



P3 Metal Hose and Braid Specification Guide

P3 is the newest generation of Penflex Annular Corrugated Metal Hose. At a competitive price, it is designed for use in a wide range of pressure situations.

P3 is produced with a bright, clean finish and is supplied with a high coverage braid. The braid is designed to sustain high working pressures and provide maximum protection of integrity to the inner core.

The P3 is shipped in long continuous lengths carefully packaged on durable reels for shipment by air, truck, or ocean.

KEY FEATURES:

- ~ Hose material: 321L, 316L SS (other alloys available)
- ~ Braid material: 304L (other alloys available)
- ~ Construction: annular hose with a standard pitch
- ~ Characteristics: lightweight / high flexibility
- ~ High coverage braid

Nom. Size (in.)	Part number	Braids	Nom. OD (in.)	Braid Construction	Max. Pressure @70°F (PSIG)		Braid Coverage (%)	Bend Radius (in.)		Wt/ Ft (lb.)	Reel Qty (ft)
					WORK	BURST		Dyn.	Static		
1/4"	P3-30xx-004	0	0.38	24 x 6 x .010	72	~~~~	97%	3.15	1.10	0.05	500
	P3-H30xx-B30xx-004	1	0.43		2,360	9,440				0.10	
	P3-H30xx-2B30xx-004	2	0.48		2,832	11,328				0.15	
5/16"	P3-30xx-005	0	0.48	24 x 7 x .010	72	~~~~	97%	4.85	1.23	0.05	500
	P3-H30xx-B30xx-005	1	0.53		1,647	6,588				0.12	
	P3-H30xx-2B30xx-005	2	0.58		1,976	7,904				0.19	
3/8"	P3-30xx-006	0	0.56	24 x 7 x .012	72	~~~~	94%	5.08	1.52	0.07	500
	P3-H30xx-B30xx-006	1	0.62		1,639	6,556				0.16	
	P3-H30xx-2B30xx-006	2	0.68		1,967	7,868				0.25	
1/2"	P3-30xx-008	0	0.66	24 x 8 x .012	72	~~~~	95%	5.47	1.75	0.08	500
	P3-H30xx-B30xx-008	1	0.72		1,225	4,900				0.18	
	P3-H30xx-2B30xx-008	2	0.78		1,470	5,880				0.28	
5/8"	P3-30xx-010	0	0.85	36 x 6 x .014	71	~~~~	95%	6.28	2.21	0.12	500
	P3-H30xx-B30xx-010	1	0.92		1,200	4,800				0.27	
	P3-H30xx-2B30xx-010	2	0.99		1,440	5,760				0.42	
3/4"	P3-30xx-012	0	1.05	36 x 8 x .014	43	~~~~	94%	6.58	2.65	0.19	500
	P3-H30xx-B30xx-012	1	1.12		1,034	4,136				0.39	
	P3-H30xx-2B30xx-012	2	1.19		1,241	4,964				0.59	
1"	P3-30xx-016	0	1.27	48 x 7 x .014	43	~~~~	92%	7.50	3.33	0.24	450
	P3-H30xx-B30xx-016	1	1.34		796	3,184				0.48	
	P3-H30xx-2B30xx-016	2	1.41		955	3,820				0.68	
1-1/4"	P3-30xx-020	0	1.62	48 x 9 x .014	43	~~~~	93%	10.20	4.10	0.33	400
	P3-H30xx-B30xx-020	1	1.69		600	2,400				0.66	
	P3-H30xx-2B30xx-020	2	1.76		720	2,880				0.99	
1-1/2"	P3-30xx-024	0	1.95	48 x 9 x .016	28	~~~~	96%	11.75	5.08	0.51	350
	P3-H30xx-B30xx-024	1	2.03		557	2,228				0.91	
	P3-H30xx-2B30xx-024	2	2.11		668	2,672				1.31	
2"	P3-30xx-032	0	2.38	48 x 9 x .020	28	~~~~	94%	12.55	6.27	0.64	225
	P3-H30xx-B30xx-032	1	2.48		570	2,280				1.27	
	P3-H30xx-2B30xx-032	2	2.58		684	2,736				1.90	

* Note: Pressures listed for double-braided hose are actual results of burst tests performed in house. Contact the factory for details.

