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 (DN350 only)
Braid: For 304, use 1SB; For 316L, use 1SB-6; DN200 & above is braided braid
Characteristics: Medium Weight / Medium Flexibility

Nom. I.D. (mm)	Part Number	Braid Layers	Braid Construction	Braid Coverage (%)	Nom. O.D. (mm)	Maximum Pressure @21°C (BAR)[a]		Centerline Bend Radius (mm)		Weight per M (Kg)
						Working[b]	Nominal Burst	Dynamic	Static	
6	7xx-004	0	24 x 5 x .356	89	12.19	12.41	----	127.00	25.40	0.13
	7xx-1SB-004	1			14.48	145.89	583.57			0.25
	7xx-2SB-004	2			16.26	215.46	861.84			0.39
10	7xx-006	0	24 x 7 x .356	91	16.00	6.89	----	139.70	31.75	0.19
	7xx-1SB-006	1			17.78	103.49	413.96			0.37
	7xx-2SB-006	2			20.57	165.54	662.17			0.54
12	7xx-008	0	24 x 7 x .356	82	20.83	5.52	----	152.40	38.10	0.34
	7xx-1SB-008	1			22.61	74.12	296.54			0.51
	7xx-2SB-008	2			24.38	118.59	474.36			0.68
20	7xx-012	0	36 x 8 x .356	90	30.73	4.83	----	203.20	57.15	0.58
	7xx-1SB-012	1			32.51	54.61	218.43			0.88
	7xx-2SB-012	2			34.29	87.36	349.50			1.18
25	7xx-016	0	36 x 9 x .356	85	38.35	2.76	----	228.60	69.85	0.79
	7xx-1SB-016	1			40.13	39.37	157.55			1.12
	7xx-2SB-016	2			41.91	63.02	251.93			1.46
32	7xx-020	0	48 x 7 x .406	83	46.99	1.72	----	266.70	88.90	1.13
	7xx-1SB-020	1			49.02	36.61	146.51			1.59
	7xx-2SB-020	2			51.31	58.61	234.28			2.04
40	7xx-024	0	48 x 9 x .406	87	55.63	1.38	----	304.80	101.60	1.25
	7xx-1SB-024	1			57.91	32.54	130.10			1.83
	7xx-2SB-024	2			60.20	52.06	208.29			2.43
50	7xx-032	0	48 x 9 x .508	89	66.04	1.03	----	381.00	127.00	1.34
	7xx-1SB-032	1			69.09	35.58	142.31			2.26
	7xx-2SB-032	2			72.14	56.95	227.66			3.18
65	7xx-040	0	72 x 7 x .508	86	82.04	0.83	----	508.00	203.20	1.73
	7xx-1SB-040	1			84.58	26.68	106.73			2.77
	7xx-2SB-040	2			87.12	42.68	170.78			3.81
80	7xx-048	0	72 x 8 x .508	85	96.01	0.69	----	558.80	228.60	1.80
	7xx-1SB-048	1			98.55	21.79	87.15			2.98
	7xx-2SB-048	2			101.09	34.89	139.41			4.17
90	7xx-056	0	72 x 10 x .508	84	109.73	0.62	----	609.60	254.00	2.41
	7xx-1SB-056	1			113.03	20.48	81.91			3.88
	7xx-2SB-056	2			116.33	32.75	131.00			5.36
100	7xx-064	0	72 x 10 x .508	84	123.19	0.55	----	685.80	330.20	2.51
	7xx-1SB-064	1			126.49	16.00	63.91			3.99
	7xx-2SB-064	2			129.54	25.58	102.39			5.48
125	7xx-080	0	72 x 8 x .635	74	149.86	0.41	----	787.40	457.20	3.72
	7xx-1SB-080	1			153.16	13.17	52.68			5.58
	7xx-2SB-080	2			156.21	21.10	84.25			7.44
150	7xx-096	0	96 x 12 x .508	90	174.50	0.34	----	914.40	482.60	5.16
	7xx-1SB-096	1			180.34	11.38	45.51			7.07
	7xx-2SB-096	2			186.18	18.20	72.81			8.99
200	7xx-128	0	96 x 21 x .610	96	230.89	0.41	----	1016.00	508.00	8.27
	7xx-1SB-128	1			233.43	16.13	64.40			14.05
	7xx-2SB-128	2			235.71	25.79	103.08			19.88
250	7xx-160	0	96 x 25 x .711	98	283.97	0.34	----	1270.00	635.00	10.12
	7xx-1SB-160	1			287.53	15.86	63.29			19.20
	7xx-2SB-160	2			290.83	25.30	101.28			28.28
300	7xx-192	0	96 x 25 x .711	97	334.52	0.21	----	1524.00	762.00	13.42
	7xx-1SB-192	1			338.07	11.10	44.33			22.07
	7xx-2SB-192	2			341.38	17.72	70.95			30.72
350	7xx-224	0	96 x 25 x .711	93	373.38	0.21	----	1778.00	889.00	20.98
	7xx-1SB-224	1			376.94	8.20	32.82			32.29
	7xx-2SB-224	2			380.49	13.10	52.40			43.60

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.