

VERSION 2.0 | JANUARY 2025



Polyhose[®]

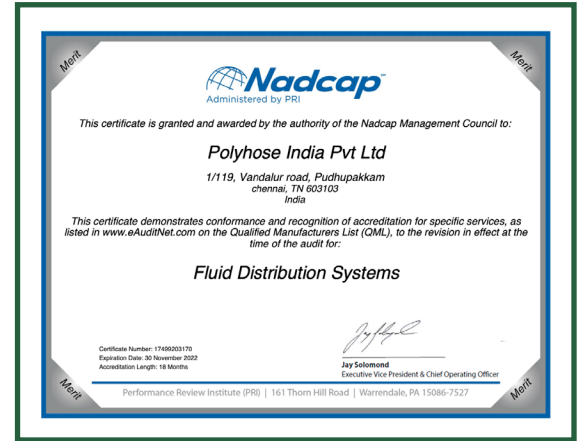
PROVIDING FLEXIBLE SOLUTIONS GLOBALLY

OIL AND GAS FLUID CONVEYANCE SYSTEMS

EFFICIENTLY SERVING

Louisiana ★ Arkansas ★ Texas ★ Oklahoma

Polyhose Incorporated is pleased to provide certifications for our products—with verified approval that each item has been tested to meet required specifications for various industries and uses. Visit polyhose.com/us to view all Polyhose certifications.



TERMS AND CONDITIONS

- TERMS:** Net 30 days.
- PRICES:** All prices are subject to change without notice. Orders will be shipped and invoiced at prices in effect on the date the order is received.
- MINIMUM ORDER:** \$100.00 net.
- FREIGHT:** F.O.B. Houston, Texas.
- RETURNS:** No merchandise accepted for return without prior authorization. Restocking charges of 25% may apply. Returns policy also applies to warranty replacements.
- SERVICE CHARGE:** A 6% service charge will be added to all invoices not paid within terms above and will be applied until invoice is paid.
- WARRANTY:** POLYHOSE EXITFLEX hoses, tips, and accessories are warranted to be free from defects in material and workmanship for a period of one year from date of purchase. This warranty does not extend to damage caused by normal wear relating to abrasion, abuse, negligence, faulty installation, or selection of the improper item for the desired application.
- NOTE:** Additional handling charges may apply on hose lengths over 100 feet.

In 1996, Polyhose India Pvt. Ltd was founded—kickstarting the beginning of a globally successful company. Backed by a small, but extremely passionate, hardworking, and loyal team, Polyhose began its manufacturing journey in the thermoplastic hose industry.



Since the founding of Polyhose, the company has continued to grow in both strength and size—now offering the widest range of flexible fluid conveyance products in the industry. In 2005, Polyhose incorporated a second division in rubber hydraulic manufacturing. Further expansion in 2008 brought the PTFE division to the fast-growing business, and the acquisition of Exitflex SA in 2009 put Polyhose on the global map.

Polyhose continued an upward trend of growth by diversifying its capabilities and manufacturing stainless steel hoses through a joint venture with TOFLE Japan. Both 2017 and 2018 proved to be largely successful years for the company as Polyhose entered the life science market, established an aerospace division, and became NADCAP-certified—allowing them to supply to Boeing and other aircraft manufacturers.

Today, Polyhose continues to innovate and grow just as they have done throughout the lifetime of the company.

LEADING OUR U.S. TEAM



Today, Polyhose continues to innovate and grow just as they have done throughout the lifetime of the company. Led by **Mohammed Millwala**, Polyhose U.S. President, and **Fatema Shabbir**, Vice President of Marketing and HR, Polyhose continues to provide value in an efficient, reliable manner while advancing in the U.S. market.

The company has expanded to be four times its original size, offering more products than ever before—with the same high-quality promise. The U.S. division’s starting group of five employees has grown to a team of thirty-five and continues to increase each year.

In 2020, Polyhose U.S. leaders moved operations from a 10,000-square-foot facility in New Jersey to a brand new, 52,000-square-foot facility in Wilmington, North Carolina—with construction underway to double the space. PTFE operations have expanded to a new location in Los Angeles, CA, with a 3,000-square-foot facility. In 2024, Polyhose opened a 43,000-square-foot facility in Houston, Texas, with a focus on rubber industrial and hydraulic products for use in the oil and gas industry. In addition to warehousing and assembly, Polyhose, Inc. manufactures and stocks accessories and continues to move into new opportunities.

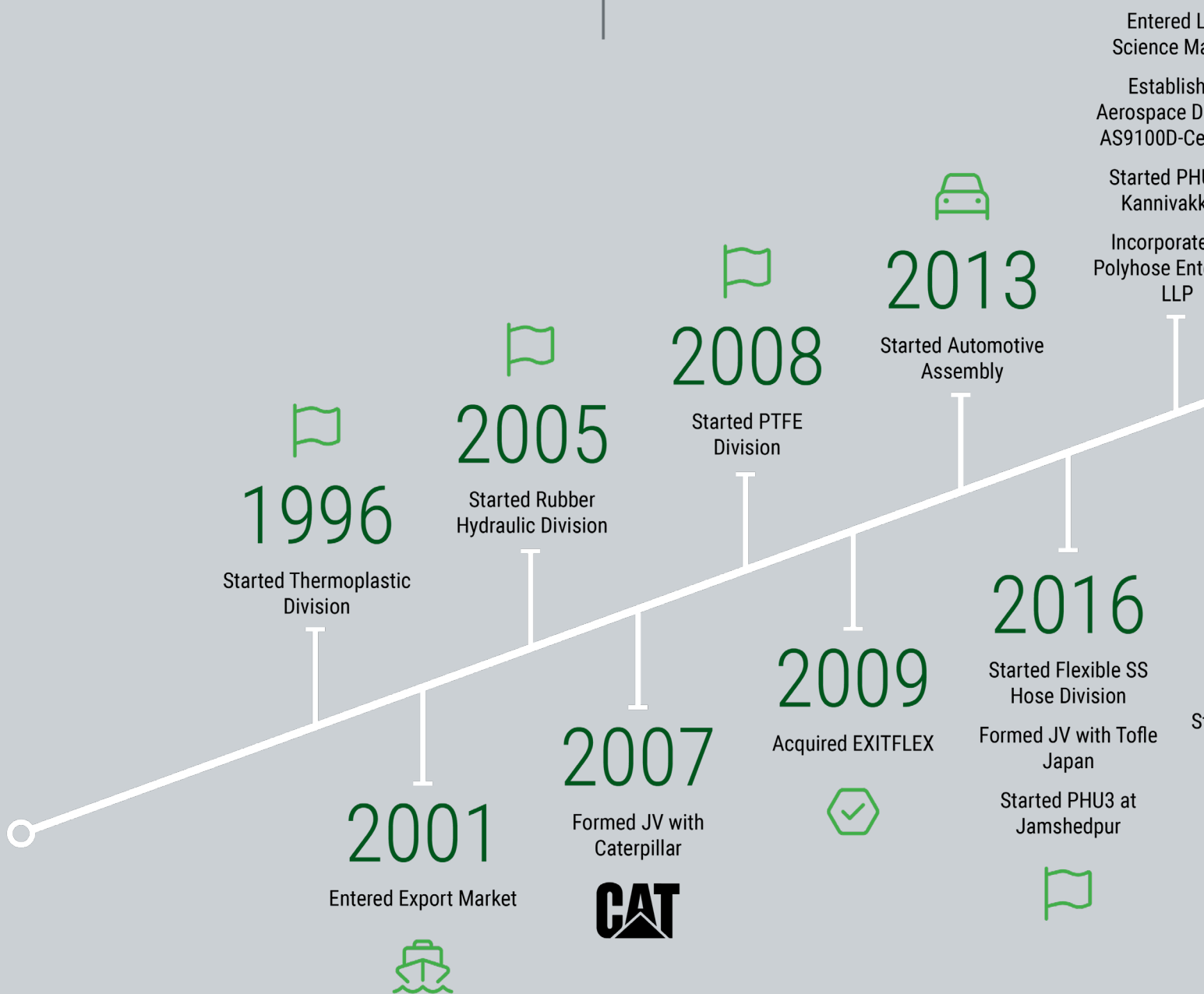
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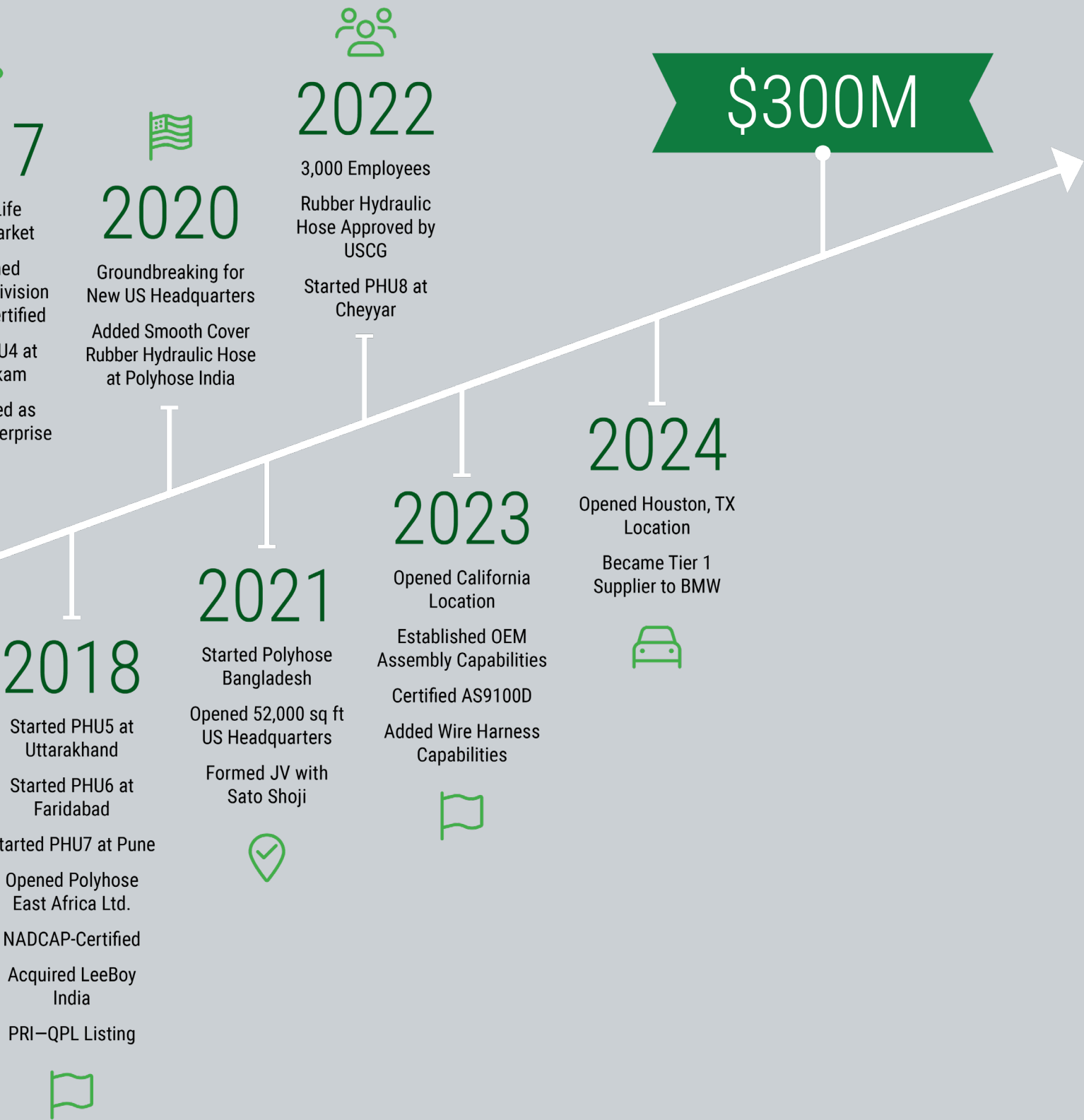
GROWTH SINCE INCEPTION

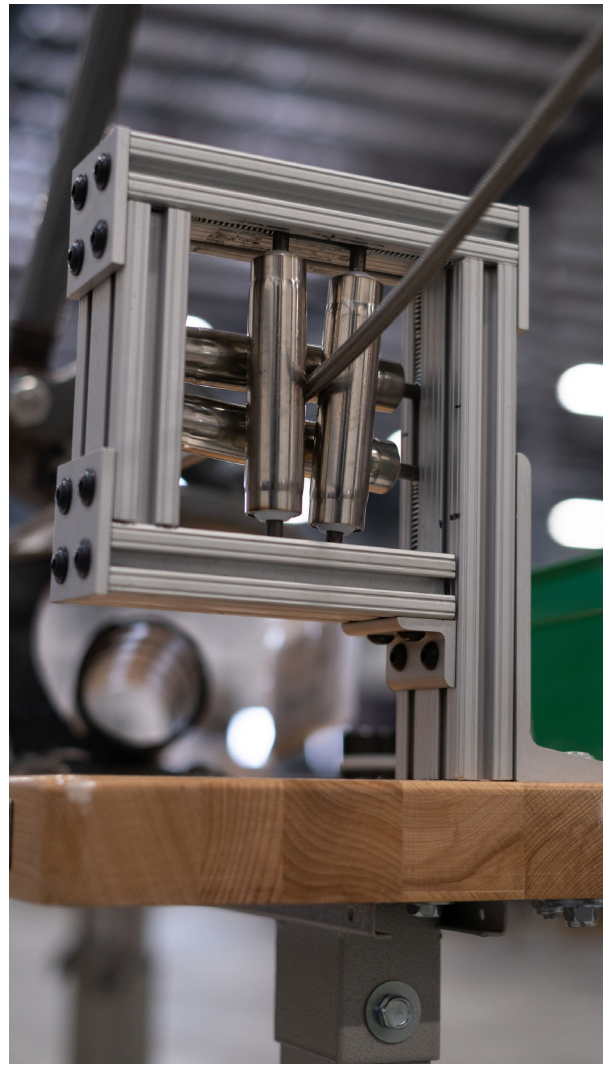
STEADY GROWTH SINCE DAY ONE

For over 25 years, Polyhose has strategically developed its market presence and industry partnerships.

Multiple acquisitions, extensive product development, key joint ventures, and steady global expansion have propelled the company forward in its mission to provide the world's best-performing fluid conveyance systems.









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RUBBER HOSE

PH640C

WATER SUCTION & DISCHARGE HOSE W.P. 10 BAR



CONSTRUCTION

INNER TUBE

Black color, synthetic rubber resistant to water

REINFORCEMENT

Plies of synthetic textile cords with steel helix

COVER

Corrugated black color, synthetic rubber, wrapped type, and abrasion water resistant

APPLICATION

Mandrel built heavy duty suction and discharge hose for handling of water, inert fluid, sewerages, and waste water where optimum flexibility is required

COVER OPTIONS

PH640 : Both inner and outer cover EPDM

ITEM CODE	DASH SIZE	ID		OD		WP		BP		V	WEIGHT
		inch	mm	inch	mm	psi	bar	psi	bar		
PH640C-12	-12	3/4	19.0	1.14	29.0	150	10	435	30	0.90	0.69
PH640C-16	-16	1	25.0	1.38	35.0	150	10	435	30	0.90	0.80
PH640C-20	-20	1.1/4	32.0	1.65	42.0	150	10	435	30	0.90	0.96
PH640C-24	-24	1.1/2	38.0	1.89	48.0	150	10	435	30	0.90	1.11
PH640C-32	-32	2	51.0	2.44	62.0	150	10	435	30	0.90	1.50
PH640C-40	-40	2.1/2	63.0	2.95	75.0	150	10	435	30	0.90	1.96
PH640C-48	-48	3	76.0	3.46	88.0	150	10	435	30	0.90	2.40
PH640C-56	-56	3.1/2	89.0	4.02	102.0	150	10	435	30	0.90	2.90
PH640C-64	-64	4	102.0	4.57	116.0	150	10	435	30	0.90	3.30
PH640C-80	-80	5	127.0	5.55	141.0	150	10	435	30	0.90	5.20
PH640C-96	-96	6	152.0	6.73	171.0	150	10	435	30	0.80	6.70
PH640C-128	-128	8	203.0	8.78	223.0	150	10	435	30	0.70	11.20

Continuous: -25°C to +70°C

PH611C

OIL / FUEL SUCTION & DISCHARGE HOSE W.P. 10 BAR



CONSTRUCTION

INNER TUBE

Black color, synthetic rubber resistant to oil

REINFORCEMENT

Plies of synthetic textile cords with steel helix and two cross antistatic copper wire

COVER

Corrugated, black color, synthetic rubber resistant to oil, ozone, and abrasion

APPLICATION

Mandrel built heavy duty oil suction and discharge hose for handling grades of gasoline or petroleum oils of aromatic content up to 50% from tank trucks, in dispensing stations, and more during winter and summer seasons. Withstands full vacuum.

ITEM CODE	DASH SIZE	ID		OD		WP		BP		V	WEIGHT
		inch	mm	inch	mm	psi	bar	psi	bar		
PH611C-12	-12	3/4	19.0	1.14	29.0	150	10	435	30	0.90	0.60
PH611C-16	-16	1	25.0	1.38	35.0	150	10	435	30	0.90	0.74
PH611C-20	-20	1.1/4	32.0	1.65	42.0	150	10	435	30	0.90	0.90
PH611C-24	-24	1.1/2	38.0	1.89	48.0	150	10	435	30	0.90	1.10
PH611C-32	-32	2	51.0	2.44	62.0	150	10	435	30	0.90	1.40
PH611C-40	-40	2.1/2	63.0	2.95	75.0	150	10	435	30	0.90	2.10
PH611C-48	-48	3	76.0	3.54	90.0	150	10	435	30	0.90	2.70
PH611C-56	-56	3.1/2	89.0	4.09	104.0	150	10	435	30	0.90	3.10
PH611C-64	-64	4	102.0	4.61	117.0	150	10	435	30	0.90	3.80
PH611C-80	-80	5	127.0	5.63	143.0	150	10	435	30	0.90	6.00
PH611C-96	-96	6	152.0	6.61	168.0	150	10	435	30	0.80	7.40
PH611C-128	-128	8	203.0	8.82	224.0	150	10	435	30	0.70	12.20

Continuous: -20°C to +80°C

PH614C

OIL SUCTION & DISCHARGE HOSE W.P. 20 BAR



CONSTRUCTION

INNER TUBE

Black color, synthetic rubber resistant to oil

REINFORCEMENT

Plies of synthetic textile cords with steel helix and two cross anti static copper wires

COVER

Corrugated, black color, synthetic rubber resistant to oil, ozone, and abrasion

APPLICATION

Mandrel built heavy duty oil suction and discharge hose for handling grades of gasoline or petroleum oils of aromatic content up to 50% from tank trucks, in dispensing stations, and more during winter and summer seasons. Withstands full vacuum.

ITEM CODE	DASH SIZE	ID		OD		WP		BP		V	WEIGHT
		inch	mm	inch	mm	psi	bar	psi	bar		
PH614C12	-12	3/4	19.0	1.14	29.0	300	20	870	60	0.90	0.60
PH614C-16	-16	1	25.0	1.38	35.0	300	20	870	60	0.90	0.86
PH614C-20	-20	1.1/4	32.0	1.65	42.0	300	20	870	60	0.90	1.03
PH614C-24	-24	1.1/2	38.0	1.93	49.0	300	20	870	60	0.90	1.20
PH614C-32	-32	2	51.0	2.48	63.0	300	20	870	60	0.90	1.80
PH614C-40	-40	2.1/2	63.0	3.03	77.0	300	20	870	60	0.90	2.40
PH614C-48	-48	3	76.0	3.54	90.0	300	20	870	60	0.90	2.90
PH614C-56	-56	3.1/2	89.0	4.09	104.0	300	20	870	60	0.90	3.60
PH614C-64	-64	4	102.0	4.65	118.0	300	20	870	60	0.90	4.10
PH614C-80	-80	5	127.0	5.63	143.0	300	20	870	60	0.90	6.80
PH614C-96	-96	6	152.0	6.77	172.0	300	20	870	60	0.90	9.00
PH614C-128	-128	8	203.0	8.94	227.0	300	20	870	60	0.90	14.00

Continuous: -20°C to +80°C

PH645C UHMPE CHEMICAL SUCTION & DISCHARGE HOSE



CONSTRUCTION

INNER TUBE

White color, synthetic rubber with transparent UHMPE liner, FDA approved

REINFORCEMENT

Plies of synthetic textile cords with steel helix

COVER

Corrugated, blue color, EPDM rubber resistant to ozone, weather, and abrasion

APPLICATION

Conveying acids and chemical with corrugated finish

ITEM CODE	DASH SIZE	ID		OD		WP		BP		V	WEIGHT
		inch	mm	inch	mm	psi	bar	psi	bar		
PH645C-12	-12	3/4	19.0	1.22	31.0	250	17	750	51	0.9	0.70
PH645C-16	-16	1	25.0	1.46	37.0	250	17	750	51	0.9	1.29
PH645C-20	-20	1.1/4	32.0	1.73	44.0	250	17	750	51	0.9	1.49
PH645C-24	-24	1.1/2	38.0	1.97	50.0	250	17	750	51	0.9	1.90
PH645C-32	-32	2	51.0	2.48	63.0	250	17	750	51	0.9	2.50
PH645C-40	-40	2.1/2	63.0	3.07	78.0	250	17	750	51	0.9	3.20
PH645C-48	-48	3	76.0	3.70	94.0	250	17	750	51	0.9	4.30
PH645C-64	-64	4	102.0	4.72	120.0	250	17	750	51	0.9	4.80

Continuous: -20°C to +120°C

PH680

FRAC OIL / FUEL SUCTION & DISCHARGE HOSE W.P. 27BAR



CONSTRUCTION

CORE

Black color, synthetic rubber resistant to oil

REINFORCEMENT

Plies of synthetic textile cords with steel helix and two cross antistatic copper wires

COVER

Corrugated, black color, synthetic rubber, resistant to oil, ozone, and barasion

APPLICATION

Oil suction and discharge hose for handling gasoline or petrol, oil, amd diesel with 50% aromatic content. Specifically designed for use in FRAC Service.

Polyhose Proprietary Product

CODE	DASH	DN	ID		OD		WP		BP		MBR	
			inch	mm	inch	mm	psi	bar	psi	bar	in	mm
PH680-64	-64	102	4	102.0	4.69	119.0	435	30	1305	90	11.8	300

Continuous: -20°C to +80°C

KELLY HOSE



CONSTRUCTION

INNER TUBE

Black color, synthetic rubber resistant to oil and water

REINFORCEMENT

Four high tensile steel wire spiral (DN19-25)
Six high tensile steel wire spiral (DN31-51)

COVER

Black color, synthetic rubber resistant to abrasion, weather, oil, and ozone

APPLICATION

350 bar super high pressure hydraulic lines and hydrostatic transmission lines. Also suitable for impulse surge lines with more life cycles for use with petroleum, synthetic, or water based fluids in hydraulic systems. Suitable for earthmoving equipment and machineries/systems.

ITEM CODE	DASH SIZE	DN	ID		RI OD		OD		WP		BP		BR/r		WEIGHT
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	in	mm	
PH178-24	-24	38	1.1/2	38.5	2.17	55.1	2.26	57.3	5075	350	20300	1400	19.69	500	5.747
PH178-32	-32	51	2	51.4	2.67	67.7	2.80	71.1	5075	350	20300	1400	25.20	640	7.852

Continuous: -40°C to +121°C



IMPULSE CYCLES

500,000 cycles

COMPATIBLE FITTINGS

2" 1502 Hammer union (366230B5-323200) and 2" - 11.5 API (366230B5-323200)

PROTECTIVE WRAP

Polyhose Twisterflex, Made in USA Spiral Guard is also available. PH368HG-075-065.

SUPER KELLY HOSE



CONSTRUCTION

INNER TUBE

Black color, synthetic rubber resistant to oil and water

COVER

Black color, synthetic rubber resistant to abrasion, weather, oil, and ozone

REINFORCEMENT

Four high tensile steel wire spiral (DN19-25)
Six high tensile steel wire spiral (DN31-51)

APPLICATION

420 bar super high pressure hydraulic lines and hydrostatic transmission lines. Also suitable for impulse surge lines with more life cycles for use with petroleum, synthetic, or water based fluids in hydraulic systems. Suitable for earthmoving equipment and machineries/systems

ITEM CODE	DASH SIZE	DN	ID		RI OD		OD		WP		BP		BR/r		WEIGHT
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	in	mm	
PH279-24	-24	38	1.1/2	38.5	2.17	55.1	2.28	58.0	6090	420	24360	1680	20.87	530	5.747
PH279-32	-32	51	2	51.2	2.68	68.0	2.80	71.2	6090	420	24360	1680	23.62	600	8.217

Continuous: -40°C to +121°C



IMPULSE CYCLES

500,000 cycles

COMPATIBLE FITTINGS

2" 1502 Hammer union (366230B5-323200) and 2" - 11.5 API (366230B5-323200)

PROTECTIVE WRAP

Polyhose Twisterflex, Made in USA Spiral Guard is also available. PH368HG-075-065

PH183 FIRE SHIELD HOSE (BOP HOSE)



CONSTRUCTION

INNER TUBE

Black color, synthetic rubber resistant to oil and water

COVER

Red Color synthetic rubber resistant to fire, abrasion, oil, weather, and ozone

REINFORCEMENT

Four high tensile steel wire spiral (DN 10 - 32)
Six high tensile steel wire spiral (DN 38 - 51)

APPLICATION

Fire Shield Hose is used as a flame preventer in the hydraulic control system with operating pressure 5000 PSI. It meets fire tests as per API 16D spec for 5 minutes at 700°C (tested for more than 10 minutes at 800° C), operated under emergencies.

INNER TUBE

Fiberglass layer applied till 1.1/4" sizewater

ITEM CODE	DASH SIZE	DN	ID		OD		WP		BP		BR/r		WEIGHT kg/m
			inch	mm	inch	mm	psi	bar	psi	bar	in	mm	
PH183-06	-6	10	3/8	9.70	1.02	26.00	5000	345	20000	1380	5.91	150	1.14
PH183-08	-8	12	1/2	13.0	1.18	30.00	5000	345	20000	1380	9.06	230	1.36
PH183-12	-12	19	3/4	19.20	1.46	37.00	5000	345	20000	1380	12.01	305	1.96
PH183-16	-16	25	1	25.90	1.73	44.00	5000	345	20000	1380	14.96	380	2.70
PH183-20	-20	32	1.1/4	32.20	2.28	58.00	5000	345	20000	1380	17.99	457	4.92
PH183-24	-24	38	1.1/2	38.60	2.48	63.00	5000	345	20000	1380	22.05	560	6.03
PH183-32	-32	51	2	51.30	3.01	76.50	5000	345	20000	1380	26.77	680	7.83

Continuous: -40°C to +121°C

PH280 WATER BLAST 30



CONSTRUCTION

INNER TUBE

Black color, synthetic rubber resistant to oil and water

REINFORCEMENT

Four high tensile steel wire spirals

COVER

Black color, synthetic rubber resistant to abrasion, weather, oil, and ozone

APPLICATION

Water blasting, water jetting, and cleaning equipment. Delivery of water and water emulsions

COVER OPTIONS

PH280 : MSHA

ITEM CODE	DASH SIZE	DN	ID		RI OD		OD		WP		BP		BR/r		WEIGHT
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	in	mm	
PH280-04	-04	06	1/4	6.4	0.58	14.7	0.70	17.9	12325	850	30815	2125	5.12	130	0.627
PH280-06	-06	10	3/8	9.5	0.69	17.5	0.83	21.1	12325	850	30815	2125	6.10	155	0.838
PH280-08	-08	12	1/2	12.7	0.84	21.3	0.97	24.6	12325	850	30815	2125	7.87	200	1.184
PH280-12	-12	19	3/4	19.0	1.17	29.8	1.29	32.8	12325	850	30815	2125	9.84	250	2.024
PH280-16	-16	25	1	25.4	1.38	35.1	1.51	38.3	12325	850	30815	2125	11.81	300	2.447

Continuous: -40°C to +90°C

PH281 WATER BLAST 40



CONSTRUCTION

INNER TUBE

Black color, synthetic rubber resistant to oil and water

REINFORCEMENT

Four high tensile steel wire spirals

COVER

Black color, synthetic rubber resistant to abrasion, weather, oil, and ozone

APPLICATION

Water blasting, water jetting, and cleaning equipment. Delivery of water and water emulsions.

COVER OPTIONS

PH281: MSHA

ITEM CODE	DASH SIZE	DN	ID		RI OD		OD		WP		BP		BR/r		WEIGHT
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	in	mm	
PH281-06	-06	10	3/8	9.5	0.70	17.8	0.81	20.6	15950	1100	39875	2750	6.10	155	0.821
PH281-08	-08	12	1/2	12.7	0.91	23.0	1.06	27.0	15950	1100	39875	2750	7.87	200	1.525
PH281-12	-12	19	3/4	19.0	1.13	28.7	1.26	32.0	14500	1000	36250	2500	12.20	310	2.068

Continuous: -40°C to +90°C

Premade assemblies of 1/2" 40k are stocked and available

PH282 WATER BLAST 45



CONSTRUCTION

INNER TUBE

Black color, synthetic rubber resistant to oil and water

REINFORCEMENT

Four high tensile steel wire spirals

COVER

Black color, synthetic rubber resistant to abrasion, weather, oil, and ozone


APPLICATION

Water blasting, water jetting, and cleaning equipment. Delivery of water and water emulsions.

COVER OPTIONS

PH282: MSHA

ITEM CODE	DASH SIZE	DN	ID		RI OD		OD		WP		BP		BR/r		WEIGHT
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	in	mm	
PH282-06	-06	10	3/8	9.5	0.71	18.0	0.81	20.6	18125	1250	45315	3125	6.10	155	0.967
PH282-08	-08	12	1/2	12.7	0.63	23.4	1.14	29.0	18125	1250	45315	3125	9.06	230	2.048

 Continuous: -40°C to +90°C

HYDRAULIC WATER BLAST ASSEMBLY	DESCRIPTION	ID	UOM	LENGTH (FT)	WORKING PRESSURE (PSI)	BURST PRESSURE (PSI)	END FITTINGS
PH280-08-50	1/2in x 50ft 10K w/MP Waterblast assy	1/2"	EA	50	12325	30815	MNPT BOTH ENDS
PH280-12-50	3/4in x 50ft 10K w/MP Waterblast assy	3/4"	EA	50	12325	30815	MNPT BOTH ENDS
PH280-16-50	1in x 50ft 10K w/MP Waterblast assy	1"	EA	50	12325	30815	MNPT BOTH ENDS
PH281-08-25	1/2in x 25ft 16K w/MP Waterblast assy	1/2"	EA	25	15950	39875	MNPT BOTH ENDS
PH281-08-50	1/2in x 50ft 16K w/MP Waterblast assy	1/2"	EA	50	15950	39875	MNPT BOTH ENDS
PH281-08-75	1/2in x 75ft 16K w/MP Waterblast assy	1/2"	EA	75	15950	39875	MNPT BOTH ENDS
PH281-08-100	1/2in x 100ft 16K w/MP Waterblast assy	1/2"	EA	100	15950	39875	MNPT BOTH ENDS
PH281-08-150	1/2in x 150ft 16K w/MP Waterblast assy	1/2"	EA	150	15950	39875	MNPT BOTH ENDS
PH281-12-50	3/4in x 50ft 16K w/MP Waterblast assy	3/4"	EA	50	14500	36250	MNPT BOTH ENDS
PH282-06-50	3/8in x 50ft 18K w/MP Waterblast assy	3/8"	EA	50	18125	45315	MNPT BOTH ENDS



METAL
HOSE

PH2100 MFM SERIES



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

MATERIALS

HOSE

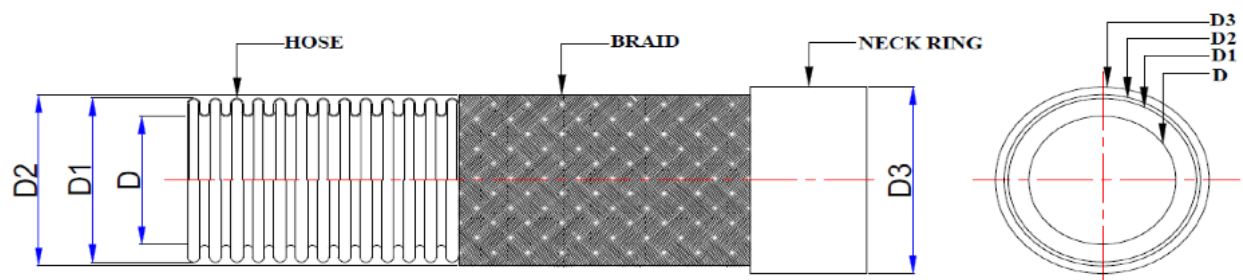
Stainless steel AISI 304, AISI 321, and AISI 316L

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							WEIGHT
				COVERAGE	(D)	(D1 & D2)	WP (Max) at 70°F	BP (Min) at 70°F	DYNAMIC	STATIC	WEIGHT PER FOOT
				%	inch	inch	psi	psi	inch	inch	lbs
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
3/8"	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
1/2"	R032HFHXR000	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
5/8"	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
3/4"	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
1"	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 1/4"	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 1/2"	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.

PH2200 MFH SERIES



STRUCTURE

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

CHARACTERISTICS

- ✓ Medium weight
- ✓ High flexibility

STANDARDS

EN ISO 10380

MATERIALS

HOSE

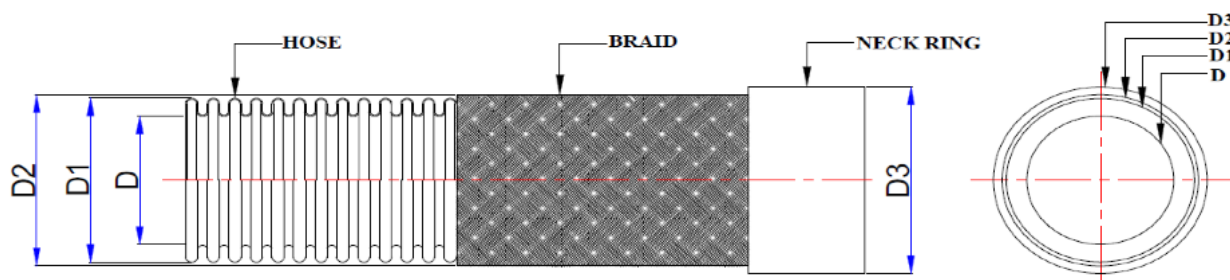
Stainless steel AISI 304, AISI 321, and AISI 316L

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							WEIGHT
				COVERAGE	(D)	(D1 & D2)	WP (Max) at 70°F	BP (Min) at 70°F	DYNAMIC	STATIC	WEIGHT PER FOOT
				%	inch	inch	psi	psi	inch	inch	lbs
1/4"	R006MFHX000	0	24 X 6 X 0.010	95	0.248	0.378	72	-	3.031	0.984	0.076
	R006MFHXR10	1			0.248	0.425	1740	6960			0.126
	R006MFHXR20	2			0.248	0.464	2610	10440			0.176
5/16"	R008MFHX000	0	24 X 7 X 0.010	92	0.335	0.476	72	-	3.583	1.260	0.098
	R008MFHXR10	1			0.335	0.535	1624	6496			0.155
	R008MFHXR20	2			0.335	0.574	2537	10148			0.211
3/8"	R010MFHX000	0	24 X 7 X 0.012	93	0.394	0.555	72	-	4.134	1.496	0.106
	R010MFHXR10	1			0.394	0.618	1407	5628			0.197
	R010MFHXR20	2			0.394	0.665	2110	8440			0.288
1/2"	R012MFHX000	0	24 X 8 X 0.012	92	0.476	0.657	65	-	4.567	1.772	0.113
	R012MFHXR10	1			0.476	0.717	1088	4352			0.221
	R012MFHXR20	2			0.476	0.763	1632	6528			0.329
5/8"	R016MFHX000	0	36 X 8 X 0.014	93	0.654	0.862	65	-	5.354	2.283	0.202
	R016MFHXR10	1			0.654	0.925	870	3480			0.347
	R016MFHXR20	2			0.654	0.980	1305	5220			0.492
3/4"	R020MFHX000	0	36 X 8 X 0.014	96	0.795	1.051	43	-	6.22	2.756	0.296
	R020MFHXR10	1			0.795	1.110	870	3480			0.491
	R020MFHXR20	2			0.795	1.165	1305	5220			0.685
1"	R025MFHX000	0	48 X 7 X 0.014	95	0.996	1.272	43	-	7.165	3.346	0.394
	R025MFHXR10	1			0.996	1.331	725	2900			0.616
	R025MFHXR20	2			0.996	1.385	1088	4352			0.838
1 1/4"	R032MFHX000	0	48 X 9 X 0.014	95	1.323	1.622	43	-	8.268	4.134	0.508
	R032MFHXR10	1			1.323	1.693	667	2668			0.794
	R032MFHXR20	2			1.323	1.748	1000	4000			1.097
1 1/2"	R040MFHX000	0	48 X 9 X 0.016	94	1.575	1.949	28	-	9.37	5.118	0.659
	R040MFHXR10	1			1.575	2.020	609	2436			1.035
	R040MFHXR20	2			1.575	2.082	914	3656			1.425
2"	R050MFHX000	0	48 X 9 X 0.016	94	1.984	2.390	28	-	10.748	6.299	0.828
	R050MFHXR10	1			1.984	2.465	464	1856			1.431
	R050MFHXR20	2			1.984	2.527	696	2784			2.033
2 1/2"	R080MFHX000	0	72 X 8 X 0.020	95	2.472	3.004	15	-	18.11	7.874	0.813
	R080MFHXR10	1			2.472	3.106	435	1740			1.478
	R080MFHXR20	2			2.472	3.185	653	2612			2.144
3"	R080MFHX000	0	72 X 10 X 0.020	93	3.098	3.720	15	-	25.984	9.449	1.270
	R080MFHXR10	1			3.098	3.823	363	1452			2.023
	R080MFHXR20	2			3.098	3.901	544	2176			2.775
4"	R080MFHX000	0	72 X 10 X 0.020	88	3.850	4.496	15	-	29.528	11.417	1.747
	R080MFHXR10	1			3.850	4.594	276	1104			2.688
	R080MFHXR20	2			3.850	4.673	413	1652			3.629

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.

PH2300 HFH SERIES



STRUCTURE

Annular corrugated hydroformed flexible metal hose, produced from longitudinally welded tubes with or without braiding

CHARACTERISTICS

- ✓ Heavy weight
- ✓ Flexible hose

STANDARDS

EN ISO 10380

MATERIALS

HOSE

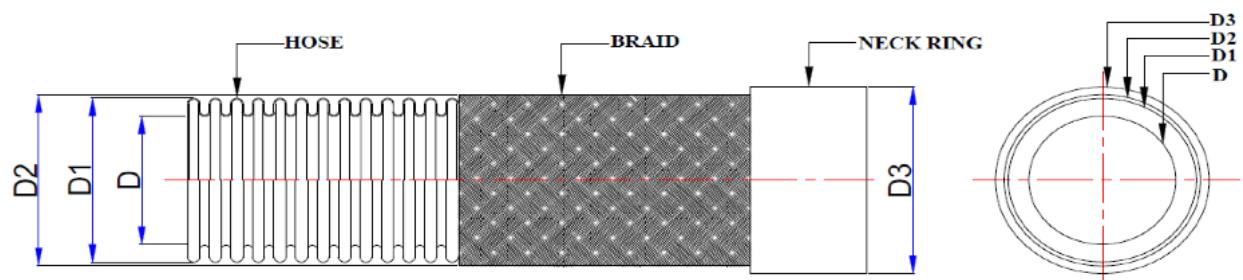
Stainless steel AISI 304, AISI 321, and AISI 316L

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							WEIGHT
				COVERAGE	(D)	(D1 & D2)	WP (Max) at 70°F	BP (Min) at 70°F	DYNAMIC	STATIC	WEIGHT PER FOOT
				%	inch	inch	psi	psi	inch	inch	lbs
3/4"	R020HFHX000	0	36 X 8 X 0.016	95	0.787	1.220	70	-	8.858	2.756	0.316
	R020HFHXR10	1			0.787	1.283	943	3772			0.531
	R020HFHXR20	2			0.787	1.346	1414	5656			0.746
1"	R025HFHX000	0	36 X 9 X 0.016	92	0.976	1.437	40	-	10.236	3.346	0.443
	R025HFHXR10	1			0.976	1.500	754	3016			0.724
	R025HFHXR20	2			0.976	1.562	1131	4524			1.004
1 1/4"	R032HFHX000	0	48 X 10 X 0.016	95	1.244	1.772	25	-	11.811	4.134	0.627
	R032HFHXR10	1			1.244	1.835	609	2436			1.001
	R032HFHXR20	2			1.244	1.897	914	3656			1.374
1 1/2"	R040HFHX000	0	48 X 11 X 0.016	95	1.587	2.165	20	-	13.386	5.118	0.759
	R040HFHXR10	1			1.587	2.228	551	2204			1.216
	R040HFHXR20	2			1.587	2.291	827	3306			1.673
2"	R050HFHX000	0	48 X 10 X 0.020	95	1.949	2.559	15	-	15.354	6.299	0.981
	R050HFHXR10	1			1.949	2.638	537	2148			1.652
	R050HFHXR20	2			1.949	2.716	806	3222			2.324
2 1/2"	R065HFHX000	0	72 X 9 X 0.020	96	2.551	3.268	12	-	18.11	7.874	1.149
	R065HFHXR10	1			2.551	3.346	493	1972			2.023
	R065HFHXR20	2			2.551	3.425	740	2958			2.896
3"	R080HFHX000	0	72 X 9 X 0.024	96	3.142	3.839	10	-	25.984	9.449	1.364
	R080HFHXR10	1			3.142	3.937	392	1568			2.627
	R080HFHXR20	2			3.142	4.031	588	2352			3.891
4"	R100HFHX000	0	72 X 11 X 0.024	96	3.929	4.724	8	-	29.528	11.417	1.935
	R100HFHXR10	1			3.929	4.823	290	1160			3.434
	R100HFHXR20	2			3.929	4.917	435	1740			4.932
5"	R125HFHX000	0	72 X 11 X 0.028	93	5.118	6.063	6	-	39.370	13.78	2.419
	R125HFHXR10	1			5.118	6.201	232	928			4.516
	R125HFHXR20	2			5.118	6.311	348	1392			6.612
6"	R150HFHX000	0	72 X 11 X 0.028	90	6.063	7.106	5	-	49.213	15.748	3.830
	R150HFHXR10	1			6.063	7.185	174	696			6.115
	R150HFHXR20	2			6.063	7.314	261	1044			8.400
8"	R200HFHX000	0	96 X 9 X 0.028	90	8.031	9.189	5	-	62.992	20.472	5.645
	R200HFHXR10	1			8.031	9.291	131	524			8.366
	R200HFHXR20	2			8.031	9.440	197	786			11.087
10"	R250HFHX000	0	96 X 12 X 0.028	90	10.000	11.181	3	-	78.740	24.409	7.053
	R250HFHXR10	1			10.000	11.220	102	408			10.853
	R250HFHXR20	2			10.000	11.409	153	612			14.653

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.

POLYHOSE TOEFL - PH2100 SERIES				
SIZE	PART NUMBER	BRAID	HOSE	STUB END AND FITTING CONFIGURATION
3/4" x 25	A020-G2R-762-MT03-MT03-S16	SS304	SS316	MNPT x MNPT
3/4" x 50	A020-G2R-1525-MT03-MT03-S16	SS304	SS316	MNPT x MNPT
2" x 25'	A020-G2R-762-MT03-MT03-S16	SS304	SS316	MNPT x MNPT
2"x 20'	A050-G2R-0610-SF01-FF01-S16	SS304	SS316	(Fixed x Floating / Fixed x Floating)
3"x 20'	A080-G2R-0610-SF01-FF01-S16	SS304	SS316	(Fixed x Floating / Fixed x Floating)
4"x 10'	A100-G2R-0305-SF01-FF01-S16	SS304	SS316	(Fixed x Floating / Fixed x Floating)
4"x 20'	A100-G2R-0610-SF01-FF01-S16	SS304	SS316	(Fixed x Floating / Fixed x Floating)
6"x 10'	A150-G2R-0305-SF01-FF01-S16	SS304	SS316	(Fixed x Floating / Fixed x Floating)
6"x 20'	A150-G2R-0610-SF01-FF01-S16	SS304	SS316	(Fixed x Floating / Fixed x Floating)
8"x 20'	A200-G2R-0610-SF01-FF01-S16	SS304	SS316	(Fixed x Floating / Fixed x Floating)
10"x 20'	A250-G2R-0610-SF01-FF01-S16	SS304	SS316	(Fixed x Floating / Fixed x Floating)
12"x 20'	A300-G2R-0610-SF01-FF01-S16	SS304	SS316	(Fixed x Floating / Fixed x Floating)

STUB END MATERIAL

SS316

FITTING MATERIAL

SS316

QTY / TROLLEYS	
SIZE & LENGTH	NOS
1"-20FT	150
2" -20FT	77
3"-20FT	60
4"-20FT	45
6"-20FT	28
8"-20FT	18
10"-20FT	10
12"-20FT	8





ACCESSORIES

TECTRA
1/4" 11.507" x 1.65"
3/8" 11.257" x 1.00"
1/2" 12.257" x .65"
BLK
#14

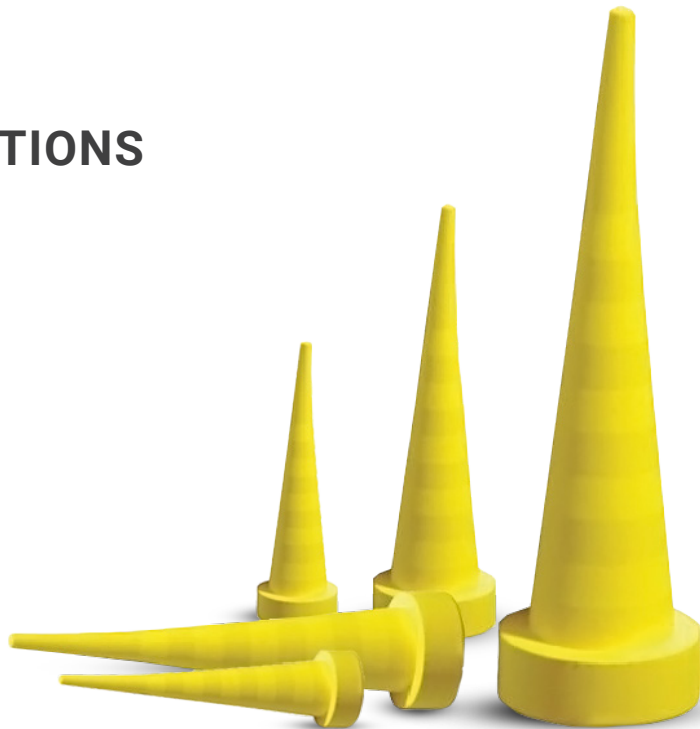
INDUSTRIES AND APPLICATIONS

Only for use in non-pressurized systems.

- ✓ Hydraulic system repairs and maintenance
- ✓ Offshore operations
- ✓ Vehicles utilizing hydraulic systems
 - Forestry vehicles
 - Military vehicles
 - Construction vehicles
- ✓ Maintenance of fluid-carrying lines

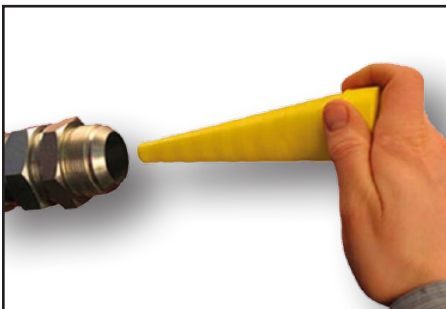
TEMPERATURE RANGE

-25°C to +90°C



INSTALLATION

STEP 1: INSERT



STEP 2: PUSH



STEP 3: PUSH AND TWIST



PART NUMBER	DESCRIPTION	SIZE RANGE (mm)	SIZE RANGE (in)	QUANTITY PACK	COLOR
PHSPLPLGNITMICYL	Micro	1 – 13	3/64 – 1/2	20	Yellow
PHSPLPLGNITMEDYL	Medium	8 – 26	5/16 – 1	10	Yellow
PHSPLPLGNITLARYL	Large	12 – 38	1/2 – 1 1/2	4	Yellow
PHSPLPLGNITMIXYL	Mixed Pack: 4 Micro, 4 Medium, 2 Large	1 – 38	3/64 – 1 1/2	10	Yellow

MATERIAL

Nylon 6.6*
 Tested and qualified for abrasion resistance
 ✓ ISO 6945
 ✓ RoHS and MSHA approved.
 *Specific material available upon request



COLOR TEMPERATURE RANGE

Black -58°F – 257°F



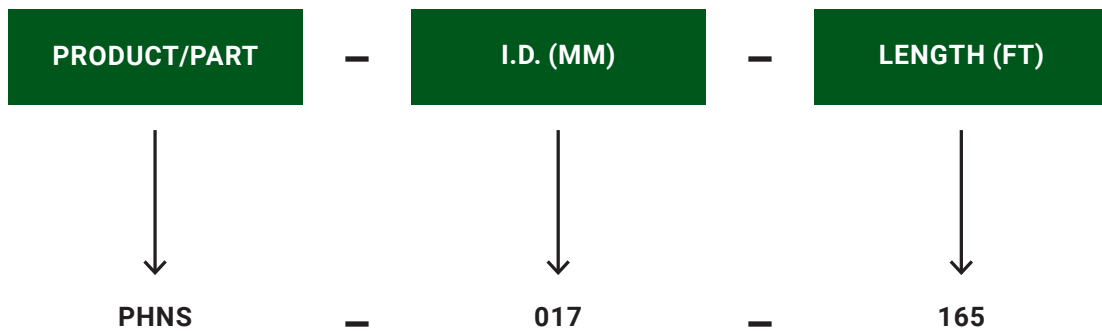
APPLICATION

- ✓ Increases operator efficiency by 50% with innovative packaging
- ✓ Streamlines staging, pulling, and cutting
- ✓ Decreases handling and staging time
- ✓ Increases containment and protection from dust by 90% compared to other products in the market
- ✓ Clearly indicates size and lengths on packaging

	 I.D.	 I.D.	THICKNESS	FLAT WIDTH	DISPENSER BOX QTY	OUTER BOX QTY	# OF BOXES OUTER BOX
PRODUCT CODE	INCHES	MM	MM	INCHES	FEET	FEET	-
PHNS - 017 - 165	0.68	12	0.8	0.047	165	1155	7
PHNS - 020 - 165	0.79	20	0.8	0.056	165	1155	7
PHNS - 023 - 165	0.91	23	0.8	0.062	165	1155	7
PHNS - 025 - 165	0.98	25	0.8	0.067	165	1155	7
PHNS - 027 - 165	1.06	27	0.8	0.070	165	1155	7
PHNS - 031 - 165	1.22	31	0.8	0.081	165	1155	7
PHNS - 033 - 165	0.00	33	0.8	0.085	165	1155	7
PHNS - 036 - 165	1.42	36	0.8	0.093	165	825	5
PHNS - 040 - 165	1.57	40	0.8	0.102	165	825	5
PHNS - 044 - 165	1.73	44	0.8	0.115	165	825	5
PHNS - 047 - 165	1.85	47	0.8	0.119	165	825	5
PHNS - 053 - 165	2.09	53	0.8	0.133	165	660	4
PHNS - 055 - 165	2.19	55	0.8	0.140	165	660	4
PHNS - 060 - 165	2.38	60	0.8	0.152	165	660	4
PHNS - 066 - 165	2.62	66	0.8	0.164	165	495	3
PHNS - 073 - 165	2.88	73	0.8	0.183	165	495	3
PHNS - 078 - 165	3.15	78	0.8	0.195	165	495	3
PHNS - 085 - 165	3.35	85	0.8	0.211	165	495	3
PHNS - 093 - 165	3.66	93	0.8	0.233	165	165	1
PHNS - 112 - 165	4.41	112	0.8	0.276	165	165	1



Please refer to this guide for information on Polyhose part numbers shown on packing lists, sales orders, and other relevant documents.





TEMPERATURE RANGE

-40°F – 240°F

APPLICATION

Protects hose assemblies against abrasion

MATERIAL

- ✓ Virgin high density polyethylene
- ✓ Rounded edges for safe handling
- ✓ 90% virgin material for a shiny, clean, and durable product

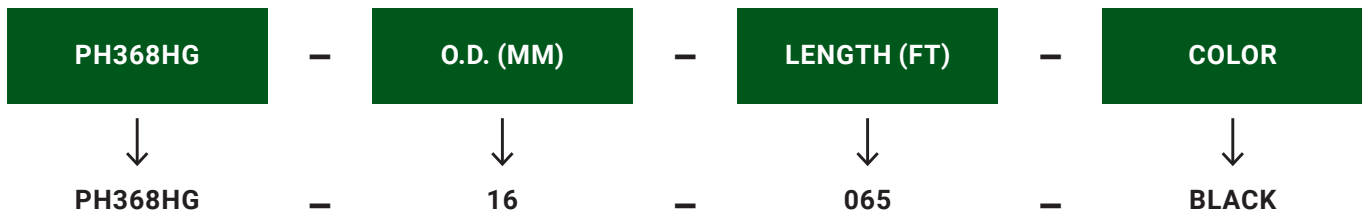
PRODUCT CODE	 I.D.	 I.D.	 I.D.	WALL THICKNESS	BOX QUANTITIES
	INCHES	MM	MM	INCHES	FEET
PH368HG12	0.39	12	0.47	0.059	165
PH368HG16	0.51	16	0.63	0.063	65, 100, or 165
PH368HG20	0.67	20	0.79	0.075	65, 100, or 165
PH368HG25	0.83	25	0.98	0.079	65, 100, or 165
PH368HG32	1.06	32	1.26	0.091	65, 100, or 165
PH368HG40	1.38	40	1.57	0.106	65, 100, or 165
PH368HG50	1.77	50	1.97	0.118	65
PH368HG63	2.28	63	2.48	0.138	65
PH368HG75	2.72	75	2.95	0.150	65
PH368HG90	3.23	90	3.54	0.197	65
PH368HG110	3.94	110	4.33	0.217	40
PH368HG125	4.57	125	4.92	0.236	40
PH368HG140	-	140	5.51	-	30

PART NUMBERING SCHEMES



PROPERTY	UNIT	RESULT	TESTING METHOD
MELT FLOW RATE @ 5.79LBS @ 374°F	G/10MIN	0.03	ASTM D1238
MELT FLOW RATE @ 5.79LBS @ 374°F	G/10MIN	6	ASTM D1238
DENSITY @ 73.4°F	LB/GL	9.64	ASTM D1505
TENSILE STRENGTH @ YIELD	PSI	3271	ASTM D638
TENSILE STRENGTH @ BREAK	PSI	5120	ASTM D638
ELONGATION @ BREAK	%	780	ASTM D638
STIFFNESS (OLSEN)	PSI	120898	ASTM D747
IZOD IMPACT STRENGTH (WITH NOTCH)	FPF	621.9	ASTM D256
MRS	PSI	1450	ISO/TR 9080
CLASSIFICATION	-	PE100	ISO 12162
ESCR (F50)	HOURS	>2000	ASTM D1693

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CONNECT WITH US

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🏢 Polyhose Incorporated

Polyhose®

Providing Flexible Solutions Globally