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

Series 800 Stainless Steel Hose

Construction: Annular / Close Pitch

Material: Hose: 316L; Braid: For 304, use 1SHB. For 316L, use 1SHB-6. DN150 and DN200 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)[a]		Minimum Bend Radius (mm)		Weight per Foot (Kg)
						Working[b]	Nominal Burst	Dynamic	Static	
	816-004	0			12.70	12.41	----			0.13
6	816-1SHB-004	1	24 x 5 x .356	89	14.48	176.64	706.71	127.00	63.50	0.25
	816-2SHB-004	2			16.26	282.62	1,130.74			0.39
	816-006	0			17.02	6.89	----			0.19
10	816-1SHB-006	1	24 x 7 x .356	91	18.80	103.49	413.96	139.70	69.85	0.37
	816-2SHB-006	2			20.57	165.54	662.17			0.54
	816-008	0			20.83	5.52	----			0.58
12	816-1SHB-008	1	24 x 7 x .508	96	23.37	151.27	605.15	203.20	101.60	0.94
	816-2SHB-008	2			25.91	242.01	968.02			1.29
	816-012	0			30.73	4.83	----			0.71
20	816-1SHB-012	1	36 x 6 x .508	92	33.27	90.39	361.56	203.20	101.60	1.18
	816-2SHB-012	2			35.81	144.65	578.61			1.64
	816-016	0			38.10	2.76	----			1.18
25	816-1SHB-016	1	36 x 8 x .508	95	40.64	73.70	294.82	228.60	114.30	1.79
	816-2SHB-016	2			43.18	117.90	471.60			2.40
	816-020	0			46.99	2.28	----			1.52
32	816-1SHB-020	1	48 x 6 x .635	95	50.04	76.53	306.33	254.00	127.00	2.47
	816-2SHB-020	2			53.34	122.45	485.39			3.42
	816-024	0			55.12	1.38	----			2.02
40	816-1SHB-024	1	48 x 7 x .635	95	58.42	59.85	239.39	254.00	127.00	3.14
	816-2SHB-024	2			61.72	95.70	382.80			4.26
	816-032	0			63.75	1.03	----			2.38
50	816-1SHB-032	1	48 x 9 x .635	95	67.06	55.85	223.39	292.10	146.05	3.81
	816-2SHB-032	2			70.10	89.36	357.42			5.24
	816-040	0			82.04	0.69	----			2.98
65	816-1SHB-040	1	72 x 7 x .635	96	85.34	39.85	159.41	609.60	304.80	4.64
	816-2SHB-040	2			88.65	63.78	255.11			4.91
	816-048	0			96.01	0.69	----			4.42
80	816-1SHB-048	1	72 x 9 x .635	88	99.31	37.23	148.93	711.20	355.60	6.58
	816-2SHB-048	2			102.36	59.57	238.28			8.74
	816-064	0			122.17	0.55	----			4.61
100	816-1SHB-064	1	72 x 9 x .635	89	125.22	22.96	91.84	1016.00	508.00	6.77
	816-2SHB-064	2			128.27	36.75	147.00			8.93
	816-096	0			174.50	0.34	----			5.73
150	816-1SHB-096	1	96 x (13 x .635)	89	180.34	18.34	73.22	1219.20	609.60	9.60
	816-2SHB-096	2			186.18	29.30	117.21			13.47
	816-128	0			230.89	0.41	----	1600.20	812.80	8.93
200	816-1SB-128	1	96 x (21 x .610)	96	233.43	16.13	64.40	1600.20	812.80	14.88
	C816-2SB-128	2			235.97	31.03	124.11	1168.40	609.60	26.79
	C816-3SB-128	3			238.51	37.92	151.68	1169.40	609.60	32.74

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.

c. For DN200 double and triple braided, use compressed hose.