

# STAINLESS STEEL CORRUGATED FLEXIBLE HOSE

## PH 2100 MFM

### STRUCTURE

Annular corrugated mechanical formed flexible metal hoses, produced from longitudinally welded tubes with or without braiding

- Characteristics**
- ✓ Light weight
  - ✓ Medium flexibility

**Standards:** EN ISO 10380

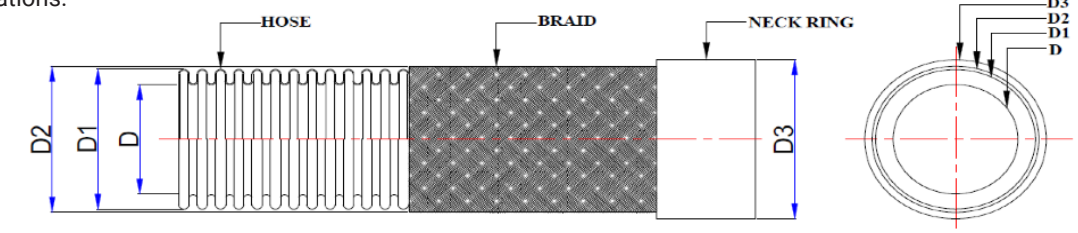
### MATERIAL

**Hose:** Stainless steel AISI 304, AISI 321, and AISI 316L

**Braiding:** Stainless steel AISI 304 and AISI 316L

- Suitable Fitting Types**
- ✓ Threaded end
  - ✓ Flange end
  - ✓ Pipe end

Additional suitable fittings available as per customer specifications. Please contact Polyhose for details on specific lengths.



DN	ITEM CODE	BRAIDS	BRAID CONSTRUCTION (No of Carriers X No of Strands X Wire Diameter)	BRAID	ID	OD	WP (Max) at 70°F	BP (Min) at 70°F	BR/r		WEIGHT						
									COVERAGE	(D)		(D1 & D2)	psi	psi	DYNAMIC	STATIC	WEIGHT PER FOOT
															%	inch	
1/4"	R006MFMX000	0	24 X 4 X 0.012	94	0.248	0.378	72	-	4.331	0.984	0.047						
	R006MFMXR10	1			0.248	0.425	1740	6960				0.097					
	R006MFMXR20	2			0.248	0.472	2610	10440				0.147					
5/16"	R008MFMX000	0	24 X 5 X 0.012	92	0.335	0.476	72	-	5.118	1.26	0.060						
	R025HFHXR10	1			0.335	0.535	1624	6496				0.121					
	R008MFMXR10	2			0.335	0.582	2537	10148				0.181					
3/8"	R032HFHX000	0	24 X 6 X 0.012	92	0.394	0.555	72	-	5.906	1.496	0.067						
	R032HFHXR10	1			0.394	0.618	1407	5628				0.148					
	R008MFMXR20	2			0.394	0.665	2110	8440				0.228					
1/2"	R010MFMX000	0	24 X 7 X 0.012	92	0.476	0.657	65	-	6.496	1.772	0.074						
	R010MFMXR10	1			0.476	0.717	1088	4352				0.168					
	R010MFMXR20	2			0.476	0.763	1632	6528				0.262					
5/8"	R012MFMX000	0	36 X 7 X 0.012	96	0.654	0.862	65	-	7.677	2.283	0.124						
	R012MFMXR10	1			0.654	0.925	870	3480				0.252					
	R012MFMXR20	2			0.654	0.972	1305	5220				0.380					
3/4"	R016MFMX000	0	36 X 9 X 0.012	94	0.795	1.051	43	-	8.858	2.756	0.181						
	R016MFMXR10	1			0.795	1.110	870	3480				0.353					
	R016MFMXR20	2			0.795	1.157	1305	5220				0.524					
1"	R020MFMX000	0	36 X 10 X 0.012	96	0.996	1.272	43	-	10.236	3.346	0.242						
	R020MFMXR10	1			0.996	1.331	725	2900				0.417					
	R020MFMXR20	2			0.996	1.377	1088	4352				0.591					
1 1/4"	R032MFMX000	0	48 X 8 X 0.016	94	1.323	1.622	43	-	11.811	4.134	0.363						
	R032MFMXR10	1			1.323	1.693	667	2668				0.702					
	R032MFMXR20	2			1.323	1.755	1000	4000				1.040					
1 1/2"	R040MFMX000	0	48 X 9 X 0.016	92	1.575	1.949	28	-	13.386	5.118	0.470						
	R040MFMXR10	1			1.575	2.020	609	2436				0.860					
	R040MFMXR20	2			1.575	2.082	914	3656				1.250					
2"	R050MFMX000	0	48 X 10 X 0.016	96	1.984	2.390	28	-	15.354	6.299	0.591						
	R050MFMXR10	1			1.984	2.465	464	1856				1.015					
	R050MFMXR20	2			1.984	2.527	696	2784				1.438					

WP=Working Pressure BP=Burst Pressure Test Pressure is 1.5 times of Working Pressure at 70°F. Please contact the factory for the temperature correction factor. General tolerance is applicable. Information is provided as a guide only. Polyhose reserves the right to alter or amend specifications as necessary.