

1.1	<i>Hose</i>	2
1.2	<i>Fittings</i>	31
1.3	<i>Adaptors</i>	73
1.4	<i>Quick Release Couplings</i>	147
1.5	<i>Ball & Gate Valves</i>	155
1.6	<i>Control Valves</i>	161
1.7	<i>Fluid Monitoring</i>	181
1.8	<i>Filtration</i>	227
1.9	<i>Pumps & Motors</i>	245
1.10	<i>Seals & Seal Kits</i>	285

Pirtek is the market leader for quality and performance in the supply of fluid transfer solutions. Pirtek's comprehensive range of hydraulic hose are suitable for industrial and mobile plant applications and has been developed to withstand the most aggressive environments in which high or low temperature and arduous conditions where product longevity is put to the test.

Within each product line, the hose specifications cover low pressure wire braid hose through to ultra high impulse spiral hose. Each product is defined by international standards including DIN, EN, ISO and SAE norms.

In addition, a range of high-performance constant working pressure hoses are available. These hoses fall into the ISOBAR standard SAE 1754/B. Each hose type offers constant working pressure, irrespective of the hose bore size in the following ratings PFM25 (250bar) PFM35 (350bar) and PFM42 (420bar). Hose identification is by working pressure instead of construction allowing easy product selection.

Hoses are approved by:

American Bureau of Shipping
Bureau Veritas
Chartoonage De France
Ddr Shifts Revision and Classification
Det Norske Veritas
Germanischer Lloyds
Landeso Berbergamt (LOBA)
Lloyds Register of Shipping
Ministero Della Marina Mercantile
MSHA (U.S.A)
US Coast Guard
National Coal Board (UK)
Polski Register Statkow
Registro Navale Italiano
Defence Standard 47/2 (M.O.D)

PRODUCT INDEX

1.1

	Series	Page		Series	Page		Series	Page
	PFM25	4		100R6	9		3130	14
	PFM35	4		3006	10		37NC	15
	PFM35S	4		3007	10		3DHO	15
	PFM42	5		100R3	10		3DHO	15
	100R1A	6		100R5HT	11		3700	16
	100R1AT	6		DIN1SN	11		3770	16
	100R1ATH	6		DIN1ST	11		377C	16
	100R2A	7		100R9R	12		3500	17
	100R2AT	7		DIN4SP	12		3500	17
	100R2ATH	7		100R12	12		3800	17
	100BR2	8		100R13	13		3840	18
	BRK2	8		100CS3	13		3880	18
	100TR2	8		100CS5	13		100R8HP	18
	DIN2ST	9		DIN4SH	14		3888	19
	DIN2SN	9		100BLP	14		3890	19

PRODUCT INDEX

	Series	Page		Series	Page		Series	Page
	100TWB	19		HTP21K	24		SGX	29
	100TWB1	20		HTP21G	25		ABR	30
	100MTH1	20		HTP40B	25		TEXS-N	30
	100MTH1	20		HTP40K	25			30
	3200	21		HTP40G	26			
	3490	21		100STH	26			
	APS	21		100SCV	26			
	3450	22		100CSH	27			
	100S4	22		100CSC	27			
	100R4	22		100PCV	27			
	100GPL	23		FCS	28			
	HTP15B	23		PBS	28			
	HTP15K	23		FCS	28			
	HTP15G	24		PFS	29			
	HTP21B	24		FJI	29			

For Technical Data please see Section 9

1.
1

PFM 250 Bar Braided Hose



ISOBAR Hose
SAE J1754/B

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
PFM25-04	04	1/4	6.5	12.7	250	100	0.18
PFM25-05	05	5/16	8.0	14.4	250	110	0.22
PFM25-06	06	3/8	9.5	16.9	250	125	0.28
PFM25-08	08	1/2	13.0	19.7	250	180	0.37
PFM25-10	10	5/8	16.0	24.9	250	240	0.58
PFM25-12	12	3/4	19.0	28.6	250	280	0.80
PFM25-16	16	1	25.0	36.6	250	360	1.21

Construction

Inner Tube - Seamless black synthetic rubber.

Reinforcement - One or two braids of high-tensile steel wire.

Temperature Range - From - 40 °C up to +120°C.

Cover - Black synthetic rubber, resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. Hose specification exceeds SAE J 517 -100R1AT DIN 20022 1SN,EN 853 1SN, ISO 1436 and SAEJ 1754/B. Also available with MSHA accepted cover and USCG SAE 1942 Approval. Please specify PFMU for these applications.

PFM 350 Bar Braided Hose



ISOBAR Hose
SAE J1754/B

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
PFM35-04	04	1/4	6.5	14.1	350	75	0.25
PFM35-05	05	5/16	7.7	15.7	350	165	0.35
PFM35-06	06	3/8	9.5	18.0	350	90	0.43
PFM35-08	08	1/2	13.0	21.4	350	130	0.59
PFM35-10	10	5/8	15.5	26.2	350	250	0.82
PFM35-12	12	3/4	18.6	31.0	350	310	1.33
PFM35-16	16	1	25.0	38.0	350	360	1.60

Construction

Inner Tube - Seamless black synthetic rubber.

Reinforcement - Two braids of high-tensile steel wire.

Temperature Range - From - 40 °C up to +120°C.

Cover - Black synthetic rubber, resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. Hose specification exceeds SAE J 517 SAEJ 1754/B. Also available with MSHA accepted cover and USCG SAE 1942 Approval. Please specify PFMU for these applications.

PFM 350 Bar Spiral Hose



ISOBAR Hose
SAE J1754/B

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
PFM35S-12	12	3/4	18.7	31.4	350	310	1.25
PFM35S-16	16	1	25.0	39.0	350	360	1.90
PFM35S-20	20	1 1/4	31.4	47.1	350	420	2.55
PFM35S-24	24	1 1/2	37.7	58.8	350	510	4.65
PFM35S-32	32	2	50.4	72.7	350	635	6.90

Construction

Inner Tube - Seamless black synthetic rubber,

Reinforcement - Four layers (up to 1 1/4"). Six layers (1 1/2"- 2") of alternated, spiralled, high-tensile steel wire.

Temperature Range - From - 40 °C up to +120°C.

Cover - Black synthetic rubber, resistant to abrasion, oil, Ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. Hose specification exceeds EN 856 R13 and SAE J 517 (100R13)and SAEJ 1754/B. Also available with MSHA accepted cover and USCG SAE 1942 Approval. Please specify PFMU for these applications.

Construction

Inner Tube - Seamless black synthetic rubber.

Reinforcement - Four layers (up to 1).

Six layers (1¼"- 2") of alternated, spiralled, high-tensile steel wire.

Temperature Range - From - 40 °C up to +120°C.

Cover - Black synthetic rubber, resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. Hose specification exceeds

SAE J 517 (100R15) and SAEJ 1754/B.

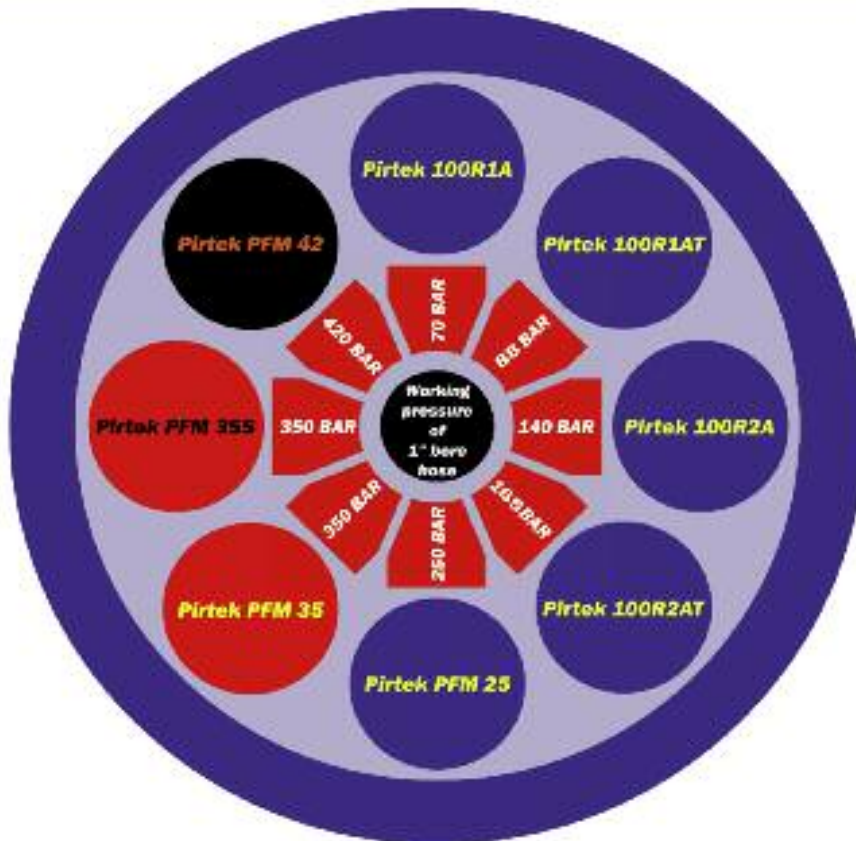


ISOBAR Hose
SAE J1754/B

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
PFM42-04	04	¼	6.5	13.9	420	120	0.64
PFM42-06	06	⅜	9.5	22.2	420	130	0.73
PFM42-08	08	½	13.0	25.4	420	180	0.89
PFM42-10	10	⅝	15.5	29.3	420	240	1.10
PFM42-12	12	¾	19.0	31.4	420	280	1.50
PFM42-16	16	1	25.0	39.8	420	360	2.30
PFM42-20	20	1¼	32.0	51.3	420	445	3.70
PFM42-24	24	1½	38.0	58.8	420	530	4.65
PFM42-32	32	2	51.0	73.5	420	700	7.00

1.
1

PIRTEK HYDRAULIC HOSES



Bore Size	Size (dash)	PIRTEK HOSE WORKING PRESSURE IN BAR AT A 4:1 SAFETY FACTOR							
		SAE 100R1A	SAE 100R1AT	SAE 100R2A	SAE 100R2AT	PFM25	PFM35	PFM35S	PFM42
¼"	04	190	190	345	345	250	350	N/A	420
⅜"	06	155	155	275	275	250	350	N/A	420
½"	08	140	140	240	240	250	350	N/A	420
⅝"	10	105	105	190	190	250	350	N/A	420
¾"	12	85	85	155	155	250	350	350	420
1"	16	70	88	140	165	250	350	350	420
1-¼"	20	45	45	110	110	N/A	N/A	350	420
1-½"	24	35	35	85	85	N/A	N/A	350	420
2"	32	26	26	80	80	N/A	N/A	350	420

SAE 100R1A - Single Wire Hose



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R1A-03	03	3/16	5.0	13.5	205	85	0.22
100R1A-04	04	1/4	6.5	16.7	190	95	0.31
100R1A-05	05	5/16	8.0	18.3	170	100	0.38
100R1A-06	06	3/8	9.5	20.6	155	110	0.45
100R1A-08	08	1/2	13.0	23.8	140	160	0.55
100R1A-10	10	5/8	16.0	27.0	105	180	0.63
100R1A-12	12	3/4	19.0	31.0	85	220	0.77
100R1A-16	16	1	25.0	39.3	70	275	1.06
100R1A-20	20	1 1/4	32.0	47.6	45	395	1.45
100R1A-24	24	1 1/2	38.0	54.0	35	485	1.80
100R1A-32	32	2	51.0	68.3	26	610	2.30

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - One special braid of high-tensile steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black synthetic rubber, resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure.

Hose specification exceeds

SAE J 517 100 R1A ISO 1436.

SAE 100R1AT - Single Wire Hose Non Skive



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R1AT-03	03	3/16	5.0	11.5	250	85	0.17
100R1AT-04	04	1/4	6.5	13.0	225	100	0.20
100R1AT-05	05	5/16	8.0	14.7	215	115	0.25
100R1AT-06	06	3/8	9.5	17.0	180	130	0.32
100R1AT-08	08	1/2	13.0	20.1	160	180	0.42
100R1AT-10	10	5/8	16.0	23.2	130	200	0.48
100R1AT-12	12	3/4	19.0	27.2	105	240	0.61
100R1AT-16	16	1	25.0	35.1	88	300	0.91
100R1AT-20	20	1 1/4	32.0	42.8	63	420	1.20
100R1AT-24	24	1 1/2	38.0	49.6	50	500	1.50
100R1AT-32	32	2	51.0	62.5	40	630	2.00

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - One special braid of high-tensile steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black synthetic rubber, resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working

pressure. Hose specification exceeds

SAE J 517 100 R1AT ISO 1436 DIN 20022 1SN EN 853 1SN.

100 RIAT - High Temperature Single Wire Hose



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R1ATHT-03	03	3/16	5.0	11.5	250	85	0.17
100R1ATHT-04	04	1/4	6.5	13.0	225	100	0.20
100R1ATHT-05	05	5/16	8.0	14.7	215	115	0.25
100R1ATHT-06	06	3/8	9.5	17.0	180	130	0.32
100R1ATHT-08	08	1/2	13.0	20.1	160	180	0.42
100R1ATHT-10	10	5/8	16.0	23.2	130	200	0.48
100R1ATHT-12	12	3/4	19.0	27.2	105	240	0.61
100R1ATHT-16	16	1	25.0	35.1	88	300	0.91
100R1ATHT-20	20	1 1/4	32.0	42.8	63	420	1.20
100R1ATHT-24	24	1 1/2	38.0	49.6	50	500	1.50
100R1ATHT-32	32	2	51.0	62.5	40	630	2.00

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - One special braid of high-tensile steel wire.

Temperature Range - From -40°C up to 150°C. Discontinuous except air not higher than 121°C.

Cover - Blue synthetic rubber, resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working

pressure. Hose specification exceeds

SAE J 517 100 R1AT ISO 1436.

SAE 100R2A - Double Wire Hose

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Two braids of high-tensile steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black synthetic rubber, resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure.

Hose specification exceeds SAE J 517 100 R2A ISO 1436.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R2A-03	03	3/16	5.0	16.7	345	85	0.37
100R2A-04	04	1/4	6.5	18.3	345	95	0.42
100R2A-05	05	5/16	8.0	19.8	295	100	0.51
100R2A-06	06	3/8	9.5	22.2	275	110	0.60
100R2A-08	08	1/2	13.0	25.4	240	160	0.74
100R2A-10	10	5/8	16.0	28.6	190	180	0.86
100R2A-12	12	3/4	19.0	32.5	155	220	1.04
100R2A-16	16	1	25.0	40.9	140	275	1.42
100R2A-20	20	1 1/4	32.0	52.4	110	395	2.23
100R2A-24	24	1 1/2	38.0	58.7	85	485	2.74
100R2A-32	32	2	51.0	71.4	80	610	3.50

1.
1

SAE 100R2AT - Double Wire Hose Non Skive

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Two braids of high-tensile steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black synthetic rubber, resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. Hose specification exceeds

SAE J 517 100 R2AT ISO 1436 DIN 20022 2SN EN 853 2SN.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R2AT-03	03	3/16	5.0	13.5	415	90	0.32
100R2AT-04	04	1/4	6.5	15.0	400	100	0.36
100R2AT-05	05	5/16	8.0	16.7	350	115	0.45
100R2AT-06	06	3/8	9.5	18.8	330	130	0.54
100R2AT-08	08	1/2	13.0	21.8	275	180	0.68
100R2AT-10	10	5/8	16.0	24.8	250	200	0.80
100R2AT-12	12	3/4	19.0	28.9	215	240	0.94
100R2AT-16	16	1	25.0	37.5	165	300	1.35
100R2AT-20	20	1 1/4	32.0	47.3	125	420	2.15
100R2AT-24	24	1 1/2	38.0	53.5	90	500	2.65
100R2AT-32	32	2	51.0	66.8	80	630	3.42

SAE 100R2AT - High Temperature - Double Wire Hose

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Two braids of high-tensile steel wire.

Temperature Range - From -40°C up to +150°C discontinuous except air not higher than 121°C.

Cover - Blue synthetic rubber, resistant to abrasion, oil, ozone and weathering MSHA approved.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure.

Hose specification exceeds SAE J 517 100 R2AT ISO 1437 DIN 20022 2SN EN 853 2SN.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R2ATHT-03	03	3/16	5.0	13.4	415	90	0.30
100R2ATHT-04	04	1/4	6.5	15.0	400	100	0.36
100R2ATHT-05	05	5/16	8.0	16.6	350	115	0.45
100R2ATHT-06	06	3/8	9.5	19.0	330	130	0.53
100R2ATHT-08	08	1/2	13.0	22.2	275	180	0.62
100R2ATHT-10	10	5/8	16.0	25.4	250	200	0.73
100R2ATHT-12	12	3/4	19.0	29.3	215	240	0.93
100R2ATHT-16	16	1	25.0	38.1	165	300	1.38
100R2ATHT-20	20	1 1/4	32.0	48.3	125	420	1.67
100R2ATHT-24	24	1 1/2	38.0	54.3	90	500	2.30
100R2ATHT-32	32	2	51.0	67.0	80	630	3.16

EN857 2SC Twin-Line - Double Wire Hose



Construction

Inner Tube- Seamless black NBR (nitrite) rubber, oil resistant.

Reinforcement - Two braids of high-tensile steel wire.

Temperature Range - From -40°C up to +100°C constant and +120°C intermittent. Max temperature limits for water, water/oil emulsions and water/glycol solutions on pressure lines +95°C on return lines +85°C.

Cover - Black CR (Chloroprene) rubber, resistant to abrasion.

Application

Hose range suitable to carry biodegradable hydraulic fluids like synthetic esters, polyglycols, vegetable/Mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. Hose specification conforms to EN 857 2SC.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100BR2-06-06	06	3/8	9.5	17.7	330	90	86
100BR2-08-08	08	1/2	13.0	20.8	275	125	125

BRK2 - Double Wire Hose Assembly

Construction

Inner Tube - 1/2 bore seamless black synthetic rubber, oil resistant rubber.

Reinforcement - Two braids of high-tensile steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black CR (chloroprene) rubber, resistant to abrasion, oils, ozone and weathering. Fittings - 3/8 BSPP male terminations at both ends. Complete with Flat Faced Q R Male and Female couplings.

Fittings - 3/8 BSPP male terminations at both ends. Complete with flat faced Q R male and female couplings. Assembly length 7 metres. This assembly is used with 7000 series flat face quick release couplings. See section 23 for the complete range or Pirtek quick release couplings.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. Hose specification exceeds SAE J 517 100R2AT DIN 20022 2SN, EN 853 2SN, ISO 1436.

For use on hydraulic breakers and hammers.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
BRK2-08	08	1/2	13.0	20.8	275	125	1.04

TRAPPER - Double Wire Hose



Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Two special braids of high resistant steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black synthetic rubber, resistant to abrasion, oils, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, fuels hydrocarbons, etc. This range is particularly designed for applications where minimum bend radius, external dimensions (same as one wire braid SAE/DIN hoses) and working pressures (higher than any other two wire SAE/DIN hoses) are of basic importance. Burst pressure exceeds four times working pressure. Hose specification exceeds EN 857 2SC, SAE J 517 100R16 ISO 11237 type 2.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100TR2-04	04	1/4	6.5	13.5	400	75	0.30
100TR2-05	05	5/16	8.0	15.2	375	85	0.35
100TR2-06	06	3/8	9.5	17.5	350	90	0.43
100TR2-08	08	1/2	13.0	20.8	300	130	0.58
100TR2-10	10	5/8	16.0	23.8	275	170	0.68
100TR2-12	12	3/4	19.0	27.3	235	200	0.80
100TR2-16	16	1	25.0	35.3	185	250	1.20
100TR2-20	20	1 1/4	32.0	43.1	165	370	1.70

DIN 20022 2ST - Double Wire Hose

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Two braids of high-tensile steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black synthetic rubber, resistant to abrasion, oils, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. Hose specification DIN 20022 2ST, EN 853 2ST, ISO 1436.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
DIN2ST-05	05	3/16	5.0	16.7	415	90	0.37
DIN2ST-06	06	1/4	6.5	18.3	400	100	0.42
DIN2ST-08	08	5/16	8.0	19.9	350	115	0.51
DIN2ST-10	10	3/8	9.5	22.2	330	130	0.60
DIN2ST-12	12	1/2	13.0	25.4	275	180	0.74
DIN2ST-16	16	5/8	16.0	28.6	250	200	0.86
DIN2ST-20	20	3/4	19.0	32.6	215	240	1.04
DIN2ST-25	25	1	25.0	40.9	165	300	1.42
DIN2ST-32	32	1 1/4	32.0	52.4	125	420	2.23
DIN2ST-40	40	1 1/2	38.0	58.8	90	500	2.74
DIN2ST-50	50	2	51.0	71.4	80	630	3.50

1.
1

DIN 20022 2SN - Double Wire Hose

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Two braids of high-tensile steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black synthetic rubber, resistant to abrasion, oils, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. Hose specification exceeds SAE J 517 100R2AT DIN 20022 2SN, EN 853 2SN, ISO 1436.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
DIN2SN-05	05	3/16	5.0	13.5	415	90	0.30
DIN2SN-06	06	1/4	6.5	15.0	400	100	0.36
DIN2SN-08	08	5/16	8.0	16.7	350	115	0.41
DIN2SN-10	10	3/8	9.5	18.8	330	130	0.52
DIN2SN-12	12	1/2	13.0	21.8	275	180	0.62
DIN2SN-16	16	5/8	16.0	24.8	250	200	0.73
DIN2SN-20	20	3/4	19.0	28.9	215	240	0.94
DIN2SN-25	25	1	25.0	37.5	165	300	1.35
DIN2SN-32	32	1 1/4	32.0	47.3	125	420	2.00
DIN2SN-40	40	1 1/2	38.0	53.5	90	500	2.30
DIN2SN-50	50	2	51.0	66.8	80	630	3.00

SAE 100R6 Single Rayon Braid Hose

Construction

Inner Tube - Seamless black NBR rubber, oil resistant.

Reinforcement - One textile braid.

Temperature Range - From -40°C up to +100°C.

Cover - Black NBR rubber, resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable for applications including low pressure hydraulic oil lines, and pneumatic lines. Will handle petroleum base hydraulic fluids, air, water, diesel fuels and lubricating oils. Hose specification conforms with SAE J 517 100R6.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R6-03	03	3/16	5.0	11.0	34	60	0.10
100R6-04	04	1/4	6.5	12.7	28	63	0.16
100R6-05	05	5/16	8.0	14.3	28	75	0.19
100R6-06	06	3/8	9.5	15.9	28	75	0.22
100R6-08	08	1/2	13.0	19.8	28	100	0.30
100R6-10	10	5/8	16.0	23.0	24	125	0.37
100R6-12	12	3/4	19.0	27.0	21	150	0.47
100R6-16	16	1	25.0	35.0	20	200	0.74

INSTA-GRIP Hose



Construction

Inner Tube - Chemgum, RMA Class A (High Oil Resistance).

Reinforcement - Braided (1) high strength synthetic yarn laid at an angle for strength and coupling holding ability.

Temperature Range - From -40°C up to +93.3°C.

Cover - Black, Green, Blue, Red, Grey (others available). Oil, weather and abrasion resistant synthetic rubber, Chemgum, RMA Class A (high oil resistance).

Application

For use with push-on fittings at maximum working pressure of 300psi. For low pressure hydraulic pneumatic systems such as robotics, shop air systems, general industrial, maintenance and automotive applications.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3006-04	04	1/4	6.35	12.7	300	64	0.10
3006-06	06	3/8	9.53	16.1	300	76	0.15
3006-08	08	1/2	12.70	19.1	300	127	0.16
3006-10	10	5/8	15.88	23.1	300	152	0.27
3006-12	12	3/4	19.05	26.2	300	178	0.36

INSTA-GRIP 1 Hose



Construction

Inner Tube - Seamless, oil and heat resistant Chemgum, RMA Class A (High Oil Resistance).

Reinforcement - Braided (1) high strength synthetic yarn laid at an angle for strength and coupling holding ability.

Temperature Range - From -40°C up to +93.3°C.

Cover - Black, rubber impregnated textile braid, mildew and oil resistance.

Application

For use with push-on fittings at maximum working pressure of 300psi. For low pressure hydraulic pneumatic systems such as robotics, shop air systems, general industrial, maintenance and automotive applications.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3007-04	04	1/4	6.35	12.7	300	64	0.12
3007-06	06	3/8	9.53	17.0	300	76	0.16
3007-08	08	1/2	12.70	19.3	300	127	0.22
3007-10	10	5/8	15.88	23.5	300	152	0.31
3007-12	12	3/4	19.05	26.8	300	178	0.36

SAE 100R3 Twin Rayon Braid Hose



Construction

Inner Tube - Black synthetic rubber, oil resistant.

Reinforcement - Two braids of textile fibre.

Temperature Range - From -40°C up to +100°C (125°C discontinuous).

Cover - Black synthetic rubber, resistant to abrasion, oil, fuel and weathering.

Application

Hose range suitable for applications including MEDIUM pressure hydraulic oil lines, and pneumatic lines. Will handle petroleum base hydraulic fluids, air, water, diesel fuels and lubricating oils. Hose specification meets or exceeds the requirements of SAE J 517 100R3 EN 854 R3.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R3-03	03	3/16	5.0	12.8	103	75	0.15
100R3-04	04	1/4	6.5	14.4	86	75	0.19
100R3-05	05	5/16	8.0	17.6	83	100	0.26
100R3-06	06	3/8	9.5	19.0	78	100	0.30
100R3-08	08	1/2	13.0	23.8	69	125	0.42
100R3-10	10	5/8	16.0	27.0	60	140	0.50
100R3-12	12	3/4	19.0	31.7	52	150	0.65
100R3-16	16	1	25.0	38.0	39	200	0.82
100R3-20	20	1 1/4	32.0	44.8	26	255	0.95

SAE 100R5HT (High Temperature) Single Wire Textile Cover Hose

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - One blue textile braid and one braid of high-tensile steel wire.

Temperature Range - From -40°C up to +150°C.

Cover - blue textile cover, resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable to carry mineral and vegetable oils, aqueous emulsions, water, air and inert gases. Burst pressure exceeds four times working pressure. Hose specification SAE 100R5, SAE J1402.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R5HT-04	04	3/16	4.8	13.2	207	76	0.22
100R5HT-05	05	1/4	6.4	14.8	207	86	0.26
100R5HT-06	06	5/16	7.9	17.1	155	102	0.31
100R5HT-08	08	13/32	10.3	19.5	138	117	0.36
100R5HT-10	10	1/2	12.7	23.4	121	140	0.53
100R5HT-12	12	5/8	15.9	27.4	103	165	0.65
100R5HT-16	16	7/8	22.2	31.3	55	187	0.63
100R5HT-20	20	1 1/8	28.6	38.0	43	229	0.90
100R5HT-24	24	1 3/8	34.9	44.5	34	267	1.00
100R5HT-32	32	1 13/16	46.0	56.4	24	337	1.48

EN 853 - DIN 20022 1SN - SAE 100R1AT DIN 1 SN - Single Wire Hose

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - One braid of high-tensile steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black synthetic rubber, resistant to abrasion, oils, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. Hose specification exceeds SAE J 517 100R1AT DIN 20022 1SN, EN 853 1SN, ISO 1436.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
DIN1SN-06	06	1/4	6.5	13.0	225	100	0.20
DIN1SN-08	08	5/16	8.0	14.7	215	115	0.25
DIN1SN-10	10	3/8	9.5	17.0	180	130	0.32
DIN1SN-12	12	1/2	13.0	20.1	160	180	0.42
DIN1SN-16	16	5/8	16.0	23.2	130	200	0.48
DIN1SN-20	20	3/4	19.0	27.2	105	240	0.61
DIN1SN-25	25	1	25.0	35.1	88	300	0.91
DIN1SN-32	32	1 1/4	32.0	42.8	63	420	1.20
DIN1SN-40	40	1 1/2	38.0	49.6	50	500	1.50
DIN1SN-50	50	2	51.0	62.5	40	630	2.00

EN 853 - DIN 20022 1ST - SAE 100R1 A DIN 1 ST - Single Wire Hose

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - One braid of high-tensile steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black synthetic rubber, resistant to abrasion, oils, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. Hose specification meets or exceeds SAE J 517 100R1A. DIN 20022 1ST, EN 853 1ST.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
DIN1ST-05	05	3/16	5.0	12.7	250	85	0.20
DIN1ST-06	06	1/4	6.5	15.9	225	100	0.30
DIN1ST-08	08	5/16	8.0	17.5	215	115	0.36
DIN1ST-10	10	3/8	9.5	19.8	180	130	0.42
DIN1ST-12	12	1/2	13.0	23.0	160	180	0.52
DIN1ST-16	16	5/8	16.0	26.2	130	200	0.61
DIN1ST-20	20	3/4	19.0	30.2	105	240	0.76
DIN1ST-25	25	1	25.0	38.1	88	300	1.05
DIN1ST-32	32	1 1/4	32.0	46.0	63	420	1.42
DIN1ST-40	40	1 1/2	38.0	52.4	50	500	1.72
DIN1ST-50	50	2	51.0	66.7	40	630	2.45

100 R9/R Four Spiral Hose



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R9R-04	04	¼	6.5	17.8	500	120	0.64
100R9R-06	06	⅜	9.5	20.6	445	130	0.73
100R9R-08	08	½	13.0	23.8	415	180	0.89
100R9R-10	10	⅝	16.0	27.6	390	225	1.10
100R9R-12	12	¾	19.0	31.4	350	280	1.50
100R9R-16	16	1	25.0	38.8	310	355	1.90
100R9R-20	20	1¼	32.0	47.0	280	460	3.00
100R9R-24	24	1½	38.0	53.1	260	560	3.40
100R9R-32	32	2	51.0	66.5	210	710	4.35

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Four layers of alternated, spiralled, high-tensile steel wire over a layer of fabric.

Temperature Range - From -40°C up to +100°C. with peaks up to +120°C.

Cover - Black synthetic rubber, resistant to abrasion, oils, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. This range is particularly designed for hydraulic applications where pulsating pressure and flexibility are requested.

DIN 20023-4 SP EN 856 4SP - Four Spiral Hose



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
DIN4SP-06	04	¼	6.5	17.8	450	150	0.64
DIN4SP-10	06	⅜	9.5	20.6	445	180	0.75
DIN4SP-12	08	½	13.0	23.8	415	230	0.89
DIN4SP-16	10	⅝	16.0	27.6	350	250	1.10
DIN4SP-20	12	¾	19.0	31.4	350	300	1.50
DIN4SP-25	16	1	25.0	38.8	280	340	2.00
DIN4SP-32	20	1¼	32.0	50.8	210	460	3.10
DIN4SP-40	24	1½	38.0	57.2	185	560	3.65
DIN4SP-50	32	2	51.0	69.8	165	660	4.95

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Four layers of alternated, spiralled, high-tensile steel wire over a layer of fabric.

Temperature Range - From -40°C up to +100°C.

Cover - Black synthetic rubber, resistant to abrasion, oils, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. This range is particularly designed for hydraulic applications where high degree of realibility is requested. Hose specification meets or exceeds requirements of DIN 20023 4SP, SAE J 517 100 R10, EN 856 4SP.

SAE 100 R12 EN 856 - Four Spiral Hose



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R12-06	06	⅜	9.5	20.0	275	125	0.70
100R12-08	08	½	13.0	23.1	275	180	0.81
100R12-10	10	⅝	16.0	26.6	275	203	1.00
100R12-12	12	¾	19.0	30.1	275	240	1.25
100R12-16	16	1	25.0	37.6	275	305	1.80
100R12-20	20	1¼	32.0	47.1	205	420	2.80
100R12-24	24	1½	38.0	53.1	170	510	3.20
100R12-32	32	2	51.0	66.6	170	635	4.10

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Four layers of alternated, spiralled, high-tensile steel wire over a layer of fabric.

Temperature Range - From -40°C up to +120°C.

Cover - Black synthetic rubber, resistant to abrasion, oils, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. This range is particularly designed for applications where flexibility and high temperature are requested. Hose specification meets or exceeds requirements of SAE J 517 100 R12, EN 856 R12

SAE 100 R13 EN 856 - Four or Six Spiral Hose

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Four layers (1"), six layers (1 1/4"- 2") of alternated, spiralled, high-tensile steel wire over a layer of fabric.

Temperature Range - From -40°C up to +120°C.

Cover - Black synthetic rubber, resistant to abrasion, oils, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure. This range is particularly designed for applications where high pulsating pressure, flexibility and high temperature resistance are requested. Hose specifications meets or exceeds requirements of SAE J 517 100 R13, EN 856 R13.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R13-08	08	1/2	13.0	26.1	520	205	1.25
100R13-12	12	3/4	19.0	31.4	350	240	1.50
100R13-16	16	1	25.0	38.6	350	305	2.20
100R13-20	20	1 1/4	32.0	49.6	350	420	3.70
100R13-24	24	1 1/2	38.0	56.5	350	510	4.75
100R13-32	32	2	51.0	70.6	350	635	6.60

1.
1

100CS3 Hose - 4 Spiral - 100R12

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Four layers (1"), six layers (1 1/4"- 2") of alternated, spiralled, high-tensile steel wire over a layer of fabric.

Temperature Range - From - 40°C up to +121°C.

Cover - Grey synthetic rubber, resistant to abrasion, oil, ozone and weathering. MSHA accepted cover.

Application

Hose range suitable for applications of very high pressure service with petroleum base hydraulic fluids. Burst pressure exceeds four times working pressure. Hose specifications meets or exceeds requirements of SAE J 517 100 R12, EN 856 R12.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100CS3-06	06	3/8	9.5	20.2	275	127	0.70
100CS3-08	08	1/2	13.0	23.7	275	178	0.83
100CS3-10	10	5/8	16.0	27.4	275	205	0.90
100CS3-12	12	3/4	19.0	30.7	275	241	1.43
100CS3-16	16	1	25.0	37.9	275	305	2.00
100CS3-20	20	1 1/4	32.0	47.0	207	419	2.80
100CS3-24	24	1 1/2	38.0	53.4	172	508	3.40
100CS3-32	32	2	51.0	66.7	172	680	4.25

100CS5 - 6 Spiral - 100R13 Hose

Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Four or six layers of alternated, spiralled, high-tensile steel wire over a layer of fabric.

Temperature Range - From - 40°C up to +121°C.

Cover - Dark red synthetic rubber, resistant to abrasion, oil, ozone and weathering. MSHA accepted cover.

Application

Hose range suitable for applications of very high pressure service with petroleum base hydraulic fluids. Burst pressure exceeds four times working pressure. Hose specification meets or exceeds requirements of SAE J 517 100 R13, EN 856 R13.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100CS5-12	12	3/4	19.0	32.8	350	241	1.75
100CS5-16	16	1	25.0	38.7	350	305	2.30
100CS5-20	20	1 1/4	32.0	49.8	350	419	3.70
100CS5-24	24	1 1/2	38.0	57.3	350	508	4.65
100CS5-32	32	2	51.0	71.1	350	635	6.90

DIN 20023-EN 856 4SH - Four Spiral Hose



Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Four layers of alternated, spiralled, high-tensile steel wire over a layer of fabric.

Temperature Range - From - 40°C up to +100°C.

Cover - Black synthetic rubber, resistant to abrasion, oils, ozone and weathering.

Application

Hose range suitable to carry hydraulic fluids such as glycol, mineral oils, hydrocarbons, etc. Burst pressure exceeds four times working pressure.

This range is particularly designed for hydraulic applications where a high degree of reliability is requested. Hose specification meets or exceeds requirements of DIN 20023 4SH, EN 856 4SH.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
DIN4SH-20	20	¾	19.0	31.6	430	280	1.70
DIN4SH-25	25	1	25.0	37.8	400	340	2.20
DIN4SH-32	32	1¼	32.0	44.6	350	460	2.55
DIN4SH-40	40	1½	38.0	53.1	310	560	3.40
DIN4SH-50	50	2	51.0	67.6	280	700	4.80

BLASTOPAK - Four Spiral Hose



Construction

Inner Tube - Seamless black synthetic rubber, oil resistant.

Reinforcement - Four steel wire spirals, and one steel wire braid or six steel wire spirals.

Temperature Range - From - 40°C up to +100°C.

Cover - Black synthetic rubber, resistant to abrasion, oil, fuel and weathering.

Application

Hose range suitable for water on applications of ultra high pressure, water blasting only. Burst pressure exceeds two times and half working pressure.

This hose range is NOT RECOMMENDED FOR HYDRAULIC APPLICATIONS.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100BLP-04	04	¼	6.5	20.6	1000	100	0.85
100BLP-06	06	⅜	9.5	24.4	1000	130	1.20
100BLP-08	08	½	13.0	26.1	1000	200	1.25
100BLP-12	12	¾	19.0	34.4	1000	250	2.50
100BLP-16	16	1	25.0	41.1	800	300	3.20

3130 Thermoplastic - Single Line 100R7 Hose



Construction

Inner Tube - Nylon lined core tube.

Reinforcement - Spiralled or braided synthetic fibre.

Temperature Range - From - 40°C up to +100°C.

Cover - Black perforated polyurethane, resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as General Hydraulics, Material Handling, Forklift, High Pressure Gas Transfer, Chemical Transfer. Burst pressure exceeds four times working pressure. Hose specification meets or exceeds requirements of SAE 100 R7.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3130-02	02	⅛	3.2	8.5	172	13	0.037
3130-03	03	⅜	4.8	10.8	207	19	0.068
3130-04	04	¼	6.4	13.0	207	32	0.085
3130-05	05	⅝	7.9	15.1	172	44	0.103
3130-06	06	⅜	9.5	17.0	155	51	0.141
3130-08	08	½	12.7	20.7	138	76	0.210
3130-12	12	¾	19.1	27.1	86	127	0.287
3130-16	16	1	25.4	34.0	69	203	0.393

37NC Non-Conductive 100R7 Hose

Construction

Inner Tube - Polyester core tube.

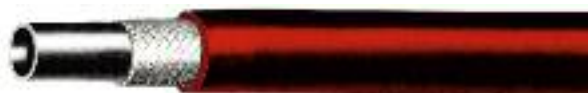
Reinforcement - Braided synthetic fibre.

Temperature Range - From -40°C up to +100°C.

Cover - Orange, non-perforated, non-stick, polyurethane cover electrically non-conductive.

Application

Hose range suitable for applications such as Electric Utility Truck Hydraulic Systems, Mobile Equipment (Picker, Utility Vehicles). Burst pressure exceeds four times working pressure. Hose specification meets or exceeds requirements of SAE J517 Non-Conductive Hose Construction.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
37NC-03	03	3/16	4.8	10.8	207	19	0.07
37NC-04	04	1/4	6.4	12.3	207	32	0.09
37NC-05	05	5/16	7.9	14.7	207	44	0.11
37NC-06	06	3/8	9.5	16.1	207	51	0.14
37NC-08	08	1/2	12.7	20.7	207	76	0.21
37NC-12	12	3/4	19.0	27.2	86	127	0.30
37NC-16	16	1	25.0	34.1	69	200	0.40

3DHO Thermoplastic - Single Line 100R7 Hose

Construction

Inner Tube - Nylon lined core tube.

Reinforcement - Spiralled or braided synthetic fibre.

Temperature Range - From - 40°C up to +100°C.

Cover - Black perforated polyurethane, resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as General Hydraulics, Material Handling, Forklift, High Pressure Gas Transfer, Chemical Transfer. Burst pressure exceeds four times working pressure. Hose specification meets or exceeds requirements of SAE 100 R7.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3DHO-03	03	3/16	4.8	10.8	207	19	0.068
3DHO-04	04	1/4	6.4	13.0	207	32	0.085
3DHO-05	05	5/16	7.9	15.1	172	44	0.103
3DHO-06	06	3/8	9.5	17.0	155	51	0.141
3DHO-08	08	1/2	12.7	20.7	138	76	0.210

3DHO Thermoplastic - Twin Line 100R7 Hose

Construction

Inner Tube - Nylon lined core tube.

Reinforcement - Spiralled or braided synthetic fibre.

Temperature Range - From - 40°C up to +100°C.

Cover - Black perforated polyurethane, resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as General Hydraulics, Material Handling, Forklift, High Pressure Gas Transfer, Chemical Transfer. Burst pressure exceeds four times working pressure. Hose specification meets or exceeds requirements of SAE 100 R7.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3DHO-03-03	03	3/16	4.8	10.8	207	19	0.138
3DHO-04-04	04	1/4	6.4	13.0	207	32	0.170
3DHO-05-05	05	5/16	7.9	15.1	172	44	0.206
3DHO-06-06	06	3/8	9.5	17.0	155	51	0.282
3DHO-08-08	08	1/2	12.7	20.7	138	76	0.410

3700 Cold Storage Single Line 100R7 Hose



Construction

Inner Tube - Polyurethane core tube.
Reinforcement - Braided synthetic fibre.
Temperature Range - From -54 up to +93°C.
Cover - Black polyester perforated cover resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as Forklifts Working in Cold Storage Areas, General Hydraulics, Mobile Equipment, Lift Truck Hydraulic Systems, Cold Temperature Motion Control. Burst pressure exceeds four times working pressure. Hose specification meets or exceeds requirements of SAE 100 R7.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3700-03	03	3/16	4.8	10.9	207	20	0.07
3700-04	04	1/4	6.4	13.0	207	32	0.09
3700-05	05	5/16	7.9	15.1	172	45	0.11
3700-06	06	3/8	9.5	16.8	155	51	0.14
3700-08	08	1/2	12.7	20.8	138	77	0.21
3700-12	12	3/4	19.1	27.2	86	127	0.29

3770 Twin-Line 100R7 Hose



Construction

Inner Tube - Polyurethane core tube.
Reinforcement - Braided synthetic fibre.
Temperature Range - From -54°C up to +93°C.
Cover - Black polyester perforated cover resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as Forklifts Working in Cold Storage Areas, General Hydraulics, Mobile Equipment, Lift Truck Hydraulic systems, Cold Temperature Motion Control. Burst pressure exceeds four times working pressure. Hose specification meets or exceeds requirements of SAE 100 R7.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3770-02	02	1/8	3.2	8.5	172	13	0.037
3770-03	03	3/16	4.8	10.8	207	19	0.068
3770-04	04	1/4	6.4	13.0	207	32	0.085
3770-05	05	5/16	7.9	15.1	172	44	0.103
3770-06	06	3/8	9.5	17.0	155	51	0.141
3770-08	08	1/2	12.7	20.7	138	76	0.210
3770-12	12	3/4	19.1	27.1	86	127	0.287
3770-16	16	1	25.4	34.0	69	203	0.393

377C Twin-Line Cold Storage 100R7 Hose



Construction

Inner Tube - Nylon lined core tube.
Reinforcement - Spiralled or braided synthetic fibre.
Temperature Range - From - 40°C up to +100°C.

Cover - Black perforated polyurethane, resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as General Hydraulics, Material Handling, Forklift, High Pressure Gas Transfer, Chemical Transfer. Burst pressure exceeds four times working pressure. Hose specification meets or exceeds requirements of SAE 100 R7.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
377C-04	04	1/4	6.4	13.0	207	32	0.09
377C-05	05	5/16	7.9	15.1	172	45	0.11
377C-06	06	3/8	9.5	16.8	155	51	0.14
377C-08	08	1/2	12.7	20.8	138	77	0.21

3500 Tri-Line Thermoplastic Hose

Construction

Inner Tube - Nylon core tube.

Reinforcement - Synthetic fibre.

Temperature Range - From -40°C up to +100°C.

Cover - Black perforated polyurethane, resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as Aerial Lifts, Hydraulic Cranes and general Hydraulic Oil Lines. Features compact, longer life, lighter, low elongation and abrasion resistant. Burst pressure exceeds four times working pressure. Hose specification meets or exceeds requirements of SAE 100 R7.



1.
1

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3500-06-06-06	06	3/8	10.0	18.7	172	64	0.18
3500-08-08-08	08	1/2	13.0	22.6	172	89	0.27

3500 Twin-Line Thermoplastic Hose

Construction

Inner Tube - Nylon core tube.

Reinforcement - Synthetic fibre.

Temperature Range - From -40°C up to +100°C.

Cover - Black perforated polyurethane resistant to Oil, ozone and weathering.

Application

Hose range suitable for applications such as Aerial Lifts, Hydraulic Cranes and general Hydraulic Oil Lines. Features compact, longer life, lighter, low elongation and abrasion resistant. Burst pressure exceeds four times working pressure. Hose specification meets or exceeds requirements of SAE 100 R7.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3500-06-06	06	3/8	10.0	18.7	172	64	0.18
3500-08-08	08	1/2	13.0	22.6	172	89	0.27

3800 Single Line Compact 100R8 Hose

Construction

Inner Tube - Nylon core tube.

Reinforcement - Braided high tensile aramid fibre.

Temperature Range - From -40°C up to +100°C.

Cover - Black perforated polyurethane resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as General Hydraulics, High Pressure Gas and Chemical Transfer, Machine Tools, Mobile Equipment, Agricultural Equipment, Marine Steering. Burst pressure exceeds four times working pressure. Hose specification meets or exceeds requirements of SAE 100 R8.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3800-02	02	1/8	3.2	8.5	414	20	0.05
3800-03	03	3/16	4.8	11.0	345	38	0.08
3800-04	04	1/4	6.4	13.5	345	51	0.11
3800-06	06	3/8	9.5	16.9	276	64	0.16
3800-08	08	1/2	12.7	21.3	241	102	0.21

100TWB Wire Braid Twin-Line Thermoplastic Hose



Construction

Inner Tube - Smooth seamless polyester tube.

Reinforcement - Single braid of high tensile carbon steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black non-perforated polyurethane, resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as General Hydraulics, High Pressure Hydraulic Systems, Machine Tools, Mobile Equipment, Agricultural Equipment, Marine Steering. Burst pressure exceeds four times working pressure. Note the working and test pressures for this hose family are higher than 100R1/R7 standard. Therefore this hose exceeds the performance set forth in the SAE J517 100 R7 series hydraulic hose.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100TWB1-03-03	03	3/16	4.8	10.49	325	15	0.30
100TWB1-04-04	04	1/4	6.4	12.22	300	30	0.36
100TWB1-05-05	05	5/16	7.9	13.97	237	35	0.38
100TWB1-06-06	06	3/8	9.8	16.40	250	57	0.54
100TWB1-08-08	08	1/2	12.7	19.40	200	83	0.62

100MTH Wire Braid Thermoplastic Hose



Construction

Inner Tube - Smooth seamless polyester tube.

Reinforcement - Single braid of high tensile steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black non-perforated polyurethane, resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as General Hydraulics, High Pressure Hydraulic Systems, Machine Tools, Mobile Equipment, Agricultural Equipment, Marine Steering. Burst pressure exceeds four times working pressure. Note the working and test pressures for this hose family are higher than 100R1/R7 standard. Therefore this hose exceeds the performance set forth in the SAE J517 100 R7 series hydraulic hose.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100MTH1-03	03	3/16	4.8	10.0	325	30	0.13
100MTH1-04	04	1/4	6.4	11.9	300	40	0.17
100MTH1-05	05	5/16	8.0	14.0	240	50	0.22
100MTH1-06	06	3/8	9.5	16.0	225	60	0.26
100MTH1-08	08	1/2	13.0	20.5	175	75	0.39

100MTH Wire Braid Twin-Line Thermoplastic Hose



Construction

Inner Tube - Smooth seamless polyester tube.

Reinforcement - Single braid of high tensile steel wire.

Temperature Range - From -40°C up to +100°C.

Cover - Black non-perforated polyurethane, resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as General Hydraulics, High Pressure Hydraulic Systems, Machine Tools, Mobile Equipment, Agricultural Equipment, Marine Steering. Burst pressure exceeds four times working pressure. Note the working and test pressures for this hose family are higher than 100R1/R7 standard. Therefore this hose exceeds the performance set forth in the SAE J517 100 R7 series hydraulic hose.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100MTH1-03-03	03	3/16	4.8	10.0	325	30	0.26
100MTH1-04-04	04	1/4	6.4	11.9	300	40	0.34
100MTH1-05-05	05	5/16	8.0	14.0	240	50	0.44
100MTH1-06-06	06	3/8	9.5	16.0	225	60	0.52
100MTH1-08-08	08	1/2	13.0	20.5	175	75	0.78

3200 Non-Conductive Hose (Factory Manufactured Only)

Construction

Inner Tube - Nylon core tube.

Reinforcement - High-tensile spiraled aramid fibre.

Temperature Range - From -40°C up to +66°C.

Cover - Orange non-perforated polyurethane cover electrically non-conductive.

Application

Hose range suitable for applications such as General Hydraulic Systems that may contact High Voltage Sources, Aerial Equipment, Mobile Machinery, Rescue Tools. Burst pressure exceeds four times working pressure. Hose specification meets or exceeds requirements of SAE J517 Non-Conductive Hose Construction.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3200-03	03	3/16	4.8	13.2	689	38	0.12
3200-04	04	1/4	6.4	15.1	689	64	0.15
3200-06	06	3/8	9.5	19.8	552	76	0.24

3490 High Pressure Hose (Factory Manufactured Only)

Construction

Inner Tube - Nylon core electrically conductive tube.

Reinforcement - Braided synthetic fibre.

Temperature Range - From -40°C up to +100°C.

Cover - Black polyurethane, resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as Airless Paint Spray Supply Lines. Burst pressure exceeds four times working pressure.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3490-04	04	1/4	6.4	16.0	345	51	0.17
3490-06	06	3/8	9.5	19.5	345	102	0.22

APS Airless Paint Spray Hose

Construction

Inner Tube - Seamless polyamide lined tube.

Reinforcement - High tensile carbon steel wire braid.

Temperature Range - From -40°C up to +100°C.

Max working temperature of air, water and fluids containing water 65°C.

Cover - Blue polyurethane, resistant to oil, ozone and weathering.

Application

Hose range suitable for applications such as medium pressure conduction of Isocyanates, Polyols, Solvents and Paints. Burst pressure exceeds four times working pressure. Note the working and test pressures for this hose family are higher than 100R1/R7 standard. Therefore this hose exceeds the performance set forth in the SAE J517 100 R7 series hydraulic hose.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
APS-04	04	1/4	6.6	12.06	330	30	0.15
APS-06	06	3/8	9.85	15.24	235	50	0.27

3450 Airless Paint Spray Hose (Factory Manufactured Only)



Construction

Inner Tube - Nylon core.

Reinforcement - Conductive polymeric layer, synthetic fibre.

Temperature Range - From -40°C up to +100°C.

Cover - Black polyurethane, resistant to oil, fuels and weathering.

Application

Hose range suitable for applications such as medium pressure conduction of Isocyanates, Polyols, Solvents and Paints. Burst pressure exceeds four times working pressure. Note the working and test pressures for this hose family are higher than 100R1/R7 standard. Therefore this hose exceeds the performance set forth in the SAE J517 100 R7 series hydraulic hose.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
3450-03	03	3/16	4.8	10.8	227	19	0.07
3450-04	04	1/4	6.4	13.2	207	25	0.09
3450-06	06	3/8	9.5	18.4	207	64	0.19

100S4 Suction Delivery Hose



Construction

Inner Tube - Smooth black rubber tube.

Reinforcement - Synthetic textile braid and embedded metal spiral re-inforcement copper wire to ensure the electric conductivity.

Temperature Range - From -30°C up to +100°C.

Cover - Antistatic smooth, black, oil, abrasion and weathering resistant cover.

Application

Hose range suitable for the conveyance of Mineral Oils and Fuels to be used either in a Suction or Delivery Application. Burst pressure exceeds three times working pressure. Hose specification in accordance to ISO 1307 and SAE 100S4.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100S4-12	12	3/4	19.0	29	10	152	0.50
100S4-16	16	1	25.0	35	10	200	0.63
100S4-20	20	1 1/4	32.0	43	10	256	0.86
100S4-24	24	1 1/2	38.0	50	10	304	1.10
100S4-28	28	1 3/4	45.0	57	10	360	1.28
100S4-32	32	2	51.0	63	10	400	1.43
100S4-36	36	2 1/4	57.0	68	10	399	1.90
100S4-40	40	2 1/2	63.5	77	10	508	1.98
100S4-48	48	3	76.0	90	10	608	2.43
100S4-56	56	3 1/2	90.0	106	10	720	3.28
100S4-64	64	4	102.0	119	10	816	3.90

100R4 Suction Delivery Hose



Construction

Inner Tube - Smooth black rubber tube.

Reinforcement - Synthetic high strength textile yarn plus copper wire embedded helix.

Temperature Range - From -40°C up to +100°C.

Cover - Smooth, black, oil, abrasion and weathering resistant cover.

Application

Hose range suitable for the conveyance of Mineral based hydraulic fluids to be used either in a Suction or Delivery Application. Burst pressure exceeds four times working pressure on hose bore 3/4" to 2", three times working pressure on bore size 2 1/2" to 4". Hose specification in accordance to SAE J517 type SAE 100R4.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100R4-12	12	3/4	19.0	29	21	150	0.74
100R4-16	16	1	25.0	38	18	200	0.87
100R4-20	20	1 1/4	32.0	45	14	256	1.04
100R4-24	24	1 1/2	38.0	52	10	304	1.27
100R4-32	32	2	51.0	64	7	400	1.62
100R4-40	40	2 1/2	63.5	77	5	508	2.12
100R4-48	48	3	76.0	90	4	608	2.51
100R4-64	64	4	102.0	116	4	816	4.10

ROBUR-GPL (LPG) Liquid Petroleum Gas Hose

Construction

Inner Tube - Low diffusion rate seamless black synthetic rubber, oil resistant.

Reinforcement - Two braids of high-tensile steel wire.

Temperature Range - From - 40°C up to + 60°C.

Cover - Black synthetic rubber, perforated to prevent the formation of blisters, resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable for liquids, gas applications (methane, propane, LPG), refilling and emptying of tankers. Burst pressure exceeds four times working pressure.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
100GPL-04	04	¼	6.5	18.3	50	100	0.40
100GPL-05	05	5/16	8.0	19.8	50	115	0.50
100GPL-06	06	3/8	9.5	22.2	50	130	0.60
100GPL-08	08	½	13.0	25.4	50	180	0.75
100GPL-10	10	5/8	16.0	28.6	50	200	0.85
100GPL-12	12	¾	19.0	32.5	50	230	1.05
100GPL-16	16	1	25.0	40.9	50	300	1.40
100GPL-20	20	1¼	32.0	52.4	30	400	2.20
100GPL-24	24	1½	38.0	58.7	30	500	2.75
100GPL-32	32	2	51.0	71.4	30	630	3.50

HTP 15 - Hot Water - Single Wire - Black Hose

Construction

Inner Tube - Seamless black synthetic rubber resistant to high temperature and detergent fluid.

Reinforcement - One braid of high-tensile steel wire.

Temperature Range - From - 40°C up to + 150°C.

Cover - Black synthetic rubber, pin-pricked resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable for water cleaning applications and a wide range of benefits such as high flexibility, low weight, high abrasion resistance, small bend radius and excellent resistance the most common detergent solutions. The constant working pressure through all sizes offers easy choice avoiding any kind of misunderstanding. Burst pressure exceeds four times working pressure.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
HTP15B-04	04	¼	6.5	13.5	150	51	0.17
HTP15B-05	05	5/16	8.0	14.5	150	58	0.19
HTP15B-06	06	3/8	9.5	16.9	150	64	0.22
HTP15B-08	08	½	13.0	20.5	150	90	0.33

HTP 15 - Hot Water -Single Wire - Blue Hose

Construction

Inner Tube - Seamless black synthetic rubber resistant to high temperature and detergent fluid.

Reinforcement - One braid of high-tensile steel wire.

Temperature Range - From - 40°C up to + 150°C.

Cover - Blue synthetic rubber, pin-pricked resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable for water cleaning applications and a wide range of benefits such as high flexibility, low weight, high abrasion resistance, small bend radius and excellent resistance the most common detergent solutions. The constant working pressure through all sizes offers easy choice avoiding any kind of misunderstanding. Burst pressure exceeds four times working pressure.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/k g
HTP15K-04	04	¼	6.5	13.5	150	51	0.17
HTP15K-05	05	5/16	8.0	14.5	150	58	0.19
HTP15K-06	06	3/8	9.5	16.9	150	64	0.22
HTP15K-08	08	½	13.0	20.5	150	90	0.33

HTP 15 - Hot Water - Single Wire - Grey Hose



Construction

Inner Tube - Seamless black synthetic rubber resistant to high temperature and detergent fluid.

Reinforcement - One braid of high-tensile steel wire.

Temperature Range - From -40°C up to +150°C.

Cover - Grey synthetic rubber, pin-pricked resistant to abrasion, oil, ozone and weathering.

Application

Hose range suitable for water cleaning applications and a wide range of benefits such as high flexibility, low weight, high abrasion resistance, small bend radius and excellent resistance to the most common detergent solutions. The constant working pressure through all sizes offers easy choice avoiding any kind of misunderstanding. Burst pressure exceeds four times working pressure.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
HTP15G-04	04	¼	6.5	13.5	150	51	0.17
HTP15G-05	05	5/16	8.0	14.5	150	58	0.19
HTP15G-06	06	3/8	9.5	16.9	150	64	0.22
HTP15G-08	08	½	13.0	20.5	150	90	0.33

HTP 21 - Hot Water - Single Wire - Black Hose



Construction

Inner Tube - Seamless black synthetic rubber resistant to water and detergents in aqueous solutions.

Reinforcement - One braid of high-tensile steel wire.

Temperature Range - From -40°C up to +150°C.

Cover - Black synthetic rubber, resistant to abrasion, oils, and weathering.

Application

Hose range suitable for water cleaning applications and a wide range of benefits such as high flexibility, low weight, high abrasion resistance, small bend radius and excellent resistance to the most common detergent solutions. The constant working pressure through all sizes offers easy choice avoiding any kind of misunderstanding. Burst pressure exceeds four times working pressure.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
HTP21B-04	04	¼	6.4	13.4	210	100	0.21
HTP21B-05	05	5/16	7.9	15.0	210	110	0.26
HTP21B-06	06	3/8	9.5	17.4	210	120	0.34
HTP21B-08	08	½	12.7	20.6	180	160	0.41

HTP 21 - Hot Water - Single Wire - Blue Hose



Construction

Inner Tube - Seamless black synthetic rubber resistant to water and detergents in aqueous solutions.

Reinforcement - One braid of high-tensile steel wire.

Temperature Range - From -40°C up to +150°C.

Cover - Blue synthetic rubber, resistant to abrasion, oils, and weathering.

Application

Hose range suitable for water cleaning applications and a wide range of benefits such as high flexibility, low weight, high abrasion resistance, small bend radius and excellent resistance to the most common detergent solutions. The constant working pressure through all sizes offers easy choice avoiding any kind of misunderstanding. Burst pressure exceeds four times working pressure.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
HTP21K-04	04	¼	6.4	13.4	210	100	0.21
HTP21K-05	05	5/16	7.9	15.0	210	110	0.26
HTP21K-06	06	3/8	9.5	17.4	210	120	0.34
HTP21K-08	08	½	12.7	20.6	180	160	0.41

HTP 21 - Hot Water - Single Wire - Grey Hose

Construction

Inner Tube - Seamless black synthetic rubber resistant to water and detergents in aqueous solutions.

Reinforcement - One braid of high-tensile steel wire.

Temperature Range - From -40°C up to +150°C.

Cover - Grey synthetic rubber, resistant to abrasion, oils, and weathering.

Application

Hose range suitable for water cleaning applications and a wide range of benefits such as high flexibility, low weight, high abrasion resistance, small bend radius and excellent resistance to the most common detergent solutions. The constant working pressure through all sizes offers easy choice avoiding any kind of misunderstanding. Burst pressure exceeds four times working pressure.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
HTP21G-04	04	1/4	6.4	13.4	210	100	0.21
HTP21G-05	05	5/16	7.9	15.0	210	110	0.26
HTP21G-06	06	3/8	9.5	17.4	210	120	0.34
HTP21G-08	08	1/2	12.7	20.6	180	160	0.41

HTP 21 - Hot Water - Single Wire - Black Hose

Construction

Inner Tube - Seamless black synthetic rubber resistant to water and detergents in aqueous solutions.

Reinforcement - Two braid of high-tensile steel wire.

Temperature Range - From -40°C up to +150°C.

Cover - Black synthetic rubber, resistant to abrasion, oils, and weathering.

Application

Hose range suitable for water cleaning applications and a wide range of benefits as high flexibility, low weight, high abrasion resistance, small bend radius and excellent resistance to the most common detergent solutions. The constant working pressure through all sizes offers easy choice avoiding any kind of misunderstanding. Burst pressure exceeds four times working pressure.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
HTP40B-04	04	1/4	6.4	15.0	400	100	0.37
HTP40B-05	05	5/16	7.9	16.6	400	110	0.43
HTP40B-06	06	3/8	9.5	19.0	400	120	0.56
HTP40B-08	08	1/2	12.7	22.2	300	160	0.64

HTP 40 - Hot Water - Double Wire - Blue Hose

Construction

Inner Tube - Seamless black synthetic rubber resistant to water and detergents in aqueous solutions.

Reinforcement - Two braid of high-tensile steel wire.

Temperature Range - From -40°C up to +150°C.

Cover - Blue synthetic rubber, resistant to abrasion, oils, and weathering.

Application

Hose range suitable for semi-professional water cleaning applications. This hose range offers a wide range of benefits as high flexibility, low weight, high abrasion resistance, small bend radius and excellent resistance to the most common detergent solutions. The constant working pressure through all sizes offers easy choice avoiding any kind of misunderstanding. Burst pressure exceeds four times working pressure.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
HTP40K-04	04	1/4	6.4	15.0	400	100	0.37
HTP40K-05	05	5/16	7.9	16.6	400	110	0.43
HTP40K-06	06	3/8	9.5	19.0	400	120	0.56
HTP40K-08	08	1/2	12.7	22.2	300	160	0.64

HTP 40 - Hot Water - Double Wire - Grey Hose



Construction

Inner Tube - Seamless black synthetic rubber resistant to water and detergents in aqueous solutions.

Reinforcement - Two braid of high-tensile steel wire.

Temperature Range - From -40°C up to +150°C.

Cover - Grey synthetic rubber, resistant to abrasion, oils, and weathering.

Application

Hose range suitable for water cleaning applications and a wide range of benefits such as high flexibility, low weight, high abrasion resistance, small bend radius and excellent resistance to the most common detergent solutions. The constant working pressure through all sizes offers easy choice avoiding any kind of misunderstanding. Burst pressure exceeds four times working pressure.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Weight kg/m/kg
HTP40G-04	04	¼	6.4	15.0	400	100	0.37
HTP40G-05	05	⅝ ₁₆	7.9	16.6	400	110	0.43
HTP40G-06	06	¾ ₈	9.5	19.0	400	120	0.56
HTP40G-08	08	½	12.7	22.2	300	160	0.64

100STH - Smooth Stainless Steel Teflon Hose



Construction

Inner Tube - Extruded teflon manufactured from virgin PTFE resin with AISI 304 stainless steel, high tensile braid.

Temperature Range - From -70 °C up to +260°C.

Cover - Stainless Steel braided wire.

Application

Hose range has excellent mechanical resistance for vibration and flexing. FDA approved resin that guarantees food, cosmetic and pharmaceutical, as well as laundry equipment, plastic moulding presses and compressor discharge applications. Burst pressure exceeds three times working pressure.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)
100STH-03	03	⅜ ₁₆	5.16	8.43	276	51
100STH-04	04	¼	6.96	9.86	224	76
100STH-05	05	⅝ ₁₆	8.66	11.56	207	102
100STH-06	06	¾ ₈	10.64	14.10	183	133
100STH-08	08	½	13.36	17.22	161	152
100STH-10	10	⅝ ₈	17.12	20.57	114	178
100STH-12	12	¾ ₄	20.32	23.77	103	203
100STH-16	16	1	26.62	30.07	80	305

100SCV - Convuluted PTFE Hose



Construction

Inner Tube - Convoluted PTFE teflon inner tube.

Temperature Range - From -54°C up to +204°C.

Cover - AISI 304 stainless steel single wire braid.

Application

Hose range is ideal for fluid and gas systems, chemical transfer, steam, air, water solvents and suction applications. It is abrasion resistant and can be used with most types of industrial lubricants, coolants, acids, oils and solvents. An exceptionally versatile hose, it can do the job of many different hose types, helping to minimise stocks. Burst pressure exceeds three times working pressure.

Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Vacuum Rating (inches) HG
100SCV-04	04	¼	6.7	12.7	172	18	28
100SCV-06	06	¾ ₈	10.9	16.0	103	25	28
100SCV-08	08	½	14.4	20.6	103	38	28
100SCV-10	10	⅝ ₈	17.8	24.1	86	50	28
100SCV-12	12	¾ ₄	20.8	27.7	86	63	28
100SCV-16	16	1	27.2	33.8	77	76	20
100SCV-20	20	1¼	33.4	40.6	62	89	12
100SCV-24	24	1½	39.7	46.5	51	114	10
100SCV-32	32	2	52.4	60.7	34	152	5

100CSH - Convoluted PTFE Steam Hose

Construction

Inner Tube - Convoluted PTFE teflon hose with low effusion high integrity core.

Temperature Range - From -54°C up to +204°C.

Cover - AISI 304 stainless steel single wire braid.

Application

This hose is particularly suited to gaseous and high temperature or rapid cycling applications.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Vacuum Rating (inches) HG
100CSH-06	06	3/8	10.9	16.0	103	25	28
100CSH-08	08	1/2	14.4	20.6	103	38	28
100CSH-10	10	5/8	17.8	24.1	86	50	28
100CSH-12	12	3/4	20.8	27.7	86	63	28
100CSH-16	16	1	27.2	33.8	77	76	20
100CSH-20	20	1 1/4	33.4	40.6	62	89	12
100CSH-24	24	1 1/2	39.7	46.5	51	114	10
100CSH-32	32	2	52.4	60.7	34	152	5

100CSC - Static Dissipating Convoluted PTFE Hose

Construction

Inner Tube - Convoluted PTFE teflon tube lined with a static dissipating inner core. AISI 304 stainless steel single wire braid.

Temperature Range - From -54°C up to +204°C.

Cover - AISI 304 stainless steel single wire braid.

Application

Hose range is ideal for fluid and gas systems, chemical transfer, steam, air, water solvents and suction applications. It is abrasion resistant and can be used with most types of industrial lubricants, coolants, acids, oils and solvents.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)	Vacuum Rating (inches) HG	Minimum Conductivity at 1000vDC
100CSC-06	06	3/8	10.9	16.0	103	25	28	10
100CSC-08	08	1/2	14.4	20.6	103	38	28	10
100CSC-10	10	5/8	17.8	24.1	86	50	28	12
100CSC-12	12	3/4	20.8	27.7	86	63	28	12
100CSC-16	16	1	27.2	33.8	77	76	20	12
100CSC-20	20	1 1/4	33.4	40.6	62	89	12	12
100CSC-24	24	1 1/2	39.7	46.5	51	114	10	12
100CSC-32	32	2	52.4	60.7	34	152	5	12

100PCV - Convoluted PTFE Hose

Construction

Inner Tube - Convoluted PTFE teflon tube with AISI 304 stainless steel single wire braid.

Temperature Range - From -54°C up to +204°C.

Cover - Abrasion resistant polyester woven cover.

Application

Hose range is ideal for fluid and gas systems, chemical transfer, steam, air, water solvents and suction applications. It is abrasion resistant and can be used with most types of industrial lubricants, coolants, acids, oils and solvents. An exceptionally versatile hose, it can do the job of many different hose types, helping to minimise stocks. Burst pressure exceeds three times working pressure.



Part Number	Size (dash)	I.D. (inch)	I.D. (mm)	O.D. (mm)	Working Pressure/bar	Minimum Bend rd (mm)
100PCV-06	06	3/8	10.9	16.0	103	25
100PCV-08	08	1/2	14.4	20.6	103	38
100PCV-10	10	5/8	17.8	24.1	86	50
100PCV-12	12	3/4	20.8	27.7	86	63
100PCV-16	16	1	27.2	33.8	77	76
100PCV-20	20	1 1/4	33.4	40.6	62	89
100PCV-24	24	1 1/2	39.7	46.5	51	114
100PCV-32	32	2	52.4	60.7	34	152

FCS Range Armour Wire Spring Guard for Braided Hose



Construction

Open coil galvanised spring guard pitch 10mm or 12mm dependent on internal diameter wire size 3.25mm.

Application

This range of products are suitable for covering braided or spiral hose where the application is of an abrasive nature. Product is open coil galvanised steel wire.

1.
1

Part Number	I.D. (mm)
FCS-015	15
FCS-017	17
FCS-019	19
FCS-023	23
FCS-026	26
FCS-046	46
FCS-058	58
FCS-070	70

PBS Range Plastic Hose Sheath



This range of products acts as a conduit and protects one or more hoses against abrasion and contains oil leaks if a hose inside it fails. Hose sheath is available in three metre lengths and comes in sizes from 1/4" id to 1" id.

Part Number	I.D. (mm)
PBS-04	17
PBS-06	21
PBS-08	24
PBS-10	27
PBS-12	31
PBS-16	40

FCS Range Armour Wire Spring Guard for Spiral Hose



Construction

Open coil galvanised spring guard pitch 10mm or 12mm dependent on internal diameter wire size 3.25mm.

Application

This range of products are suitable for covering braided or spiral hose where the application is of an abrasive nature. Product is open coil galvanised steel wire.

Part Number	I.D. (mm)
FCS-021	21
FCS-029	29
FCS-034	34
FCS-041	41

PFS Range Plastic Flatguard

This range of products is a plastic protective spiral sleeve which can fulfil a number of functions. It provides good abrasion resistance combined with light weight and can move easily with the hose. Flatguard can also be used to wrap around a number of hoses to keep them together and out of danger.



Part Number	I.D. (mm)
PFS-08	8
PFS-10	10
PFS-20	19

1.
1

FJI Range Hose Protection Fire Guard Sleeving

Construction

Pyrojacket is constructed from a high bulk fibreglass fibre that is woven to produce a hollow sleeve. It is coated with a thick covering of iron oxide red silicone rubber.

Temperature Range - From +260°C continuous exposure, up to +1090°C for 15-20 minutes and up to +1640°C for 15-30 seconds.

Application

This range of products because of their ability to shed molten metal splash and withstand intense radiant heat are important characteristics that make this sleeving ideal for applications which involve protecting hoses and cables in Steel Mills, Aluminium Smelting Plants, Offshore Drilling Rigs, Foundries and Glass Manufacturing Facilities. In applications where operators and maintenance personnel are working in the vicinity of steam lines or hot oil lines, there is always the danger of employees incurring serious burns from the "branding effect" of hot braided hoses. This product provides effective burn protection from steam lines while insulating against costly energy losses. Applications include Rubber Vulcanisation Operations, Printing Presses, Injection Moulding plants- anywhere hot steam or oil lines are used.



Part Number	I.D. (mm)
FJI-14	14
FJI-16	16
FJI-18	18
FJI-19	19
FJI-22	22
FJI-24	24
FJI-25	25
FJI-35	35
FJI-45	45
FJI-57	57
FJI-70	70

SGX Range Plastic Spiralguard

This range of products is a plastic protective spiral sleeve. It has a rounded profile to allow the sleeve to wrap around the hose and cover it without leaving any large portion unprotected. Spiralguard is made with a co-extruded profile in which the inner core assures flexibility whilst the external profile provides good abrasion resistance.



Part Number	I.D. (mm)
SGX-13	13
SGX-16	16
SGX-20	20
SGX-25	25
SGX-28	28
SGX-32	32
SGX-35	35
SGX-50	50
SGX-90	90

Abrasion Resistant Cover - ABR



ABR is an anti abrasive cover especially developed for high pressure hydraulic rubber hoses. If abrasion is the problem, ABR is the solution. All hose covered with ABR have shown excellent resistance to oils, ozone, and weathering, whilst maintaining all the technical features and the hose temperature resistance parameters. ABR is manufactured from innovative materials, which greatly enhance the resistance to external abrasion of hose assemblies. During stringent laboratory tests, the ABR cover has lasted up to 300 times longer than standard rubber covered hose. ABR will increase hose service life, which in turn, reduces maintenance and consequential downtime associated with hose failure.

To order Abrasion Resistant Cover, simply quote ABR in conjunction with the hose ordered.
Example: PFM35-12ABR.

1.
1

Hoseguard Range Anti-Burst, Fire, Abrasion Resistant Sleeve



Part Number	I.D. (mm)
TEXS-17N	17
TEXS-20N	20
TEXS-23N	23
TEXS-25N	25
TEXS-31N	31
TEXS-36N	36
TEXS-40N	40
TEXS-44N	44
TEXS-47N	47
TEXS-53N	53
TEXS-73N	73
TEXS-93N	93
TEXS-112N	112

This range of product is a revolutionary textile protective sleeve suitable for all major types of flexible hose. The main feature of this product is its ability to contain spillage when flexible hoses, tube steel or otherwise which happen to convey a liquid are damaged or ruptured whilst in service. Increasing environmental and safety considerations, such as ISO EN 1501 relating to rear end loaded refuse collection vehicles, have raised the importance of spill and spray prevention in the field. Against this background, a specially designed pinhole leakage test has been carried out to prove Hoseguard's retention capability. This test simulated oil spraying from a pinhole at 3000psi (207 Bar) that was contained by the hoseguard. Tests performed to the SAE J343 standard have shown an oil retention capability seven times better than any similar product. This product also provides a high level of abrasion and fire resistance. The fibres in the product have been carefully designed to withstand high mechanical force when subject to external abrasion. The fibres have a high tensile strength that enables the product to pass the abrasion test in accordance with ISO 6945. The high quality materials used in the manufacture of Hoseguard also enabled it to pass severe flammability tests such as the American MSHA IC-207/01 and ISO 8030 requirements. This means that hoseguard combines flame resistance together with the lowest degree of flame propagation when compared to normal sleeves.

Pirtek Stopflex System



The Stopflex System guarantee's hose assemblies will be restrained in the event of an end fitting failure.

High pressure hose assemblies are prone to failure, often without warning. The Stopflex System uses heavy duty clamps and cables to secure the hose to the equipment, preventing the hose to whip which can cause damage to the equipment or injure people.

The Pirtek Stopflex System can be applied to all types of flexible hose assemblies, where the containment of the hose is paramount to safety. The Pirtek Stopflex System has been designed and tested in conjunction with EN 853-98, EN854-98, EN855-98 and EN856-98 norms. Please do not attempt to install the Pirtek Stopflex System without consulting your local Pirtek centre.

PIRTEK POLICY STATEMENT

Do Not Re-End Hoses

Pirtek UK Ltd do not endorse re-ending, or the re-using of swage fittings on hose assemblies. We recommend that a new hose assembly is made up, based on requirements of the application.

By law the assembly producer will be liable for any injuries caused as a result of unsafe practice. We feel that it is only a matter of time before a repaired, or reworked assembly, causes an injury. The safety of staff and customers must remain our greatest concern.

This Policy applies to all crimped assemblies, not just hydraulic assemblies.

The European Standard for our industry is BS EN 982 Safety of machinery- Safety requirements for fluid power systems and their components- Hydraulics. Section 5.3.4.3 states "Flexible hose assemblies shall not be constructed from hoses which have been previously used as part of a hose assembly."