

# Heavy Duty for Higher Pressure Applications and Longer Resistance to Chemical Corrosion

## Series 800 Stainless Steel Hose

Construction: Annular / Close Pitch  
 Material: Hose: For 321, use 821; For 316L, use 816  
 Braid: For 304, use 1SHB; For 316L, use 1SHB-6; DN150 is braided braid  
 Characteristics: Heavy Weight / Medium Flexibility

Nom. I.D. (mm)	Part Number	Braid Layers	Braid Construction	Braid Coverage (%)	Nom. O.D. (mm)	Maximum Pressure @21°C (BAR) <sup>a</sup>		Centerline Bend Radius (mm)		Weight per M (Kg)
						Working <sup>b</sup>	Nominal Burst	Dynamic	Static	
6	8xx-004	0			12.70	12.41	----			0.13
	8xx-1SHB-004	1	24 x 5 x .356	89	14.48	176.64	706.71	127.00	63.50	0.25
	8xx-2SHB-004	2			16.26	282.62	1130.74			0.39
10	8xx-006	0			17.02	6.89	----			0.19
	8xx-1SHB-006	1	24 x 7 x .356	91	18.80	103.49	413.96	139.70	69.85	0.37
	8xx-2SHB-006	2			20.57	165.54	662.17			0.54
12	8xx-008	0			20.83	5.52	----			0.58
	8xx-1SHB-008	1	24 x 7 x .508	96	23.37	151.27	605.15	203.20	101.60	0.94
	8xx-2SHB-008	2			25.91	242.01	968.02			1.29
20	8xx-012	0			30.73	4.83	----			0.71
	8xx-1SHB-012	1	36 x 6 x .508	92	33.27	90.39	361.56	203.20	101.60	1.18
	8xx-2SHB-012	2			35.81	144.65	578.61			1.64
25	8xx-016	0			38.10	2.76	----			1.18
	8xx-1SHB-016	1	36 x 8 x .508	95	40.64	73.70	294.82	228.60	114.30	1.79
	8xx-2SHB-016	2			43.18	117.90	471.60			2.40
32	8xx-020	0			46.99	2.28	----			1.52
	8xx-1SHB-020	1	48 x 6 x .635	95	50.04	76.53	306.33	254.00	127.00	2.47
	8xx-2SHB-020	2			53.34	122.45	485.39			3.42
40	8xx-024	0			55.12	1.38	----			2.02
	8xx-1SHB-024	1	48 x 7 x .635	95	58.42	59.85	239.39	254.00	127.00	3.14
	8xx-2SHB-024	2			61.72	95.70	382.80			4.26
50	8xx-032	0			63.75	1.03	----			2.38
	8xx-1SHB-032	1	48 x 9 x .635	95	67.06	55.85	223.39	292.10	146.05	3.81
	8xx-2SHB-032	2			70.10	89.36	357.42			5.24
65	8xx-040	0			82.04	0.69	----			2.98
	8xx-1SHB-040	1	72 x 7 x .635	96	85.34	39.85	159.41	609.60	304.80	4.64
	8xx-2SHB-040	2			88.65	63.78	255.11			4.91
80	8xx-048	0			96.01	0.69	----			4.42
	8xx-1SHB-048	1	72 x 9 x .635	88	99.31	37.23	148.93	711.20	355.60	6.58
	8xx-2SHB-048	2			102.36	59.57	238.28			8.74
100	8xx-064	0			122.17	0.55	----			4.61
	8xx-1SHB-064	1	72 x 9 x .635	89	125.22	22.96	91.84	1016.00	508.00	6.77
	8xx-2SHB-064	2			128.27	36.75	147.00			8.93
150	8xx-096	0			174.50	0.34	----			5.73
	8xx-1SHB-096	1	96 x 13 x .635	89	180.34	18.34	73.22	1219.20	609.60	9.60
	8xx-2SHB-096	2			186.18	29.30	117.21			13.47

- 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.