



PHONEX[®]

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ABOUT US:

34 YEARS & COUNTING

We started business in 1989 in Iran and the United Arab Emirates as an industrial & hydraulic hose and fittings distributor. In 2014, We set up a branch and enhanced supply chain in Toronto, Ontario to better serve our customer's needs with offering our Phonex® branding.

As a part of our commitment, we invest in and aim to provide durable hydraulic & industrial hoses from the world's most trusted vendors from Germany, Italy, Malaysia, India and Indonesia.

We use our logistical, technical and solutions-oriented prowess to establish ourselves as the one source for Every Market for high pressure hydraulic hose and fittings, and industrial transfer hose.

High quality, global presence, and long-term partnership with our customers are the reason for our success over the years.

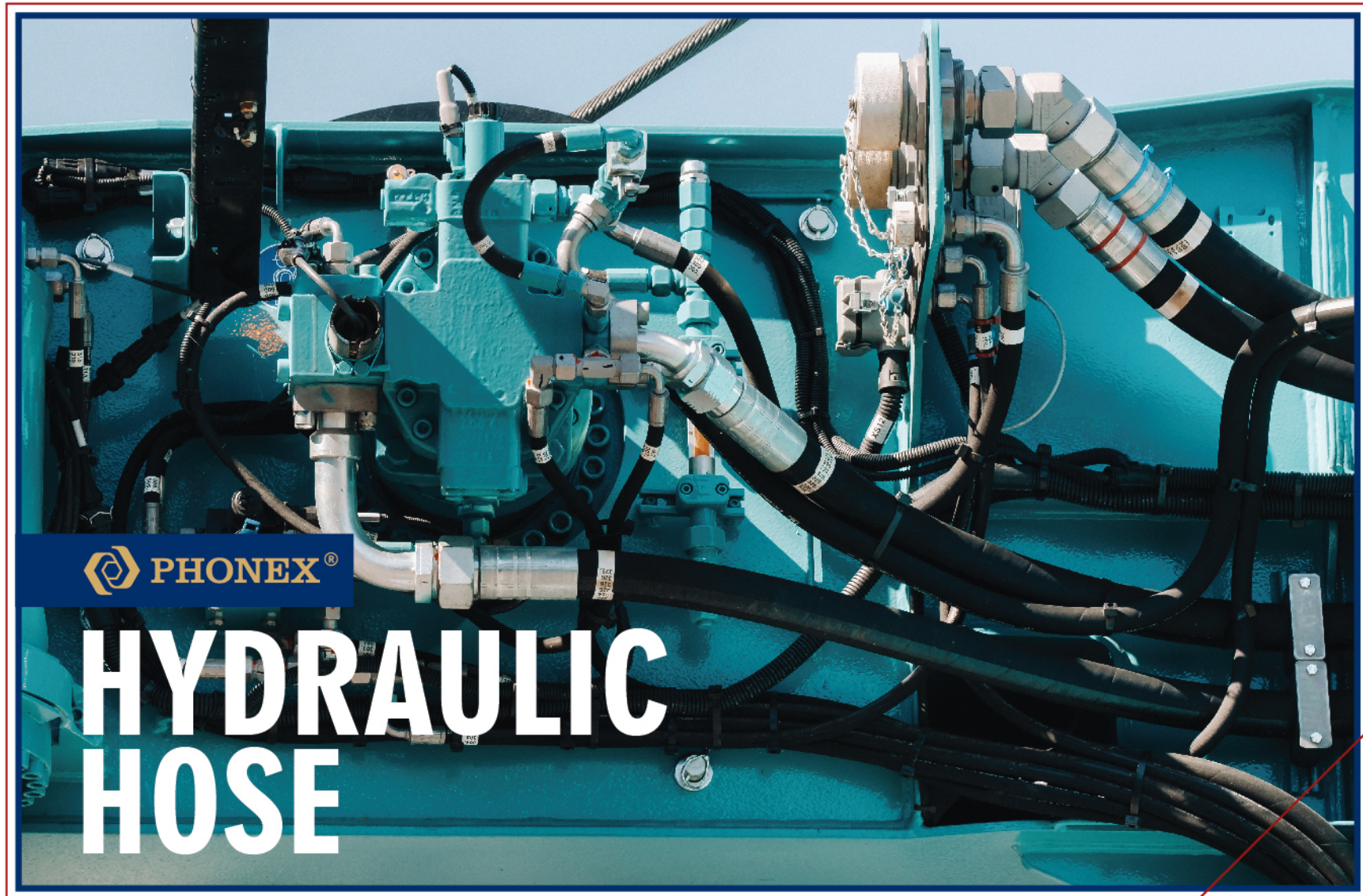
We are fully committed to maintaining the highest customer satisfaction records.

OUR MISSION

We are always striving for quality excellence.
Constant research of new techniques, materials and processes.
Continuous product and service improvement.

Ensuring compliance with:

- ISO 9001 Quality Management Certification
- ISO 1402 Rubber and plastics hoses and hose assemblies- Hydrostatic Testing Certification



SAE 100 R1 AT

ISO 1436-1 / EN 853 1SN

- TUBE** Inner tube in high quality synthetic rubber compounds.
- REINFORCEMENT** One high tensile steel wire braid.
- COVER** Abrasion & weather resistant synthetic rubber. Abrasion, ozone and hydrocarbon resistant synthetic rubber.
- TEMPERATURE** -40° C ~ +100° C (+125° C for short period)
- APPLICATION** High pressure hydraulic lines, Fuel oil, antifreeze solution, air and water.

DN	ID		OD	WP		TP	BP	BEND REDIUS	WEIGHT
	mm	inch		mm	mm				
6	1/4	6.4	13.4	225	3265	450	900	100	0.235
8	5/16	7.9	15.0	215	3120	430	860	115	0.275
10	3/8	9.5	17.4	180	2610	360	720	130	0.340
12	1/2	12.7	20.3	160	2320	320	640	180	0.399
16	5/8	15.9	23.7	130	1890	260	520	200	0.499
19	3/4	19.0	27.7	105	1525	210	420	240	0.610
25	1	25.4	35.6	88	1275	175	350	300	0.930
32	1 1/4	31.8	43.0	63	915	126	250	420	1.183
38	1 1/2	38.1	50.4	50	725	100	200	500	1.345
51	2	50.8	63.5	40	580	80	160	630	1.840
64	2 1/2	63.5	79.0	25	362	50	100	762	2.350
76	3	76.2	94.4	20	290	40	80	915	2.400
100	4	101.6	117.0	10	145	20	40	1105	3.100



 PHONEX®

HYDRAULIC HOSE

SAE 100 R2 AT

ISO 1436-1 / EN 853 2SN

- TUBE** Inner tube in high quality synthetic rubber compounds.
- REINFORCEMENT** Two high tensile steel wire spiral layers.
- COVER** Abrasion & weather resistant synthetic rubber. Abrasion, ozone and hydrocarbon resistant synthetic rubber.
- TEMPERATURE** -40° C ~ +100° C (+125° C for short period)
- APPLICATION** High pressure hydraulic lines, Fuel oil, antifreeze solution, air and water.

DN	ID		OD	WP		TP	BP	BEND REDIUS	WEIGHT
	mm	inch		mm	mm				
6	1/4	6.4	15.1	400	5800	800	1600	100	0.380
8	5/16	7.9	16.7	350	5100	700	1400	115	0.441
10	3/8	9.5	19.1	330	4800	660	1320	125	0.533
12	1/2	12.7	22.2	276	4000	550	1100	175	0.654
16	5/8	15.9	25.4	250	3600	500	1000	200	0.749
19	3/4	19.0	29.4	215	3100	430	860	240	0.922
25	1	25.4	37.3	165	2400	330	660	300	1.373
32	1 1/4	31.8	48.3	125	1800	250	500	420	1.672
38	1 1/2	38.1	54.7	90	1300	180	360	500	1.870
51	2	50.8	67.7	80	1160	160	320	630	2.494
64	2 1/2	63.5	82.5	69	1000	138	276	762	3.96
76	3	76.2	96.0	45	650	90	180	915	4.96
100	4	101.6	118.5	25	365	50	100	1105	5.96

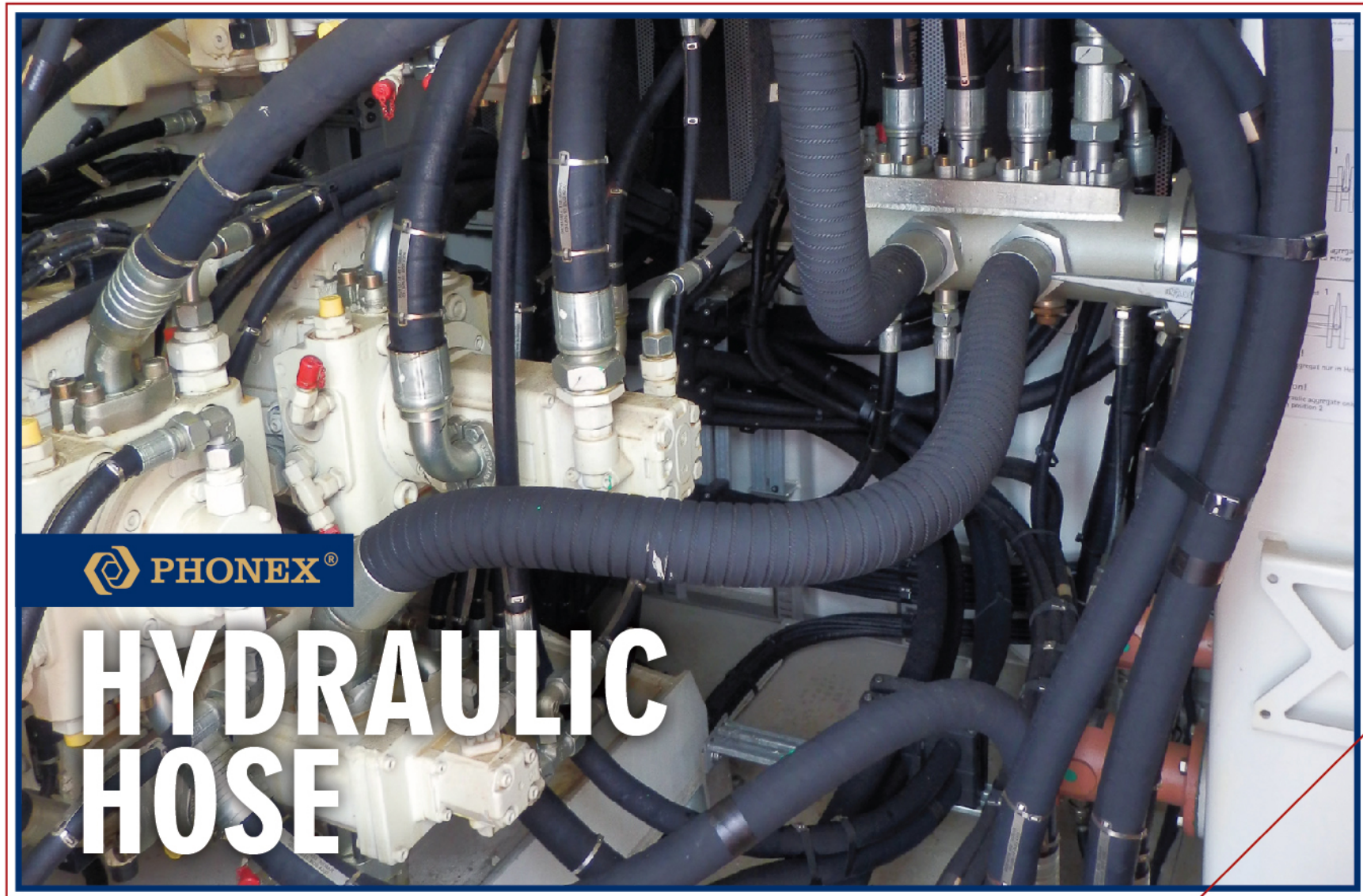


SAE 100 R5

J1402 DOT All FM VSS 106

- TUBE** Oil resistant synthetic rubber.
- REINFORCEMENT** One textile & one single steel wire braid.
- COVER** Abrasion & weather resistant synthetic rubber with impregnated textile braid.
- TEMPERATURE** -40° C ~ +100° C (+125° C for short period) - Air max T ~ +70° C
- APPLICATION** Medium pressure hydraulic lines, Fuel oil, antifreeze solution, air and water.

DN	ID		OD	WP		TP	BP	BEND RADIUS	WEIGHT
	mm	inch		mm	mm				
5	3/16	4.8	13.2	207	3000	414	827	76	0.230
6	1/4	6.4	14.8	207	3000	414	827	86	0.270
8	5/16	8.0	17.2	155	2250	310	620	102	0.350
10	13/32	10.3	19.5	138	2000	276	552	117	0.404
12	1/2	12.7	23.4	121	1750	242	483	140	0.560
16	5/8	16.0	27.4	103	1500	206	414	165	0.670
22	7/8	22.2	31.4	55	800	110	220	187	0.690
29	1 1/8	28.6	38.1	43	625	86	172	229	0.850
35	1 3/8	34.9	44.5	34	525	68	138	267	1.060
46	1 13/16	46.0	56.4	24	350	48	96	337	1.350
60	2 3/8	60	73	24	350	48	96	610	1.600



 PHONEX®

HYDRAULIC HOSE

4SH DIN EN 856

- TUBE** Inner tube in high quality synthetic rubber compounds.
- REINFORCEMENT** Four high tensile steel wire spiral layers.
- COVER** Abrasion & weather resistant synthetic rubber.
Abrasion, ozone and hydrocarbon resistant synthetic rubber.
- TEMPERATURE** -40° C ~ +100° C (+120° C max)
- APPLICATION** Developed to withstand very demanding condition, very high performance in pressure, pulsing and flexing.

DN	ID		OD	WP		TP	BP	BEND RADIUS	WEIGHT
	mm	inch		mm	mm				
19	3/4	19.0	32.2	420	6095	840	1680	280	1.53
25	1	25.4	38.7	380	5515	760	1520	340	2.340
31	1 1/4	31.8	45.5	345	5000	690	1380	460	2.980
38	1 1/2	38.1	53.5	290	4200	580	1160	560	3.420
51	2	50.8	68.1	250	3625	500	1000	700	3.980



SAE 100 R15

ISO 18752

- TUBE** Inner tube in high quality synthetic rubber compounds.
- REINFORCEMENT** Up to 1-1/4" four, 1-1/2" six high tensile steel wire spiral layers.
- COVER** Abrasion & weather resistant synthetic rubber. MSHA APPROVED.
- TEMPERATURE** -40° C ~ +125° C
- APPLICATION** Developed to withstand very demanding condition, very high performance in pressure, pulsing and flexing.

DN	ID		OD	WP		TP	BP	BEND RADIUS	WEIGHT
	mm	inch		mm	mm				
10	3/8	9.5	23.3	445	6950	890	1780	75	0.77
12	1/2	12.7	26.8	420	6000	840	1680	90	0.92
19	3/4	19.0	32.1	420	6000	840	1680	120	1.50
25	1	25.4	46.10	420	6000	840	1680	150	2.10
31	1 1/4	31.8	49.30	420	6000	840	1680	445	3.700
38	1 1/2	38.1	56.5	420	6000	840	1680	530	4.000
51	2	50.8	70.9	420	6000	840	1680	650	5.200



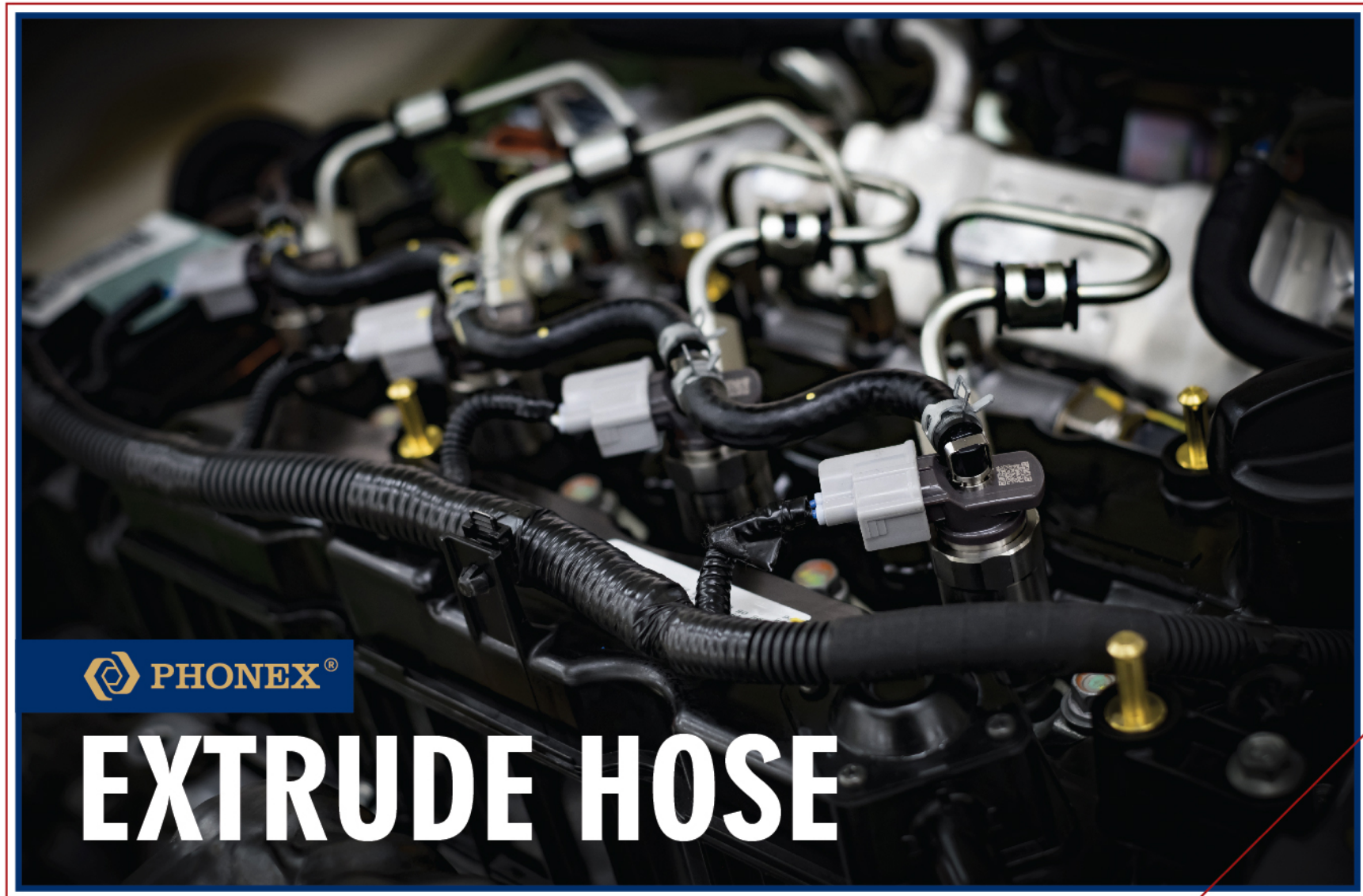
 PHONEX®

EXTRUDE HOSE

HEAVY DUTY AIR HOSE

- TUBE** synthetic rubber.
- REINFORCEMENT** High tensile textile cards, synthetic textile & filament yarn.
- COVER** Ozon & weather resistant synthetic rubber, black 14 lines. Black SBR - abrasion and ozone resistant.
- APPLICATION** For use with air compressor in mines, quarries, service stations, construction sites shipyard, manufacturing industries & general services. Compressed air designed for heavy duty application.
- TEMPERATURE** -20° C ~ +80° C

DN		OD	WP	BP	L
inch	mm	mm	bar	bar	m
1/4	6.3	13.0	20	60	100
5/16	8.0	14.0	20	60	100
3/8	9.5	16.0	20	60	100
1/2	12.7	19.0	20	60	100
5/8	16.0	26.0	20	60	100
3/4	19.0	28.0	20	60	100
1	25.4	35.0	20	60	100
1 1/4	31.8	48.0	20	60	50
1 1/2	38.1	54.0	20	60	50



 PHONEX®

EXTRUDE HOSE

SMOOTH FUEL HOSE

ISO 1402 - ISO 9001

- TUBE** Oil & fuel resistant conductive black NBR.
- REINFORCEMENT** High tensile, synthetic textile.
- COVER** Oil, weather & ozon resistant, black CR/NBR/PVC.
- APPLICATION** Petrol and diesel transfer in automotive applications, also suitable for ecodiesel, minere and grease.
- TEMPERATURE** -30° C ~ +85° C (-22° F ~ +185° F)

DN		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
5/32	4	11	20	300	60	900	100
3/16	5	12	20	300	60	900	100
1/4	6.3	12	20	300	60	900	100
5/16	8.0	14	20	300	60	900	100
3/8	9.5	16	20	300	60	900	100
1/2	12.7	19	20	300	60	900	100
5/8	16.0	24	20	300	60	900	100
3/4	19.0	28	20	300	60	900	50
7/8	22	30	20	300	60	900	50
1	25.4	35	20	300	60	900	50



 PHONEX®

EXTRUDE HOSE

TWIN WELDING HOSE

ISO 38212023

- TUBE** High ignition temperature synthetic rubber.
- REINFORCEMENT** High tensile, synthetic textile & filament yarn.
- COVER** Excellent ozon & weather resistant synthetic rubber, smooth, red: acetylene / blue: oxygen.
- APPLICATION** For use with welding & allied process in workshop, shipyards, construction sites and manufacturing industries.
- TEMPERATURE** -20° C ~ +80° C

DN		OD	WP	BP	L
inch	mm	mm	bar	bar	m
3/16+3/16	5.0+5.0	12.0+12.0	20	60	100
1/4+1/4	6.3+6.3	13.3+13.3	20	60	100
1/4+5/16	6.3+8.0	13.3+15.0	20	60	100
1/4+3/8	6.3+9.5	13.0+16.0	20	60	100
5/16+5/16	8.0+8.0	15.0+15.0	20	60	100
5/16+3/8	8.0+9.5	16.0+16.0	20	60	100
3/8+3/8	9.5+9.5	16.0+16.0	20	60	100
3/8+3/8	10.0+10.0	17.0+17.0	20	60	100



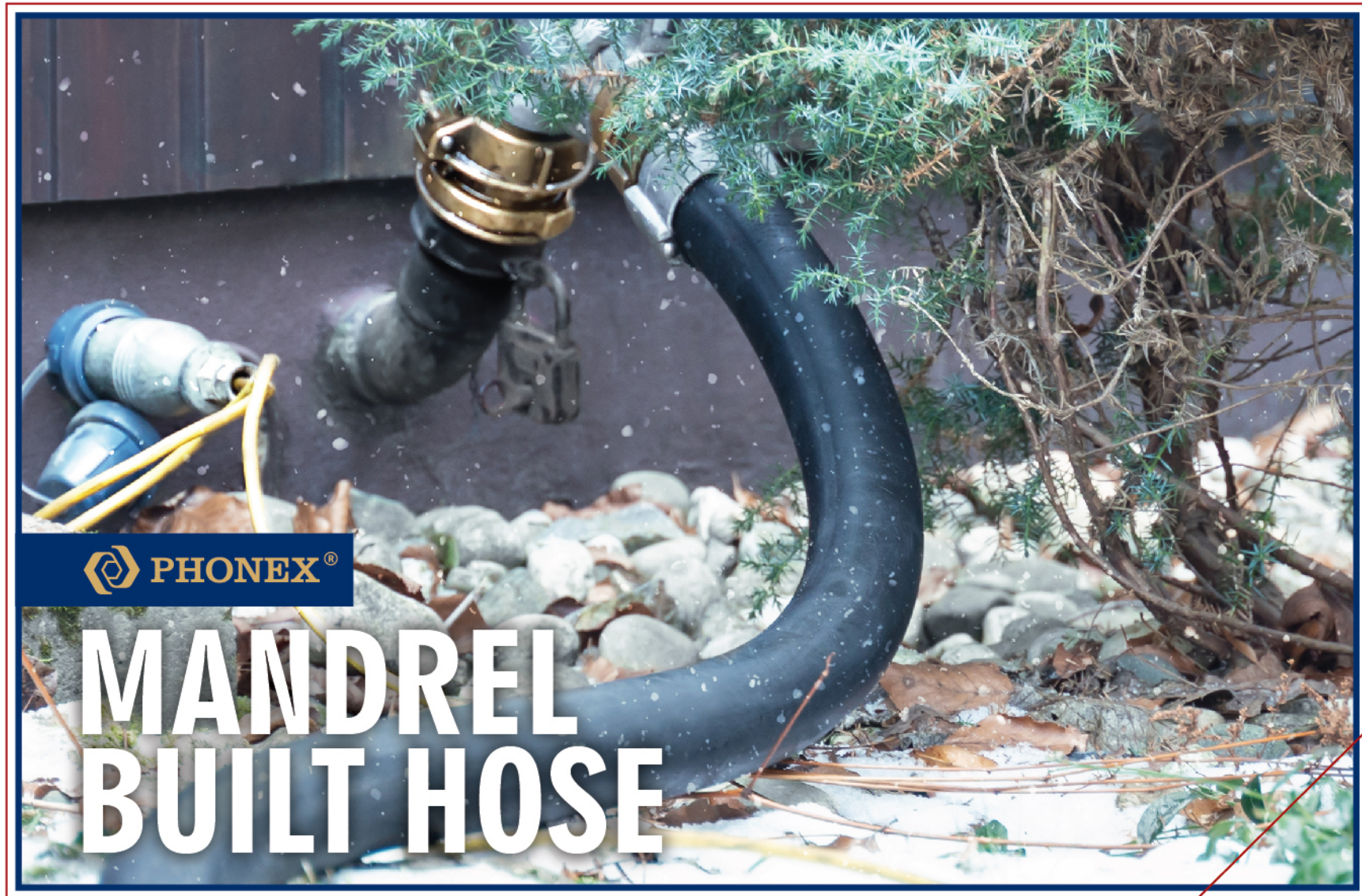
 **PHONEX®**

**MANDREL
BUILT HOSE**

MEDIUM DUTY AIR HOSE

- TUBE** Air, water & oil mist resistant smooth black SBR/NBR.
- REINFORCEMENT** High tensile synthetic.
- COVER** Abrasion, weather & ozon resistant smooth, black SBR/EPDM.
- APPLICATION** Use in construction & mining industries for pneumatic rock drills.
- TEMPERATURE** -30° C ~ +85° C (-22° F ~ +185° F)

DN		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
1/2	12.7	23	20	300	60	900	60
5/8	16.0	26	20	300	60	900	60
3/4	19.0	30	20	300	60	900	60
1	25.4	38	20	300	60	900	60
1 1/4	31.8	45	20	300	60	900	60
1 1/2	38.1	51	20	300	60	900	60
2	51	66	20	300	60	900	60
2 1/2	63	79	20	300	60	900	60
3	76	92	20	300	60	900	60
3 1/2	90	106	20	300	60	900	60
4	102	118	20	300	60	900	60
5	127	150	20	300	60	900	60
6	152	176	20	300	60	900	60



 **PHONEX®**

MANDREL BUILT HOSE

HIGH PRESSURE OIL DELIVERY HOSE

- TUBE** Oil resistant conductive black NBR.
- REINFORCEMENT** High tensile synthetic cord with antistatic copper wires.
- COVER** Oil, weather, & ozon resistant, smooth, black CR.
- APPLICATION** Used for delivery of high pressure portable water & offshore industry.
- TEMPERATURE** -20° C ~ +80° C (-22° F ~ +158° F)

DN		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
3/4	19.0	30	17	247	51	740	60
1	25.4	36	17	247	51	740	60
1 1/8	28.0	38	17	247	51	740	60
1 1/4	31.8	40	17	247	51	740	60
1 3/8	35.0	45	17	247	51	740	60
1 1/2	38.1	46	17	247	51	740	60
1 5/8	41.3	54	17	247	51	740	60
1 3/4	44.5	58	17	247	51	740	60
1 7/8	47.5	60	17	247	51	740	60
2	51.0	62	17	247	51	740	60
2 1/4	57.2	69	17	247	51	740	60
2 3/8	60.0	73	17	247	51	740	60
2 1/2	63.5	76	17	247	51	740	60
2 3/4	70.0	82	17	247	51	740	60
3	76.2	90	17	247	51	740	60
3 1/4	82.5	98	17	247	51	740	60
3 1/2	90.0	106	17	247	51	740	60
4	101.6	118	17	247	51	740	60
4 1/2	114.3	130	17	247	51	740	60



 PHONEX®

MANDREL BUILT HOSE

HIGH PRESSURE OIL SUCTION & DELIVERY HOSE

- TUBE** Oil & fuel resistant conductive black NBR.
- REINFORCEMENT** High tensile synthetic cord with helix & antistatic copper wires.
- COVER** Oil, weather, & ozon resistant, smooth, black CR.
- APPLICATION** For tank trucks, suction & discharge of petroleum product with aromatic uo 50%.
- TEMPERATURE** -20° C ~ +80° C (-22° F ~ +158° F)

DN		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
3/4	19.0	29	17	247	51	740	60
1	25.4	38	17	247	51	740	60
1 1/4	31.8	46	17	247	51	740	60
1 1/2	38.1	50	17	247	51	740	60
2	51	64	17	247	51	740	60
2 1/2	63	76	17	247	51	740	60
3	76	92	17	247	51	740	60
4	102	117	17	247	51	740	60
5	127	147	17	247	51	740	60
6	152	170	17	247	51	740	40
8	203	226	17	247	51	740	30
10	254	280	17	247	51	740	12
12	304	330	17	247	51	740	12



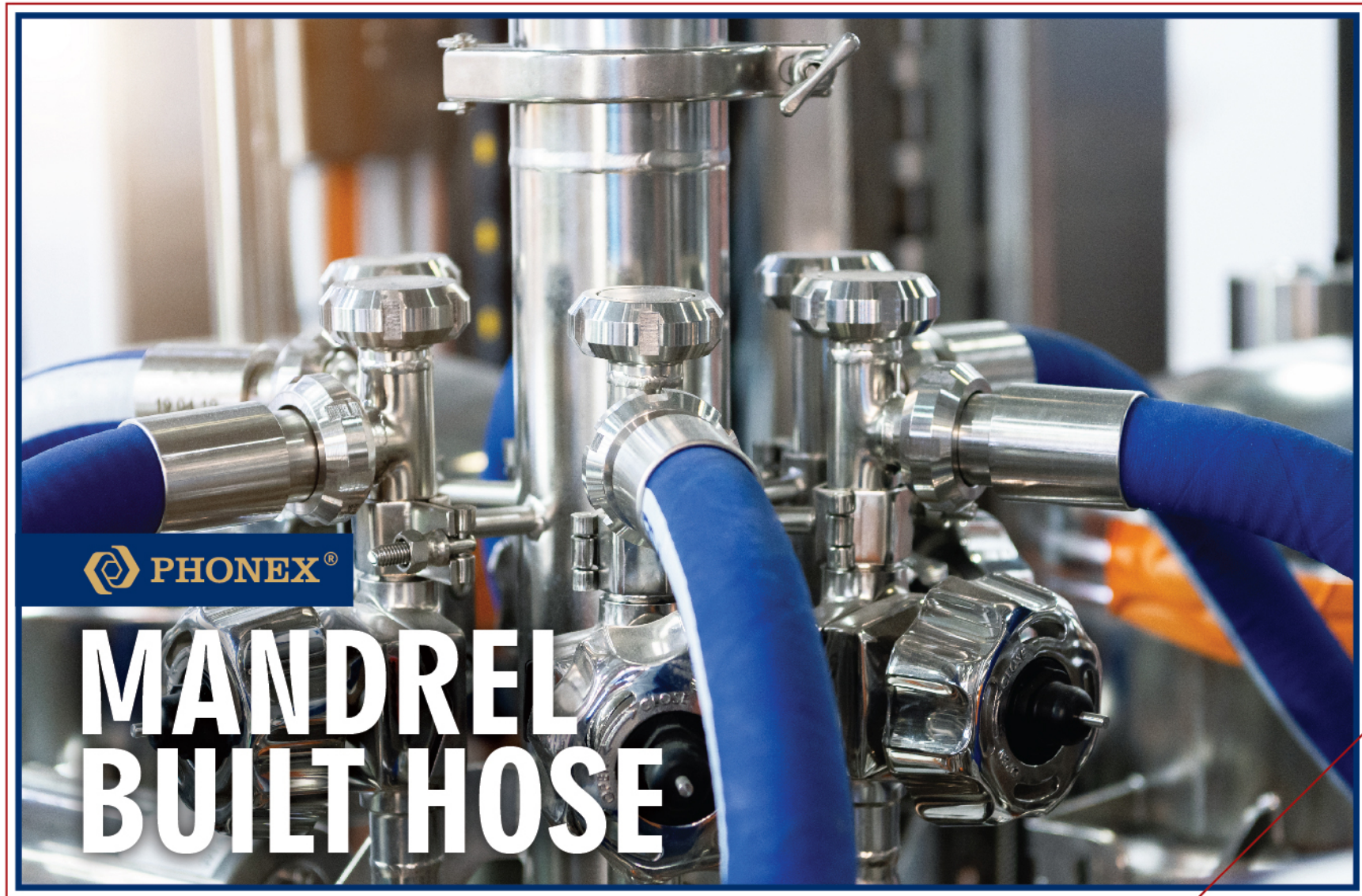
 PHONEX®

MANDREL BUILT HOSE

HEAVY DUTY BULCK FOOD DELIVERY HOSE

- TUBE** Non-toxic, food quality, abrasion resistant white NR.
- REINFORCEMENT** High tensile synthetic cord.
- COVER** Weather, ozon & abrasion resistant, smooth, blue NR/EPDM
- APPLICATION** Used for delivery of high pressure portable water & offshore industry.
- TEMPERATURE** -30° C ~ +85° C (-22° F ~ +185° F)

DN		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
1/2	12.7	22	10	150	30	450	60
3/4	19.0	30	10	150	30	450	60
1	25.4	37	10	150	30	450	60
1 1/4	31.8	45	10	150	30	450	60
1 1/2	38.1	51	10	150	30	450	60
2	51	66	10	150	30	450	60
2 1/2	63	78	10	150	30	450	60
3	76	92	10	150	30	450	60
4	102	119	10	150	30	450	40
5	127	147	10	150	30	450	40
6	152	172	10	150	30	450	40



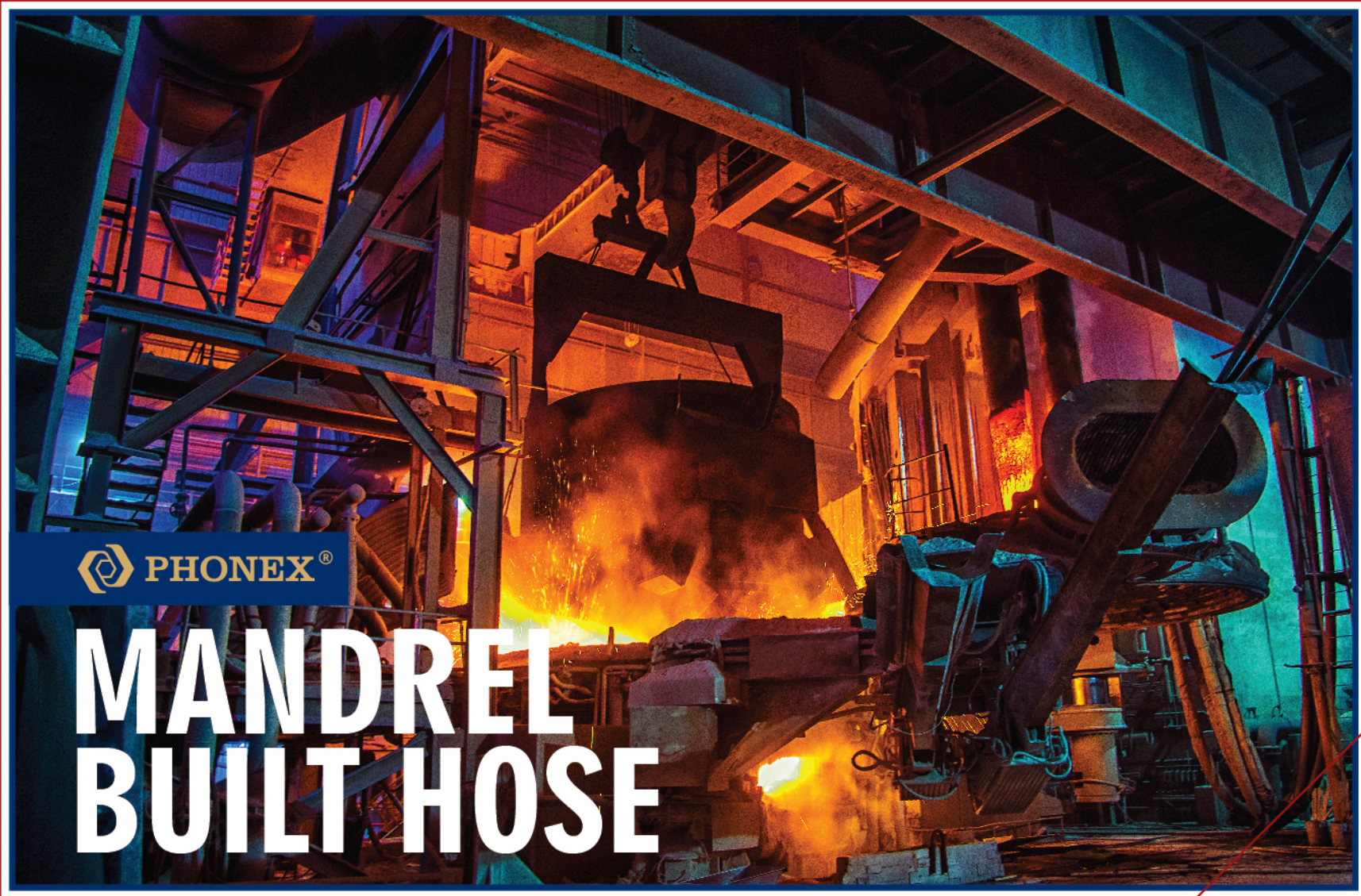
 **PHONEX®**

MANDREL BUILT HOSE

HEAVY DUTY BULCK FOOD SUCTION & DELIVERY HOSE

- TUBE** Non-toxic, food quality, abrasion resistant white NR.
- REINFORCEMENT** High tensile synthetic cord with steel wire helix.
- COVER** Weather, ozon & abrasion resistant, smooth, blue NR/EPDM
- APPLICATION** Used for delivery of high pressure portable water & offshore industry.
- TEMPERATURE** -30° C ~ +85° C (-22° F ~ +185° F)

DN		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
1/2	12.7	22	10	150	30	450	60
3/4	19.0	30	10	150	30	450	60
1	25.4	37	10	150	30	450	60
1 1/4	31.8	45	10	150	30	450	60
1 1/2	38.1	51	10	150	30	450	60
2	51	66	10	150	30	450	60
2 1/2	63	78	10	150	30	450	60
3	76	92	10	150	30	450	60
4	102	119	10	150	30	450	40
5	127	147	10	150	30	450	40
6	152	172	10	150	30	450	40



 **PHONEX®**

MANDREL BUILT HOSE

FURNACE CABLE COLANT HOSE

- TUBE** White smooth rubber with insulating properties resistant to hot water & heat.
- REINFORCEMENT** High tensile, textilepiles.
- COVER** Green insulating rubber, resistant to heat, abrasion weather & ozon. Fabric impression.
- TEMPERATURE** -40° C ~ +120° C

DN		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
3/8	9.5	20	10	150	30	450	60
1/2	12.7	24	10	150	30	450	60
3/4	19	29	10	150	30	450	60
1	25.4	36	10	150	30	450	60
1 1/4	31.8	46	10	150	30	450	60
1 1/2	38.1	49	10	150	30	450	60
2	51	66	10	150	30	450	60
2 1/2	63	77	10	150	30	450	60
3	76	93	10	150	30	450	60
3 1/3	90	108	10	150	30	450	60
4	102	120	10	150	30	450	40
5	127	147	10	150	30	450	40
6	152	179	10	150	30	450	40



 PHONEX®

MANDREL BUILT HOSE

SANDBLAST HOSE

- TUBE** High abrasion resistant conductive black NR/BR.
- REINFORCEMENT** High tensile synthetic cord with antistatic copper wire.
- COVER** weather, ozon resistant, abrasion resistant, black SBR/EPDM.
- APPLICATION** Used for sandblast & cleaning surfaces.
- TEMPERATURE** -30° C ~ +70° C (-22° F ~ +158° F)

DN		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
1/2	12.7	38	12	180	36	540	60
3/4	19.0	33	12	180	36	540	60
1	25.4	39	12	180	36	540	60
1	25.4	48	12	180	36	540	60
1 1/4	31.8	48	12	180	36	540	60
1 1/4	31.8	54	12	180	36	540	60
1 1/2	38.1	58	12	180	36	540	60
1 1/2	38.1	60	12	180	36	540	60
2	51	71	12	180	36	540	60
2	51	73	12	180	36	540	60
2 1/2	63	83	12	180	36	540	60
3	76	97	12	180	36	540	60
4	102	124	12	180	36	540	60



XLPE CHEMICAL SUCTION & DELIVERY HOSE

- TUBE** Chemical & solvent resistant translucent XLPE.
- REINFORCEMENT** High tensile synthetic cord with helix & antistatic copper wire.
- COVER** Weather, ozon & anrasion resistant, green EPDM
- APPLICATION** Used for discharge of chemical & acids. up to 99%.
- TEMPERATURE** -30° C ~ +80° C (-22° F ~ +176° F)

DN		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
3/4	19	31	12	180	36	540	60
1	25.4	37	12	180	36	540	60
1 1/4	31.8	44	12	180	36	540	60
1 1/2	38.1	51	12	180	36	540	60
2	51	65	12	180	36	540	60
2 1/2	63	79	12	180	36	540	60
3	75	92	12	180	36	540	60
4	102	118	12	180	36	540	60



 **PHONEX®**

MANDREL BUILT HOSE

STEEL STEAM HOSE

- TUBE** Seamless steam resistant black EPDM. Conductive tube.
Electrical resistance < 10 ohm/length. Low and high pressure saturated steam range.
- REINFORCEMENT** One or two high tensile steel wire braids.
- COVER** Steam, weather, ozone resistant, smooth, red EPDM. Red EPDM cover hose electrically conductive and suitable to be used in potentially explosive environments.
ISO 6134 compliant products class A and B (Oil resistant cover)
- APPLICATION** Saturated steam.
- TEMPERATURE** -30° C ~ +208° C (-22° F ~ +400° F) - 230° C

DN		OD	WP		BP		L
inch	mm	mm	bar	psi	bar	psi	mt
1/2	12.7	25	17	250	51	740	61
5/8	16.0	29	17	250	51	740	61
3/4	19.0	33	17	250	51	740	61
1	25.4	40	17	250	51	740	61
1 1/4	31.8	48	17	250	51	740	61
1 1/2	38.1	55	17	250	51	740	61
2	51	66	17	250	51	740	61
2 1/2	63	80	17	250	51	740	61
3	76	94	17	250	51	740	61
4	102	123	17	250	51	740	61








 PHONEX®

STAINLESS STEEL HOSE

SINGLE BRAID

STANDARDS We are following EN ISO 10380 for stainless steel corrugated flexible hoses.
HOSE MATERIAL Stainless steel.
BRAIDING MATERIAL Stainless steel AISI 304, AND 316 L
SUITABLE FITTING TYPES Threaded ends welded connections Flanges as per customer specifications.

								
			WITHOUT BRAID	WIT ONE BRAID		DYNAMIC	STATIC	
DN	mm	inch	mm	mm	bar	mm	mm	kg/m
6	6.2	1/4	9.6	10.7	120	85	25	0.149
8	8.2	5/16	12.1	13.5	100	125	32	0.166
10	10.3	3/8	14.3	15.5	90	140	38	0.214
12	12.2	1/2	16.7	18.0	80	140	45	0.240
16	16.2	5/8	21.6	23.0	70	160	58	0.400
20	20.2	3/4	26.8	28.3	64	170	70	0.494
25	25.4	1	32.2	33.5	50	190	85	0.628
32	34.3	1 1/4	41.4	42.8	40	260	105	0.847
40	40.1	1 1/2	49.5	51.5	35	300	130	1.172
50	50.3	2	60.3	62.5	30	320	160	1.606
65	65.6	2 1/2	81.0	83.0	24	410	180	1.984
80	80.3	3	95.0	97.0	18	450	200	2.154
100	100.8	4	117.0	119.0	16	560	290	3.001
125	125.4	5	150.0	152.5	14	710	325	4.887
150	150.8	6	175.0	177.5	10	815	380	5.705
200	197.0	8	225.0	228.0	8	1015	500	9.150



WWW.PHONEXHOSE.COM
INFO@PHONEXHOSE.COM