

776 Series Hastelloy Hose

776 Series is a high-quality industrial hose made from Hastelloy C276 which is among the most corrosion resistant alloys currently available. This annular corrugated hose is commonly used in power generation, steelmaking, chemical manufacturing, and oil & gas.

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	
	776-008	0			20.83	5.52	----			0.37
12	776-1SBX-C276-008	1	24 x 8 x .406	94	22.61	74.12	296.54	127.00	63.50	0.64
	776-2SBX-C276-008	2			24.38	118.59	474.36			0.89
	776-012	0			30.73	4.83	----			0.64
20	776-1SBX-C276-012	1	36 x 8 x .406	95	32.51	54.61	218.43	152.40	76.20	1.03
	776-2SBX-C276-012	2			34.29	87.36	349.50			1.43
	776-016	0			38.35	2.76	----			0.86
25	776-1SBX-C276-016	1	36 x 10 x .406	95	40.13	39.37	157.55	185.42	92.71	1.35
	776-2SBX-C276-016	2			41.91	63.16	252.62			1.85
	776-024	0			55.63	1.38	----			1.37
40	776-1SBX-C276-024	1	48 x 8 x .508	92	57.91	32.54	130.10	218.44	109.22	2.19
	776-2SBX-C276-024	2			60.20	52.06	208.29			3.01
	776-032	0			66.04	1.03	----			1.49
50	776-1SBX-C276-032	1	48 x 10 x .508	93	69.09	35.58	142.31	304.80	152.40	2.49
	776-2SBX-C276-032	2			72.14	56.95	227.66			3.47
	776-048	0			96.01	0.69	----			1.80
80	776-1SBX-C276-048	1	72 x 9 x .508	85	98.55	21.79	87.15	558.80	228.60	3.32
	776-2SBX-C276-048	2			101.09	34.89	139.41			4.85
	776-064	0			123.19	0.55	----			2.51
100	776-1SBX-C276-064	1	72 x 11 x .508	89	126.49	16.00	63.91	685.80	330.20	4.38
	776-2SBX-C276-064	2			129.54	25.58	102.39			6.24
	776-096	0			174.50	0.34	----			5.16
150	776-1SBX-C276-096	1	72 x 10 x .635	79	180.34	11.38	45.51	914.40	482.60	7.81
	776-2SBX-C276-096	2			186.18	18.20	72.81			10.46
	776-128	0			230.89	0.41	----			8.27
200	776-1SBX-C276-128	1	96 x (21 x .610)	96	233.43	16.13	64.40	1,016.00	508.00	14.05
	776-2SBX-C276-128	2			235.71	25.79	103.08			19.88

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.