

# 800 Series Stainless Steel Hose

800 Series annular corrugated hose has a heavier wall thickness and more corrugations than 700 Series. In combination with heavier braid designs, it is ideal for applications where corrosive media is present or where there are particularly robust handling requirements.

Nom. I.D. (in.)	Part Number	Braid Layers	Braid Construction	Braid Coverage (%)	Nom. O.D. (in.)	Maximum Pressure @ 70°F (PSIG) <sup>a</sup>		Bend Radius (in.)		Weight per Foot (Lb.)
						Working <sup>b</sup>	Nominal Burst	Dynamic	Static	
	816-004	0			0.5	180	----			0.09
1/4"	816-1SHB-004	1	24 x 5 x .014	89	0.57	2,562	10,250	5.00	2.50	0.17
	816-2SHB-004	2			0.64	4,099	16,400			0.26
	816-006	0			0.67	100	----			0.13
3/8"	816-1SHB-006	1	24 x 7 x .014	91	0.74	1,501	6,004	5.50	2.75	0.25
	816-2SHB-006	2			0.81	2,401	9,604			0.36
	816-008	0			0.82	80	----			0.39
1/2"	816-1SHB-008	1	24 x 7 x .020	96	0.92	2,194	8,777	8.00	4.00	0.63
	816-2SHB-008	2			1.02	3,510	14,040			0.87
	816-012	0			1.21	70	----			0.48
3/4"	816-1SHB-012	1	36 x 6 x .020	92	1.31	1,311	5,244	8.00	4.00	0.79
	816-2SHB-012	2			1.41	2,098	8,392			1.10
	816-016	0			1.5	40	----			0.79
1"	816-1SHB-016	1	36 x 8 x .020	95	1.6	1,069	4,276	9.00	4.50	1.20
	816-2SHB-016	2			1.7	1,710	6,840			1.61
	816-020	0			1.85	33	----			1.02
1-1/4"	816-1SHB-020	1	48 x 6 x .025	95	1.97	1,110	4,443	10.00	5.00	1.66
	816-2SHB-020	2			2.1	1,776	7,040			2.30
	816-024	0			2.17	20	----			1.36
1-1/2"	816-1SHB-024	1	48 x 7 x .025	95	2.3	868	3,472	10.00	5.00	2.11
	816-2SHB-024	2			2.43	1,388	5,552			2.86
	816-032	0			2.51	15	----			1.60
2"	816-1SHB-032	1	48 x 9 x .025	95	2.64	810	3,240	11.50	5.75	2.56
	816-2SHB-032	2			2.76	1,296	5,184			3.52
	816-040	0			3.23	10	----			2.00
2-1/2"	816-1SHB-040	1	72 x 7 x .025	96	3.36	578	2,312	24.00	12.00	3.12
	816-2SHB-040	2			3.49	925	3,700			3.30
	816-048	0			3.78	10	----			2.97
3"	816-1SHB-048	1	72 x 9 x .025	88	3.91	540	2,160	28.00	14.00	4.42
	816-2SHB-048	2			4.03	864	3,456			5.87
	816-064	0			4.81	8	----			3.1
4"	816-1SHB-064	1	72 x 9 x .025	89	4.93	333	1,332	40.00	20.00	4.55
	816-2SHB-064	2			5.05	533	2,132			6.00
	816-096	0			6.87	5	----			3.85
6"	816-1SHB-096	1	96 x (13 x .025)	89	7.1	266	1,062	48.00	24.00	6.45
	816-2SHB-096	2			7.33	425	1,700			9.05
	FC816-3SHB-096	3			7.56	640	2,560			13.19
8" <sup>c</sup>	816-128	0			9.09	6	----	63.00	32.00	6.00
	816-1SB-128	1	96 x (21 x .024)	96	9.19	234	934	63.00	32.00	10.00
	C816-2SB-128	2			9.29	450	1,800	46.00	24.00	18.00
	C816-3SB-128	3			9.39	550	2,200	46.00	24.00	22.00

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 8" double and triple braided, use compressed hose.

