hose: For 321, use 721; For 316L, use 716; For 304, use 704 (14" only)
 Braid: For 304, use 1SB; For 316L, use 1SB-6; 8" & above is braided braid
 Characteristics: Medium Weight / Medium Flexibility

Nom. I.D. (in.)	Part Number	Braid Layers	Braid Construction	Braid Coverage (%)	Nom. O.D. (in.)	Maximum Pressure @70°F(PSIG) ^a		Centerline Bend Radius(in.)		Weight per Foot (LB.)
						Working ^b	Nominal Burst	Dynamic	Static	
1/4"	7xx-004	0			.48	180	----			0.09
	7xx-1SB-004	1	24 x 5 x .014	89	.57	2,116	8,464	5.00	1.00	0.17
	7xx-2SB-004	2			.64	3,125	12,500			0.26
3/8"	7xx-006	0			.63	100	----			0.13
	7xx-1SB-006	1	24 x 7 x .014	91	.70	1,501	6,004	5.50	1.25	0.25
	7xx-2SB-006	2			.81	2,401	9,604			0.36
1/2"	7xx-008	0			.82	80	----			0.23
	7xx-1SB-008	1	24 x 7 x .014	82	.89	1,075	4,301	6.00	1.50	0.34
	7xx-2SB-008	2			.96	1,720	6,880			0.46
3/4"	7xx-012	0			1.21	70	----			0.39
	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
1"	7xx-016	0			1.51	40	----			0.53
	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
1-1/4"	7xx-020	0			1.85	25	----			0.76
	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
1-1/2"	7xx-024	0			2.19	20	----			0.84
	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
2"	7xx-032	0			2.60	15	----			0.90
	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
2-1/2"	7xx-040	0			3.23	12	----			1.16
	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
3"	7xx-048	0			3.78	10	----			1.21
	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
3-1/2"	7xx-056	0			4.32	9	----			1.62
	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
4"	7xx-064	0			4.85	8	----			1.69
	7xx-1SB-064	1	72 x 10 x .020	84	4.98	232	927	27.00	13.00	2.68
	7xx-2SB-064	2			5.10	371	1,485			3.68
5"	7xx-080	0			5.90	6	----			2.50
	7xx-1SB-080	1	72 x 8 x .025	74	6.03	191	764	31.00	18.00	3.75
	7xx-2SB-080	2			6.15	306	1,222			5.00
6"	7xx-096	0			6.87	5	----			3.47
	7xx-1SB-096	1	96 x 12 x .020	90	7.10	165	660	36.00	19.00	4.75
	7xx-2SB-096	2			7.33	264	1,056			6.04
8"	7xx-128	0			9.09	6	----			5.56
	7xx-1SB-128	1	96 x (21 x .024)	96	9.19	234	934	40.00	20.00	9.44
	7xx-2SB-128	2			9.28	374	1,495			13.36
10"	7xx-160	0			11.18	5	----			6.80
	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
12"	7xx-192	0			13.17	3	----			9.02
	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
14"	7xx-224	0			14.70	3	----			14.10
	7xx-1SB-224	1	96 x (25 x .028)	93	14.84	119	476	70.00	35.00	21.70
	7xx-2SB-224	2			14.98	190	760			29.30

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 Working Pressure.