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HYDRAULIC HOSES CATALOG



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2nd Industrial City

INNOVATIVE & RELIABLE

Delivering high-quality hydraulic hose solutions from Polyhose designed for durability, flexibility, and dependable performance across industrial and hydraulic applications.

ABOUT OUR COMPANY

A BRIEF STORY ABOUT THE COMPANY

Simple Solutions for Industry is a leader in the manufacture and support of performance-critical rigid and flexible engineered solutions for transfer of fluids and gases in extreme environments. Simple Solutions engineers and manufactures high-quality hose and hose assemblies: offering a high standard of expertise since many years of engineering design and application knowledge.

POWERING INDUSTRIAL PERFORMANCE WITH TRUSTED HYDRAULIC HOSE SOLUTIONS.



CONTENTS

- Rubber Hoses
- Single - Wire Braided Hoses
- Double - Wire Braided Hoses
- Spiral Hoses
- Thermoplastic Hoses
- Single and Twin - Line Thermoplastic Hoses

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH253 - R1AT/ 1SN

Applicable Standard: SAE J517 - 100R1AT / EN 853-1SN / ISO 1436

Cover options	Temperature usage option
PH253 : MSHA	PH553 : Low temperature -55°C to + 100°C
PH248 : HARDX MSHA	PH255 : High temperature MSHA cover -40°C to +135°C
PH298 : ABRAZONX MSHA	PH291 : Ultra high temperature MSHA cover -40°C to +150°C
Note : Sizes 2-1/2" to 4" are not covered under SAE J517-100R1AT/EN 853-1SN	



Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH253-03	-03	05	3/16	5.1	0.45	11.5	3625	250	14500	1000	3.5	90	0.205
PH253-04	-04	06	1/4	6.7	0.52	13.1	3265	225	13050	900	3.9	100	0.262
PH253-05	-05	08	5/16	8.2	0.68	14.7	3120	215	12470	860	4.5	115	0.283
PH253-06	-06	10	3/8	9.8	0.67	17.1	2610	180	10440	720	4.9	125	0.383
PH253-08	-08	12	1/2	13.1	0.80	20.2	2320	160	9280	640	7.1	180	0.438
PH253-10	-10	16	5/8	16.2	0.92	23.3	1885	130	7540	520	7.9	200	0.536
PH253-12	-12	19	3/4	19.3	1.07	27.3	1525	105	6090	420	9.4	240	0.675
PH253-16	-16	25	1	25.9	1.39	35.3	1305	90	5150	355	11.8	300	1.008
PH253-20	-20	31	1.1/4	32.4	1.69	43.0	945	65	3700	255	16.5	420	1.443
PH253-24	-24	38	1.1/2	38.7	1.97	50.1	725	50	2900	200	19.7	500	1.735
PH253-32	-32	51	2	51.3	2.50	63.4	580	40	2320	160	24.8	630	2.352
PH253-40	-40	63	2.1/2	63.5	2.99	76.0	580	40	2105	145	29.9	760	2.640
PH253-48	-48	76	3	76.2	3.56	90.5	510	35	2030	140	35.4	900	3.798
PH253-64	-64	100	4	101.6	4.61	117.0	145	10	580	40	46.1	1170	4.928

Temperature Range: Continuous: -40°C to +100°C Intermittent: +120°C
Impulse Cycles: 150,000; Tested upto 300,000 cycles, upto 1" I.D

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Single Steel Wire Braid

Cover: Black Color, Synthetic Rubber Resistant To Abrasion And Weather, Oil & Ozone. Available in Wrap And Smooth Finish

Application: Medium Pressure Hydraulic Lines 10 to 250 bar. For use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agriculture, Earthmoving & Material handling equipment and machineries/systems

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH243 - 1ST

Applicable Standard: EN 853 -1ST



Cover options
PH243 : MSHA
PH208 : HARDX MSHA

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH243-32	-32	51	2	51	2.64	67.0	580	40	2320	160	24.8	630	2.801
PH243-48	-48	76	3	76	3.62	92.0	510	35	2030	140	35.4	900	3.936

Temperature Range: Continuous: -40°C to +100°C Intermittent : +120°C

*Smooth cover available only upto size 1"

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Single Steel Wire Braid

Cover: Black Color, Synthetic Rubber Resistant To Abrasion And Weather, Oil & Ozone. Available in Wrap And Smooth Finish

Application: Medium Pressure Hydraulic Lines 35 to 40 bar. For use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agriculture, Earthmoving & Material handling equipment and machineries/systems

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH257 - 1SC

Applicable Standard: EN 857 - 1SC / ISO 11237 - 1

Cover options	Temperature usage option
PH257 : MSHA	PH557 : Low temperature -55°C to +100°C
	PH267 : High temperature MSHA cover -40°C to +135°C
	PH269 : Ultra high temperature MSHA cover -40°C to +10°+150°C

Note : 1.1/4" 1SC not covered under EN857



Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH257-04	-04	06	1/4	6.7	0.51	13.0	3265	225	13050	900	2.0	50	0.216
PH257-05	-05	08	5/16	8.2	0.56	14.1	3120	215	12470	860	2.2	55	0.242
PH257-06	-06	10	3/8	9.8	0.64	16.3	2610	180	10440	720	2.4	60	0.308
PH257-08	-08	12	1/2	13.1	0.79	20.1	2320	160	9280	640	2.8	70	0.442
PH257-10	-10	16	5/8	16.2	0.89	22.5	1885	130	7540	520	3.5	90	0.481
PH257-12	-12	19	3/4	19.3	1.03	26.2	1525	105	6090	420	3.8	97	0.596
PH257-16	-16	25	1	25.9	1.35	34.2	1305	90	5150	355	5.9	150	0.885
PH257-20	-20	31	1.1/4	32.1	1.65	42.0	1090	75	4350	300	11.8	300	1.087

Temperature Range: Continuous: -40°C to +100°C Intermittent: +120°C
Impulse Cycles : 150,000; Tested upto 300,000 cycles, upto 1" I.D

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Single Steel Wire Braid

Cover: Black Color, Synthetic Rubber Resistant To Abrasion And Weather, Oil & Ozone. Available in Wrap And Smooth Finish

Application: Medium Pressure Hydraulic Lines 75 to 225 bar requiring compact outer dia and high flexibility for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural, Construction & Material handling equipment and machineries/systems

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RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH296- 1SNX -HP **Applicable Standard:** Exceeds EN 857

Cover options	Temperature usage option
PH296 : MSHA	PH237 : High temperature MSHA cover -40°C to +135°C
PH206 : ABRAZONX MSHA	



Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH296-04	-04	06	1/4	6.7	0.47	12.0	4205	290	16820	1160	1.6	40	0.186
PH296-05	-05	08	5/16	8.2	0.55	14.0	3625	250	14500	1000	2.2	55	0.235
PH296-06	-06	10	3/8	9.8	0.63	16.0	3335	230	13340	920	2.6	65	0.295
PH296-08	-08	12	1/2	13.1	0.75	19.0	2900	200	11600	800	3.1	80	0.377
PH296-10	-10	16	5/8	16.2	0.87	22.0	2175	150	8700	600	4.1	105	0.454
PH296-12	-12	19	3/4	19.3	1.02	26.0	1815	125	7250	500	4.7	120	0.582
PH296-16	16	25	1	25.9	1.30	33.0	1595	110	6380	440	6.3	160	0.804
PH296-20	-20	31	1.1/4	32.0	1.73	44.0	1450	100	5800	400	11.8	300	1.516

Temperature Range: Continuous: -40°C to +100°C Intermittent : +120°C

Impulse Cycles: 150,000 cycles

***Smooth cover available only upto size 1"**

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Single Steel Wire Braid

Cover: Black Color, Synthetic Rubber Resistant To Abrasion And Weather, Oil & Ozone. Available in Wrap And Smooth Finish

Application: Medium Pressure Hydraulic Lines 110 to 290 bar requiring compact outer dia and high flexibility for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural, Construction & Material handling equipment and machineries/systems

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RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH254 -R2AT / 2SN **Applicable Standard:** SAE J517 - 100R2AT / EN 853 -2SN / ISO 1436



Cover options	Temperature usage option
PH254 : MSHA	PH554 : Low temperature -55°C to + 100°C
PH249 : HARDX MSHA	PH256 : High temperature MSHA cover -40°C to +135°C
PH299 : ABRAZONX MSHA	PH292 : Ultra high temperature MSHA cover -40°C to +150°C
Note : Sizes 3" to 4" are not covered under SAE J517-100R1AT/EN 853-2SN	

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH254-03	-03	05	3/16	5.1	0.52	13.1	6020	415	24070	1660	3.5	90	0.319
PH254-04	-04	06	1/4	6.7	0.58	14.7	5800	400	23200	1600	3.9	100	0.386
PH254-05	-05	08	5/16	8.2	0.64	16.3	5075	350	20300	1400	4.5	115	0.458
PH254-06	-06	10	3/8	9.8	0.74	18.7	4785	330	19140	1320	4.9	125	0.590
PH254-08	-08	12	1/2	13.1	0.86	21.8	3990	275	15950	1100	7.1	180	0.679
PH254-10	-10	16	5/8	16.2	0.98	25.0	3625	250	14500	1000	7.9	200	0.825
PH254-12	-12	19	3/4	19.3	1.14	28.9	3120	215	12470	860	9.4	240	1.009
PH254-16	-16	25	1	25.9	1.48	37.5	2395	165	9570	660	11.8	300	1.457
PH254-20	-20	31	1.1/4	32.4	1.87	47.6	1815	125	7250	500	16.5	420	2.272
PH254-24	-24	38	1.1/2	38.7	2.13	54.0	1305	90	5220	360	19.7	500	2.620
PH254-32	-32	51	2	51.3	2.63	66.7	1160	80	4640	320	24.8	630	3.381
PH254-40	-40	63	2.1/2	63.5	3.15	80.0	1015	70	4060	280	29.9	760	4.443
PH254-48	-48	76	3	76.2	3.68	93.4	800	55	3190	220	35.4	900	5.459
PH254-64	-64	100	4	101.6	4.67	118.5	725	50	2900	200	46.5	1180	5.887

Temperature Range: Continuous: -40°C to +100°C Intermittent: +120°C
Impulse Cycles: 200,000; Tested upto 400,000 cycles, upto 1" I.D

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Double Steel Wire Braid

Cover: Black Color, Synthetic Rubber Resistant To Abrasion And Weather, Oil & Ozone. Available in Wrap And Smooth Finish

Application: High Pressure Hydraulic Lines 50 to 415 bar for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural, Construction & Material handling equipment and machineries/systems

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH244 - 2ST **Applicable Standard:** EN 853-2ST



Cover options
PH244 : MSHA
PH209 : HARDX MSHA

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH244-32	-32	51	2	51.0	2.76	70.0	1160	80	4640	320	24.8	630	3.729
PH244-48	-48	76	3	76.0	3.66	93.0	800	55	3190	220	35.4	900	5.167

Temperature Range: Continuous: -40°C to +100°C Intermittent : +120°C

*Smooth cover available only upto size 1”

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Double Steel Wire Braid

Cover: Black Color, Synthetic Rubber Resistant To Abrasion And Weather, Oil & Ozone. Available in Wrap And Smooth Finish

Application: Medium Pressure Hydraulic Lines 55 to 80 bar for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural, Construction & Material handling equipment and machineries/systems

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH258 - 2SC **Applicable Standard:** EN 857 - 2SC / SAE 100R16 / ISO 11237 - 1



Cover options	Temperature usage option
PH258 : MSHA	PH558 : Low temperature -55°C to +100°C
PH230 : HARDX MSHA	PH268 : High temperature MSHA cover -40°C to +135°C
PH260 : ABRAZONX MSHA	PH270 : Ultra high temperature MSHA cover -40°C to +150°C
Note : 1.1/4" 1SC not covered under EN857	

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH258-04	-04	06	1/4	6.7	0.52	13.2	5800	400	23200	1600	2.0	50	0.323
PH258-05	-05	08	5/16	8.2	0.59	14.9	5075	350	20300	1400	2.2	55	0.366
PH258-06	-06	10	3/8	9.8	0.67	17.1	4785	330	19140	1320	2.6	65	0.466
PH258-08	-08	12	1/2	13.1	0.80	20.4	3990	275	15950	1100	3.5	90	0.624
PH258-10	-10	16	5/8	16.3	0.93	23.5	3625	250	14500	1000	3.9	100	0.736
PH258-12	-12	19	3/4	19.3	1.10	28	3120	215	12470	860	4.7	120	0.932
PH258-16	-16	25	1	25.9	1.41	35.7	2395	165	9570	660	5.9	150	1.324
PH258-20	-20	31	1.1/4	32.2	1.73	43.9	1815	125	7250	500	8.3	210	1.750
PH258-24	-24	38	1.1/2	38.7	1.89	48.0	1450	100	5800	400	9.8	250	1.760
PH258-32	-32	51	2	51.3	2.43	61.6	1305	50	5220	360	11.8	300	2.300

Temperature Range: Continuous: -40°C to +100°C Intermittent: +120°C
Impulse Cycles: 200,000; Tested upto 400,000 cycles, upto 1" I.D

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Double Steel Wire Braid

Cover: Black Color, Synthetic Rubber Resistant To Abrasion And Weather, Oil & Ozone. Available in Wrap And Smooth Finish

Application: High Pressure Hydraulic Lines 125 to 400 bar requiring compact outer dia and high flexibility for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural, Earthmoving & Material handling equipment and machineries/systems

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH297- 2SNX - HP **Applicable Standard:** Exceeds SAE 100R16/EN 857



Cover options	Temperature usage option
PH297 : MSHA	PH238 : High temperature MSHA cover -40°C to +135°C
PH207 : ABRAZONX MSHA	

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH297-04	-04	06	1/4	6.7	0.53	13.4	6525	450	26100	1800	1.8	45	0.299
PH297-05	-05	08	5/16	8.2	0.59	15.0	6090	420	24360	1680	2.4	60	0.367
PH297-06	-06	10	3/8	9.8	0.69	17.4	5585	385	22330	1540	2.8	70	0.472
PH297-08	-08	12	1/2	13.1	0.81	20.6	5005	345	20010	1380	3.5	90	0.618
PH297-10	-10	16	5/8	16.2	0.94	24.0	4205	290	16820	1160	5.1	130	0.745
PH297-12	-12	19	3/4	19.3	1.09	27.7	4060	280	16240	1120	6.3	160	0.901
PH297-16	-16	25	1	25.9	1.40	35.6	2900	200	11600	800	8.3	210	1.261
PH297-20	-20	31	1.1/4	32.0	1.73	44.0	2540	175	10150	700	11.8	300	1.960

Temperature Range: Continuous: -40°C to +100°C Intermittent : +120°C
Impulse Cycles: 200,000 cycles

*Smooth cover available only upto size 1"

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Double Steel Wire Braid

Cover: Black Color, Synthetic Rubber Resistant To Abrasion And Weather, Oil & Ozone. Available in Wrap And Smooth Finish

Application: High Pressure Hydraulic Lines 175 to 450 bar requiring compact outer dia and high flexibility for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural, Earthmoving & Material handling equipment and machineries/systems

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH293 - R17 **Applicable Standard:** SAE H 517 - 100R17



Cover options	Temperature usage option
PH293 : MSHA	PH593 : High Temperature MSHA Cover -40°C to +100°C
PH198 : HARDX MSHA	PH594 : Ultra High Temperature MSHA Cover -40°C to +150°C
PH294 : ABRAZONX MSHA	

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH293-04	-04	06	1/4	6.6	0.50	12.8	3045	210	12180	840	2.0	50	0.218
PH293-05	-05	08	5/16	8.1	0.56	14.3	3045	210	12180	840	2.2	55	0.253
PH293-06	-06	10	3/8	9.7	0.64	16.3	3045	210	12180	840	2.6	65	0.303
PH293-08	-08	12	1/2	12.9	0.80	20.3	3045	210	12180	840	3.5	90	0.446
PH293-10	-10	16	5/8	16.1	0.93	23.5	3045	210	12180	840	3.9	100	0.736
PH293-12	-12	19	3/4	19.2	1.10	28.0	3045	210	12180	840	4.7	120	0.932
PH293-16	-16	25	1	25.7	1.48	37.5	3045	210	12180	840	5.9	150	1.614

Temperature Range: Continuous: -40°C to +100°C Intermittent: +120°C

Impulse Cycles: 200,000 cycles

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Single Or Double Steel Wire Braid

Cover: Black Color, Synthetic Rubber Resistant To Abrasion And Weather, Oil & Ozone. Available in Wrap And Smooth Finish

Application: ConstantPressure Hydraulic Lines 210 bar And Requires Half Bend Radius or use with for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Agricultural, Construction & Material handling equipment and machineries/systems

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RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH295- R19 **Applicable Standard:** SAE J517 - 100R19



Cover options
PH295 : MSHA
PH229 : HARDX MSHA
PH222 : ABRAZONX MSHA

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH295-04	-04	06	1/4	6.7	0.47	12.0	4060	280	16240	1120	2.0	50	0.186
PH295-05	-05	08	5/16	8.2	0.59	14.9	4060	280	16240	1120	2.2	55	0.366
PH295-06	-06	10	3/8	9.8	0.67	17.1	4060	280	16240	1120	2.6	65	0.466
PH295-08	-08	12	1/2	13.1	0.80	20.4	4060	280	16240	1120	3.5	90	0.624
PH295-10	-10	16	5/8	16.2	0.94	24.0	4060	280	16240	1120	3.9	100	0.745
PH295-12	-12	19	3/4	19.3	1.09	27.7	4060	280	16240	1120	4.7	120	0.901

Temperature Range : Continuous -40°C to +100°C **Intermittent** : +121°C
Impulse Cycles: 200,000 cycles

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Single Or Double Steel Wire Braid

Cover: Black Color, Synthetic Rubber Resistant To Abrasion And Weather, Oil & Ozone. Available in Wrap And Smooth Finish

Application: Compact Constant Pressure Hydraulic Lines 280 bar for use with petroleum, synthetic or water-based fluids in Hydraulic systems. Suitable for Agricultural, Construction & Material handling equipment /systems

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH213- 3000 PSI **Applicable Standard:** ISO 18752 - AC (DN06 -25) , ISO 18752 - BC (DN31 -51)



Cover options	Temperature usage option
PH213 : MSHA	PH413: -55°C to +100°C (WB)
PH223 : HARDX MSHA	PH433: -40°C to +135°C MSHA (WB)
PH403 : ABRAZONX MSHA	PH453: -40°C to +153°C MSHA (WB)
Note : WB: Wire Braid; WS: Wire Spiral	

Item Code	Dash Size	DN	HOSE STRUCTURE	ID		OD		WP		BP		BR/r		W
				inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH213-04	-04	06	1WB	1/4	6.7	0.50	12.8	3000	210	12000	840	2.0	50	0.216
PH213-05	-05	08	1WB	5/16	8.2	0.56	14.3	3000	210	12000	840	2.2	55	0.242
PH213-06	-06	10	1WB	3/8	9.8	0.64	16.3	3000	210	12000	840	2.6	65	0.303
PH213-08	-08	12	1WB	1/2	13.1	0.80	20.3	3000	210	12000	840	3.5	90	0.446
PH213-10	-10	16	2WB	5/8	16.2	0.99	25.1	3000	210	12000	840	3.9	100	0.736
PH213-12	-12	19	2WB	3/4	19.3	1.16	29.4	3000	210	12000	840	4.7	120	0.994
PH213-16	-16	25	2WB	1	25.9	1.48	37.5	3000	210	12000	840	5.9	150	1.449
PH213-20	-20	31	4WS	1.1/4	32.2	1.85	47.0	3000	210	12000	840	8.3	210	2.822
PH213-24	-24	38	4WS	1.1/2	38.7	2.11	53.5	3000	210	12000	840	22.0	560	3.566
PH213-32	-32	51	4WS	2	51.3	2.56	65.0	3000	210	12000	840	27.6	700	5.132

Temperature Range : **WB** -40°C to +100°C **Intermittent** : +120°C
WS -40°C to +120°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Single steel wire braid (DN06 - 12) Double steel wire braids (DN16 - 25) Four high tensile steel wire spirals (DN31 - 51)

Cover:Black color, synthetic rubber resistant to abrasion, weather, oil & ozone. Smooth* and wrap finish applicable only for Wire braided hose

Application:Constant pressure hydraulic lines 210 bar for use with petroleum or water based fluids in hydraulic systems.
Suitable for Agricultural, Construction & material handling equipments / systems

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH214/224 - 4000PSI

Applicable Standard: PH214(WB) ISO 18752 - AC, PH214(WS) ISO 18752-BC&CC, PH224 ISO 18752 -BC&CC

Cover options	Temperature usage option
PH214 : MSHA	PH414: -55°C to +100°C (WB)
PH404 : HARDX MSHA (WB)	PH434: -40°C to +135°C MSHA (WB)
PH464 : ABRAZONX MSHA (WB)	PH454: -40°C to +153°C MSHA (WB)
PH484: HardX MSHA (WS)	
PH494: AbrazonX MSHA (WS)	

Note : Sizes 3/8" to 3/4" available in both wire braid & wire spiral construction

WB: Wire Braid; WS: Wire Spiral



Item Code	Dash Size	DN	HOSE STRUCTURE	ID		OD		WP		BP		BR/r		W
				inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH214-04	-04	06	1WB	1/4	6.7	0.47	12.0	4000	280	16000	1120	2.0	50	0.186
PH214-05	-05	08	2WB	5/16	8.2	0.59	14.9	4000	280	16000	1120	2.2	55	0.366
PH214-06	-06	10	2WB	3/8	9.8	0.67	17.0	4000	280	16000	1120	2.6	65	0.466
PH224-06	-06	10	4WS	3/8	9.8	0.80	20.3	4000	280	16000	1120	2.6	65	0.660
PH214-08	-08	12	2WB	1/2	13.1	0.80	20.4	4000	280	16000	1120	3.5	90	0.624
PH224-08	-08	12	4WS	1/2	13.1	0.94	23.8	4000	280	16000	1120	3.5	90	0.852
PH214-10	-10	16	2WB	5/8	16.2	0.93	23.5	4000	280	16000	1120	3.9	100	0.736
PH224-10	-10	16	4WS	5/8	16.2	1.08	27.4	4000	280	16000	1120	3.9	100	1.059
PH214-12	-12	19	2WB	3/4	19.3	1.09	27.7	4000	280	16000	1120	4.7	120	0.901
PH224-12	-12	19	4WS	3/4	19.3	1.21	30.7	4000	280	16000	1120	4.7	120	1.134
PH214-16	-16	25	4WS	1	25.9	1.50	38.0	4000	280	16000	1120	5.9	150	1.980
PH214-20	-20	31	4WS	1.1/4	32.2	1.75	44.5	4000	280	16000	1120	18.1	460	2.671
PH214-24	-24	38	4WS	1.1/2	38.7	2.11	53.5	4000	280	16000	1120	22.0	560	3.566
PH214-32	-32	51	4WS	2	51.3	2.56	65.0	4000	280	16000	1120	24.8	630	5.132

Temperature Range : **WB** -40°C to +100°C , **WS** -40°C to +120°C **Intermittent** : +120°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Single steel wire braid (DN06), Double steel wire braids (DN08 - 19),Four high tensile steel wire spirals (DN10 - 51)

Cover:Black color, synthetic rubber resistant to abrasion, weather, oil & ozone. Smooth* and wrap finish applicable only for wire braided hose

Application:Constant pressure hydraulic lines 280 bar for use with petroleum or water based fluids in hydraulic systems.
Suitable for Agricultural, Construction & material handling equipments / systems

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH215/225-5000PSI

Applicable Standard: PH215(WB) ISO 18752-AC, PH215(WS)ISO 18752-BC&CC, PH225 ISO 18752-BC&CC

Cover options	Temperature usage option
PH215 : MSHA	PH415: -55°C to +100°C (WB)
PH226 : HARDX MSHA (WB)	PH435: -40°C to +135°C MSHA (WB)
PH466 : ABRAZONX MSHA (WB)	PH455: -40°C to +153°C MSHA (WB)
PH426: HardX MSHA (WS)	
PH486: AbrazonX MSHA (WS)	
Note : Sizes 3/8" & 1/2" available in both wire braid & wire spiral construction	
WB: Wire Braid; WS: Wire Spiral	



Item Code	Dash Size	DN	HOSE STRUCTURE	ID		OD		WP		BP		BR/r		W
				inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH215-04	-04	06	2WB	1/4	6.7	0.52	13.2	5000	350	20000	1400	2.0	50	0.323
PH215-05	-05	08	2WB	5/16	8.2	0.59	15.0	5000	350	20000	1400	2.2	55	0.366
PH215-06	-06	10	2WB	3/8	9.8	0.67	17.1	5000	350	20000	1400	2.6	65	0.466
PH225-06	-06	10	4WS	3/8	9.8	0.84	21.4	5000	350	20000	1400	3.5	90	0.822
PH215-08	-08	12	2WB	1/2	13.1	0.82	20.6	5000	350	20000	1400	3.5	90	0.624
PH225-08	-08	12	4WS	1/2	13.1	0.82	24.6	5000	350	20000	1400	4.5	115	0.994
PH215-10	-10	16	4WS	5/8	16.2	1.06	27.0	5000	350	20000	1400	4.7	120	1.258
PH215-12	-12	19	4WS	3/4	19.3	0.82	32.1	5000	350	20000	1400	9.4	240	1.814
PH215-16	-16	25	4WS	1	25.9	1.52	38.7	5000	350	20000	1400	11.8	300	2.277
PH215-20	-20	31	4WS	1.1/4	32.2	1.75	44.5	5000	350	20000	1400	18.1	460	2.671
PH215-24	-24	38	6WS	1.1/2	38.7	2.26	57.3	5000	350	20000	1400	19.7	500	5.747
PH215-32	-32	51	6WS	2	51.3	0.82	71.1	5000	350	20000	1400	24.8	630	7.852

Temperature Range : WB -40°C to +100°C , WS -40°C to +120°C Intermittent : +120°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Double steel wire braids (DN06-12), Four high tensile steel wire spirals (DN10 - 31) Six high tensile steel wire spirals(DN38-51)

Cover:Black color, synthetic rubber resistant to abrasion, weather, oil & ozone. Smooth* and wrap finish applicable only for wire braided hose

Application:Constant pressure hydraulic lines 350 bar for use with petroleum or water based fluids in hydraulic systems.
Suitable for Agricultural, Construction & material handling equipments / systems

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH216-6000 PSI

Applicable Standard:ISO 18752- AC (DN06- 08 ,ISO 18752- BC&CC (DN10-51)



Cover options	Temperature usage option
PH216 : MSHA	PH416: -55°C to +100°C (WB)
PH406 : HARDX MSHA	PH436: -40°C to +135°C MSHA (WB)
PH496 : ABRAZONX MSHA	PH456: -40°C to +153°C MSHA (WB)
S: SMOOTH COVER	
W: WRAP COVER	
Note : WB: Wire Braid; WS: Wire Spiral	

Item Code	Dash Size	DN	HOSE STRUCTURE	ID		OD		WP		BP		BR/r		W
				inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH216-04	-04	06	2WB	1/4	6.7	0.52	13.2	6000	420	24000	1680	2.0	50	0.323
PH216-05	-05	08	2WB	5/16	8.2	0.59	15.0	6000	420	24000	1680	2.4	60	0.367
PH216-06	-06	10	4WS	3/8	9.8	0.84	21.4	6000	420	24000	1680	3.5	90	0.822
PH216-08	-08	12	4WS	1/2	13.1	0.82	24.6	6000	420	24000	1680	4.5	115	0.994
PH216-10	-10	16	4WS	5/8	16.2	1.06	27.0	6000	420	24000	1680	4.7	120	1.258
PH216-12	-12	19	4WS	3/4	19.3	0.82	32.2	6000	420	24000	1680	10.4	265	1.814
PH216-16	-16	25	4WS	1	25.9	1.53	38.9	6000	420	24000	1680	13.0	330	2.277
PH216-20	-20	31	6WS	1.1/4	32.2	1.96	49.8	6000	420	24000	1680	17.5	445	4.269
PH216-24	-24	38	6WS	1.1/2	38.7	2.26	57.3	6000	420	24000	1680	20.9	530	5.747
PH216-32	-32	51	6WS	2	51.3	0.82	72.2	6000	420	24000	1680	25.6	650	7.852

Temperature Range : **WB** -40°C to +100°C **Intermittent** : +120°C
WS -40°C to +120°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Double steel wire braids (DN06-08), Four high tensile steel wire spirals (DN10-25),Six high tensile steel wire spirals (DN31-51)

Cover:Black color, synthetic rubber resistant to abrasion, weather, oil & ozone. Smooth* and wrap finish applicable only for wire braided hose

Application:Constant pressure hydraulic lines 420bar for use with petroleum or water based fluids in hydraulic systems.
Suitable for Agricultural, Construction & material handling equipments / systems

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH290-PILOT HOSE



Cover options
PH290 : MSHA

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH290-04	-04	06	1/4	6.4	0.44	11.2	1525	105	6020	415	1.2	30	0.169
PH290-05	-05	08	5/16	8.0	0.50	12.8	1525	105	6020	415	1.4	35	0.193
PH290-06	-06	10	3/8	9.5	0.56	14.3	1525	105	6020	415	2.0	50	0.272
PH290-08	-08	12	1/2	12.7	0.69	17.4	1525	105	6020	415	2.4	60	0.294

Temperature Range: Continuous: -40°C to +100°C Intermittent : +120°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Single Steel Wire Braid

Cover:Black color, synthetic rubber resistant to abrasion, weather, oil & ozone. Smooth* and wrap finish applicable only for wire braided hose

Application:Medium pressure hydraulic lines 105bar Requires Compact outer dia.for use with petroleum based fluids, water based fluids in hydraulic systems.
Suitable for Agricultural, Earth Moving& material handling equipments and machineries / systems

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH142-2 WB- 09 SERIES



Cover options
PH142 : MSHA

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH142-06	-06	10	3/8	9.5	0.75	19.1	5800	400	23200	1600	5.1	130	0.571
PH142-08	-08	12	1/2	12.7	0.87	22.2	5005	345	20010	1380	7.1	180	0.689
PH142-10	-10	16	5/8	16.0	1.00	25.4	4350	300	17400	1200	7.9	200	0.811
PH142-12	-12	19	3/4	19.0	1.16	29.4	3845	265	15370	1060	9.4	240	1.029
PH142-16	-16	25	1	25.4	1.48	37.5	3045	210	12180	840	11.8	300	1.503

Temperature Range: Continuous: -40°C to +100°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Double high tensile wire braids

Cover:Black color, synthetic rubber resistant to abrasion, weather, oil & ozone.

Application:High pressure hydraulic lines 210 Bat To 400bar. High Pressure Hydraulic System. Available in Wrap and Smooth Finish

PH276- TRIFLEX



Cover options
PH276 : MSHA

Item Code	Dash Size	DN	ID		RI OD		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH276-06	-06	10	3/8	9.5	0.70	17.7	0.84	21.3	7250	500	29000	2000	7.09	180	0.832
PH276-08	-08	12	1/2	12.7	0.81	20.5	0.96	24.3	6815	470	27260	1880	9.06	230	1.017
PH276-10	-10	16	5/8	16.0	0.96	24.4	1.10	28.0	5945	410	23780	1640	9.84	250	1.199
PH276-12	-12	19	3/4	19.0	1.09	27.8	1.24	31.5	5440	375	21750	1500	11.81	300	1.457
PH276-16	-16	25	1	25.4	1.37	34.7	1.52	38.7	4570	315	18270	1260	13.39	340	1.902

Temperature Range: Continuous: -40°C to +100°C Intermittent : +120°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil
Reinforcement: Three high tensile wire braids
Cover:Black color, synthetic rubber resistant to abrasion, weather, oil & ozone. Available in wrap and Smooth finish
Application:High pressure for forest industry. Compatible with mineral, vegetable ouls,glycol, polyglycol based, synthetic ester based oils, oils in water emulsion.

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH142-2 WB- 09 SERIEPH245-HYDRAULIC OIL S&D HOSE

Applicable Standard: SAE J 517- 100R4



Cover options	Temperature usage option
PH245 : MSHA	PH185 : High temperature MSHA cover -40°C to +135°C
1.3/4" not covered under SAE 100R4	

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH245-12	-12	19	3/4	19.0	1.18	30.0	365	25	1235	85	2.56	65	0.605
PH245-16	-16	25	1	25.0	1.50	38.0	290	20	1015	70	2.95	75	0.820
PH245-20	-20	31	1.1/4	32.0	1.77	45.0	220	15	870	60	4.13	105	1.100
PH245-24	-24	38	1.1/2	38.0	2.05	52.0	220	15	655	45	4.92	125	1.310
PH245-28	-28	44	1.3/4	45.0	2.20	56.0	145	10	435	30	5.91	150	1.420
PH245-32	-32	51	2	51.0	2.50	63.6	145	10	435	30	5.91	150	1.590
PH245-40	-40	63	2.1/2	64.0	3.00	76.2	75	5	290	20	7.09	180	2.400
PH245-48	-48	76	3	76.0	3.54	90.0	75	5	290	20	9.45	240	2.830
PH245-56	-56	89	3.1/2	89.0	4.05	103.0	75	5	290	20	10.24	260	3.500
PH245-64	-64	100	4	102.0	4.57	116.0	75	5	145	10	11.81	300	4.120

Temperature Range: Continuous: -40°C to +100°C
Vacuum: -0.9 bar

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil

Reinforcement: Synthetic Yarn Fabric With Steel Wire Helix

Cover:Black color, synthetic rubber resistant to abrasion, weather, oil & ozone.

Application:For Suction return line of hydraulic oil in industrial and Erth Moving Equipment

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH 146- R5

Applicable Standard: SAE J 517- 100R5



Cover options
PH141 : Rubber
2", 2-1/2", 3" are not covered under SAE 100R5

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH146-04	-04	05	3/16	5.1	0.52	13.2	3045	210	12180	840	3.0	75	0.228
PH146-05	-05	06	1/4	6.8	0.58	14.8	3045	210	12180	840	3.3	85	0.281
PH146-06	-06	08	5/16	8.3	0.68	17.15	2320	160	9135	630	3.9	100	0.343
PH146-08	-08	10	13/32	10.7	0.77	19.45	2030	140	8120	560	4.5	115	0.405
PH146-10	-10	12	1/2	13.2	0.92	23.4	1815	125	7105	490	5.5	140	0.549
PH146-12	-12	16	5/8	16.4	1.08	27.4	1525	105	6090	420	6.5	165	0.702
PH146-16	-16	22	7/8	22.7	1.24	31.4	870	60	3265	225	7.3	185	0.702
PH146-20	-20	30	1.1/8	29.2	1.50	38.1	655	45	2540	175	9.1	230	0.905
PH146-24	-24	35	1.3/8	35.5	1.75	44.45	510	35	2030	140	10.4	265	1.295
PH146-32	-32	45	1.13/16	46.6	2.22	56.4	365	25	1450	100	13.2	335	1.572
PH146-32	-32	51	2	51.0	2.48	63.0	365	25	1450	100	24.0	610	1.819
PH146-40	-40	60	2.3/8	61.1	2.87	73.0	365	25	1450	100	24.0	610	2.320
PH146-40	-40	63	2.1/2	63.5	2.95	75.0	510	35	2030	140	29.5	750	2.220
PH146-48	-48	76	3	76.0	3.50	89.0	510	35	2030	140	35.4	900	2.745

Temperature Range: Continuous: -40°C to +100°C for air application temp should be max +80°C and for water +90°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Single Steel wire braid

Cover:Black Color, Single braid of Textile Fiber

Application:Medium Pressure Hydraulic Lines 25 to 210 bar for use with fluids in Hydraulic Systems can also be used in air and water. Suitable for Agricultural, Earth Moving& Material Handling Equipment And Machineries/ System

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH186- R5C XT

Applicable Standard: Exceeds SAE J517- 100R5



Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH186 -04	-04	05	3/16	4.8	0.52	13.2	3045	210	12180	840	2.99	76	0.209
PH186 -05	-05	06	1/4	6.4	0.58	14.7	3045	210	12180	840	3.39	86	0.264
PH186 -06	-06	08	5/16	7.9	0.68	17.3	2320	160	9280	640	4.02	102	0.297
PH186 -08	-08	10	13/32	10.4	0.77	19.6	2030	140	8120	560	4.61	117	0.352
PH186 -10	-10	12	1/2	12.7	0.92	23.4	1815	125	7250	500	5.51	140	0.539
PH186 -12	-12	16	5/8	16.0	1.08	27.4	1525	105	6090	420	6.50	165	0.638
PH186 -16	-16	22	7/8	22.4	1.23	31.2	870	60	3480	240	7.36	187	0.605
PH186 -20	-20	30	1.1/8	28.4	1.50	38.1	655	45	2610	180	8.98	228	0.748
PH186 -24	-24	35	1.3/8	35.1	1.75	44.5	510	35	2030	140	10.47	266	1.012
PH186 -32	-32	45	1.13/16	46.0	2.22	56.4	365	25	1450	100	13.23	336	1.408
PH186 -40	-40	60	2.3/8	60.1	2.88	73.2	365	25	1450	100	23.98	609	2.321

Temperature Range: Continuous: -40°C to +150°C Air not to exceed: +121°C
Use with biodiesel not to exceed +100°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil

Reinforcement: Single Steel wire braid

Cover:Blue Polyester Braid Cover

Application:Medium Pressure Hydraulic Lines 25 to 210 bar for use with Hydraulic Handling Petroleum Based Fluids and Air, Gasoline, Fuel And Lubricating Oils, Fire Resistant Hydraulic Fluids& Other Indsutrial Fluids.

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH250-R3

Applicable Standard: SAE J517-100R3



Cover options
PH250 : MSHA
1-1/2" not covered under SAE 100R3

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH250-03	-03	05	3/16	4.9	0.50	12.7	1525	105	6090	420	3.0	75	0.171
PH250-04	-04	06	1/4	6.5	0.56	14.3	1305	90	5075	350	3.0	75	0.186
PH250-05	-05	08	5/16	8.0	0.69	17.5	1235	85	4930	340	3.9	100	0.272
PH250-06	-06	10	3/8	9.6	0.75	19.0	1160	80	4570	315	3.9	100	0.326
PH250-08	-08	12	1/2	12.9	0.94	23.8	1015	70	4060	280	4.9	125	0.456
PH250-10	-10	16	5/8	16.1	1.06	27.0	945	65	3560	245	5.5	140	0.677
PH250-12	-12	19	3/4	19.2	1.25	31.8	800	55	3045	210	5.9	150	0.734
PH250-16	-16	25	1	25.6	1.50	38.1	580	40	2320	160	8.1	205	0.921
PH250-20	-20	31	1.1/4	32.1	1.75	44.5	435	30	1525	105	9.8	250	0.734
PH250-24	-24	38	1.1/2	38.5	2.00	50.8	290	20	1015	70	15.7	400	1.394

Temperature Range: Continuous: -40°C to +100°C Intermittent : +120°C

Impulse cycles: 200,000 cycles

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Double Fiber Braids

Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone. Available in Wrap and Smooth Finish

Application; Low Pressure And Impulse Hydraulic Lines 20 to 105 bar for use With Petroleum, Synthetic or Water Based Fluids In Hydraulic System. Suitable For Agricultural, Construction & Material Handling Equipment And Machineries/ System.

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH147-R6

Applicable Standard: SAE J517-100R6



Cover options	Temperature usage option	Other option
PH247 : MSHA	PH164 : High temperature -40°C to +135°C	PH165 : Both inner and outer cover EPDM
	PH264 : High temperature MSHA cover -40°C to +135°C	
	PH227 : Ultra high temperature MSHA cover -40°C to +150°C	

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH147-03	-03	05	3/16	4.8	0.44	11.1	510	35	2030	140	2.0	50	0.119
PH147-04	-04	06	1/4	6.4	0.50	12.7	435	30	1670	115	2.6	65	0.141
PH147-05	-05	08	5/16	8.0	0.56	14.3	435	30	1670	115	3.0	75	0.164
PH147-06	-06	10	3/8	9.5	0.63	15.9	435	30	1670	115	3.0	75	0.175
PH147-08	-08	12	1/2	12.7	0.78	19.8	435	30	1670	115	3.9	100	0.285
PH147-10	-10	16	5/8	15.9	0.91	23.0	365	25	1450	100	4.9	125	0.336
PH147-12	-12	19	3/4	19.1	1.05	26.6	365	25	1235	85	5.9	150	0.413
PH147-14	-14	22	7/8	22	1.22	31.0	290	20	1160	80	7.9	200	0.558
PH147-16	-16	25	1	25.6	1.33	33.8	220	15	870	60	7.9	200	0.605
PH147-20	-20	31	1.1/4	32.2	1.58	40.2	290	20	1160	80	9.8	250	0.739
PH147-24	-24	38	1.1/2	38.0	2.01	51.0	220	15	870	60	15.7	400	1.430

Temperature Range: Continuous: -40°C to +100°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Textile Reinforcement

Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone. Available in Wrap and Smooth Finish

Application; Very Low Pressure Hydraulic Lines 15 to 35 bar for use With Petroleum, Synthetic or Water Based Fluids In Hydraulic System. Suitable For Agricultural, Stationary Equipment And Hydraulic System.

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH204-R6 FRAS MSHA **Applicable Standard:** Exceeds SAE J 517- 100R6



Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH204-03	-03	05	3/16	4.8	0.55	13.9	510	35	2030	140	2.0	50	0.191
PH204-04	-04	06	1/4	6.4	0.61	15.4	435	30	1670	115	2.6	65	0.222
PH204-05	-05	08	5/16	8.0	0.67	17.0	435	30	1670	115	3.0	75	0.247
PH204-06	-06	10	3/8	9.5	0.74	18.9	435	30	1670	115	3.0	75	0.299
PH204-08	-08	12	1/2	12.7	0.88	22.4	435	30	1670	115	3.9	100	0.376
PH204-10	-10	16	5/8	15.9	1.01	25.6	365	25	1450	100	4.9	125	0.449
PH204-12	-12	19	3/4	19.1	1.18	30.0	365	25	1235	85	5.9	150	0.560
PH204-14	-14	22	7/8	22.0	1.35	34.2	290	20	1160	80	7.9	200	0.689
PH204-16	-16	25	1	25.6	1.44	36.5	220	15	870	60	7.9	200	0.709

Temperature Range: Continuous: -40°C to +100°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Textile Reinforcement

Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone. Available in Wrap and Smooth Finish

Application; Very Low Pressure Hydraulic Lines 15 to 35 bar for use With Petroleum, Synthetic or Water Based Fluids In Hydraulic System. Suitable For Agricultural, Stationary Equipment And Hydraulic System.

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH 261- 1TE

Applicable Standard: EN 854- 1TE



Cover options	Temperature usage option
PH261 : MSHA	PH271 : High temperature MSHA cover -40°C to +135°C
3/4" & 1"not covered under EN854	

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH261-04	-04	06	1/4	6.6	0.49	12.4	365	25	1450	100	1.8	45	0.131
PH261-05	-05	08	5/16	8.1	0.55	13.9	290	20	1160	80	2.6	65	0.150
PH261-06	-06	10	3/8	9.0	0.61	15.5	290	20	1160	80	3.0	75	0.181
PH261-08	-08	12	1/2	13.0	0.74	18.7	290	20	945	65	3.5	90	0.222
PH261-10	-10	16	5/8	16.1	0.90	22.9	290	20	945	65	4.5	115	0.327
PH261-12	-12	19	3/4	19.3	1.04	26.3	220	15	725	50	5.3	135	0.381
PH261-16	-16	25	1	25.8	1.34	34.0	220	15	725	50	5.9	150	0.643

Temperature Range: Continuous: -40°C to +100°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Textile Reinforcement

Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone. Available in Wrap and Smooth Finish

Application; Very Low Pressure Hydraulic Lines 15 to 25 bar for use With Petroleum, Synthetic or Water Based Fluids In Hydraulic System. Suitable For Agricultural, Stationary Equipment And Hydraulic System.

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH262-2TE

Applicable Standard: EN 854- 2TE



Cover options	Temperature usage option
PH262 : MSHA	PH272 : High temperature MSHA cover -40°C to +135°C

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH262-04	-04	06	1/4	6.6	0.53	13.4	1090	75	4350	300	1.6	40	0.172
PH262-05	-05	08	5/16	8.1	0.59	14.9	1015	70	3990	275	2.0	50	0.199
PH262-06	-06	10	3/8	9.7	0.65	16.5	945	65	3700	255	2.4	60	0.230
PH262-08	-08	12	1/2	13.0	0.78	19.7	870	60	3410	235	2.8	70	0.298
PH262-10	-10	16	5/8	16.1	0.94	23.9	725	50	2900	200	3.5	90	0.409
PH262-12	-12	19	3/4	19.3	1.06	27.0	655	45	2610	180	4.3	110	0.494
PH262-16	-16	25	1	25.8	1.35	34.4	580	40	2320	160	5.9	150	0.694

Temperature Range: Continuous: -40°C to +100°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: SingleTextile Reinforcement

Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone. Available in Wrap and Smooth Finish

Application; Very Low Pressure Hydraulic Lines 40to 75 bar for use With Petroleum, Synthetic or Water Based Fluids In Hydraulic System. Suitable For Agricultural, Stationary Equipment And Hydraulic System.

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH263-3TE

Applicable Standard: EN 854- 3TE



Cover options	Temperature usage option
PH263 : MSHA	PH273 : High temperature MSHA cover -40°C to +135°C
PH239 : Both inner and outer cover CPE rubber	

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH263-04	-04	06	1/4	6.6	0.57	14.4	2105	145	8410	580	1.8	45	0.207
PH263-05	-05	08	5/16	8.1	0.67	16.9	1885	130	7540	520	2.2	55	0.278
PH263-06	-06	10	3/8	9.7	0.73	18.5	1595	110	6380	440	2.8	70	0.321
PH263-08	-08	12	1/2	13.0	0.85	21.7	1380	95	5440	375	3.3	85	0.389
PH263-10	-10	16	5/8	16.1	1.02	25.9	1160	80	4640	320	4.1	105	0.528
PH263-12	-12	19	3/4	19.3	1.14	29.0	1015	70	4060	280	5.1	130	0.604
PH263-16	-16	25	1	25.8	1.41	35.9	800	55	3190	220	5.9	150	0.812
PH263-20	-20	31	1.1/4	32.3	1.67	42.3	655	45	2610	180	7.5	190	0.819
PH263-24	-24	38	1.1/2	38.6	1.95	49.6	580	40	2320	160	9.4	240	1.178

Temperature Range: Continuous: -40°C to +100°C Temp for water based fluids: +90°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Double Textile Braid

Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone. Available in Wrap and Smooth Finish

Application; Medium Pressure and Low Impulse Pressure Hydraulic Lines 40 to 145 bar for use With Petroleum, Synthetic or Water Based Fluids In Hydraulic System. Suitable For Agricultural, Construction & Material Handling Equipment And Machineries / System.

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH175-JACK HOSE



Cover options
PH125 : HARDX MSHA
PH175 : MSHA

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH175-04	-04	06	1/4	6.4	0.52	13.2	10150	700	20300	1400	2.0	50	0.323
PH175-06	-06	10	3/8	9.5	0.69	17.4	10150	700	20300	1400	2.8	70	0.472
PH175-08	-08	12	1/2	13.0	0.86	21.8	10150	700	20300	1400	7.1	180	0.695

Temperature Range: Continuous: -40°C to +100°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water
Reinforcement: Double wire Braid
Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone. Available in Wrap and Smooth Finish
Application; Hydraulic Jacking System with Petroleum and Water bassed Fluids. 10,000 PSI Static Pressure Only.

PH513- PW 3K-1 WB



Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH513-04	-04	06	1/4	6.7	0.47	12.0	3000	210	9000	630	1.4	35	0.194
PH513-05	-05	08	5/16	8.2	0.55	13.6	3000	210	9000	630	2.6	65	0.231
PH513-06	-06	10	3/8	9.8	0.63	16.0	3000	210	9000	630	3.0	75	0.297
PH513-08	-08	12	1/2	13.1	0.79	19.6	3000	210	9000	630	3.9	100	0.411

Temperature Range: Continuous: -10°C to +155°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To to hot Water
Reinforcement: single steel wire braid
Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone. Available in Wrap and Smooth Finish
Application; For Pressure Washer Applications with a maximum Pressure of 210 bar. For cold and hot water up to 155 C
Note: Also Available in Blue and Gray Color Cover on Request, Not Suitable for steam and oil Applications

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH514- PW 4K - 1WB



Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH514-04	-04	06	1/4	6.7	0.47	12.0	4000	280	12000	830	1.4	35	0.194
PH514-05	-05	08	5/16	8.2	0.54	13.7	4000	280	12000	830	2.6	65	0.235
PH514-06	-06	10	3/8	9.8	0.63	16.0	4000	280	12000	830	3.0	75	0.305
PH514-08	-08	12	1/2	13.1	0.77	19.6	4000	280	12000	830	3.9	100	0.425

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water
Reinforcement: Single wire Braid
Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone. Available in Wrap and Smooth Finish
Application; For Pressure washer applications with a maximum pressure of 280 bar. for cold and hot water uo to 155 C.

PH516- PW 6K-2 WB



Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH516-04	-04	06	1/4	6.7	0.53	13.6	6000	415	18000	1245	3.0	75	0.360
PH516-05	-05	08	5/16	8.2	0.60	15.3	6000	415	18000	1245	3.3	85	0.372
PH516-06	-06	10	3/8	9.8	0.68	17.4	6000	415	18000	1245	3.5	90	0.449

Temperature Range: Continuous: -10°C to +155°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To to hot Water
Reinforcement: Double steel wire braid
Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone. Available in Wrap and Smooth Finish
Application; For Pressure Washer Applications with a maximum Pressure of 415 bar. For cold and hot water up to 155 C
Note: Also Available in Blue and Gray Color Cover on Request, Not Suitable for steam and oil Applications

RUBBER HOSES
LOW& MEDIUM PRESSURE HOSE

PH512- SUPER SERVICE HOSE **Applicable Standard:** Exceeds EN 857- 1sc / EN 1829- 2



Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH521-04	-04	06	1/4	6.7	0.47	12.0	5220	360	13050	900	3.0	75	0.195
PH521-05	-05	08	5/16	8.2	0.54	13.6	4930	340	12325	850	3.3	85	0.232
PH521-06	-06	10	3/8	9.8	0.63	16.0	4350	300	10875	750	3.5	90	0.312
PH521-08	-08	12	1/2	13.1	0.78	19.6	3625	250	9065	625	5.1	130	0.428

Temperature Range: Continuous: -40°C to +155°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To Oil And Water

Reinforcement: Single wire Braid

Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone. Available in Wrap and Smooth Finish (color option in Gray, Blue Available on Request)

Application; Cleaning lines for lobby and semi Professional Machines. High flexibility for use with minerals, glycols, polyglycols oils, Synthetic ester oils, oils, in water emlusion

RUBBER- HYDRAULIC- PRESSURE WASHER HOSE

PH522- SUPER SERVICE HOSE

Applicable Standard: Exceeds EN 857- 2SC/ EN 1829-2



Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH522-04	-04	06	1/4	6.7	0.52	13.2	9425	650	23200	1600	3.0	75	0.326
PH522-05	-05	08	5/16	8.2	0.59	14.9	7975	550	20300	1400	3.3	85	0.369
PH522-06	-06	10	3/8	9.8	0.67	17.0	7615	525	19140	1320	3.5	90	0.459
PH522-08	-08	12	1/2	13.1	0.80	20.4	6380	440	15950	1100	5.1	130	0.626

Temperature Range: Continuous: -40°C to +155°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To to hot Water

Reinforcement: Two high Tensile Steel wire braid

Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone. Available in Wrap and Smooth Finish

Application; Cleaning lines for lobby, and semi professional machines. High flexibility for use with minerals, glycols, polyglycols oils, synthetic ester oils, oils in water emlusion

RUBBER- HYDRAULIC- HIGH PRESSURE SPIRAL HOSE

PH177-SAE 100R12

Applicable Standard: SAE J 517- 100R12/ EN 856-R12/ISO 3862



Cover options
PH177 : MSHA
PH187 : HARDX MSHA
PH285 : ABRAZONX MSHA

Item Code	Dash Size	DN	ID		RI OD		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH177-06	-06	10	3/8	9.7	0.68	17.2	0.80	20.3	4060	280	16240	1120	2.52	64	0.660
PH177-08	-08	12	1/2	12.9	0.82	20.9	0.94	23.8	4060	280	16240	1120	3.50	89	0.852
PH177-10	-10	16	5/8	16.1	0.96	24.5	1.08	27.4	4060	280	16240	1120	4.01	102	1.059
PH177-12	-12	19	3/4	19.2	1.10	28.0	1.21	30.7	4060	280	16240	1120	4.76	121	1.134
PH177-16	-16	25	1	25.7	1.37	34.9	1.50	38.0	4060	280	16240	1120	6.02	153	1.980
PH177-20	-20	31	1.1/4	32.2	1.73	43.9	1.85	47.0	3045	210	12180	840	8.27	210	2.822
PH177-24	-24	38	1.1/2	38.5	1.98	50.4	2.11	53.5	2540	175	10150	700	10.00	254	3.229
PH177-32	-32	51	2	51.4	2.50	63.6	2.63	66.7	2540	175	10150	700	12.52	318	4.622
PH177-40	-40	63	2.1/2	63.5	2.95	75.0	3.07	78.0	2030	140	8120	560	14.20	360	5.285

Temperature Range: Continuous: -40°C to +121°C
Impulse cycles: 500,000 cycles

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To oil and water

Reinforcement: Four high Tensile Steel wire spiral

Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone.

Application; Heavy duty high temperature medium pressure hydraulic lines 175 to 280 bar and hydrostatic transmission lines for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Earthmoving, Material handling equipment and machineries/systems

RUBBER- HYDRAULIC- HIGH PRESSURE SPIRAL HOSE

PH178- R13

Applicable Standard: SAE J 517- 100R13/ EN 856-R13/ISO 3862



Cover options
PH178 : MSHA
PH128 : HARDX MSHA

Item Code	Dash Size	DN	ID		RI OD		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH178-12	-12	19	3/4	19.2	1.14	29.0	1.26	32.1	5075	350	20300	1400	9.45	240	1.814
PH178-16	-16	25	1	25.7	1.40	35.6	1.52	38.7	5075	350	20300	1400	11.81	300	2.277
PH178-20	-20	31	1.1/4	32.2	1.85	47.0	1.96	49.8	5075	350	20300	1400	16.54	420	4.269
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

Temperature Range: Continuous: -40°C to +121°C
Impulse cycles: 500,000 cycles

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 And Weather, Oil& 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

RUBBER- HYDRAULIC- HIGH PRESSURE SPIRAL HOSE

PH279- R15

Applicable Standard: SAE J 517- 100R15/ISO 3862



Cover options
PH279 : MSHA
PH259 : ABRAZONX MSHA
5/8" & 2" Not covered under SAE 100R15

Item Code	Dash Size	DN	ID		RI OD		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH279-06	-06	10	3/8	9.8	0.69	17.5	0.84	21.4	6000	420	24000	1680	3.50	90	0.822
PH279-08	-08	12	1/2	13.1	0.80	20.4	0.82	24.6	6000	420	24000	1680	4.50	115	0.994
PH279-10	-10	16	5/8	16.2	0.97	24.6	1.06	27.0	6000	420	24000	1680	4.70	120	1.258
PH279-12	-12	19	3/4	19.2	1.14	29.0	1.27	32.2	6090	420	24360	1680	10.43	265	1.814
PH279-16	-16	25	1	25.7	1.40	35.6	1.53	38.9	6090	420	24360	1680	12.99	330	2.277
PH279-20	-20	31	1.1/4	32.2	1.85	47.0	1.96	49.8	6090	420	24360	1680	17.52	445	4.269
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

Temperature Range: Continuous: -40°C to +121°C
Impulse cycles: 500,000 cycles

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 And Weather, Oil& Ozone.

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

RUBBER- HYDRAULIC- HIGH PRESSURE SPIRAL HOSE

PH277- 4SP

Applicable Standard: EN 856-4SP/ ISO 3862



Cover options
PH277 : MSHA
PH219 : HARDX MSHA
PH205 : ABRAZONX MSHA

Item Code	Dash Size	DN	ID		RI OD		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH277-04	-04	06	1/4	6.6	0.58	14.7	0.70	17.9	6525	450	26100	1800	5.91	150	0.627
PH277-06	-06	10	3/8	9.7	0.69	17.5	0.84	21.4	6455	445	25810	1780	7.09	180	0.822
PH277-08	-08	12	1/2	13.0	0.80	20.4	0.97	24.6	6020	415	24070	1660	9.06	230	0.994
PH277-10	-10	16	5/8	16.2	0.94	23.8	1.11	28.2	5075	350	20300	1400	9.84	250	1.222
PH277-12	-12	19	3/4	19.3	1.12	28.4	1.27	32.2	5510	380	22040	1520	11.81	300	1.605
PH277-16	-16	25	1	25.9	1.40	35.5	1.56	39.7	4640	320	18560	1280	13.39	340	2.277
PH277-20	-20	31	1.1/4	32.4	1.81	46.0	2.00	50.8	3045	210	12180	840	18.11	460	3.368
PH277-24	-24	38	1.1/2	38.6	2.06	52.4	2.25	57.2	2685	185	10730	740	22.05	560	3.911
PH277-32	-32	51	2	51.3	2.57	65.3	2.75	69.8	2395	165	9570	660	25.98	660	5.185

Temperature Range: Continuous: -40°C to +100°C Intermittent: +120°C
Impulse cycles: 400,000 cycles

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To oil and water

Reinforcement: Four high tensile steel wire spiral

Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone.

Application; Medium pressure Hydraulic Lines 165 to 450 bar and hydrostatic transmission lines for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Earthmoving & Material handling equipment and machineries/systems

RUBBER- HYDRAULIC- HIGH PRESSURE SPIRAL HOSE

PH278- 4SH

Applicable Standard: EN 856-4SH/ISO 3862



Cover options
PH278 : MSHA
PH220 : HARDX MSHA
PH289 : ABRAZONX MSHA

Item Code	Dash Size	DN	ID		RI OD		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH278-12	-12	19	3/4	19.4	1.12	28.4	1.27	32.2	6090	420	24360	1680	11.02	280	1.605
PH278-16	-16	25	1	25.9	1.40	35.5	1.52	38.7	5510	380	22040	1520	13.39	340	2.277
PH278-20	-20	31	1.1/4	32.5	1.65	41.9	1.79	45.5	5075	350	20300	1400	18.11	460	2.671
PH278-24	-24	38	1.1/2	38.7	1.92	48.8	2.11	53.5	4350	300	17400	1200	22.05	560	3.566
PH278-32	-32	51	2	51.3	2.49	63.2	2.68	68.1	3625	250	14500	1000	27.56	700	5.132

Temperature Range: Continuous: -40°C to +100°C Intermittent: +120°C

Impulse cycles: 400,000 cycles

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To oil and water

Reinforcement: Four high tensile steel wire spiral

Cover: Black Color, Synthetic Rubber Resistant to Abrasion And Weather, Oil& Ozone.

Application; Extra high pressure Hydraulic Lines 250 to 420 bar and hydrostatic transmission lines for use with petroleum, synthetic or water based fluids in Hydraulic systems. Suitable for Earthmoving & Material handling equipment and machineries/systems

RUBBER- HYDRAULIC- HIGH PRESSURE SPIRAL HOSE

PH183-FIRE SHIELD HOSE



Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
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"	13.00	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

Temperature Range: Continuous: -40°C to +121°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To oil and water

Reinforcement: Four high tensile steel wire sprial (DN 32),Six high tensile steel wire sprial (DN 38 - 51)

Cover:Red Color synthetic rubber resistant to fire, abrasion, oil, weather & ozone

Application; Fire Shield hose is used as flame preventer in the Hydraulic Control System with Operating Pressure 5000 PSI.
It meets fire test as per API 16D spec for 5 minutes at 700°C (tested for more than 10 minutes at 800° C), operated under emergencies

Note: Fiberglass layer applied till 1.1/4" size

RUBBER- HYDRAULIC-WATER BLAST HOSE

PH183-FIRE SHIELD HOSE



Cover options
PH280 : MSHA

Item Code	Dash Size	DN	ID		RI OD		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
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

Temperature Range: Continuous: -40°C to +90°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To oil and water

Reinforcement: Four high tensile steel wire sprial

Cover:Black Color synthetic rubber resistant to fire, abrasion, oil, weather & ozone

Application; Water blasting Water jetting, Cleeaning Equipment. Delivery of Water And Water Emulsions

RUBBER- HYDRAULIC-WATER BLAST HOSE

PH281- WATER BLAST 40



Cover options
PH281 : MSHA

Item Code	Dash Size	DN	ID		RI OD		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
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

Temperature Range: Continuous: -40°C to +90°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To oil and water
Reinforcement: Four high tensile steel wire sprial
Cover:Black Color synthetic rubber resistant to fire, abrasion, oil, weather & ozone
Application; Water blasting Water jetting, Cleeaning Equipment. Delivery of Water And Water Emulsions

PH282- WATER BLAST 45



Cover options
PH282 : MSHA

Item Code	Dash Size	DN	ID		RI OD		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
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

Temperature Range: Continuous: -40°C to +90°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To oil and water
Reinforcement: Four high tensile steel wire sprial
Cover:Black Color synthetic rubber resistant to fire, abrasion, oil, weather & ozone
Application; Water blasting Water jetting, Cleeaning Equipment. Delivery of Water And Water Emulsions

RUBBER- HYDRAULIC-WATER BLAST HOSE

PH283-WATER BLAST 50



Cover options
PH283 : MSHA

Item Code	Dash Size	DN	ID		RI OD		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH283-08	-08	12	1/2	12.7	1.02	26.0	1.13	28.6	20010	1380	50025	3450	9.06	230	2.02

Temperature Range: Continuous: -40°C to +90°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To oil and water

Reinforcement: Six high tensile steel wire sprial

Cover:Black Color synthetic rubber resistant to fire, abrasion, oil, weather & ozone

Application; Water blasting Water jetting, Cleeaning Equipment. Delivery of Water And Water Emulsions

RUBBER- HYDRAULIC-MINING HOSE

PH174-BCS

Applicable Standards: BCS 174- 1992



Cover options
PH174 : MSHA
5/8" Not covered under BCS 174. DGMS approved

Item Code	Dash Size	DN	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	kg/m
PH174-04	-04	06	1/4	6.3	0.67	17.0	6525	450	26100	1800	3.9	100	0.504
PH174-06	-06	10	3/8	9.5	0.84	21.4	5510	380	22040	1520	5.1	130	0.712
PH174-08	-08	12	1/2	12.7	1.04	26.4	5295	365	21025	1450	5.9	150	0.977
PH174-10	-10	16	5/8	16.0	1.18	30.0	4060	280	16240	1120	7.5	190	1.300
PH174-12	-12	20	3/4	19.0	1.32	33.6	4060	280	16025	1105	9.1	230	1.514
PH174-16	-16	25	1	25.4	1.60	40.6	3120	215	12470	860	11.8	300	1.756
PH174-20	-20	31	1.1/4	31.7	1.87	47.5	2540	175	10005	690	15.0	380	2.090
PH174-24	-24	38	1.1/2	38.4	2.13	54.1	2175	150	8485	585	17.7	450	2.763
PH174-32	-32	51	2	51.1	2.63	66.8	1670	115	6525	450	23.6	600	3.541

Temperature Range: Continuous: -40°C to +100°C Intermittent: +120°C

CONSTRUCTION :

Inner Tube: Black Color, Synthetic Rubber Resistant To oil and water

Reinforcement: Double high tensile steel wire spiral

Cover: Black Color synthetic rubber resistant to fire, abrasion, oil, weather & ozone. Available in Wrap and Smooth Finish

Application; High Pressure Hydraulic Lines 115 to 450 bar for use with petroleum, synthetic or water-based fluids in Hydraulic systems. Specially made as per British coal 174 specification and to be used in underground mining equipment machines and roof support systems. Also in long wall mining applications

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