



1400 Series Metal Hose and Braid Specification Guide

Heavy-Wall Stainless Steel Hose designed for Extreme Pressure applications.

Penflex 1400-series Heavy-Wall Stainless Steel hose is designed for Extreme Pressure industrial applications. Heavy duty braid constructed to sustain highest Working Pressures & provide maximum protection to the inner core. Extra Heavy-Wall of the hose allows for longer service life in wide variety of corrosive environments.

KEY FEATURES:

- ~ Construction: Annular / Close Pitch
- ~ Hose material: 316L SS (other alloys on request)
- ~ Braid: 3 or 4 layers of 304L SS (316L on request)
- ~ Characteristics: Heavy Weight / Reduced Flexibility

Nom. Size (in.)	Part number	Braids	Nom. OD (in.)	Braid Construction	Max. Pressure * @70°F (PSIG)			Min. Bend Radius ** (in.)		Weight per Ft (lb.)
					WORKING	TEST	BURST	Dynamic	Static	
3/4"	1416-3HTSB-012	3	1.65	48 x 4 x .024	5,000	6,000	20,000	15.00	7.50	2.00
1"	1416-3HTSB-016	3	1.92	48 x 5 x .024	4,200	5,040	16,800	16.00	8.00	2.70
1-1/2"	1416-3HTSB-024	3	2.55	48 x 7 x .024	2,750	3,300	11,000	24.00	12.00	4.15
2"	1416-3HTSB-032	3	3.07	48 x 8 x .024	2,180	3,924	8,720	40.00	20.00	5.00
3"	1416-3SHB-048	3	4.22	72 x 9 x .025	1,250	1,500	5,000	84.00	32.00	8.70
4"	1416-4SHB-064	4	5.27	72 x 10 x .024	1,250	1,500	5,000	112.00	52.00	10.48

For 316L Braid specify change part number to -6-XXX

Note: Use of flexible metal hose in high pressure applications should be undertaken only after thorough engineering analysis, prototyping and approval by the end user. It is recommended that every fabricating distributor perform their own testing to verify that their assembly and welding procedures are sufficient to meet the design pressure ratings of the 1400 Series. Minimum bend radius is based on theoretical calculations.

