

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. (mm)	Part Number	Braid Layers	Braid Construction	Braid Coverage (%)	Nom. O.D. (mm)	Maximum Pressure @ 21 °C (BAR) ^a		Bend Radius (mm)		Weight per Meter (Kg)
						Working ^b	Nominal Burst	Dynamic	Static	
	7xx-004	0			12.19	12.41	---			0.13
6	7xx-1SB-004	1	24 x 5 x .356	89	14.48	145.89	583.57	127.00	25.40	0.25
	7xx-2SB-004	2			16.26	215.46	861.84			0.39
	7xx-006	0			16.00	6.89	---			0.19
10	7xx-1SB-006	1	24 x 7 x .356	91	17.78	103.49	413.96	139.70	31.75	0.37
	7xx-2SB-006	2			20.57	165.54	662.17			0.54
	7xx-008	0			20.83	5.52	---			0.34
12	7xx-1SB-008	1	24 x 7 x .356	82	22.61	74.12	296.54	152.40	38.10	0.51
	7xx-2SB-008	2			24.38	118.59	474.36			0.68
	7xx-012	0			30.73	4.83	---			0.58
20	7xx-1SB-012	1	36 x 8 x .356	90	32.51	54.61	218.43	203.20	57.15	0.88
	7xx-2SB-012	2			34.29	87.36	349.50			1.18
	7xx-016	0			38.35	2.76	---			0.79
25	7xx-1SB-016	1	36 x 9 x .356	85	40.13	39.37	157.55	228.60	69.85	1.12
	7xx-2SB-016	2			41.91	63.02	251.93			1.46
	7xx-020	0			46.99	1.72	---			1.13
32	7xx-1SB-020	1	48 x 7 x .406	83	49.02	36.61	146.51	266.70	88.90	1.59
	7xx-2SB-020	2			51.31	58.61	234.28			2.04
	7xx-024	0			55.63	1.38	---			1.25
40	7xx-1SB-024	1	48 x 9 x .406	87	57.91	32.54	130.10	304.80	101.60	1.83
	7xx-2SB-024	2			60.20	52.06	208.29			2.43
	7xx-032	0			66.04	1.03	---			1.34
50	7xx-1SB-032	1	48 x 9 x .508	89	69.09	35.58	142.31	381.00	127.00	2.26
	7xx-2SB-032	2			72.14	56.95	227.66			3.18
	7xx-040	0			82.04	0.83	---			1.73
65	7xx-1SB-040	1	72 x 7 x .508	86	84.58	26.68	106.73	508.00	203.20	2.77
	7xx-2SB-040	2			87.12	42.68	170.78			3.81
	7xx-048	0			96.01	0.69	---			1.80
80	7xx-1SB-048	1	72 x 8 x .508	85	98.55	21.79	87.15	558.80	228.60	2.98
	7xx-2SB-048	2			101.09	34.89	139.41			4.17
	7xx-056	0			109.73	0.62	---			2.41
90	7xx-1SB-056	1	72 x 10 x .508	84	113.03	20.48	81.91	609.60	254.00	3.88
	7xx-2SB-056	2			116.33	32.75	131.00			5.36
	7xx-064	0			123.19	0.55	---			2.51
100	7xx-1SB-064	1	72 x 10 x .508	84	126.49	16.00	63.91	685.80	330.20	3.99
	7xx-2SB-064	2			129.54	25.58	102.39			5.48
	7xx-080	0			149.86	0.41	---			3.72
125	7xx-1SB-080	1	72 x 8 x .635	74	153.16	13.17	52.68	787.40	457.20	5.58
	7xx-2SB-080	2			156.21	21.10	84.25			7.44
	7xx-096	0			174.50	0.34	---			5.16
150	7xx-1SB-096	1	96 x 12 x .508	90	180.34	11.38	45.51	914.40	482.60	7.07
	7xx-2SB-096	2			186.18	18.20	72.81			8.99
	7xx-128	0			231.65	0.41	---			8.27
200	7xx-1SB-128	1	96 x (21 x .610)	96	234.19	16.13	64.40	1,016.00	508.00	14.05
	7xx-2SB-128	2			236.47	25.79	103.08			19.88
	7xx-160	0			283.97	0.34	---			10.12
250	7xx-1SB-160	1	96 x (25 x .711)	98	287.53	15.86	63.29	1,270.00	635.00	19.20
	7xx-2SB-160	2			290.83	25.30	101.28			28.28
	7xx-192	0			334.52	0.21	---			13.42
300	7xx-1SB-192	1	96 x (25 x .711)	97	338.07	11.10	44.33	1,524.00	762.00	22.07
	7xx-2SB-192	2			341.38	17.72	70.95			30.72

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.