



Industrial Hose Catalogue

Uncommon Excellence

Industrial Hose

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Industrial Hose - Compressed Air (Rubber)

Super Heavy-Duty Air & Water Delivery Hose (A191)

Applications

- Available in black and high visibility yellow, specifically designed with robust construction for the delivery of compressed air and water services in harsh mining environments. Also commonly used in construction, agriculture, and manufacturing for the transfer of compressed air, wastewater, sewage, and service water.

Features

- Mandril built
- Ozone resistant
- Weather resistant
- Oil mist resistant

Hose Construction

- Tube: SBR/NBR blend - black
- Cover: SBR/EPDM blend - black or yellow
- Reinforcing: high tensile synthetic textile cords

Temperature

- -35°C to 80°C

Hose Specifications

Dimensions (mm)		Positive Working Pressure PSI/Bar				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
		Working		Burst				
ID	OD	PSI	Bar	PSI	Bar			
12.7	23.0	300	20	900	60	n/a	90	0.43
19.1	30.0	300	20	900	60	n/a	125	0.61
25.4	37.0	300	20	900	60	n/a	185	0.82
31.8	45.0	300	20	900	60	n/a	225	1.12
38.1	52.0	300	20	900	60	n/a	265	1.41
50.8	65.0	300	20	900	60	n/a	345	1.89
63.5	79.0	300	20	900	60	n/a	415	2.64
76.2	92.0	300	20	900	60	n/a	560	2.92
102.0	118.0	300	20	900	60	n/a	780	3.95

Black



Dimensions (mm)		Part Numbers	
ID	OD	Cut Length	Coil 20m
12.7	23.0	A191012	A191012020
19.1	30.0	A191020	A191020020
25.4	37.0	A191025	A191025020
31.8	45.0	A191032	A191032020
38.1	52.0	A191040	A191040020
50.8	65.0	A191050	A191050020
63.5	79.0	A191065	A191065020
76.2	92.0	A191080	A191080020
101.6	118.0	A191100	A191100020

Product Code: DB03

Yellow



Dimensions (mm)		Part Numbers	
ID	OD	Cut Length	Coil 20m
12.7	23.0	A191012Y	A191012Y020
19.1	30.0	A191020Y	A191020Y020
25.4	37.0	A191025Y	A191025Y020
31.8	45.0	A191032Y	A191032Y020
38.1	52.0	A191040Y	A191040Y020
50.8	65.0	A191050Y	A191050Y020
63.5	79.0	A191065Y	A191065Y020
76.2	92.0	A191080Y	A191080Y020
101.6	118.0	A191100Y	A191100Y020

Product Code: DB03

Industrial Hose - Compressed Air (Rubber)

Super Heavy-Duty Air & Water Delivery Hose Assemblies (A191)

Black Rubber Hose Assemblies

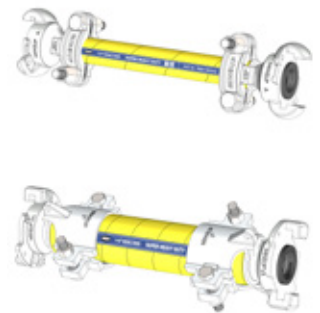
Part Numbers	ID (mm)	Description	Length (mtr)
A191012020FA	12	Minsup® A-Type couplings with Minsup® claw clamps	20
A191012FHA	12	Minsup® Surelock® couplings with band clamps	20
A191012020FS	12	Minsup® Surelock® couplings with Minsup® claw clamps	20
A19102020FA	20	Minsup® A-Type couplings with Minsup® claw clamps	20
A19102020FS	20	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191025020FA	25	Minsup® A-Type couplings with Minsup® claw clamps	20
A191025020FS	25	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191032020FA	32	Minsup® A-Type couplings with Minsup® claw clamps	20
A191040020F	40	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191050020F	50	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191080FHA	76	Minsup® Surelock® couplings with Boss® clamps	20



Product Code: DB03

Yellow Rubber Hose Assemblies

Part Numbers	ID (mm)	Description	Length (mtr)
A191012Y020FA	12	Minsup® A-Type couplings with Minsup® claw clamps	20
A191012Y020FS	12	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191020Y020FA	20	Minsup® A-Type couplings with Minsup® claw clamps	20
A191020Y020FS	20	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191025Y020FA	25	Minsup® A-Type couplings with Minsup® claw clamps	20
A191025Y020FS	25	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191040Y020F	40	Minsup® Surelock® couplings with Minsup® claw clamps	20
A191050Y020F	50	Minsup® Surelock® couplings with Minsup® claw clamps	20



Product Code: DB03

Heavy-Duty Steel Braid Air Hose (A170)

Applications

- An exceptionally durable steel cord delivery hose engineered to convey high-pressure compressed air. Built to withstand extreme conditions and designed with high safety margins to ensure prolonged, dependable performance even in the most challenging work environments encountered in mines, quarries, construction, and industrial sites.

Features

- Ozone resistant
- Weather resistant
- Oil mist resistant
- Abrasion resistant
- Pin pricked cover
- Mylar layline & embossed tape line
- Mandrel built

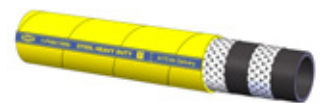
Hose Construction

- Tube: NBR blend - black
- Cover: EPDM blend, smooth - yellow
- Reinforcement: high tensile steel wire cords

Temperature

- 40°C to 70°C

Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
				PSI	Bar	PSI	Bar		
25.4	36.0	A170025	A17002520	580	40	2320	160	125	0.88
38.1	50.0	A170040	A17004020	580	40	2320	160	190	1.54
50.8	66.0	A170050	A17005020	580	40	2320	160	225	2.52
63.5	80.0	A170065	A17006520	580	40	2320	160	315	3.36



Product Group: DB04

Industrial Hose - Compressed Air (Rubber)

High Temperature Steel Braid Air Delivery Hose (A181)

Applications

- An exceptionally durable steel braid delivery hose engineered to convey high-temperature, high-pressure compressed air. Built to withstand extreme conditions and designed with high safety margins to ensure prolonged, dependable performance even in the most challenging work environments encountered in mines, quarries, construction, and industrial sites.

Features

- Weather resistant
- High temperature hydraulic oil resistant
- Abrasion resistant

Standards

- SAE 100 R2/DIN-EN 853 2 SN ISO 1307



Dimensions (mm)		Part Numbers		ROD ¹	Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m		Working		Burst			
					PSI	Bar	PSI	Bar		
50.8	66.7	A181050	A181050020	63.5	1130	78	6090	420	630	3.07
63.5	79.8	A181065	A181065020	75.8	1000	69	4350	300	760	3.98
76.2	91.9	A181080	A181080020	87.8	725	50	3480	240	900	4.17

¹ROD - Reinforcement Outer Diameter is the diameter over the wire reinforcement. This dimension is for hydraulic hose as it helps to determine the correct crimping diameter

Product Group: DB42

Heavy-Duty Air Delivery Hose (S191)

Applications

- Designed for the most severe working conditions in mining, quarries, industrial, and construction services. It has a high margin of safety and gives a long and trouble-free service under the most rugged working conditions.

Features

- Ozone resistant
- Weather resistant
- Oil mist resistant
- Abrasion resistant
- Mandrel built
- Mylar layline & embossed tape line

Hose Construction

- Tube: SBR blend - black
- Cover: SBR/EPDM blend - black or yellow
- Reinforcement: high tensile synthetic textile cords

Temperature

- -30°C to 80°C



Black

Dimensions (mm)		Part Numbers	Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Working		Burst			
			PSI	Bar	PSI	Bar		
25.4	36.0	S191025020	300	20	900	60	185	0.82
50.8	65.0	S191050020	300	20	900	60	345	1.89
76.2	91.0	S191080020	300	20	900	60	625	2.13

Product Group: DB03

Yellow



Dimensions (mm)		Part Numbers	Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Working		Burst			
			PSI	Bar	PSI	Bar		
25.4	36.0	S191025Y020	300	20	900	60	185	0.82
50.8	65.0	S191050Y020	300	20	900	60	345	1.89

Product Group: DB03

Industrial Hose - Compressed Air (Rubber)

FRAS Air & Water Delivery Hose (A700)

Applications

- Designed to meet the fire-resistant and antistatic requirements of AS 2660 for air and water delivery in underground coal mines. Also suitable for use in heavy-duty compressed air and water applications in a multitude of industries including mining, construction, and general industrial workshops.

Features

- Ozone resistant
- Weather resistant
- Oil mist resistant
- Abrasion resistant
- Mandrel built
- Fire resistant
- Mylar layline & embossed tape line
- Anti-static as per AS 2660 class B
- Electrically conductive resistance <1MΩ/m

Standards

- AS 2660 Class B, EN ISO 2398 Type A

Hose Construction

- Tube: NBR - black
- Cover: chloroprene blend, smooth - black
- Reinforcement: high tensile synthetic textile cords

Temperature

- 30°C to 70°C

Dimensions (mm)		Part Numbers		Pressure				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
9.5	20.0	A700010	A70001020	300	20	1015	70	120	0.43
12.7	23.0	A700012	A70001220	300	20	1015	70	160	0.43
19.1	30.0	A700020	A70002020	300	20	1015	70	150	0.69
25.4	37.0	A700025	A70002520	300	20	1015	70	200	0.72
31.8	46.0	A700032	A70003220	300	20	1015	70	250	1.10
38.1	54.0	A700040	A70004020	300	20	1015	70	300	1.30
50.8	67.0	A700050	A70005020	300	20	1015	70	400	1.90
63.5	79.0	A700065	A70006520	300	20	1015	70	500	2.50
76.2	94.0	A700080	A70008020	300	20	1015	70	800	3.30
101.6	122.0	A700100	A70010020	300	20	1015	70	900	4.60
152.4	175.0	A700150	A70015020	300	20	1015	70	1000	6.10

Product Code: DB10



FRAS Air & Water Delivery Hose Assemblies (A700)

Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
			PSI	Bar		
ID	OD					
25.4	37.0	A70002520FA	300	20	20	Minsup® A-Type couplings with Minsup® claw clamps
31.8	46.0	A70003220FSL	300	20	20	Minsup® Surelock® couplings with Minsup® claw clamps
38.1	54.0	A70004020FC	250	17	20	Crimped brass male & female camlocks
50.8	67.0	A70005020FCBR	250	17	20	Crimped brass male & female camlocks
50.8	67.0	A70005020FCSS	250	17	20	Crimped stainless steel male & female camlocks
50.8	67.0	A70005020FSL	300	20	20	Minsup® Surelock® couplings with Minsup® claw clamps
101.6	122.0	A70010005FSHCR	100	7	5	Crimped shouldered stems

Product Code: DB10



Crimped Camlock Ends



Crimped Shouldered Ends

Industrial Hose - Compressed Air (Rubber)

Contractors Yellow Air Hose (A102)

Applications

- Crafted with a smooth yellow non-marking cover to enhance visibility, this cost-effective pneumatic air and water hose is tailored for diverse applications in construction, industrial, and agricultural fields. It's particularly well-suited for heavy-duty air compressor usage, seamlessly supporting a wide range of pneumatic equipment such as portable compressors, jackhammers, breakers, and stampers.

Features

- Ozone resistant
- Weather resistant
- Oil mist resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: SBR blend - black
- Cover: SBR blend, smooth - yellow
- Reinforcement - 2 & 4 spiral polyester yarn

Temperature

- -25°C to 75°C



Dimensions (mm)		Part Numbers		Working Pressure		Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	PSI	Bar		
12.7	21.0	A10201220	A102012100	200	14	100	0.39
19.1	31.0	A10202020	A102020100	200	14	155	0.83
25.4	37.0	A10202025	A102025100	200	14	205	0.92

Product Group: DB43

Contractors Yellow Air Hose - Assembly (A102)

Applications

- Economical general purpose air hose assembly. Abrasive, heat, and ozone resistant. Construction and industrial sites, general maintenance.



Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
19.1	31.0	A10202020F	200	14	20	Minsup® A-Type & safety claw clamps
25.4	37.0	A10202520F	200	14	20	Minsup® A-Type & safety claw clamps

Also available with Minsup® Surelock® fittings

Product Group: DB43

Contractors Yellow Air Hose - Whip Hose Assembly (A102)

Applications

- For use on constant vibration pneumatic tools (air drills, pavement breakers, etc.). The heat-treated steel nipple which is connected to the tool withstands vibration and impact for a longer period.
- Connect the other end of the whip hose to the air supply with the quick-acting coupling. The whip hose should remain permanently connected to the tool and should be the same diameter as the supply line hose. Often used in the hire market, construction, road construction, and heavy engineering.



Dimensions (mm)		Part Numbers	Working Pressure		Length (mm)	Description
ID	OD		PSI	Bar		
12.7	21.0	WH15	200	14	600	Minsup® A-Type & safety claw clamps
19.1	31.0	WH20	200	14	600	Minsup® A-Type & safety claw clamps
25.4	37.0	WH25	200	14	600	Minsup® A-Type & safety claw clamps

Also available with Minsup® Surelock® fittings

Product Group: DB43

Industrial Hose - Compressed Air (Rubber)

Hot Air Blower Hose (A340)

Applications

- Designed for conveying hot air with a temperature of up to 180°C from compressors to tanks during the transfer of dry bulk materials, granting a complete discharge of static electricity.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Oil mist resistant
- Mandrel built
- Mylar layline & embossed tape line

Hose Construction

- Tube: EPDM blend - white
- Cover: EPDM blend, smooth - blue
- Reinforcing: high tensile synthetic textile cords, single wire helix

Temperature

- -40°C to 176°C

Dimensions (mm)		Part Number		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
				PSI	Bar	PSI	Bar		
76.2	90.0	A340080	A34008020	150	10	450	30	305	2.75



Product Group: DB11

Air Brake Hose (A103)

Applications

- A high-quality reinforced rubber hose designed to meet the requirements of SAE J1402 A, used specifically for the conveyance of air in truck braking systems.

Features

- Ozone resistant
- Weather resistant
- Pin pricked cover
- Extruded

Hose Construction

- Tube: EPDM blend - black
- Cover: EPDM blend, smooth - black
- Reinforcing: polyester yarn

Temperature

- -20°C to 70°C

Standards

- SAE J1402 (Table 1, Type A)

Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Spool 152m	Working		Burst			
				PSI	Bar	PSI	Bar		
9.5	19.0	A103010	A103010152	290	20	870	60	75	0.30
12.7	22.0	A103012	A103012152	290	20	870	60	100	0.36



Product Group: DB19

Industrial Hose - Compressed Air (PVC)

Superflex Yellow/Blue Hose (H210)

Applications

- Manufactured with excellent flexibility in high visibility yellow with blue stripe, a premium PVC air and water pressure hose is ideal for use in heavy-duty compressed air and water applications in a multitude of industries, including mining, construction and general industrial workshops.

Features

- UV stabilised
- Abrasion resistant
- Oil mist resistant
- Extruded

Hose Construction

- Tube: PVC - black
- Cover: PVC ribbed with single smooth stripe - yellow with blue stripe
- Reinforcement: polyester yarn

Standards

- Conforms to AS/NZS 2554 Class A

Temperature

- -5°C to 60°C



Dimensions (mm)		Part Numbers		Working Pressure		Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	PSI	Bar		
6.4	12.0	H21006020	H21006100	300	20	75	0.12
7.9	14.0	H21008020	H21008100	300	20	95	0.16
9.5	16.0	H21010020	H21010100	300	20	120	0.18
12.7	19.0	H21012020	H21012100	300	20	150	0.22
19.1	28.0	H21020020	H21020100	300	20	240	0.47
25.4	35.0	H21025020	H21025100	300	20	300	0.65
31.8	43.0	H21032020	-	300	20	385	0.88
38.1	50.5	H21040020	-	300	20	480	1.12
50.8	63.5	H21050020	-	300	20	600	1.60

Product Code: DA28

Superflex Yellow/Blue Hose Assemblies (H210)



Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
12.7	19.0	H21012020F	300	20	20	Minsup® A-Type couplings with ring crimp ferrules
25.4	35.0	H21025020F	300	20	20	Minsup® A-Type couplings with band clamps
38.1	50.5	H21040020F	300	20	20	Minsup® Surelock® couplings with band clamps

Product Group: DA28

Safety Yellow Air & Water Delivery Hose (H010)

Applications

- Manufactured with excellent flexibility in high visibility yellow, an economical PVC general-purpose hose, is ideal for use in heavy-duty compressed air and water applications in a multitude of industries including mining, construction and general industrial workshops.

Features

- UV stabilised
- Weather resistant
- Oil mist resistant
- Extruded

Hose Construction

- Tube: PVC - black
- Cover: PVC, ribbed - yellow
- Reinforcement: polyester yarn

Temperature

- 5°C to 60°C

Standards

- Conforms to AS/NZS 2554 Class A

Dimensions (mm)		Part Numbers		Working Pressure		Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	PSI	Bar		
12.7	19.0	H0101220	H01012100	232	16	150	0.22
19.1	28.0	H0102020	H01020100	232	16	240	0.47
25.4	35.0	H0102520	H01025100	232	16	300	0.65
38.1	50.5	H0104020	-	232	16	480	1.12

Product Code: DA28



Safety Yellow Air & Water Delivery Hose Assemblies (H010)

Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
12.7	19.0	H0101220F	232	16	20	Minsup® A-Type couplings with ring crimp ferrules
19.1	28.0	H0102020F	232	16	20	Minsup® A-Type couplings with band clamps
25.4	35.0	H0102520F	232	16	20	Minsup® A-Type couplings with band clamps
38.1	50.5	H0104020F	232	16	20	Minsup® Surelock® couplings with band clamps

Product Group: DA28



Industrial Hose - Compressed Air (PVC)

Blue Air Tool Hose (H030)

Applications

- Tailored for pneumatic air tools, engineered to deliver outstanding flexibility and cost-efficiency. It is also suitable for use with water and mild agricultural chemicals, adding versatility to its functionality. Typically used in industries such as general industrial workshops, agriculture, mining, and construction, providing utility across a broad spectrum of operations.

Features

- UV stabilised
- Oil mist resistant
- Extruded

Hose Construction

- Tube: PVC - white
- Cover: PVC, smooth - blue
- Reinforcement: polyester yarn

Standards

- Conforms to AS/NZS 2554 Class B

Temperature

- 5°C to 60°C



Dimensions (mm)		Part Number		Working Pressure		Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 60m/100m	PSI	Bar		
9.5	16.0	H0301020	H03010100	232	16	120	0.18
12.7	19.0	H0301220	H03012100	232	16	150	0.22

Product Group: DA30

Blue Air Tool Hose Assemblies (H030)



Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
9.5	16.0	H0301010F	232	16	10	Nitto compatible plug and socket hose tails with brass ferrules
9.5	16.0	H0301020F	232	16	20	Nitto compatible plug and socket hose tails with brass ferrules
9.5	16.0	H0301030F	232	16	30	Nitto compatible plug and socket hose tails with brass ferrules

Product Group: DA30

Nylon Self Store Hose Assemblies

Applications

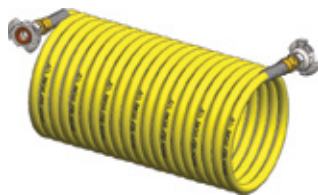
- For use with pneumatic tools and equipment in workshops and manufacturing industries.

Hose Construction

- Tube: PA nylon
- Cover: nylon, smooth - yellow
- Fitted with BSP male ends with spring guards

Temperature

- 40°C to 90°C



Dimensions (mm)		Part Numbers	Working Pressure		Minimum Burst Pressure (PSI)
ID	OD		PSI	Bar	
10	11.5	SSTORE10	175	1.2	700
12	15.0	SSTORE12	175	1.2	700

Product Group: DB19

PVC Nylon 12 Tubing

Applications

- Automotive fuel lines, lubrication lines, vacuum lines, air lines.

Hose Construction

- Tube: PA nylon
- Cover: PA nylon
- Coil length: 100mtrs

Standards

- Material PA12 Shore 65D as per DIN 74324

Temperature

- 40°C to 90°C

Flexible Nylon 12 Tubing - Metric

Dimensions (mm)		Part Numbers		Working Pressure		Burst Pressure (PSI)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Black	Natural	PSI	Bar			
2.7	4.0	NYM004100	NYM004N100	290	20	1160	20	7.06
3.3	5.0	NYM005100	NYM005N100	290	20	1160	25	11.43
4.0	6.0	NYM006100	NYM006N100	290	20	1160	30	16.20
5.2	8.0	NYM008100	NYM008N100	290	20	1160	40	29.94
6.6	10.0	NYM010100	NYM010N100	290	20	1160	50	45.72
8.0	12.0	NYM012100	NYM012N100	290	20	1160	60	64.80

Product Code: DA02



Flexible Nylon 12 Tubing - Imperial

Dimensions (mm)		Part Numbers		Working Pressure		Burst Pressure (PSI)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Black	Natural	PSI	Bar			
2.2	1/8	NYI004100	NYI004N100	250	17	1000	20	4.18
3.2	3/16	NYI005100	NYI005N100	250	17	1000	25	10.37
4.3	1/4	NYI006100	NYI006N100	250	17	1000	30	17.61
5.5	5/16	NYI008100	NYI008N100	250	17	1000	40	27.34
6.5	3/8	NYI010100	NYI010N100	250	17	1000	50	38.88
8.8	1/2	NYI012100	NYI012N100	250	17	1000	60	67.92
12.5	5/8	NYI016100	-	250	17	1000	90	78.21
15.0	3/4	NYI020100	-	250	17	1000	120	110.16

Product Code: DA02

Semi-Rigid Nylon 12 Tubing - Imperial

Standards

- Material PA 12 Shore 74D as per DIN 73378/74324

Dimensions (mm)		Part Numbers	Working Pressure		Burst Pressure (PSI)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD		PSI	Bar			
2.0	1/8	NYS003100	620	43	2500	20	4.18
2.8	3/16	NYS005100	620	43	2500	25	10.37
3.8	1/4	NYS006100	620	43	2500	30	17.61
4.7	5/16	NYS008100	620	43	2500	40	27.34
5.7	3/8	NYS010100	620	43	2500	50	38.88
7.7	1/2	NYS012100	620	43	2500	60	67.92

Product Code: DA02



Industrial Hose - Compressed Air (PVC)

FRAS Air & Water Delivery Hose (H120)

Applications

- Engineered with excellent flexibility and crafted in a high-visibility yellow, this high-quality PVC hose features black carbon strips that connect to the conductive inner tube. Specifically designed for demanding compressed air and water applications, it meets the strict FRAS (Fire Resistance Anti-Static) standards necessary for coal mines.

Features

- UV stabilised
- Abrasion resistant
- Oil mist resistant
- Extruded

Standards

- Conforms to AS 2660 Class A

Hose Construction

- Tube: PVC - black, conductive
- Cover: PVC ribbed with carbon strips - yellow
- Reinforcement: polyester yarn

Temperature

- 5°C to 60°C



Dimensions (mm)		Part Numbers		Working Pressure		Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 60m/100m	PSI	Bar		
9.5	16.0	H1201020	H12010100	300	20	120	0.18
12.7	20.0	H1201220	H12012100	300	20	150	0.22
19.1	28.0	H1202020	H12020100	300	20	240	0.47
25.4	35.0	H1202520	H12025100	300	20	300	0.65
38.1	50.5	H1204020	H12040100	300	20	480	1.12
50.8	63.5	H1205020	-	300	20	600	1.60

Product Code: DA10

FRAS Air & Water Delivery Hose Assemblies (H120)



Minsup® A-Type Ends



Minsup® Surelock® Ends

Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
12.7	22	H1201220FA	300	20	20	Minsup® A-Type couplings with Minsup® claw clamps
12.7	22	H1201230FA	300	20	30	Minsup® A-Type couplings with Minsup® claw clamps
25	34	H1202520FA	300	20	20	Minsup® A-Type couplings with Minsup® claw clamps
25	34	H1202530FA	300	20	30	Minsup® A-Type couplings with Minsup® claw clamps
50	63	H1205020F	300	20	20	Minsup® Surelock® couplings with Minsup® claw clamps

Product Group: DA10

Industrial Hose - Multi-Purpose (Rubber)

Multi-Purpose Non-Conductive Hose (A104)

Applications

- Designed with economy in mind, this high quality non-conductive, multi-purpose, extruded rubber hose is the perfect choice for conveying air, oil, water, kerosene, some chemicals and many other applications where the need for oil resistance is high. The versatility of this hose makes it an excellent choice in a range of applications and industries.

Features

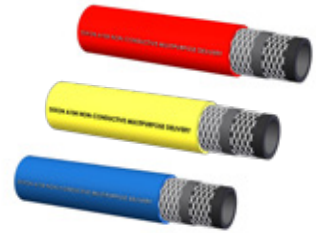
- Red, yellow and blue covers allow for colour coding where cross contamination of media can affect the safe operation of plant equipment
- UV stabilised
- Oil mist resistant
- Non-conductive

Hose Construction

- Tube: NBR blend - black
- Cover: NBR blend - red, yellow or blue
- Reinforcing: polyester yarn

Temperature

- 20°C to 100°C



Hose Specifications (A104)

Dimensions (mm)		Pressures				Bend Radius (mm)	Weight (kg/mtr)
		Working		Burst			
ID	OD	PSI	Bar	PSI	Bar		
6.4	15.9	300	20	1200	80	50	0.29
7.9	17.0	300	20	1200	80	65	0.28
9.5	18.2	300	20	1200	80	75	0.30
12.7	22.0	300	20	1200	80	100	0.40
15.9	26.0	300	20	1200	80	125	0.52
19.1	30.2	300	20	1200	80	155	0.67
25.4	38.0	300	20	1200	80	205	1.00
31.8	45.0	250	17	1000	68	255	1.25
38.1	53.0	250	17	1000	68	305	1.68
50.8	67.0	200	14	800	56	405	2.36

Red

Dimensions (mm)		Part Numbers			
ID	OD	Cut Length	Coil 20m	Coil 30m	Coil 100m
6.4	15.9	A104006	A104006020	-	A104006100
7.9	17.0	A104008	A104008020	-	A104008100
9.5	18.2	A104010	A104010020	-	A104010100
12.7	22.0	A104012	A104012020	-	A104012100
15.9	26.0	A104016	A104016020	-	A104016100
19.1	30.2	A104020	A104020020	-	A104020100
25.4	38.0	A104025	A104025020	-	A104025100
31.8	45.0	A104032	-	A10403230	-
38.1	53.0	A104040	-	A10404030	-
50.8	67.0	A104050	-	A10405030	-



Product Group: DB18

Industrial Hose - Multi-Purpose (Rubber)

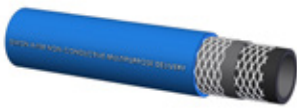
Yellow



Dimensions (mm)		Part Numbers		
ID	OD	Cut Length	Coil 20m	Coil 100m
9.5	18.2	A104010YE	A104010YE020	A104010YE100
12.7	22.0	A104012YE	A104012YE020	A104012YE100
19.1	30.2	A104020YE	A104020YE020	A104012YE100
25.4	38.0	A104025YE	A104025YE020	A104025YE100

Product Group: DB18

Blue



Dimensions (mm)		Part Numbers		
ID	OD	Cut Length	Coil 20m	Coil 100m
9.5	18.2	A104010BL	A104010BL020	A104010BL100
12.7	22.0	A104012BL	A104012BL020	A104012BL100
19.1	30.2	A104020BL	A104020BL020	A104020BL100
25.4	38.0	A104025BL	A104025BL100	A104025BL100

Product Group: DB18

General-Purpose Hose (A101)

Applications

- General purpose air/water delivery hose primarily used in industrial, agriculture, and construction markets where oil is not considered a significant factor.

Features

- Abrasion resistant
- Ozone resistant
- Weather resistant
- Oil mist resistant
- Extruded

Hose Construction

- Tube: SBR blend - black
- Cover: SBR blend, smooth - black
- Reinforcing: polyester yarn

Temperature

- -20°C to 70°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	Working		Burst			
				PSI	Bar	PSI	Bar		
6.4	13.0	A101006020	A101006100	200	14	696	48	50	0.19
7.9	15.0	A101008020	A101008100	200	14	696	48	65	0.22
9.5	17.2	A101010020	A101010100	200	14	696	48	75	0.30
12.7	22.0	A101012020	A101012100	200	14	696	48	100	0.47
15.9	25.0	A101016020	A101016100	200	14	696	48	125	0.51
19.1	29.4	A101020020	A101020100	200	14	696	48	155	0.65
25.4	36.5	A101025020	A101025100	200	14	696	48	205	0.97

Product Group: DB19

TPR/Food Grade Hose (H020)

Applications

- Manufactured from high-quality PVC, boasting outstanding flexibility, featuring a glass-clear translucent appearance with a hint of blue, ensuring excellent visibility of transferred products. This versatile hose is perfectly suited for a wide range of applications, including the transfer of air, water, food and beverage items, as well as petroleum products. It finds utility across various industries such as food production, mining, construction, general industrial and agricultural sectors. Not suitable as a permanent fuel line.

Features

- UV stabilised
- Abrasion resistant
- Oil mist resistant
- Extruded

Hose Construction

- Tube: PVC - transparent
- Cover: PVC smooth - transparent
- Reinforcement: polyester yarn with red spiral tracer

Temperature

- 5°C to 60°C

Standards

- AS/NZS 2554 Class C

Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	Working		Burst			
				PSI	Bar	PSI	Bar		
6.4	12.0	H02006020	H02006100	232	16	928	64	75	0.12
7.9	14.0	H02008020	H02008100	232	16	928	64	95	0.16
9.5	16.0	H02010020	H02010100	232	16	928	64	120	0.18
12.7	19.0	H02012020	H02012100	232	16	928	64	150	0.22
15.9	24.0	H02016020	H02016100	232	16	928	64	180	0.32
19.1	28.0	H02020020	H02020100	232	16	928	64	240	0.47
25.4	35.0	H02025020	H02025100	232	16	928	64	300	0.65
31.8	43.0	H02032020	H02032100	150	10	600	40	385	0.88
38.1	50.5	H02040020	H02040100	150	10	600	40	480	1.12
50.8	63.5	H02050020	H02050100	150	10	600	40	600	1.60



Product Group: DA01

All Rounder (Chemical, Air & Water) Hose (H140)

Applications

- Designed with outstanding chemical resistance suitable for agricultural chemical spraying, ideal for dispensing weedicide and pesticide. Its versatility extends beyond agriculture to accommodate a multitude of industries, allowing for the handling of air, water, and petroleum-based products with ease.

Features

- UV stabilised
- Oil mist resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC/NBR blend - black
- Cover: PVC smooth - blue with yellow stripe
- Reinforcing: polyester yarn

Temperature

- 5°C to 60°C

Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	Working		Burst			
				PSI	Bar	PSI	Bar		
6.4	12.0	H14006020	H14006100	300	20	928	64	75	0.12
7.9	14.0	H14008020	H14008100	300	20	928	64	95	0.16
9.5	16.0	H14010020	H14010100	300	20	928	64	120	0.18
12.7	19.0	H14012020	H14012100	300	20	928	64	150	0.22
19.1	28.0	H14020020	H14020100	300	20	928	64	240	0.47
25.4	35.0	H14025020	H14025100	300	20	928	64	300	0.65



Product Group: DA27

Industrial Hose - Multi-Purpose (PVC)

Clear Vinyl Tube - CVT (H160)

Applications

- Manufactured from high-quality materials to AS2070 standards and FDA-approved. This transparent, unreinforced hose offers excellent clarity and flexibility, with a smooth bore that reduces friction loss and residue buildup. It is suitable for low-pressure liquid transfer, and its transparency allows for easy visual identification of blockages or foreign objects. Ideal for sight gauges, drainage, beverage transfer, fish tank/pond aeration, hardware and numerous other applications.

Features

- Oil mist resistant
- Abrasion resistant
- UV stabilised
- Non-toxic, food grade FDA-approved

Hose Construction

- Tube: PVC non-toxic - transparent/blue tint

Temperature

- -10°C to 60°C

Standards

- AS 2070 for food contact hoses. Meets EEC Directive 90/128 for articles intended for contact with foodstuffs, US FDA 21CFR



Dimensions (mm)		Part Numbers			Working Pressure		Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 15m	Coil 30m	Spool	PSI	Bar		
3.1	5.1	-	H1600330C	-	114	8	n/a	0.02
4.8	7.8	-	H1600530C	H16005100S	87	6	n/a	0.03
6.4	9.4	-	H1600630C	H16006100S	72	5	n/a	0.04
7.9	10.9	-	H1600830C	H16008100S	58	4	n/a	0.05
9.5	12.5	-	H1601030C	H1601075R	58	4	n/a	0.07
12.7	15.7	-	H1601230C	H1601250S	58	3	n/a	0.12
15.9	19.9	-	H1601630C	-	43	3	n/a	0.14
19.1	23.1	-	H1601930C	-	43	3	n/a	0.16
25.4	31.4	-	H1602530C	-	29	2	n/a	0.32
31.8	37.8	-	H1603230C	-	29	2	n/a	0.40
38.1	46.1	H1604015C	-	-	29	2	n/a	0.56
50.8	60.8	H1605015C	-	-	29	2	n/a	1.00

Product Code: DA20



Metalflex Suction Hose (ARM)

Applications

- A lightweight suction and delivery hose, reinforced with a steel helix. Highly flexible with exceptional resistance to kinks, abrasion, and crushing. Perfect for use with vacuum pumps, agricultural machinery, irrigation systems, chemical plants, and for transferring foodstuffs and potable water.

Features

- UV stabilised
- Abrasion resistant
- Non-toxic, food grade FDA-approved

Hose Construction

- Cover: PVC non-toxic - transparent
- Tube: PVC non-toxic, smooth - transparent
- Reinforcement: embedded steel helix

Temperature

-15°C to 60°C

Dimensions (mm)		Part Numbers	Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Working		Burst				
			PSI	Bar	PSI	Bar			
12.7	17.8	ARM012020	102	7	306	21	0.9	25	0.18
15.9	22.2	ARM016020	87	6	261	18	0.9	35	0.23
19.1	26.3	ARM020020	73	5	219	15	0.9	50	0.34
25.4	33.2	ARM025020	73	5	219	15	0.9	60	0.51
31.8	40.4	ARM032020	57	4	171	12	0.9	75	0.65
35.0	43.6	ARM035020	57	4	171	12	0.9	80	0.73
38.1	47.0	ARM038020	57	4	171	12	0.9	90	0.80
45.0	54.4	ARM045020	43	3	129	9	0.9	105	1.10
50.8	60.2	ARM050020	43	3	129	9	0.8	125	1.20
63.5	75.8	ARM063020	43	3	129	9	0.7	150	1.95
76.2	89.3	ARM080020	29	2	87	6	0.7	220	2.70
101.6	116.0	ARM100020	29	2	87	6	0.6	300	3.40
152.4	169.0	ARM150020	29	2	60	5	0.5	460	6.35



Product Code: DA14

Value Add Service

Dixon offer a range of value add services for all your engineering needs, including:

Hose Assemblies

At Dixon Asia Pacific, we specialise in the construction of hose assemblies that can be fitted, tested and tagged with the ability to crimp hose up to 12". Our hose assemblies adhere to the applicable NAHAD or Australian standard, ensuring full compliance. Operating hose centres in Adelaide, Perth, and Sydney, Dixon are committed to delivering quality and compliant hose solutions to their valued customers. As part of our quality assurance, our training programs and procedures strictly adhere to ISO9001 standards.

Testing

We offer complete pressure testing including pneumatic, hydrostatic and destructive testing. Metrology including continuity testing. All work is performed using calibrated equipment to ensure the highest standard of work.

Machining Services

Manual lathe and milling.

Metal Polishing & Passivation

Mechanical polishing, electro polishing, chemical treatment and sand blasting.

Assembly Work

Crimping hose assemblies up to 12".

Welding Services

MIG, TIG, braze and purge weld a range of different materials including stainless steel, steel, aluminium and brass.

Fabrication Work

Customised pipework and fittings to suit a range of industries including sanitary, marine, mining and many more.

Industrial Hose - Hydrocarbon (Rubber)

Petrol & Oil Delivery Hose (A450)

Applications

- Specially designed for the transfer of petroleum/oil products with a maximum of 50% aromatic content. Typically used on tank trucks and in general industrial applications. Suitable for use in some reeling applications.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Oil mist resistant
- Mandrel built
- Antistatic copper wire

Hose Construction

- Tube: NBR - black
- Cover: SBR/EPDM blend - black
- Reinforcement: high tensile synthetic textile cords

Temperature

- -35°C to 80°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar		
19.1	30.0	A450020	A45002020	150	10	450	30	240	0.62
25.4	37.0	A450025	A45002520	150	10	450	30	300	0.82
31.8	44.0	A450032	A45003220	150	10	450	30	385	1.05
38.1	51.0	A450040	A45004020	150	10	450	30	455	1.29
50.8	64.0	A450050	A45005020	150	10	450	30	610	1.64
63.5	75.0	A450065	A45006520	150	10	450	30	760	1.76
76.2	90.0	A450080	A45008020	150	10	450	30	910	2.47

Product Code: DB20

Fuel Reeling Delivery Hose (A453)

Applications

- Specially designed for the transfer of petroleum/oil products with a maximum of 50% aromatic content. Typically used on tank trucks and in reeling applications requiring compliance with EN1360 Type 1 and AS2683 Type 4.

Features

- Resistant to ozone & weather
- Abrasion resistant
- Oil mist resistant
- Mandrel built
- Conductive tube & cover

Hose Construction

- Tube: NBR conductive - black
- Cover: CR conductive, smooth - black
- Reinforcement: high tensile synthetic textile cords

Temperature

- -30°C to 70°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 30m	Coil 60m	Working		Burst			
ID	OD	Coil 30m	Coil 60m	PSI	Bar	PSI	Bar		
25.4	36.0	A45302530	A45302560	232	16	696	48	150	0.74
31.8	44.0	A45303230	A45303260	232	16	696	48	175	1.10
38.1	51.0	A45303830	A45303860	232	16	696	48	225	1.24
50.8	67.0	A45305030	A45305060	232	16	696	48	350	1.64

Product Code: DB20

Petrol & Oil Suction/Delivery Hose (A430)

Applications

- Specially designed for the transfer of petroleum/oil products with a maximum of 50% aromatic content, typically used on tank trucks and in general industrial applications for both suction and delivery. Also suitable for use as hydraulic oil return lines and for marine wet exhaust and bilge pump connections.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Fuel/oil resistant up to 50% aromatic content
- Mandrel built
- Antistatic copper wire

Hose Construction

- Tube: NBR - black
- Cover: SBR/EPDM blend, smooth - black
- Reinforcement: high tensile synthetic textile cords with double wire helix, antistatic copper wire

Temperature

- -35°C to 80°C

Dimensions (mm)		Part Numbers		Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI			
19.1	30.0	A430020	A430020020	150	10	450	0.93	80	0.68
22.0	32.0	A430022	A430022020	150	10	450	0.93	90	0.70
25.4	37.0	A430025	A430025020	150	10	450	0.93	105	0.75
31.8	46.0	A430032	A430032020	150	10	450	0.93	135	1.12
35.0	46.5	A430035	A430035020	150	10	450	0.93	150	1.26
38.1	49.0	A430040	A430040020	150	10	450	0.93	165	1.32
42.0	54.0	A430042	A430042020	150	10	450	0.93	195	1.47
45.0	57.0	A430045	A430045020	150	10	450	0.93	205	1.56
48.0	62.0	A430048	A430048020	150	10	450	0.93	215	1.84
50.8	63.0	A430050	A430050020	150	10	450	0.93	230	1.75
55.0	68.0	A430055	A430055020	150	10	450	0.93	250	2.02
60.0	73.0	A430060	A430060020	150	10	450	0.93	275	2.19
63.5	76.0	A430065	A430065020	150	10	450	0.93	290	2.42
70.0	83.0	A430070	A430070020	150	10	450	0.93	330	2.71
76.2	89.0	A430080	A430080020	150	10	450	0.93	360	2.92
90.0	105.0	A430090	A430090020	150	10	450	0.93	440	3.68
102.0	118.0	A430100	A430100020	150	10	450	0.93	510	4.90

Product Code: DB20



Fuel Hose (A115)

Applications

- A high quality reinforced rubber hose designed to meet the requirements of SAE 30R7, suitable for a range of applications such as flexible fuel lines, PCV connections, emission control lines, or fuel return lines. Compatible with fuels containing a maximum of 50% aromatic content including leaded and unleaded gasoline, diesel fuel, and gasoline blends of ethanol (E-10).

Features

- Ozone resistant
- Weather resistant
- Oil resistant
- Extruded

Hose Construction

- Tube: NBR - black
- Cover: NBR blend, smooth - black
- Reinforcing: polyester yarn

Temperature

- -20°C to 70°C

Dimensions (mm)		Part Numbers	Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Working		Burst			
ID	OD		PSI	Bar	PSI	Bar		
4.8	11.0	A11505	100	7	400	28	40	0.12
6.4	13.0	A11506	100	7	400	28	50	0.15
7.9	15.0	A11508	100	7	400	28	65	0.19
9.5	17.0	A11510	100	7	400	28	75	0.23
12.7	20.0	A11512	100	7	400	28	100	0.28

Product Group: DB13



Industrial Hose - Hydrocarbon (Rubber)

Fuel Bowser Hose (A420)

Applications

- Designed in compliance with EN1360 Type 3 and UL 330, this product is specifically intended for dispensing a variety of petroleum and fuel oils, including regular and premium gasoline and diesel.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Flame, fuel, and oil resistant
- Tested for -54°C in accordance with UL 330

Hose Construction

- Tube: NBR blend - black
- Cover: synthetic rubber, smooth - black
- Reinforcement: high tensile steel wire braid

Standards

- EN1360 Type 3, UL 330

Temperature

- 54°C to 85°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
				PSI	Bar	PSI	Bar		
15.9	25.4	A420020	A42002020	232	16	696	48	89	0.58
19.1	28.6	A420025	A42002520	232	16	696	48	89	0.66
25.4	34.9	A420032	A42003220	232	16	696	48	89	0.82

Product Code: DB13

Dual-Grip® Reattachable Couplings for Bowser Hose

Applications

- Two-piece re-attachable coupling made of chrome-plated brass for pump hose. A worn portion of the hose can be removed and Dual-Grip® can be applied. Easy assembly - the hose is held in position by the sleeve as the body is threaded home. Only a wrench is required to assemble the Dual-Grip®. Caution - reattach static wire if required.

Design

- The streamlined design prevents damage to the hose and fits smartly on new pump equipment
- Wide, flat surfaces of body threads protect the inside of the hose from breaking
- Tapered surfaces of sleeve and body cradle hose, prevent one-point strain from flexing
- The hose is gripped on its full circumference in two places, ensuring a rigid leakproof connection

Working Pressure

- 300 PSI



Size			Part Numbers
Hose ID (mm)	NPT Male (inch)	Hose OD (mm)	
15.9	¾	25.4	850212
19.1	¾	28.6	850451
25.4	1"	34.9	850841

Product Code: AU05

Drum Pump Hose (H110)

Applications

- Manufactured from high-quality PVC featuring excellent flexibility and durability, designed specifically for dispensing fuel and oil from overhead tanks and drums.

Features

- UV stabilised
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC - black
- Cover: PVC smooth - black
- Reinforcement: polyester yarn

Temperature

- -5°C to 60°C

Dimensions (mm)		Part Numbers	Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Working		Burst			
			PSI	Bar	PSI	Bar		
25.4	34.0	H1102520	150	10	600	40	155	035
31.8	42.0	H1103220	150	10	600	40	320	090

Product Code: DA09



Petrol & Oil Suction/Delivery Hose (AUSBHD)

Applications

Heavy-duty suction and delivery of oils, oil slurry, grease, diesel fuel, light chemicals and lubricants. Particularly suited for liquid waste transfer, grease trap and septic tank cleaning applications.

Features

- UV stabilised
- Abrasion resistant
- Oil resistant
- High impact resistance
- Extruded

Hose Construction

- Tube: PVC/NBR blend - blue
- Cover: PVC/NBR blend, smooth - blue
- Reinforcing: Embedded rigid PVC helix - blue

Temperature

- -40°C to 65°C

Dimensions (mm)		Part Numbers		Working Pressure		Vacuum (bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	PSI	Bar			
25.4	31.5	-	AUS025BHD020	90	6	1.0	75	0.39
31.8	39.1	-	AUS032BHD020	80	6	1.0	105	0.51
38.1	46.2	-	AUS040BHD020	75	5	1.0	155	0.65
50.8	60.7	AUS050BHD	AUS050BHD020	75	5	1.0	205	1.10
63.5	74.4	AUS065BHD	AUS065BHD020	75	5	1.0	255	1.50
76.2	87.1	AUS076BHD	AUS076BHD020	60	4	1.0	305	1.80
101.6	115.1	AUS100BHD	AUS100BHD020	50	4	1.0	380	3.00
152.4	169.4	AUS150BHD	AUS150BHD020	30	2	1.0	635	5.51

Product Code: DA12



Industrial Hose - Water & Non-Corrosive Liquids (Rubber)

Water Delivery Hose (A200)

Applications

- Delivery hose for water and non-corrosive liquids. Used in construction, mining and general dewatering applications.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Mandrel built
- Mylar layline & embossed tape line

Hose Construction

- Tube: SBR - black
- Cover: SBR/EPDM blend, smooth - black
- Reinforcement: high tensile synthetic textile cords with single wire helix

Temperature

- -30°C to 80°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
				PSI	Bar	PSI	Bar		
12.7	21.0	A200012	A20001220	150	10	435	30	127	0.32
19.1	27.0	A200020	A20002020	150	10	435	30	190	0.45
25.4	33.0	A200025	A20002520	150	10	435	30	255	0.54
31.8	41.0	A200032	A20003220	150	10	435	30	320	0.79
38.1	47.0	A200040	A20004020	150	10	435	30	380	0.93
50.8	60.0	A200050	A20005020	150	10	435	30	510	1.14
58.0	69.0	A200058	A20005820	150	10	435	30	590	1.35
63.5	74.0	A200065	A20006520	150	10	435	30	635	1.67
76.2	87.0	A200080	A20008020	150	10	435	30	760	2.07
90.0	102.0	A200090	A20009020	150	10	435	30	761	2.66
101.6	114.0	A200100	A20010020	150	10	435	30	1015	2.87
127.0	140.0	A200125	A20012520	150	10	435	30	1270	3.82
152.4	164.0	A200150	A20015020	150	10	435	30	1525	4.21
203.2	216.0	A200200	A20020020	150	10	435	30	n/a	6.03

Product Code: DB20

Water Delivery Hose Assemblies (A200)



Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
50.8	60.0	A20005020F	150	10	20	Minsup® Surelock® couplings with two bolt clamps
101.6	114.0	A20010005F	150	10	5	Aluminium camlock coupler/adaptor with double bolt clamps
101.6	114.0	A20010010F	150	10	10	Aluminium camlock coupler/adaptor with double bolt clamps
101.6	114.0	A20010020F	150	10	20	Aluminium camlock couplers with stainless steel t-bolt clamps

Product Group: DB20

Industrial Hose - Water & Non-Corrosive Liquids (Rubber)

Water Suction/Delivery Hose (A210)

Applications

- Water and light slurry suction and delivery hose used in construction, mining, dewatering, irrigation, and municipal applications.

Features

- Ozone resistant
- Weather resistant
- Oil mist resistant
- Abrasion resistant
- Mandrel built

Hose Construction

- Tube: SBR - black
- Cover: SBR/EPDM blend, smooth - black
- Reinforcement: high tensile synthetic textile cords and steel wire helix

Temperature

- 30°C to 80°C

Dimensions (mm)		Part Numbers		Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst				
ID	OD	Cut Length	Coil 20m	PSI	Bar	PSI	Bar			
19.1	28.0	A210020	A21002020	150	10	435	30	0.9	70	0.58
25.4	34.0	A210025	A21002520	150	10	435	30	0.9	95	0.70
31.8	42.0	A210032	A21003220	150	10	435	30	0.9	125	1.00
38.1	48.0	A210038	A21003820	150	10	435	30	0.9	150	1.23
50.8	62.0	A210050	A21005020	150	10	435	30	0.9	215	1.70
63.5	75.0	A210065	A21006520	150	10	435	30	0.9	280	2.17
76.2	89.0	A210080	A21008020	150	10	435	30	0.9	350	3.01
90.0	105.0	A210090	A21009020	150	10	435	30	0.9	440	4.00
101.6	115.0	A210100	A21010020	150	10	435	30	0.9	490	4.27
127.0	142.0	A210125	A21012520	150	10	435	30	0.9	650	5.87
152.4	168.0	A210150	A21015020	150	10	435	30	0.9	760	7.68
203.2	222.0	A210200	A21020020	150	10	435	30	0.9	1120	12.33
254.0	275.0	A210250	A210250010	150	10	435	30	0.9	1525	17.74



Product Code: DB16

Water Suction/Delivery Hose (A210)

Dimensions (mm)		Part Numbers	Length (mtr)	Pressures				Bend Radius (mm)	Vacuum (Bar)	Weight (kg/mtr)
ID	OD			Working		Burst				
ID	OD			PSI	Bar	PSI	Bar			
152.4	168.0	A210150L3	3	150	10	435	30	760	0.9	7.68
152.4	166.0	A210200L3	3	150	10	435	30	1120	0.9	12.33

Product Code: DB17

Water Suction/Delivery Hose Assemblies (A210)

Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
50.8	62.0	A2100502F	150	10	2	Aluminium camlock coupler/adaptor with double bolt clamps
50.8	62.0	A210050020FSKC	150	10	20	Minsup® Surelock® couplings with crimped ferrule
101.6	115.0	A210100F	150	10	6	Bauer male and female spigot with closure ring crimped
152.4	168.0	A210150F	150	10	3	Bauer male and female spigot with closure ring crimped
203.2	222.0	A210200F	150	10	3	Bauer male and female spigot with closure ring crimped



Product Group: DB16

Industrial Hose - Water & Non-Corrosive Liquids (Rubber)

Water Contractors Suction Hose (A214)

Applications

- Delivery hose for water and non-corrosive liquids. Used in construction, mining and general dewatering applications.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Oil mist resistant
- Mandrel built

Hose Construction

- Tube: SBR - black
- Cover: SBR/EPDM blend - black
- Reinforcement: high tensile synthetic textile cords, single wire helix

Temperature

- -30°C to 80°C



Dimensions (mm)		Part Numbers		Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	PSI	Bar			
76.2	87.0	A214080	A214750020	75	5	0.8	305	2.68
101.6	115.0	A214100	A214100020	75	5	0.8	500	3.59
127.0	142.0	A214125	A214125020	75	5	0.8	750	5.61
152.4	168.0	A214150	A214150020	75	5	0.8	960	7.04
203.2	225.0	A214200	A214200020	75	5	0.8	1200	9.24

Product Code: DB17

Water Contractors Suction Hose (A214) Cuffed



Dimensions (mm)		Part Numbers	Length (mtr)	Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD			PSI	Bar			
101.6	115.0	A214100L6	6	75	5	0.8	500	3.59
127.0	142.0	A214150L3	3	75	5	0.8	750	5.61
152.4	168.0	A214200L3	3	75	5	0.8	960	7.04

Product Code: DB17

Water Contractors Suction Hose Assembly (A214) Cuffed



Dimensions (mm)		Part Numbers	Length (mtr)	Description
ID	OD			
101.6	115.0	A214075F	6	Bauer male and female spigot with closure ring
127.0	142.0	A214100F	6	Bauer male and female spigot with closure ring
152.4	168.0	A214150F	3	Bauer male and female spigot with closure ring
203.2	225.0	A214200F	3	Bauer male and female spigot with closure ring

Product Group: DB17

Industrial Hose - Water & Non-Corrosive Liquids (Rubber)

FRAS Air & Water Delivery Hose (A710)

Applications

- Designed to meet the fire-resistant and anti-static (FRAS) requirements of AS 2660 for air and water suction and discharge in underground coal mines. Also suitable for use as a water and light slurry suction and delivery hose in construction, mining, dewatering, irrigation, and municipal applications.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Mandrel built

Hose Construction

- Tube: NBR blend - black
- Cover: chloroprene blend - black
- Reinforcement: high tensile synthetic textile cords and steel wire helix

Temperature

- -30°C to 70°C

Dimensions (mm)		Part Numbers		Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst				
				PSI	Bar	PSI	Bar			
38.1	48.0	A710040	A71004020	150	10	450	30	0.93	150	1.22
50.8	63.0	A710050	A71005020	150	10	450	30	0.93	215	1.95
63.5	75.0	A710065	A71006520	150	10	450	30	0.93	280	2.31
76.2	89.0	A710080	A71008020	150	10	450	30	0.93	350	2.99
101.6	116.0	A710100	A71010020	150	10	450	30	0.93	490	4.15
152.4	168.0	A710150	A71015020	150	10	450	30	0.93	760	8.53

Product Group: DB10



FRAS Air & Water Delivery Hose Assemblies (A710)

Dimensions (mm)		Part Numbers	Length (mtr)	Description
ID	OD			
50.8	63.0	A71005002FC	2	Aluminium camlock coupler/adaptor with crimp ferrules
50.8	63.0	A71005003FCB	3	Brass camlock coupler/adaptor with t-bolt clamps
50.8	63.0	A71005003FCBR	3	Brass camlock coupler/adaptor with crimp ferrules
50.8	63.0	A71005003FCSS	3	Stainless steel camlock coupler/adaptor with crimp ferrules
50.8	63.0	A71005005FC	5	Aluminium camlock coupler/adaptor with crimp ferrules
50.8	63.0	A71005005FCBR	5	Brass camlock coupler/adaptor with crimp ferrules
50.8	63.0	A71005005FCSS	5	Stainless steel camlock coupler/adaptor with crimp ferrules
76.2	89.0	A71008002FC	2	Aluminium camlock coupler/adaptor with crimp ferrules
76.2	89.0	A71008003FC	3	Aluminium camlock coupler/adaptor with crimp ferrules
76.2	89.0	A71008005FC	5	Aluminium camlock coupler/adaptor with crimp ferrules
76.2	89.0	A71008020FC	20	Aluminium camlock coupler/adaptor with crimp ferrules
152.4	168.0	A710150X3FSH	3	Shouldered with crimp ferrules

Product Group: DB10



Crimped Camlock Ends

Industrial Hose - Water & Non-Corrosive Liquids (PVC)

White Washdown Delivery Hose (H060)

Applications

- Designed with superior flexibility and crafted from premium PVC, this hose is specifically tailored for low-pressure, cold-water delivery, making it an ideal choice for washdown purposes. In settings such as dairies, abattoirs, and marine environments. It also serves exceptionally well for general watering tasks in parks, sports fields, and gardens.

Features

- UV stabilised
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC - blue
- Cover: PVC smooth - white
- Reinforcement: polyester yarn

Temperature

- -5°C to 60°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
12.7	19.0	H0601220	H06012100	150	10	600	40	150	0.22
19.1	27.0	H0602020	H06020100	150	10	600	40	240	0.41
25.4	34.0	H0602520	H06025100	150	10	600	40	300	0.56
31.8	43.0	H0603220	H06032100	150	10	600	40	380	0.90
38.1	50.5	H0604020	H06040100	150	10	600	40	480	1.00

Product Code: DA05

Fire Reel Hose (H080)

Applications

- Designed with excellent flexibility, UV resistance, and self-extinguishing capabilities, this product is manufactured in accordance with AS/NZS 1221:1997 standards, specifically tailored for utilisation on fire reels.

Features

- UV stabilised
- Abrasion resistant
- Self extinguishing properties

Hose Construction

- Tube: PVC - black
- Cover: PVC ribbed - black
- Reinforcement: polyester yarn

Temperature

- -5°C to 60°C

Standards

- Conforms to AS/NZS 1221:1997



Dimensions (mm)		Part Numbers			Working Pressure		Bend Radius (mm)	Weight (kg/mtr)
					PSI	Bar		
ID	OD	Coil 20m	Coil 36m	Coil 100m				
19.1	26.0	H0802020	H0802036	H08020100	145	10	228	0.37
25.4	33.0	H0802520	H0802536	H08025100	145	10	300	0.55

Product Group: DA06

Industrial Hose - Water & Non-Corrosive Liquids (PVC)

Premium Garden Delivery Hose (H134)

Applications

- This premium-quality garden hose is manufactured in accordance with AS 2620 standards, offering excellent flexibility and superior kink resistance for easy handling, even in low temperatures. It is ideal for water delivery in various domestic and municipal applications.

Features

- UV stabilised
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC - black
- Cover: PVC, smooth - black
- Reinforcement: polyester yarn

Standards

- Conforms to AS 2620

Temperature

- 5°C to 60°C

Dimensions (mm)		Part Numbers			Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 18m	Coil 30m	Coil 100m	PSI	Bar			
12.0	17.0	H1341218	H1341230	H13412100	175	12	n/a	144	0.16
18.0	23.0	H1341818	H1341830	H13418100	175	12	n/a	216	0.24

Product Group: DA22



Heavy-Duty Garden Delivery Hose (H135)

Applications

- This heavy-duty garden hose is manufactured in accordance with AS 2620 standards, offering good flexibility and kink resistance for easy handling, even in low temperatures. It is ideal for water delivery in various domestic and municipal applications.

Features

- UV stabilised
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC - black
- Cover: PVC, smooth - green translucent
- Reinforcement: polyester yarn

Standards

- Conforms to AS 2620

Temperature

- 5°C to 60°C

Dimensions (mm)		Part Numbers			Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 18m	Coil 30m	Coil 100m	PSI	Bar			
12.0	16.0	H1351218	H1351230	H13512100	100	7	n/a	144	0.16
18.0	22.0	H1351218	H1351230	H13512100	100	7	n/a	216	0.24
24.0	29.0	H1341818	H1341830	H13418100	100	7	n/a	288	0.45

Product Group: DA21



Heavy-Duty Garden Delivery Hose Assemblies (H135)

Dimensions (mm)		Part Numbers	Working Pressure		Length (mtr)	Description
ID	OD		PSI	Bar		
12.0	16.0	H1351218F	100	7	18	Garden hose with fittings and nozzle
12.0	16.0	H13501230F	100	7	30	Garden hose with fittings and nozzle

Product Group: DA21



Industrial Hose - Water & Non-Corrosive Liquids (PVC)

Heavy-Duty Premium Grey Suction (AUSG)

Applications

- A water and light slurry suction and delivery hose used in construction, mining, agricultural, irrigation, and municipal applications.

Features

- UV stabilised
- Abrasion resistant
- Extruded
- Food Grade

Hose Construction

- Tube: smooth PVC - grey
- Cover: smooth PVC - grey
- Reinforcement: rigid PVC embedded helix, white

Temperature

- -20°C to 60°C



Dimensions (mm)		Part Numbers		Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	PSI	Bar			
25.4	31.5	AUS025G	AUS025G020	90	6.0	1.0	75	0.39
31.8	39.1	AUS032G	AUS032G020	80	5.5	1.0	105	0.51
38.1	46.2	AUS038G	AUS038G020	75	5.0	1.0	155	0.65
50.8	60.7	AUS050G	AUS050G020	75	5.0	1.0	205	1.10
63.5	74.4	AUS065G	AUS065G020	75	5.0	1.0	255	1.50
76.2	87.1	AUS076G	AUS076G020	60	4.0	1.0	305	1.80
101.6	115.1	AUS100G	AUS100G020	50	3.5	1.0	380	3.00
127.0	141.0	AUS125G	AUS125G020	35	2.5	1.0	560	3.93
152.4	169.4	AUS150G	AUS150G020	30	2.0	1.0	635	5.51

Product Code: DA17

Light Weight Water Suction/Discharge Hose (MAR)

Applications

- Designed with a smooth bore to reduce friction loss and build-up of residue, this lightweight suction and discharge hose is well suited for use with bilge pumps and pond pumps. Its versatility sees it commonly used as a waste water hose for caravans and RV's, a lightweight air seeder hose, ducting for dust extraction and a low voltage cable conduit.

Features

- UV stabilised
- Abrasion resistant
- Non-toxic
- Extruded

Hose Construction

- Tube: PVC - black
- Cover: PVC corrugated - black
- Reinforcement: PVC embedded rigid helix - black

Temperature

- -5°C to 60°C



Dimensions (mm)		Part Numbers	Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Coil 20m	Working		Burst			
				PSI	Bar	PSI	Bar		
19.1	24.0	MAR02020	30	2	90	6	0.4	90	0.16
25.4	31.0	MAR02520	30	2	90	6	0.4	95	0.22
28.0	34.0	MAR02820	30	2	90	6	0.4	105	0.25
31.8	37.0	MAR03220	30	2	90	6	0.4	115	0.28
38.1	45.0	MAR03820	30	2	90	6	0.4	140	0.34
50.8	59.0	MAR05020	30	2	90	6	0.4	180	0.55
76.2	86.0	MAR07520	30	2	90	6	0.4	220	0.78

Product Group: DA17

Industrial Hose - Water & Non-Corrosive Liquids (Layflat)

Medium Duty Blue Layflat (LFAB)

Applications

- Designed for medium-duty applications for the transfer of water and other non-corrosive liquids on building sites, in mining applications and for general civil, construction, irrigation and drainage operations.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC - blue
- Cover: PVC - blue
- Reinforcement: polyester yarn

Temperature

- -10°C to 60°C

Dimensions (mm)		Part Numbers		Pressures				Weight (kg/mtr)
ID	OD	Cut Length	Coil 100m	Working		Burst		
				PSI	Bar	PSI	Bar	
25.4	28.6	LFAB025	LFAB025100	102	7	319	22	0.16
31.8	35.0	LFAB032	LFAB032100	94	7	290	20	0.18
38.1	41.3	LFAB038	LFAB038100	80	6	247	17	0.20
50.8	54.0	LFAB050	LFAB050100	73	5	203	16	0.28
63.5	66.7	LFAB065	LFAB065100	73	5	203	16	0.36
76.2	79.4	LFAB080	LFAB080100	58	4	189	13	0.42
101.6	104.8	LFAB100	LFAB100100	58	4	189	13	0.61
127.0	130.2	LFAB125	LFAB125100	36	3	116	8	0.96
152.4	156.8	LFAB150	LFAB150100	36	3	116	8	1.20
203.2	207.6	LFAB200	LFAB200100	29	2	87	6	1.85

Product Code: DA33



Heavy-Duty Red Layflat (LFAR)

Applications

- Designed for heavy-duty applications for the transfer of water and other non-corrosive liquids on building sites, in mining applications and for general civil, construction, irrigation and drainage operations.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC - red
- Cover: PVC - red
- Reinforcement: polyester yarn

Temperature

- -10°C to 60°C

Dimensions (mm)		Part Numbers		Pressures				Weight (kg/mtr)
ID	OD	Cut Length	Coil 100m	Working		Burst		
				PSI	Bar	PSI	Bar	
38.1	42.1	LFAR038	LFAR038100	150	10	450	30	0.30
50.8	54.8	LFAR050	LFAR050100	150	10	450	30	0.42
63.5	67.5	LFAR065	LFAR065100	150	10	450	30	0.55
76.2	80.2	LFAR080	LFAR080100	125	9	375	26	0.66
101.6	106.6	LFAR100	LFAR100100	125	9	375	26	1.00
152.4	157.8	LFAR150	LFAR150100	102	7	306	21	1.65
203.2	210.0	LFAR200	LFAR200100	73	5	219	15	2.20

Product Code: DA33



Industrial Hose - Water & Non-Corrosive Liquids (Layflat)

Rubber Black Layflat (ORO)

Applications

- Manufactured from high-quality rubber alloy, this product is designed and recommended for water transfer and general pumping tasks in irrigation, mining, construction, sewage, drainage systems, water bypass systems, fertiliser distribution and as a cable cover.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: NBR/PVC blend - black
- Cover: NBR/PVC blend, smooth - black
- Reinforcing: polyester yarn

Temperature

- -20°C to 80°C



Dimensions (mm)		Part Numbers		Pressures				Vacuum (bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 100m	Working		Burst				
				PSI	Bar	PSI	Bar			
38.1	41.9	ORO038	ORO038100	200	14	600	42	n/a	n/a	0.30
50.8	54.6	ORO050	ORO050100	200	14	600	42	n/a	n/a	0.40
76.2	80.8	ORO075	ORO075100	175	12	525	36	n/a	n/a	0.46
101.6	106.2	ORO100	ORO100100	175	12	525	36	n/a	n/a	0.62
152.4	157.8	ORO150	ORO150100	175	12	525	36	n/a	n/a	1.08
203.2	210.0	ORO200	ORO200100	145	10	435	30	n/a	n/a	2.75

Product Code: DA38

Rubber Layflat (ART)

Applications

- Manufactured in accordance with BS 6391:2009 Type 3 from high quality Rubber alloy, designed and recommended for firefighting, especially in municipal fire departments, petrochemical and power plants, navies and other industrial services.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: NBR/PVC - black
- Cover: NBR/PVC - red
- Reinforcement: polyester yarn

Temperature

- -20°C to 80°C



Dimensions (mm)		Part Numbers		Pressures				Vacuum (bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length		Working		Burst				
				PSI	Bar	PSI	Bar			
25.4	29.2	ART025		580	40	1740	120	n/a	n/a	0.21
38.1	42.1	ART038		300	20	900	40	n/a	n/a	0.32
50.8	55.2	ART050		250	17	750	52	n/a	n/a	0.47
63.5	67.9	ART065		250	17	750	52	n/a	n/a	0.55

Product Code: DA36

Fire Hose Layflat (EXT)

Applications

- Manufactured from a closely woven polyester fibre with an internal rubber lining this is recommended for industrial and domestic fire protection.

Features

- Polyester cover - white
- Internal rubber lining combined with external closely woven polyester fibre
- Fully extruded rubber which internally and externally protects the jacket
- Non-percolating

Standards

- BS 6391:2009 Type 3

Size (mm)	Part Numbers	Length (mtr)
ID		
38.1	EXT-3830LF16	30
63.5	EXT-6430LF16	30

Product Code: FP04



Fire Hose Layflat Assemblies (EXT)

Features

- Polyester cover in red or white
- Aluminium BI male and female couplings
- Non-percolating

Standards

- BS 6391:2009 Type 3

Size (mm)	Part Numbers	Length (mtr)
ID		
38.1	EXT-3830LF-16K	30
63.5	EXT-6430LF-16K	30

Product Code: FP04



Industrial Hose - Material Handling (Rubber)

Muff Coupling Hose (A800)

Applications

- Heavy-duty material handling hose, suitable to handle pressure or suction in the transfer of bulk, slurry, cement and abrasive products; specially designed for very severe applications (mines, tunnels, etc), hose can be supplied with muff couplings.

Features

- Abrasion resistant
- Ozone resistant
- Weather resistant
- UV stabilised
- Oil mist resistant

Hose Construction

- Tube: smooth NR/SBR - black
- Cover: SBR/EPDM blend, smooth - black
- Reinforcing: high tensile synthetic textile cords, single wire helix

Temperature

- -30°C to 70°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
				PSI	Bar	PSI	Bar		
50.8	71.0	A800050	A80005020	150	10	435	30	356	3.50
76.2	103.0	A800080	A80008020	150	10	435	30	533	5.30
101.6	129.0	A800100	A80010020	150	10	435	30	711	7.10
127.0	156.0	A800125	A80012520	150	10	435	30	889	8.90
152.4	182.0	A800150	A80015020	150	10	435	30	1067	10.70
203.2	235.0	A800200	A80020020	150	10	435	30	1421	14.20
254.0	286.0	A800250	A80025010	150	10	435	30	1778	21.00
304.8	345.0	A800300	A80030010	150	10	435	30	2135	30.00

Product Code: DB39

Muff Couplings - Table D/E



Dimensions (mm)		Part Numbers		Working Pressure		Total Length (mm)
Size	Hose OD	Aluminium	Cast Iron	PSI	bar	
50.8	69-71	MCA050	MCC051	101	7	96
76.2	102-104	MCA075	MCC076	101	7	112
101.6	125-129	MCA100	MCC101	101	7	160
127.0	152-157	MCA125	MCC126	101	7	174
152.4	180-238	MCA150	MCC150	101	7	190
203.2	234-238	MCA200	MCC201	101	7	245
254.0	284-290	MCA250	MCC251	101	7	295
304.8	343-349	MCA300	MCC301	101	7	342

Product Code: AC07

R.C. - Reverse Cycle Sampling Hose (A550)

Applications

- Designed to withstand highly abrasive material at high pressure and elevated temperatures. Specifically designed for use on reverse circulation drilling equipment for mineral recovery in sampling operations.

Features

- Ozone resistant
- Weather resistant
- Oil mist resistant
- Abrasion resistance < 50 mm³ (ISO 4649/A)
- Mylar layline & embossed tape line

Hose Construction

- Tube: smooth NBR - black
- Cover: smooth SBR/NR blend - black with yellow stripe
- Reinforcing: 4 ply synthetic cord with wire helix

Temperature

- 40°C to 100°C, with intermittent peaks of 120°C

Dimensions (mm)		Part Numbers		Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	PSI	Bar			
50.8	77.0	A550050	A55005020	500	35	0.9	300	3.00
63.5	91.0	A550065	A55006520	500	35	0.9	325	4.00
76.2	105.0	A550080	A55008020	500	35	0.9	450	4.85
101.6	134.0	A550100	A55010020	500	35	0.9	600	7.30



Product Group: DB38

Dry Bulk Hose (A360)

Applications

- A versatile delivery hose, equipped with a highly abrasion-resistant anti-static tube and cover, designed for discharging abrasive bulk materials like cement, sand, and gravel, well-suited for conveying granulated materials. Designed to be rolled flat for easy transport and storage.

Features

- Weather resistant
- Ozone resistant
- High abrasion resistant
- Antistatic
- Layflat
- Mandrel built

Hose Construction

- Tube: NR/SBR blend - black
- Cover: NR/SBR blend, smooth - black
- Reinforcing: high tensile synthetic cords

Temperature

- 40°C to 70°C

Dimensions (mm)		Part Number	Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Working		Burst			
			PSI	Bar	PSI	Bar		
101.6	116.0	A360100	75	5	225	15	n/a	2.85



Product Group: DB37

Industrial Hose - Material Handling (Rubber)

Heavy-Duty Material Handling Hose (A810)

Applications

- Manufactured from top-quality heavy red rubber compound renowned for its exceptional abrasion resistance, this hose boasts remarkable flexibility, rendering it ideal for efficiently extracting and transporting highly abrasive substances like stones, sand, gravel, powdered materials, sludge, and more. Primarily employed alongside vacuum trucks in hose reel "cassette" setups, it also excels in boom applications.

Features

- Abrasion resistant
- Ozone resistant
- Weather resistant
- UV stabilised
- Oil mist resistant

Hose Construction

- Tube: Hevea ABR rubber - red
- Cover: SBR/EPDM blend, corrugated - black
- Reinforcing: high tensile synthetic textile cords, single wire helix

Temperature

- 35°C to 80°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
				PSI	Bar	PSI	Bar		
101.6	116.0	A810100	A81010020	45	3	135	9	400	3.25
127.0	141.0	A810125	A81012520	45	3	135	9	540	4.60
152.4	166.0	A810150	A81015020	45	3	135	9	690	6.30
203.2	217.0	A810200 ¹	A81020020 ¹	45	3	135	9	1000	9.60

¹Available in 6.5mtr length

Product Code: DB39

Black Spiral Heavy-Duty ABR Suction Hose (AUSKAR)

Applications

- Manufactured with a high carbon content SBR blended tube which offers static dissipative properties and outstanding abrasion resistance. Designed to be lightweight with a corrugated outer cover for high flexibility and a smooth bore to reduce friction loss and build-up of residue. Perfect for vacuum truck applications as well as handling sands, rocks, grains, cement powders, iron chips, and other abrasive materials.

Features

- Lightweight & flexible
- High abrasion resistance
- Extruded

Hose Construction

- Tube: SBR blend - black
- Cover: SBR blend, corrugated - black
- Reinforcing: PVC embedded rigid helix

Temperature

- 40°C to 60°C



Dimensions (mm)		Part Numbers	Working Pressure		Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 30m	PSI	Bar			
50.8	59.8	AUS050KAR030	40	3	1.0	65	0.75
63.5	74.5	AUS065KAR030	35	2	1.0	65	1.30
76.2	88.8	AUS080KAR030	35	2	1.0	75	1.63
101.6	117.6	AUS100KAR030	30	2	1.0	115	2.63
127.0	143.0	AUS125KAR030	30	2	1.0	125	3.67
152.4	171.0	AUS150KAR030	30	2	1.0	230	4.70

Product Code: DB30

Green Spiral ABR Suction Hose (AUSGAR)

Applications

- Manufactured from a Specially Compounded Rubber, designed to be lightweight with exposed rigid plastic helix for easy drag and a smooth bore to reduce friction loss and build up of residue. With excellent resistance to chemicals and oil making it perfect for vacuum truck applications for liquid waste, septic, sludge handling, chemical, dry material and grain transfer.

Features

- High abrasion resistance
- Ozone resistant
- Weather resistant
- Extruded

Hose Construction

- Tube: EPDM blend - black
- Reinforcing: PVC exposed rigid helix - green

Temperature

- 40°C to +60°C

Dimensions (mm)		Part Numbers	Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Working		Burst			
ID	OD	Coil 30m	PSI	Bar	PSI			
38.1	42.1	AUS038GAR030	50	4	100	1.0	75	0.65
50.8	63.4	AUS050GAR030	50	4	100	1.0	125	1.10
63.5	79.6	AUS065GAR030	50	4	100	1.0	140	1.50
76.2	93.4	AUS080GAR030	43	3	86	1.0	180	1.80
101.6	118.0	AUS100GAR030	38	3	76	0.9	280	2.90

Product Group: DB30



Yellow Sprial ABR PVC Delivery Hose (AUSYTAR)

Applications

- A robust suction and discharge hose well suited for use in harsh environments. Especially well suited for use with abrasive slurries, waste and many chemicals in vacuum truck applications.

Features

- High abrasion resistant
- Ozone resistant
- Weather resistant
- Extruded

Hose Construction

- Tube: PVC/NBR blend - Black
- Cover: black and yellow
- Reinforcing: exposed rigid PVC helix - yellow

Temperature

- 5°C to +60°C

Dimensions (mm)		Part Numbers	Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Working		Burst				
ID	OD	Coil 20m	PSI	Bar	PSI	Bar			
50.8	63.4	AUS050YTAR020	73	5.0	146	10.0	1.0	350	1.10
63.5	79.6	AUS065YTAR020	58	4.0	116	8.0	1.0	380	1.50
76.2	93.4	AUS076YTAR020	58	4.0	116	8.0	1.0	400	1.80
101.6	118.0	AUS100YTAR020	43	3.0	86	6.0	1.0	600	2.90

Product Group: DA12



Industrial Hose - Food & Beverage (Rubber)

Food & Beverage Delivery Hose (A605)

Applications

- Flexible discharge hose suitable for the transfer of alcoholic beverages containing up to 36% alcohol content including beer and wine, also suitable for a variety of other beverages and food products, including soft drinks, fruit juices, and potable water.

Features

- Food grade FDA approved
- Abrasion resistant
- Weather resistant
- Ozone resistant
- Mylar layline & embossed tape line
- Tube resistant to 36% alcohol content
- Mandrel built

Hose Construction

- Tube: NR food grade - white
- Cover: EPDM blend, smooth (wrapped finish) - red
- Reinforcement: high tensile synthetic textile cords

Temperature

- -40°C to 95°C
- Steam cleaning without pressure up to 130°C/max. 30 min.



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
				PSI	Bar	PSI	Bar		
25.4	37.0	A605025	A60502520	150	10	450	30	150	0.55
38.1	50.0	A605040	A60504020	150	10	450	30	300	1.65
50.8	64.0	A605050	A60505020	150	10	450	30	350	1.70
76.2	90.0	A605080	A60508020	150	10	450	30	450	3.40
101.6	117.0	A605100	A60510020	150	10	450	30	650	4.90

Product Code: DB14

Food & Beverage Suction/Delivery Hose (A621R)

Applications

- Flexible suction and discharge hose suitable for the transfer of alcoholic beverages containing up to 36% alcohol content including beer and wine, also suitable for a variety of other beverages and food products, including soft drinks, fruit juices, and potable water.

Features

- Food grade FDA approved
- Abrasion resistant
- Weather resistant
- Ozone resistant
- Mylar layline & embossed tape line
- Tube resistant to 36% alcohol content
- Mandrel built

Hose Construction

- Tube: NR food grade - white
- Cover: EPDM blend, smooth (wrapped finish) - red
- Reinforcement: high tensile synthetic textile cords with single wire helix

Temperature

- -40°C to 95°C
- Steam cleaning without pressure up to 130°C/max. 30 min.



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
				PSI	Bar	PSI	Bar		
25.4	37.0	A621R025	A621R025020	150	10	450	30	150	0.75
31.8	44.0	A621R032	A621R032020	150	10	450	30	225	1.00
38.1	52.0	A621R040	A621R040020	150	10	450	30	300	1.35
50.8	65.0	A621R050	A621R050020	150	10	450	30	350	1.85
63.5	79.0	A621R065	A621R065020	150	10	450	30	400	2.88
76.2	93.0	A621R080	A621R080020	150	10	450	30	450	3.39
101.6	120.0	A621R100	A621R100020	150	10	450	30	650	4.91

Product Code: DB14

Food, Milk & Beverage Suction/Delivery Hose (A635)

Applications

- Highly flexible spiral-reinforced hose designed for managing the transportation and transfer of milk, loading and unloading tankers, dairy unloading bays and equipment within processing and filling facilities. This versatile hose is also suitable for conveying alcoholic beverages containing up to 36% alcohol content including beer, wine and cider, along with a variety of additional liquid food products, including soft drinks, fruit juices, and potable water.

Features

- Food grade FDA approved
- Abrasion resistant
- Weather resistant
- Ozone resistant
- Mandrel built

Hose Construction

- Tube: NR food grade - white
- Cover: NR blend, smooth (wrapped finish) - blue
- Reinforcement: high tensile synthetic textile cords, with double embedded steel wire helix

Temperature

- 40°C to 95°C
- Steam cleaning without pressure up to 130°C/max. 30 min.

Dimensions (mm)		Part Numbers		Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working PSI	Bar	Burst PSI			
19.1	30.0	A635020	A635020020	90	6	270	0.9	50	0.65
25.4	36.0	A635025	A635025020	90	6	270	0.9	50	0.70
31.8	43.0	A635032	A635032020	90	6	270	0.9	65	0.80
38.1	49.0	A635040	A635040020	90	6	270	0.9	80	1.20
50.8	63.0	A635050	A635050020	90	6	270	0.9	105	1.80
63.5	75.0	A635065	A635065020	90	6	270	0.9	130	2.20
76.2	90.0	A635080	A635080020	90	6	270	0.9	155	3.10
101.6	115.0	A635100	A635100020	90	6	270	0.9	350	3.70



Product Code: DB36

Food & Beverage Suction/Delivery Hose (A625)

Applications

- Premium quality flexible suction and discharge hose featuring a crush-resistant PE helix and high-temperature resistant Chlorobutyl rubber tube, ideal for the transfer of beverages containing up to 96% alcohol content including beer and wine, also suitable for many other beverages and foodstuffs including soft drinks, fruit juices and potable water.

Features

- Food grade FDA approved
- Crush resistant PET helix
- Abrasion resistant
- Weather & ozone resistant
- Mandrel built

Hose Construction

- Tube: IIR Butyl food grade - white
- Cover: smooth (wrapped finish) EPDM blend - red
- Reinforcement: high tensile synthetic textile cords, embedded PET helix

Temperature

- 40°C to 120°C
- Steam cleaning without pressure up to 140°C/max. 30 min.

Dimensions (mm)		Part Numbers		Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working PSI	Bar	Burst PSI			
25.4	37.0	A625025	A625025020	150	10	450	0.9	115	0.90
31.8	44.0	A625032	A625032020	150	10	450	0.9	145	1.19
38.1	52.0	A625040	A625040020	150	10	450	0.9	180	1.57
50.8	65.0	A625050	A625050020	150	10	450	0.9	245	1.91
63.5	79.5	A625065	A625065020	150	10	450	0.9	310	2.82
76.2	93.0	A625080	A625080020	150	10	450	0.9	390	3.45
101.6	120.0	A625100	A625100020	150	10	450	0.9	555	4.89



Product Code: DB36

Industrial Hose - Food & Beverage (PVC)

TPR/Food Grade Delivery Hose (H020)

Applications

- Manufactured from high-quality PVC, boasting outstanding flexibility, featuring a glass-clear translucent appearance with a hint of blue, ensuring excellent visibility of transferred products. This versatile hose is perfectly suited for a wide range of applications, including the transfer of air, water, food and beverage items, as well as petroleum products. It finds utility across various industries such as food production, mining, construction, general industrial and agricultural sectors. Not suitable as a permanent fuel line.

Features

- UV stabilised
- Abrasion resistant
- Oil mist resistant
- Extruded

Hose Construction

- Tube: PVC - transparent
- Cover: PVC smooth - transparent
- Reinforcement: polyester yarn with red spiral tracer

Standards

- AS/NZS 2554 Class C

Temperature

- 5°C to 60°C



Dimensions (mm)				Pressures				Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	Working		Burst				
				PSI	Bar	PSI	Bar			
6.4	12.0	H02006020	H02006100	232	16	928	64	n/a	75	0.12
7.9	14.0	H02008020	H02008100	232	16	928	64	n/a	95	0.16
9.5	16.0	H02010020	H02010100	232	16	928	64	n/a	120	0.18
12.7	19.0	H02012020	H02012100	232	16	928	64	n/a	150	0.22
15.9	24.0	H02016020	H02016100	232	16	928	64	n/a	180	0.32
19.1	28.0	H02020020	H02020100	232	16	928	64	n/a	240	0.47
25.4	35.0	H02025020	H02025100	232	16	928	64	n/a	300	0.65
31.8	43.0	H02032020	H02032100	150	10	600	40	n/a	385	0.88
38.1	50.5	H02040020	H02040100	150	10	600	40	n/a	480	1.12
50.8	63.5	H02050020	H02050100	150	10	600	40	n/a	600	1.60

Product Group: DA01

Wine & Beverage Heavy-Duty Suction Hose (AUSFB)

Applications

- Heavy-duty suction and delivery hose predominately for wine, beer and spirits up to 15% alcohol content. Also suitable for other liquids including water, soda, juice and syrup handling. Can be used to transfer dry foodstuffs.

Features

- Food grade FDA approved
- Abrasion resistant
- Non-toxic
- UV stabilised

Hose Construction

- Tube: PVC non-toxic - transparent
- Cover: PVC non-toxic, smooth - transparent
- Reinforcement: PVC embedded rigid helix - red

Temperature

- 20°C to 60°C

Standards

- Conforms to AS 2070 for food contact hoses. Meets EEC directive 90/128 for articles intended for contact with foodstuffs, US FDS 21CFR



Dimensions (mm)		Part Numbers		Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
				PSI	Bar	PSI			
25.4	31.5	AUS025FB	AUS025FB020	90	6.0	260	18.0	75	0.39
31.8	39.1	AUS032FB	AUS032FB020	80	5.5	240	16.5	105	0.51
38.1	46.2	AUS040FB	AUS040FB020	75	5.0	220	15.0	155	0.65
50.8	60.7	AUS050FB	AUS050FB020	75	5.0	220	15.0	205	1.10
63.5	74.4	AUS065FB	AUS065FB020	75	5.0	220	15.0	255	1.50
76.2	87.1	AUS080FB	AUS080FB020	60	4.0	180	12.0	305	1.80
101.6	115.1	AUS100FB	AUS100FB020	50	3.5	150	10.5	380	3.00

Product Code: DA24

Wine & Beverage Suction/Delivery VACPRES Hose (AUSFBSD)

Applications

- A heavy-duty suction and delivery hose, reinforced with a polyester braid for enhanced pressure resistance and a steel helix. Primarily designed for transferring wine, beer, and spirits with up to 15% alcohol content. Also suitable for handling other liquids such as water, soda, juice, and syrup.

Features

- Food grade FDA approved
- Abrasion resistant
- Non-toxic
- UV stabilised

Hose Construction

- Tube: PVC non-toxic - transparent
- Cover: PVC non-toxic, smooth - transparent
- Reinforcement: polyester braid, embedded steel helix

Temperature

- -15°C to 60°C

Standards

- Conforms to AS 2070 for food contact hoses. Meets EEC Directive 90/128 for articles intended for contact with foodstuffs, US FDA 21CFR

Dimensions (mm)		Part Numbers	Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Working		Burst			
		Coil 20m	PSI	Bar	PSI			
19.1	27.5	AUS020FBSD20	145	10	420	0.9	85	0.42
25.4	36.2	AUS025FBSD20	145	10	420	0.9	90	0.68
31.8	42.2	AUS032FBSD20	145	10	420	0.9	110	0.80
38.1	53.0	AUS040FBSD20	145	10	420	0.9	140	1.20
50.8	63.6	AUS050FBSD20	145	10	420	0.9	170	1.60



Product Code: DA26

Hose Assemblies

Providing a full range of **made-to-order hose assemblies** that are **tested and certified**, as well as couplings, clamps, and ferrules for a **fully integrated and safe assembly.**

Industrial Hose - Steam & Hot Water (Rubber)

Hot Water Washdown (A225)

Applications

- Designed specifically for delivery of hot water for washdown applications in food processing facilities, packing houses, bottling plants, breweries and dairies where FDA hose compliance is required.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant

Hose Construction

- Tube: NBR - white
- Cover: smooth NBR - white
- Reinforcement: polyester yarn

Temperature

- -20°C to 90°C



Dimensions (mm)		Part Numbers			Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Coil 100m	Working		Burst			
					PSI	Bar	PSI	Bar		
12.7	21.9	A225012	A225012020	A225012100	300	20	900	60	100	0.47
19.1	30.2	A225020	A225012020	A225020100	300	20	900	60	155	0.65
25.4	38.0	A225025	A225012520	A225025100	300	20	900	60	205	0.97

Product Code: DB29

FDA Hot Water Washdown (A226)

Applications

- Designed specifically for delivery of hot water for washdown applications in food processing facilities, packing houses, bottling plants, breweries and dairies.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- FDA approved food grade compound

Hose Construction

- Tube: NBR - white
- Cover: smooth NBR - blue
- Reinforcement: polyester yarn

Temperature

- -20°C to 90°C



Dimensions (mm)		Part Numbers			Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Coil 120m	Working		Burst			
					PSI	Bar	PSI	Bar		
12.7	21.9	A226012	A226012020	A226012120	300	20	900	60	100	0.47
19.1	30.2	A226020	A226012020	A226020120	300	20	900	60	155	0.65
25.4	38.0	A226025	A226012520	A226025120	300	20	900	60	205	0.97

Product Code: DB29

Steel Wire Reinforced Steam (A230)

Applications

- Steel cord delivery hose suitable for conveying high-pressure saturated steam and hot water. Used in refineries, shipyards, chemical plants, steel mills, foundries and general industrial applications.

Features

- Resistant to saturated steam
- Abrasion resistant
- Weather resistant
- Ozone resistant
- Mandrel built

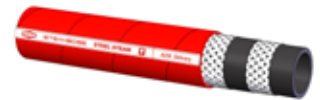
Hose Construction

- Tube: EPDM blend - black
- Cover: EPDM blend, smooth (wrapped finish) - red
- Reinforcement: steel plies or braid

Temperature

- -40°C to 210°C, peaks up to +232°C (saturated steam)
- -40°C to 120°C (hot water)

Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
				PSI	Bar	PSI	Bar		
12.7	25.0	A230012	A23001220	270	18	2611	180	120	0.50
19.1	31.0	A230020	A23002020	270	18	2611	180	185	0.75
25.4	37.0	A230025	A23002520	270	18	2611	180	240	0.91
31.8	46.0	A230032	A23003220	270	18	2611	180	330	1.33
38.1	52.0	A230040	A23004020	270	18	2611	180	390	1.60
50.8	67.0	A230050	A23005020	270	18	2611	180	530	2.20
63.5	81.0	A230065	A23006520	270	18	2611	180	640	3.40
76.2	94.0	A230080	A23008020	270	18	2611	180	750	4.50
101.6	124.0	A230100	A23010020	270	18	2611	180	920	6.99



Product Code: DB35

Fabric Reinforced Steam - FDA (A236)

Applications

- Constructed using quality FDA-approved materials, this hose is designed for conveying low-pressure saturated steam and delivering hot water for washdown applications in FDA-compliant environments such as food processing facilities, packing houses, bottling plants, breweries, and dairies.

Features

- Resistant to saturated steam
- Abrasion resistant
- Weather resistant
- Ozone resistant
- Mylar layline & embossed tape line
- Mandrel built

Hose Construction

- Tube: EPDM - white
- Cover: EPDM blend, smooth (wrapped finish) - blue
- Reinforcement: high tensile synthetic textile cords

Temperature

- -40°C to 170°C

Standards

- FDA title 21 art.177.2600 (e) for liquid foods, BfR, KTW, PHTHALATE free

Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working		Burst			
				PSI	Bar	PSI	Bar		
12.7	24.0	A236012	A236012020	100	7	1015	70	81	0.48
19.1	31.0	A236020	A236020020	100	7	1015	70	136	0.71
25.4	37.0	A236025	A236025020	100	7	1015	70	171	0.85



Product Code: DB35

Industrial Hose - Steam & Hot Water (Rubber)

Straight Radiator Hose (A112)

Applications

- Manufactured specifically for the transfer of hot water and anti-freeze/anti-boil solutions in cooling systems.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Mylar layline & embossed tape line
- Mandrel built

Hose Construction

- Tube: EPDM blend - black
- Cover: EPDM blend smooth - black
- Reinforcement: high tensile synthetic textile cords

Temperature

- -40°C to 100°C



Dimensions (mm)		Part Numbers	Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Working		Burst			
ID	OD	Cut Length	PSI	Bar	PSI	Bar		
19.1	29.0	A11219	75	5	217	15	155	0.52
22.2	32.0	A11222	75	5	217	15	180	0.58
25.4	35.0	A11225	75	5	217	15	205	0.63
28.6	38.0	A11229	75	5	217	15	230	0.68
31.8	44.0	A11232	75	5	217	15	255	1.01
34.9	48.0	A11235	75	5	217	15	280	1.19
38.1	51.0	A11238	75	5	217	15	305	1.25
41.3	54.0	A11241	75	5	217	15	330	1.35
44.5	57.0	A11244	75	5	217	15	355	1.38
47.6	60.0	A11248	75	5	217	15	380	1.46
50.8	63.0	A11251	75	5	217	15	405	1.52
54.0	67.0	A11254	75	5	217	15	430	1.72
57.2	70.0	A11257	75	5	217	15	460	1.79
60.3	73.0	A11260	75	5	217	15	480	1.85
63.5	76.0	A11263	75	5	217	15	510	1.90
66.7	79.0	A11267	75	5	217	15	535	1.96
69.9	82.0	A11270	75	5	217	15	560	2.02
73.0	86.0	A11273	75	5	217	15	585	2.23
76.2	89.0	A11276	75	5	217	15	610	2.31

Product Code: DB01

Extra High-Pressure Hot Water Wash Hose (PW206)

Applications

- An exceptionally durable, steel-braided delivery hose designed for maximum flexibility, lightweight handling, and ease of use. Specifically engineered for conveying high-temperature, high-pressure hot water, cold water, and detergent solutions, it is ideal for use with heavy-duty, high-pressure cleaning equipment.

Features

- Ozone resistant
- Weather resistant
- Hot water and detergent resistant
- Abrasion resistant
- Oil resistant
- Extruded

Hose Construction

- Tube: synthetic rubber - black
- Cover: synthetic rubber, smooth - blue
- Reinforcing: high tensile synthetic steel wires

Temperature

- -40°C to 150°C



Dimensions (mm)		Part Number	Pressures			Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Working		Burst		
ID	OD		PSI	Bar	PSI		
9.5	18.0	PW206	5800	40	29000	160	0.53

Product Code: AX01

UHMW Chemical/Food Suction/Delivery (A410)

Applications

- Multipurpose hose suitable for suction and delivery applications, manufactured with an FDA Approved UHMWPE liner providing excellent resistance to a majority of chemicals including acids, alkalis, salts, chlorinated hydrocarbons and oxidising acids. Also ideal for the transfer of beverages containing up to 96% alcohol content including beer and wine, along with many other beverages and foodstuffs including soft drinks, fruit juices and potable water.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Low friction coefficient tube
- Tube resistant to 96% alcohol content
- Mandrel built

Standards

- FDA title 21 art.177.2600 (e) for liquid foods, BfR, KTW, PHTHALATE free

Hose Construction

- Tube: UHMWPE - transparent/white
- Cover: smooth EPDM blend - blue
- Reinforcement: high tensile synthetic textile cords, double wire helix, with antistatic copper wire

Temperature

- -40°C to 100°C
- Steam cleaning without pressure up to 130°C /max. 30 min.

Dimensions (mm)		Part Numbers		Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working PSI	Bar	Burst PSI			
19.1	31.0	A410020	A41002020	150	10	600	40	90	0.75
25.4	37.0	A410025	A41002520	150	10	600	40	120	0.90
31.8	44.0	A410032	A41003220	150	10	600	40	150	1.10
38.1	50.0	A410040	A41004020	150	10	600	40	180	1.45
50.8	65.0	A410050	A41005020	150	10	600	40	250	1.85
63.5	77.0	A410065	A41006520	150	10	600	40	320	2.45
76.2	90.0	A410080	A41008020	150	10	600	40	400	3.05
101.6	117.0	A410100	A41010020	150	10	600	40	550	4.45



Product Code: DB12

UHMW Chemical/Food Suction/Delivery (A416)

Applications

- Multipurpose hose suitable for suction and delivery applications, manufactured with an FDA Approved UHMWPE liner providing excellent resistance to a majority of chemicals including acids, alkalis, salts, chlorinated hydrocarbons and oxidising acids. Also ideal for the transfer of beverages containing up to 96% alcohol content including beer and wine, along with many other beverages and foodstuffs including soft drinks, fruit juices and potable water.

Features

- Ozone and weather resistant
- Abrasion resistant
- Low friction coefficient tube
- Tube resistant to 96% alcohol content
- Mandrel built

Standards

- FDA title 21 art.177.2600 (e) for liquid foods, BfR, KTW, PHTHALATE free

Hose Construction

- Tube: UHMWPE, FDA approved - transparent/white
- Cover: smooth EPDM blend - blue
- Reinforcement: high tensile synthetic textile cords, double wire helix, with antistatic copper with

Temperature

- -40°C to 100°C
- Steam cleaning without pressure up to 130°C /max. 30 min.

Dimensions (mm)		Part Numbers		Pressures			Vacuum (Bar)	Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Working PSI	Bar	Burst PSI			
25.4	37.0	A416025	A416025020	240	16	960	64	80	0.75
31.8	44.0	A416032	A416032020	240	16	960	64	90	0.85
38.1	52.0	A416040	A416040020	240	16	960	64	105	1.00
50.8	65.0	A416050	A416050020	240	16	960	64	130	1.35
63.5	80.0	A416065	A416065020	240	16	960	64	160	2.00
76.2	93.0	A416080	A416080020	240	16	960	64	205	2.40
101.6	120.0	A416100	A416100020	240	16	960	64	280	3.35



Product Code: DB12

Industrial Hose - Acid & Chemical (PVC)

Agricultural Spray - High-pressure (H040)

Applications

- Designed with outstanding chemical resistance specifically for high-pressure agricultural chemical spraying, ideal for dispensing weedicides and pesticides. Its versatility extends beyond agriculture to accommodate a multitude of industries, allowing for the handling of air, water, and petroleum-based products with ease.

Features

- Abrasion resistant
- UV stabilised
- Oil mist resistant
- Extruded

Hose Construction

- Tube: PVC/NBR blend - yellow
- Cover: PVC smooth - black
- Reinforcement: polyester braid

Temperature

- 5°C to 60°C



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
				Working		Burst			
ID	OD	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
7.9	15.0	H0400820	H04008100	600	40	2400	160	85	0.18
9.5	16.0	H0401020	H04010100	600	40	2400	160	100	0.19
12.7	21.0	H0401220	H04012100	600	40	2400	160	125	0.38
19.1	30.0	H0402020	H04020100	600	40	2400	160	200	0.67
25.4	36.0	H0402520	H04025100	600	40	1600	110	250	0.86

Product Code: DA29

All Rounder (Chemical, Air & Water) Hose (H140)

Applications

- Designed with outstanding chemical resistance suitable for agricultural chemical spraying, ideal for dispensing weedicide and pesticide. Its versatility extends beyond agriculture to accommodate a multitude of industries, allowing for the handling of air, water, and petroleum-based products with ease.

Features

- UV stabilised
- Oil mist resistant
- Abrasion resistant
- Extruded

Hose Construction

- Tube: PVC/NBR blend - black
- Cover: PVC smooth - blue with yellow stripe
- Reinforcing: polyester yarn

Temperature

- 5°C to 60°C



Dimensions (mm)		Part Numbers			Pressures				Bend Radius (mm)	Weight (kg/mtr)
					Working		Burst			
ID	OD	Cut Length	Coil 20m	Coil 100m	PSI	Bar	PSI	Bar		
6.4	12.0	H14006MTR	H14006020	H14006100	300	20	928	64	75	0.12
7.9	14.0	H14008MTR	H14008020	H14008100	300	20	928	64	95	0.16
9.5	16.0	H14010MTR	H14010020	H14010100	300	20	928	64	120	0.18
12.7	19.0	H14012MTR	H14012020	H14012100	300	20	928	64	150	0.22
19.1	28.0	H14020MTR	H14020020	H14020100	300	20	928	64	240	0.47
25.4	35.0	H14025MTR	H14025020	H14025100	300	20	928	64	300	0.65

Product Group: DA27

Single Line Welding (A108)

Applications

- Designed to fulfill AS1335 specifications, guaranteeing the safe transfer of oxygen (blue) or acetylene (red) for welding, cutting and allied processes across diverse industrial sectors.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Oil mist resistant
- Pin pricked cover

Hose Construction

- Tube: SBR blend - black
- Cover: SBR blend, smooth - red or blue
- Reinforcement: polyester yarn

Temperature

- 20°C to 70°C

Standards

- Cover conforms to AS1335

Dimensions (mm)		Part Numbers			Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Coil 100m	Working		Burst			
					PSI	Bar	PSI	Bar		
4.8	12.0	A108005B	A108005B020	A108005B100	217	15	870	60	40	0.14
6.4	13.0	A108006B	A108006B020	A108006B100	217	15	870	60	50	0.15
9.5	16.0	A108010B	A108010B020	A108010B100	217	15	870	60	75	0.19
4.8	12.0	A108005R	A108005R020	A108005R100	217	15	870	60	40	0.14
6.4	13.0	A108006R	A108006R020	A108006R100	217	15	870	60	50	0.15
9.5	16.0	A108010R	A108010R020	A108010R100	217	15	870	60	75	0.19



A108B Oxygen



A108R Acetylene

Product Code: DB21

Twin Line Welding (A109)

Applications

- Bonded Twin-line hose designed to fulfill AS1335 specifications, guaranteeing the safe transfer of Oxygen and Acetylene for welding, cutting and allied processes across diverse industrial sectors.

Dimensions (mm)		Part Number			Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Coil 100m	Working		Burst			
					PSI	Bar	PSI	Bar		
4.8	12.0	A109005	A109005020	A109005100	217	15	870	60	40	0.28



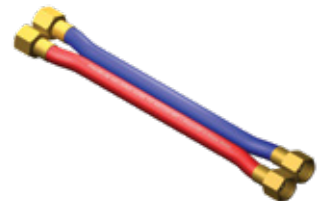
Product Code: DB22

Twin Line Welding Assembly (A119)

Applications

- Crimped twin line welding hose - oxy acetylene assembly.

Dimensions (mm)		Part Numbers	Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD		Working		Burst			
			PSI	Bar	PSI	Bar		
4.8	12.0	A1195CRIMP	217	15	870	60	40	0.28
4.8	12.0	A11975CRIMP	217	15	870	60	40	0.28
4.8	12.0	A11910CRIMP	217	15	870	60	40	0.28
4.8	12.0	A11915CRIMP	217	15	870	60	40	0.28
4.8	12.0	A11920CRIMP	217	15	870	60	40	0.28



Product Code: DB21

Industrial Hose - Welding & Gas (Rubber)

Single LPG (A110)

Applications

- Designed to fulfill AS/NZS1869 Class C specifications, guaranteeing the safe transfer of LPG for welding, cutting and allied processes across diverse industrial sectors.

Features

- Ozone resistant
- Weather resistant
- Abrasion resistant
- Pinpricked cover
- Extruded

Hose Construction

- Tube: NBR/PVC blend - black
- Cover: NBR/PVC, smooth - orange
- Reinforcement: polyester yarn

Temperature

- 20°C to 70°C

Standards

- AS/NZS1869 Class C



Dimensions (mm)		Part Numbers			Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Cut Length	Coil 20m	Coil 100m	Working		Burst			
					PSI	Bar	PSI	Bar		
4.8	13.0	A11005	A11005020	A11005100	375	25	1500	100	40	0.18
6.4	14.0	A11006	A11006020	A11006100	375	25	1500	100	50	0.19
9.5	18.0	A11010	A11010020	A11010100	375	25	1500	100	75	0.29

Product Code: DB23

Divers/Air Breathers (H100)

Applications

- Designed with excellent flexibility and durability, this product is manufactured in accordance with AS/NZS 2299.1 & AS/NZS 1716 standards, approved for use in professional and sports air-breathing apparatus.

Features

- UV stabilised
- Abrasion resistant
- FDA approved

Hose Construction

- Tube: PVC - white
- Cover: PVC, smooth - yellow
- Reinforcement: polyester yarn

Temperature

- 5°C to 60°C

Standards

- AS/NZS 2299.1 & AS/NZS 1716



Dimensions (mm)		Part Numbers		Pressures				Bend Radius (mm)	Weight (kg/mtr)
ID	OD	Coil 20m	Coil 100m	Working		Burst			
				PSI	Bar	PSI	Bar		
7.9	15.0	H1000820	H10008100	350	24	1400	96	95	0.15
9.5	17.5	H1001020	H10010100	350	24	1400	96	120	0.18

Product Code: DA08

Nylon Protective Sleeves - MSHA Accepted

Applications

- Woven nylon tubular sleeving. Ideal for use as a protective covering on hydraulic and industrial hose. Tight weave of the seamless tubular sleeving helps dispense the flow of fluid in a ruptured hose.

Features

- Black
- Woven nylon tubular sleeving

Standards

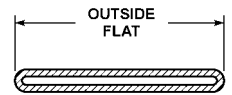
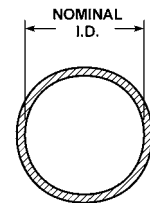
- MSHA accepted, passes flammability tests

Temperature

- Withstands up to 135°C

Dimensions (mm)		Part Numbers	Length (mtr)
Nominal ID	OD Flat		
23	38	DHS90-100	30
25	42	DHS100-100	30
27	48	DHS106-100	30
31	54	DHS122-100	30
36	63	DHS142-100	30
39	67	DHS159-100	30
40	70	DHS159-1-100	30
44	73	DHS175-100	30
46	76	DHS181-100	30
56	92	DHS219-100	30
60	99	DHS238-100	30
67	108	DHS263-100	30
73	121	DHS288-100	30
93	149	DHS366-100	30
131	190	DHS520-100FRAC	50

Product Code: DC07



Hookie - Hook Hose Lifter

Applications

- For use with hammer unions.

Features

- Safe working load is 4 tons, with a proof load test of 8 tons
- Supplied complete with retaining clamp

Size (inch)	Part Numbers
3	HA0900-3
4	HA0900-4
5	HA0900-5

Product Code: AD09



Hose Glide Rings

Applications

- Glide rings are made from hard-bearing type plastic material. They come in two halves and can be fitted anywhere along the hose length. The hose glides easily across the floor without catching, protecting the hose outer cover. Glide rings hold hoses off the floor preventing damming, and build-up of wash-down liquids behind the hose. The hose can be dragged around the floor almost like being on skates.

Size (mm)	Part Numbers	Description
40	HGR-040	Black 2pce to suit 40mm ID hose
50	HGR-050	Yellow 2pce to suit 50mm ID hose
76	HGR-076	Yellow 2pce to suit 76mm ID hose
100	HGR-100	Yellow 2pce to suit 100mm ID hose

Product Code: AV13



Spiral Hose Guard

Applications

- Spiral wrap is designed to bundle and/or protect hose and cables from abrasion.

Features

- Ultra violet stabilised
- Unaffected by most petroleum based products including oil
- Rolled edged finish
- Available in black, red, blue, and yellow

Hose Construction

- Manufactured from tough polyethylene

Temperature

- -0°C to 82°C



Dimensions (mm)		Part Numbers	Wall Thickness (mm)	Suits Hose OD Range (mm)	Box Quantity (mtr)
ID	OD				
9	13	R1220BK	2.00	9-12	20
12	16	R1620B	2.25	12-17	20
15	20	R2020B	2.50	16-22	20
19	25	R2520B	2.75	22-28	20
23	30	R3220B	3.50	27-33	20
30.5	39	R4020B	4.25	33-42	20
38	46.5	R5020B	4.25	42-55	20
47	58	R6520B	5.50	52-65	20
61	73	R7520B	6.00	65-80	20
70.5	84.5	R9020B	7.00	80-150	20
84	99	R11010B	7.50	150	10

Product Code: DC07

FRAS Spiral Guard

Applications

- FRAS spiral guard is designed to bundle and/or protect hose and cables from abrasion.

Features

- BS EN ISO 8031:1997 for electrical resistance
- BS EN ISO 8030:1998 for fire resistance
- ISO 4589-1:1996 for determination of burning behaviour by oxygen index NSW department of mineral resources MDA 99/579

Temperature

- -0°C to 82°C



Dimensions (mm)		Part Numbers	Box Quantity (mtr)
ID	OD		
12	16	RF1620	20
15	20	RF2020	20
19	25	RF2520	20
23	30	RF3220	20
30.5	39	RF4020	20
38	46.5	RF5020	20
47	58	RF6320	20
61	73	RF7520	20
70.5	84.5	RF9020	20

Product Code: DC07



Custom Hose Assemblies

We specialise in the construction of hose assemblies that can be fitted, tested and tagged with the ability to crimp hose up to 12". Our hose assemblies adhere to the applicable NAHAD or Australian Standards, ensuring full compliance. Operating hose centres in Adelaide, Perth, and Sydney, we are committed to delivering quality and compliant hose solutions to our valued customers.

Industrial Hose - Technical Information

Hose Assemblies - B.E.S.A.F.E.

Hose assemblies must be inspected prior to each use. Worn-out fittings, attachment devices, hose and accessory items must be replaced. Retaining and safety devices such as clips, cables or chains must be used. Clamps must be checked regularly to the specified torque found in the Dixon™ literature. Under no circumstance should any coupling be disconnected while under pressure unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death, and destruction of property and equipment.

B	E	S	A	F	E
BEWARE	ELIMINATE	SECURE	ALWAYS	FITTINGS	EDUCATE
<p>Beware as hose assemblies can be dangerous when used improperly or in the wrong application. The maximum working pressure shown on the hose is not an indication of the working pressure of the assembly</p> <p>Based on the hose, fittings and attachment method used, all assemblies should be permanently marked with the designed working pressure and the intended media. The assembly working pressure should be permanently displayed</p> <p>Hose assemblies must be used for the intended service only. Never alter manufactured products or substitute component parts</p>	<p>Eliminate hazardous conditions by inspecting, maintaining and testing hose assemblies</p> <p>Dixon™ recommends that all hose assemblies be tested in accordance with the hose manufacturer's specifications. The application determines the regularity of the re-testing schedule</p>	<p>Secure and inspect hose, fittings, clamping devices and safety accessories before each use. Never take for granted that the coupling or attachment devices are properly installed</p>	<p>Always inspect and re-tighten the bolts of any bolt-style clamping device to the manufacturer's torque specifications</p>	<p>Fittings, hose, and clamping devices that are worn out or damaged must be removed from service</p>	<p>Educate your employees about the proper use, care and potential hazards of hose assemblies</p> <p>Take advantage of Dixon™'s free Safety Survey Program and the follow-up Training Seminar to assist setting up your own inspection program. Contact Dixon™ if you have any questions on applications, use or assembly</p>

Pressure Ratings

Pressure ratings for couplings, as stated in this catalogue, are based upon ambient temperature (21°C) applications, using all new Dixon™ products and installed by a qualified assembly using Dixon™ procedures and equipment.

Temperature can affect coupling retention - for temperatures other than ambient (21°C), contact Dixon™.

Product Selection

Many of the products in this catalogue are used in hose assemblies in a variety of applications. The safety of any hose assembly rests on the proper selection, installation, testing and use of each product.

The safe use of any product in this catalogue is dependent upon the correct selection of the hose, fittings and method of attachment. To ensure a correct selection, the user must inform the distributor of the application and pressure involved when ordering hose assemblies.

The use of the acronym S.T.A.M.P.E.D. (Size, Temperature, Application, Media, Pressure, Ends, Dixon™) will help in the proper selection of hose assembly components. The selection of couplings and clamping devices is the responsibility of the purchaser or user based on the hose manufacturer's recommendations. If the purchaser or user is uncertain about the use or application of a product, Dixon™ can provide information including test results (if available), coupling and clamping recommendations and other data to assist.

Installation

To achieve a safe and reliable assembly, proper installation procedures must be followed. Each component of the assembly plays a part in determining these procedures. The purchaser or user must follow proper procedures. If the purchaser or user has any questions regarding installation please contact Dixon™.

Testing

Dixon™ recommends that all hoses assemblies be tested in accordance with the hose manufacturer's recommendations.

Re-testing and Inspection

Dixon™ recommends inspection and re-testing of hose assemblies on a regular and consistent basis in accordance with the hose manufacturer's recommendations. The application determines the regularity of the inspection and re-testing schedule.

Any worn-out or damaged hoses and fittings or missing safety devices should be replaced immediately. Bolt-style clamps must be checked and retightened on a regular and consistent basis.

Hose Assemblies

"The very properties that make compressed gases useful in almost every area of modern life can also make them dangerous when mishandled. Years of experience with compressed gases have led to practices and equipment which, if employed, result in complete safety."

(source: Handbook of Compressed Gases)

All hose assemblies should be viewed as potential hazards. This document is designed to inform and educate anyone who manufactures, specifies, supplies, purchases, assembles, uses, maintains or tests any hose assembly or its component parts. The proper selection and maintenance of hose, couplings, attachment devices and accessories is imperative.

It is the end user's responsibility to inform the distributor of the application and any special conditions that the hose assembly must meet. It is the distributor's responsibility to supply the proper assembly for the intended application.

Accidents and downtime may occur if hose assemblies are not properly selected for the specific application. The performance and safety of the assembly is affected by the quality of the individual components. The use of the STAMPED method will help in the proper selection of the hose assembly components. When in doubt, Dixon™ is available to assist with the correct coupling recommendation.

Air Hose Couplings

Air can be one of the most dangerous forms of energy because it is used in so many applications, and when mishandled it can have more serious consequences than fluids. Air as a gas is compressible (fluids press only against hose or vessel walls and lose little volume under pressure). When pressurised air releases suddenly, it does so with explosive force and can cause rapid hose whip, which can cause serious physical harm to personnel or damage to nearby objects.

This is why selecting the correct hose and couplings for airlines, and their proper installation and maintenance, is so important. Never take for granted that a coupling is connected correctly or that a clamp is fully tightened on an air hose - check it regularly and use safety devices.

Steam & Gas

The same rules apply for steam and gas as they do for air. As steam and gas are inherently more hazardous, personnel should treat the hose and couplings on these lines with more care and respect. Checking clamp tightness is very important with steam hose, where it is not unusual for clamps to loosen in service, in which case they MUST BE RETIGHTENED! Safety devices should also be used. Hose assemblies for steam must only use components specifically nominated for steam service.

Fluid Hose Couplings

Again, nothing should be taken for granted. In particular check clamps for tightness each time the lines are used, especially when petroleum products or other hazardous liquids are involved. When a large-diameter hose is suspended, it can be quite dangerous if it drops unexpectedly due to a coupling "pull-out" or sudden disconnection. A heavy fitting or clamp, plus the weight of the hose itself falling from any height can cause injuries or damage. Be sure to use safety devices.

All Hose Assemblies

All hose assemblies should be treated with respect and as a potential hazard. Worn-out fittings should be replaced. Retaining devices such as clips, cables or chains should be used, and clamps should be checked regularly. Under no circumstances should any coupling be disconnected while under pressure unless the coupling is specifically designed to do so. Disconnecting couplings under pressure could result in serious injury or death, and destruction of property and equipment.



- Proper selection, care, use and maintenance of hose couplings and accessory items. Failure to use these procedures can result in serious injury or death, and destruction of property and equipment
- Incorrect use, worn fittings and clamps can cause serious injury

When fabricating and specifying hose assemblies, ask the following questions:

Size

What is the ID (inside diameter) of the hose? What is the OD (outside diameter) of both ends of the hose? What is the overall length of the assembly required?

Temperature

What is the temperature range of the media (product) that is flowing through the hose assembly? What is the temperature range of the environment that surrounds the outside of the hose assembly?

Application

How is the hose assembly actually being used? Is it a pressure application? Is it a vacuum (suction) application? Is it a gravity flow application? Are there any special requirements that the hose assembly is expected to perform? Is the hose being used in a horizontal or vertical position? Are there any pulsations or vibrations acting on the hose assembly?

Media

What is the media/material that is flowing through the hose assembly? Being specific is critical - check for abrasive materials, chemical compatibility, etc.

Pressure

What is the maximum pressure including surges (or maximum vacuum) that this hose assembly will be subjected to? Always rate the maximum working pressure of your hose assembly by the lowest-rated component in the system.

Ends

What couplings have been requested by the user? Are they the proper fittings for the application and hose selected?

Dixon™

What is the maximum pressure including surges (or maximum vacuum) that this hose assembly will be subjected to? Always rate the maximum working pressure of your hose assembly by the lowest-rated component in the system.



SCAN THIS QR CODE to access the S.T.A.M.P.E.D. form on our website

Misapplications or Misuse



Damage to Hose Cover – The hose cover protects the reinforcement of the hose from damage. If the reinforcement, which provides the hoses pressure rating is exposed or damaged affects the WP of the hose and may lead to failures when pressurised. Damaged hose should be removed from service and repaired or replaced.



What's under the tape? – The use of duct tape or rags to hide defects or patch leaks should be discontinued. It could be hiding a potential hazard. Any damaged or leaking hoses should be removed from service and repaired or replaced.



Hose Tail Insertion – A hose assembly, in order to be completely safe and functional, must have the tail of the coupling fully inserted into the square cut end of the hose. Failure to correctly do so may result in premature failure of the assembly which has the potential to cause damage to plant and person.



Hose Assembly Request Form

Company Name:	Contact Name:
Phone:	Email:
State / Branch:	Date:
Special Instructions:	

S	Size
	ID mm Length mtrs Preferred hose material
T	Temperature of media (inside hose) and environment (outside hose)
	Media °C Environment °C Steam Yes <input type="checkbox"/> No <input type="checkbox"/>
A	Application
	Application
	External Environment Transfer Type
M	Material being transferred (type & concentration)
P	Pressure
	Pressure
E	End clamping and fitting methods
	End fitting 1 + material End fitting 2 + material
	Preferred clamping method
D	Delivery
	Testing and certification required Yes <input type="checkbox"/> No <input type="checkbox"/> Date required
	Standard (if known) Quantity

Force Chart End Pull Force (kg)

Hose/Pipe ID		25 PSI	50 PSI	75 PSI	100 PSI	150 PSI	200 PSI	250 PSI	300 PSI	500 PSI	1000 PSI	2000 PSI
inch	mm											
¼	6	1	1	2	2	3	4	5	7	11	22	44
⅜	10	1	2	4	5	7	10	12	15	25	49	98
½	13	2	4	7	9	13	17	22	26	44	87	175
¾	19	5	10	15	20	29	39	49	59	98	197	393
1	25	9	17	26	35	52	70	87	105	175	349	699
1¼	32	14	27	41	55	82	109	136	164	273	546	1,092
1½	38	20	39	59	79	118	157	197	236	393	786	1,572
2	51	35	70	105	140	210	279	349	419	699	1,397	2,795
2½	64	55	109	164	218	328	437	546	655	1,092	2,184	4,367
3	76	79	157	236	314	472	629	786	943	1,572	3,144	6,289
4	102	140	279	419	559	838	1,118	1,397	1,677	2,795	5,590	11,180
5	127	218	437	655	873	1,310	1,747	2,184	2,620	4,367	8,734	17,468
6	152	314	629	943	1,258	1,887	2,515	3,144	3,773	6,289	12,577	25,154
8	203	559	1,118	1,677	2,236	3,354	4,472	5,590	6,708	11,180	22,359	44,718
10	254	873	1,747	2,620	3,494	5,240	6,987	8,734	10,481	17,468	34,936	69,872
12	305	1,258	2,515	3,773	5,031	7,546	10,062	12,577	15,092	25,154	50,308	100,616

- For hose ID's from 1¼" to 12" the force in kilograms is greater than the PSI
- Force is the dynamic power which is exported longitudinally through a hose, towards the ends. To arrive at the number of kilograms of Force exerted, you merely multiply the area of the ID times the working pressure being used
- Area of a Circle: $\pi \times R^2$ (PI [3.1416] x radius squared)
- FORCE = AREA x PRESSURE

Vacuum Conversions

ATM	PSI	Water		Mercury		Percentage %
		metre	Feet	mm	inch	
0.1	1.4	1	3' 3 3/8"	73	2.9	10
0.2	2.8	2	6' 6 3/4"	147	5.8	20
0.3	4.2	3	9' 10 1/8"	220	8.7	30
0.4	5.7	4	13' 1 1/2"	294	11.6	40
0.5	7.1	5	16' 4 13/16"	367	14.5	50
0.6	8.5	6	19' 8 3/16"	441	17.4	60
0.7	10.0	7	22' 11 9/16"	514	20.3	70
0.8	11.4	8	26' 2 15/16"	588	23.2	80
0.9	12.8	9	29' 6 3/8"	662	26.0	90
1.0	14.2	10	32' 9 11/16'	735	29.0	100

Understanding the Forces at Work

In all pressurised hose and piping systems there are invisible forces at work being used to transfer media through the system or to provide energy to equipment to perform the required task.

The same features of a pressurised system that make it useful also make it potentially dangerous. To keep pressurised systems safe it is crucial that the forces are understood, and that the equipment being used (ie hose, pipe etc) is suitable for the application.

Hose assemblies must be designed and built with the confidence that they will perform to requirements without chance of failure. To achieve the required level of confidence, the hose must either have a proven history or be tested and certified for use in that application. There is often just too much to risk should something go wrong.

The amount of end force on a hose assembly is determined by multiplying the pressure by the end cross-sectional area. This end force is the force that a clamp must resist to prevent the fitting from coming out of the hose. For example, a 25mm (1") hose at 100PSI exerts 79 pounds (36kg) end force. However, a 150mm (6") hose installed on the same system operating at 100PSI will exert an end force of 2,827 (1,282kg) end force.

The clamp in a hose assembly attempts to create a frictional force between the hose and fitting greater than the force trying to push the fitting out. A hose clamp produces both friction and a lock to overcome this end force.

Why then do fittings come out of hoses? Either the end force is greater than the frictional force on a smooth tail fitting, or the material changes shape and "flows" out of the Barbs, known as 'cold flow'.

"Cold flow is the distortion, deformation or dimensional change that takes place in

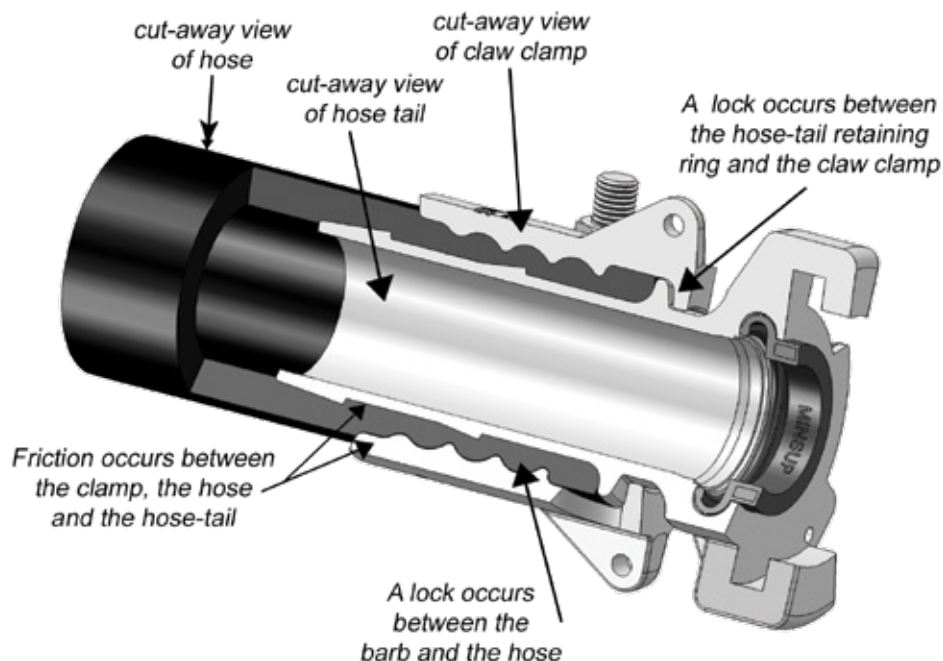
materials under continuous load at temperatures within the acceptable working range."

Simply put, this means the material flows and moves. In relation to hose assemblies, the force applied by the hose clamp combined with the end force caused by pressure will cause the ends of the hose to stretch out resulting in a thinner wall section. The flow-on effects this has created are reduced torque on clamp bolts and less clamping force between the clamp, hose and hose tail.

The effects of cold flow will vary depending on many factors such as materials, temperature, fitting geometry etc.

When specifying a hose it is most important to ensure that all of the application criteria are explained so that a hose assembly can be specified to suit. Something as seemingly minor as a slightly elevated working temperature can dramatically affect the performance of the hose assembly.

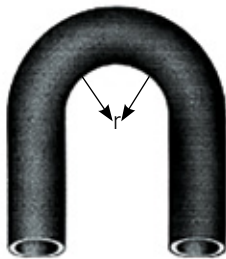
The final consideration needs to be maintenance to your hose assembly. Although your hose assembly has been built to specifications, consideration still needs to be given to cold flow. Bolted hose assemblies must have the torque ratings checked "routinely". Many end users demand to know what "routinely" means and ask the hose supplier to specify requirements. Unfortunately, due to the number of variables at play, "routinely" can not be defined or specified. What must be done is for the end user to seek advice from the supplier on how to best maintain their hose assemblies.



Properties of Rubber Hose

Polymer	Wire Reinforced	Natural	Neoprene	Nitrile	Styrene Butadiene	FKM	Silicone
Abbreviation	EPDM	NR	CR	NBR	SBR	FKM	SI
Hardness Range A	20-90	30-98	25-90	20-98	25-95	60-90	30-85
Tensile Strength	2	1	2	2	2	3	4
Elongation	2	1	2	2	2	2	3
Abrasion	3	2	2	2	2	3	4
Tear	2	1	2	3	3	3	4
Compression Set @ 20°C	2	2	2	2	2	1	1
Compression Set @ 100°C	2	4	3	2-3	3	1	1
Compression Set @ 150°C	3	5	5	5	5	1	1
Denting	4	1	2	3	3	2	1
Service Temp Range	-56°C to 177°C	-56°C to 82°C	-50°C to 121°C	-55°C to 100°C	-55°C to 100°C	-40°C to 287°C	-115°C to 315°C
Max Service Continuous Temp	100°C	70°C	90°C	80°C	80°C	220°C	220°C
Ozone - UV	1	4	2	4	4	1	1
Resiliency	3	1	2	3	4	3	2
Acids	1	3	3	4	4	1	2
Caustics	1	2	2	3	3	2	2
Petrol	5	5	3	1	5	1	4
Aromatic Hydro-Carbon	5	5	5	3	5	1	5
Chlorine	4	4	4	4	4	1	3
Water	1	1	4	2	2	3	2
Ketones	1	1	3	4	5	5	4
Alcohol	1	1	2	1	1	4	2
Esters	1	1	3	4	1	1	3
Oils	5	5	3	1	5	1	3
Ratings	1 = Excellent, 2 = Above Average, 3 = Average, 4 = Fair, 5 = Unsuitable						

Minimum Hose Bend Radius Recommendations



The bend radius is the radius of the arc through which a hose is bent.

The minimum bend radius is the tightest arc in which a hose can be bent without kinking or otherwise damaging the hose.

Bending a hose to a tight radius imposes stresses on the structure of the hose which may cause a reduction in the performance, or in extreme cases, cause permanent damage to the hose.

Hose	Wire Reinforced	Non-Wire Reinforced
Up to 50mm ID	6 Times	12 Times
Over 50mm ID	8 Times	12 Times

* Multiply hose OD by factor in chart

The minimum bend radius that a hose will withstand depends upon many factors including the wall thickness, the presence of a wire helix, the type of reinforcing material and the loss of performance that can be tolerated.

It is recommended that the following guides be used to determine the minimum bend radius for the range of rubber hoses.

*** This figure should be taken as a general guide only. If unsure contact Dixon™.**

Basic Compounds in Rubber Hose

The following table gives the general properties of the most common rubber compounds used in hoses today. It is provided as a guide and therefore generalised to some degree.

Common Name	ASTM	Composition	General Properties
Butyl	iir	Isobutylene	Excellent weathering resistance: low permeability to air and gas: good physical properties: heat resistant; poor resistance to petroleum-based fluids
CPE	cm	Chlorinated Polyethylene Elastomer	Excellent ozone and weathering resistance: excellent oil and aromatic resistance: excellent flame resistance
Cross-Linked Polyethylene	-	Cross-Linked Polyethylene	Excellent resistance to a very wide range of solvents, chemicals, acids and oil (including aromatics)
EPDM	EPDM	Ethylene Propylene Diene Monomer	Excellent ozone, chemical and ageing characteristics: poor resistance to petroleum-based fluids: very good steam resistance
EPR	epm	Ethylene Propylene Copolymer	Excellent ozone, weathering, heat, chemical and ageing resistance: low permeability to water: not oil resistant
Hypalon	csm	Chloro-Sulphonated-Polyethylene	Excellent physical properties: Very good abrasion resistance: acid resistance: not oil resistant
Natural	nr	Isoprene Natural	Excellent physical properties: flame retarding: good oil resistance: good physical properties
Neoprene (Perbunan-C)	cr	Chloroprene	Excellent oil resistance: moderate resistance to aromatics: good physical properties
Nitrile (Buna-N)	nbr	Nitrile-Butadiene	Excellent oil and weathering resistance both for tube and cover
NVC/70	nbr/PVC	Nitrile Polyvinyl Chloride	Excellent oil resistance: moderate resistance to aromatics: good physical properties
Polyacrylic	acm	Acrylic Monomer	Excellent oil and tar resistance at high temperatures
SBR	sbr	Styrene-Butadiene	Good physical properties: good abrasion resistance: poor resistance to petroleum-based fluids
FKM	fpm	Hexafluoro-Propylene Vinylidene Fluoride	Excellent high-temperature resistance in air and oil: very good chemical resistance

Water Discharge Table

This table is intended for general reference and general applicability only, and should not be relied upon as the sole or precise source of information available with respect to the subject covered. The user should also refer to and follow the manufacturer's specific instructions and recommendations with regard to such information, where they exist.

The flow of water through 30-metre lengths of hose, straight-smooth bore - litres per minute.

Nominal Hose ID Diameters

PSI at Hose Inlet	1"	1¼"	1½"	2"	2½"	3"	4"	5"
20	98	178	288	609	1098	1772	3774	10959
30	121	220	256	757	1363	2203	4694	13639
40	144	257	416	886	1594	2574	5485	15933
50	163	291	469	999	1798	2903	6189	17973
60	178	322	519	1102	1984	3202	6829	19832
75	201	360	583	1245	2237	3615	7703	22372
100	235	424	681	1454	2612	4221	8998	26134
125	265	477	768	1639	2949	4762	10149	29481
150	291	526	88	1809	3252	5254	11197	32528
200	341	613	992	2112	3801	6136	13079	37998

Figures are to be used as a guide since the hose inside diameter tolerance, the type of fittings used, and orifice restriction all influence the actual discharge. Thus, variations plus or minus from the table may be obtained in actual service.

Industrial Hose - Technical Information

Pressure Drop in Rubber Hoses - Water

The following tables of pressure drops and flow rates are based on experimental data and may be considered typical of most hoses. The data is based upon hoses laid out in a straight line and thus it must not be considered as an exact result that may be obtained at a given pressure. Variables such as hose fittings and bend increase the frictional losses and an estimate of their effect may be determined by adding an "equivalent length" to the hose length. Values of the equivalent length (Le) may be determined using the diameter (D) of the hose in the following relationships:

90° Swept Elbow	- Le = 20D
90° Square Elbow	- Le = 50D
45° Square Elbow	- Le = 16D
Hose Coupling	- Le = 05D

Pressure Drop (KPa per 100 metres) Water @ 20°C Through Hose

Hose Nominal Bore (mm)

Flow Rate (l/m)	12.5	16	19	25	32	38	40	50	64	75	80	100	125
25	1100	470	210	50	-	-	-	-	-	-	-	-	-
50	-	2440	770	200	90	30	-	-	-	-	-	-	-
100	-	-	2660	730	300	100	55	30	-	-	-	-	-
200	-	-	-	-	1030	405	285	95	25	-	-	-	-
300	-	-	-	-	-	900	650	210	65	20	-	-	-
400	-	-	-	-	-	-	1200	370	110	40	-	-	-
500	-	-	-	-	-	-	-	580	155	70	50	-	-
1000	-	-	-	-	-	-	-	-	575	230	180	55	-
2000	-	-	-	-	-	-	-	-	-	920	600	220	45
3000	-	-	-	-	-	-	-	-	-	2125	1400	490	100
4000	-	-	-	-	-	-	-	-	-	-	-	805	190
5000	-	-	-	-	-	-	-	-	-	-	-	1390	315

Pressure drop is directly proportioned to the length of hose
Friction is independent of pressure and proportional to velocity

Flow Rate of Water Through Hose

Volumetric Flowrate of Water Through 100m Hose (litre/minute)

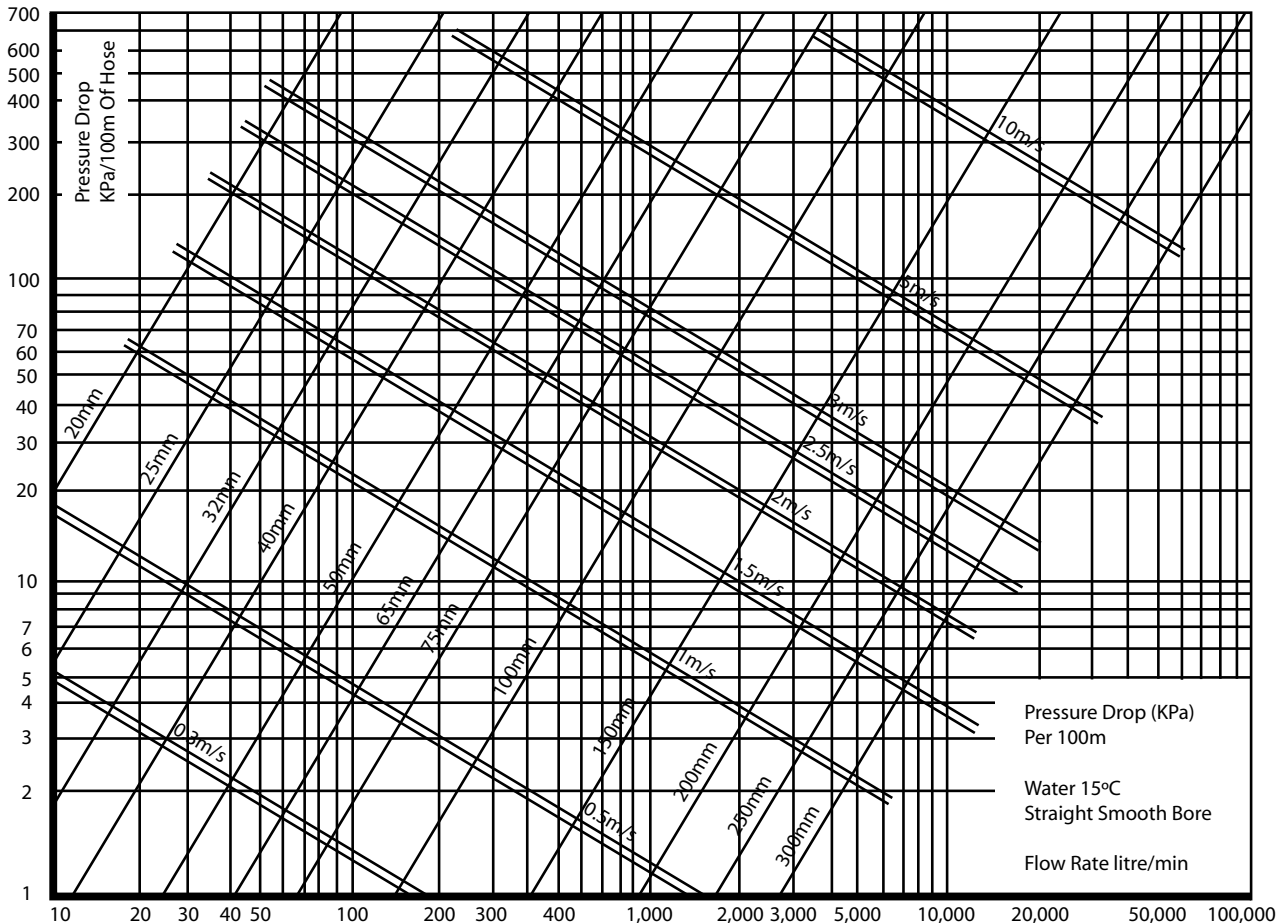
Inlet Pressure (kPa)	Hose Internal Diameter (mm)													
	12.5	16	20	25	32	38	40	50	64	75	80	100	150	200
150	15.5	31	48	102	181	299	359	639	1145	1701	2079	3969	11482	24239
200	18.5	35	57	117	215	352	408	741	1342	2126	2457	4631	13466	28870
300	24	42	71	157	272	438	499	922	1663	2717	3071	5670	16727	35749
400	29.5	49	82	178	317	510	582	1081	1950	3189	3662	6710	19609	41675
500	33	56	93	200	355	575	658	1221	2200	3544	4064	7560	22047	46967
600	36	62	102	219	397	635	730	1349	2430	3936	4408	8269	24334	51739
700	38	69	111	238	427	688	801	1467	2646	4253	4772	9025	26413	56228
800	41	73	120	257	464	737	862	1576	2835	4631	5198	9686	28634	60480
900	43	77	127	272	491	783	919	1686	3013	4938	5576	10348	30335	64260
1000	45	82	134	291	522	828	972	1788	3187	5198	5906	11009	32036	67946
1250	52	93	149	333	586	937	1111	2015	3595	5826	6804	12521	36052	76592

Pressure Drop in Rubber Hoses - Air

Size (mm)	Cu/m of Free Air							
	0.5	1.0	1.25	1.5	2.0	2.75	3.5	4.25
12.5	249	855	1325	-	-	-	-	-
19	-	215	350	505	895	1725	2745	-
25	-	-	-	-	250	465	755	1100
32	-	-	-	-	80	100	175	285
38	-	-	-	-	-	45	75	135

Size (mm)	Cu/m of Free Air											
	15	20	30	40	50	60	70	80	90	100	125	150
50	385	680	1530	2690	4230	-	-	-	-	-	-	-
64	160	270	565	1020	1630	2350	3170	4185	5270	-	-	-
76	-	-	215	330	520	745	1020	1335	1675	2035	3190	4590

Pressure Drop in Layflat Hose



Industrial Hose - Technical Information

Chemical Resistance Chart for Rubber Hose

Key to Chemical Guide

- EX - Recommended, little or no effect on tube compound, suitable for continuous service
- G - Recommended, minor effect on tube compound may be suitable for continuous service, suitable for intermittent service
- C - Questionable, moderate to severe effect on tube, may be suitable for limited applications
- X - Not recommended
- I - No data available, but not expected to perform better than rated compounds

Chemical	EPDM	Hypalon	Natural	Nitrile	Chloroprene	SBR	FKM	Cross Linked Poly Ethylene	CPE
Acetaldehyde 50%	G	C	G	X	C	C	X	EX	I
Acetic Acid-Glacial	G	C	G	C	X	G	C	EX	EX
Acetic Acid 30%	G	G	G	G	EX	G	G	EX	EX
Acetic Anhydride	C	EX	G	C	G	G	X	EX	EX
Acetone	G	G	C	X	C	C	X	EX	EX
Acetyl Chloride	X	X	X	X	X	X	EX	G	EX
Acetylene	G	G	G	EX	G	G	EX	EX	I
Adipic Acid	G	I	EX	EX	EX	EX	I	I	I
Aluminium Acetate	G	EX	EX	G	G	G	X	EX	EX
Aluminium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Aluminium Fluoride	G	EX	G	EX	EX	EX	EX	EX	I
Aluminium Nitrate	G	EX	EX	EX	EX	EX	EX	EX	EX
Aluminium Sulfate	G	EX	EX	EX	EX	EX	EX	EX	EX
Ammonia Anhydrous	G	G	X	G	EX	X	X	EX	EX
Ammonia Gas (cold)	G	EX	EX	EX	EX	EX	EX	X	EX
Ammonia Gas (hot)	C	G	X	X	G	X	X	EX	I
Ammonium Carbonate	G	I	EX	X	EX	EX	I	I	EX
Ammonium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Ammonium Hydroxide	G	EX	X	X	EX	X	G	EX	EX
Ammonium Nitrate	G	EX	C	EX	EX	G	I	EX	I
Ammonium Nitrite	G	EX	EX	EX	EX	EX	I	EX	I
Ammonium Phosphate	G	EX	EX	EX	EX	EX	I	EX	EX
Ammonium Sulfate	G	EX	EX	EX	EX	EX	X	EX	EX
Amyl Acetate	X	X	X	X	X	X	X	EX	C
Amyl Alcohol	G	EX	G	G	G	G	G	EX	EX
Aniline	G	C	X	X	X	X	C	EX	G
Aniline Dynes	G	G	G	X	G	G	G	EX	G
Aniline Hydrochloride	C	X	G	G	X	X	G	EX	I
Animal Fats	C	G	X	EX	G	X	EX	EX	EX
Aqua Regia	X	EX	X	X	X	X	G	X	G
Arsenic Acid	G	EX	G	EX	EX	EX	EX	EX	EX
Arsenic Trichloride	X	I	X	EX	EX	I	I	X	I
Asphalt	I	G	X	G	G	X	EX	X	I
Barium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Barium Sulfate	G	EX	EX	EX	EX	EX	EX	EX	EX
Barium Sulphide	G	EX	EX	EX	EX	G	EX	EX	EX
Beer	G	EX	EX	EX	EX	EX	EX	I	EX
Benzene	X	X	X	X	X	X	EX	EX	X
Benzyl Alcohol	G	G	X	X	G	X	EX	EX	I
Benzyl Benzoate	C	X	X	X	X	X	X	EX	I
Benzyl Chloride	X	X	X	X	X	X	EX	EX	X
Benzoic Acid	X	X	X	C	X	X	EX	EX	EX
Bordeaux Mixture	G	EX	G	G	G	G	EX	EX	I
Boric Acid	G	EX	EX	EX	EX	EX	EX	EX	EX
Brine	G	EX	EX	EX	EX	EX	EX	EX	EX
Bromine - Anhydrous	X	X	X	X	X	X	EX	X	I
Bromine Trifluoride	X	X	X	X	X	X	X	X	I
Bromine Water	G	EX	X	X	X	X	EX	X	I
Bromotoluene	X	X	X	X	X	X	EX	C	X

Chemical Resistance Chart for Rubber Hose

Chemical	EPDM	Hypalon	Natural	Nitrile	Chloroprene	SBR	FKM	Cross Linked Poly Ethylene	CPE
Bunker Oil	X	X	X	EX	X	X	EX	EX	I
Butane	X	G	X	EX	EX	X	EX	EX	G
Butadiene	X	C	X	X	X	X	EX	EX	I
Butter	G	G	X	EX	G	X	EX	EX	G
Butyl Acetate	X	X	X	X	X	X	X	EX	G
Butyl Alcohol	C	EX	EX	EX	EX	EX	EX	EX	EX
Butyl Amine	G	X	X	C	X	X	X	I	G
Butyl Benzoate	C	X	C	X	X	G	EX	EX	I
Butyl Cellosolve	G	G	X	C	C	X	X	EX	EX
Butyl Stearate	X	X	X	G	X	X	EX	EX	G
Butyraldehyde	C	X	X	X	C	X	X	EX	G
Calcium Acetate	G	G	EX	G	G	X	X	EX	EX
Calcium Bisulfite	X	EX	X	X	EX	X	EX	EX	EX
Calcium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Calcium Hydroxide	G	EX	EX	EX	EX	EX	EX	EX	EX
Calcium Hypochlorite	G	EX	C	G	C	C	EX	C	EX
Calcium Nitrate		EX	EX	EX	EX	EX	EX	EX	EX
Calcium Sulfide	G	EX	G	EX	EX	G	EX	EX	EX
Carbitol	C	G	G	G	G	G	G	EX	EX
Carbonic Acid (phenol)	C	X	X	X	C	X	EX	EX	EX
Carbon Bisulfide	X	X	X	C	X	X	EX	I	C
Carbon Dioxide	C	G	G	EX	G	G	EX	EX	I
Carbonic Acid	G	EX	EX	G	EX	G	EX	EX	EX
Carbon Monoxide	G	G	G	EX	G	G	EX	EX	I
Carbon Tetrachloride	X	X	X	C	X	X	EX	EX	X
Castor Oil	C	G	EX	EX	EX	EX	EX	EX	EX
Cellosolve	C	X	X	X	X	X	C	EX	I
Cellosolve Acetate	C	X	X	X	X	X	X	EX	I
Chlorine (dry)	X	G	X	X	C	X	EX	C	I
Chlorine (wet)	X	C	X	X	C	X	EX	C	I
Chlorine Dioxide	X	C	X	X	X	X	EX	C	I
Chloroacetone	G	C	X	X	C	X	X	EX	X
Chloroacetic Acid	G	EX	X	X	X	X	X	EX	I
Chlorobenzene	X	X	X	X	X	X	EX	EX	X
Chlorobutadiene	X	X	X	X	X	X	EX	EX	I
Chloroform	X	X	X	X	X	X	EX	G	X
Chlorotoluene	X	X	X	X	X	X	EX	G	X
Chrome Plating Solutions	C	X	X	X	X	X	EX	I	I
Chromic Acid	G	G	X	X	C	X	EX	EX	EX
Citric Acid	G	EX	EX	EX	EX	EX	EX	EX	I
Cobalt	G	EX	EX	EX	EX	EX	EX	EX	I
Coconut Oil	X	C	X	EX	G	X	EX	EX	I
Cod Liver Oil	G	G	X	EX	G	X	EX	EX	I
Coke Oven Gas	X	C	X	X	X	X	EX	EX	I
Copper Acetate	G	G	EX	G	G	X	X	EX	I
Copper Chloride	G	G	EX	EX	G	EX	EX	EX	G
Copper Cyanide	G	EX	EX	EX	EX	EX	EX	EX	I
Copper Sulfate	G	EX	G	EX	EX	G	EX	EX	EX
Corn Oil	X	G	X	EX	C	X	EX	EX	G
Cottonseed Oil	C	G	X	EX	G	X	EX	EX	G
Creosote (coal tar)	X	X	X	EX	G	X	EX	EX	I
Cresol	X	X	X	X	C	X	EX	EX	EX
Cresylic Acid	X	X	X	X	C	X	EX	EX	I
Cumene	X	X	X	X	X	X	EX	EX	C
Cyclohexane	X	X	X	EX	C	X	EX	EX	EX
Cyclohexanol	X	G	X	C	EX	X	EX	EX	EX
Cyclohexanone	G	X	X	X	X	X	X	EX	G
P-Cymene	X	X	X	X	X	X	EX	EX	X
Decalin	X	X	X	X	X	X	EX	EX	X
Denatured Alcohol	G	EX	EX	EX	EX	EX	EX	EX	EX

Industrial Hose - Technical Information

Chemical Resistance Chart for Rubber Hose

Chemical	EPDM	Hypalon	Natural	Nitrile	Chloroprene	SBR	FKM	Cross Linked Poly Ethylene	CPE
Detergent Solution (non-hydrocarbon)	G	G	G	EX	G	G	EX	EX	G
Diacetone	G	X	X	X	X	X	X	EX	I
Diacetone Alcohol	G	G	X	X	G	X	X	EX	EX
Dibenzyl Ether	C	X	X	X	C	X	X	EX	C
Dibutyl Amine	G	X	X	X	X	X	X	EX	EX
Dibutyl Ether	X	X	X	X	C	X	C	EX	EX
Dibutyl Phthalate	C	X	X	X	X	X	C	EX	C
Dibutyl Sebecate	C	X	X	X	X	X	G	EX	G
Dichlorobenzene	X	X	X	X	X	X	EX	EX	X
Diesel Oil	X	C	X	EX	C	X	EX	EX	I
Diethylamine	G	C	G	G	G	G	X	EX	G
Diethylamine Benzene	X	X	X	X	X	X	EX	EX	X
Diethyl Ether	X	C	X	X	C	X	X	EX	EX
Diethylene Glycol	G	EX	EX	EX	EX	EX	EX	EX	EX
Diethyl Sebecate	C	G	X	G	X	X	G	EX	G
Diisobutylene	G	X	X	G	X	X	EX	EX	I
Diisopropyl Benzene	X	X	X	X	X	X	EX	EX	I
Disopropyl Ketone	G	X	X	X	X	X	X	EX	I
Dimethyl Formamide	G	X	X	G	C	X	X	EX	I
Dimethyl Phthalate	G	X	X	X	X	X	G	EX	EX
Dinitrotoluene	X	X	X	X	X	X	EX	EX	X
Diocetyl Phthalate	C	X	X	C	X	X	G	EX	C
Diocetyl Sebecate	C	X	X	X	X	X	G	EX	X
Dipentene	X	X	X	G	X	X	EX	EX	G
Piphenyl (phenylbenzene)	X	X	X	X	X	X	EX	EX	I
Dowtherm Oil	X	X	X	X	X	X	EX	EX	C
Dry Cleaning Fluids	X	X	X	C	X	X	EX	I	I
Ethane	X	G	X	EX	G	X	EX	EX	I
Ethanolamine	G	C	G	G	G	G	X	EX	EX
Ethyl Acetate	G	X	X	X	C	X	X	EX	G
Ethyl Acetoacetate	G	X	C	X	C	C	X	EX	EX
Ethyl Alcohol	G	EX	EX	EX	EX	EX	C	EX	EX
Ethyl Benzene	X	X	X	X	X	X	EX	EX	X
Ethyl Benzoate	G	X	EX	X	X	EX	EX	G	X
Ethyl Cellulose	C	G	G	G	G	G	X	EX	I
Ethyl Chloride	X	X	X	EX	X	X	EX	EX	I
Ethyl Ether	X	X	X	C	C	X	X	EX	EX
Ethyl Formate	C	G	X	X	G	X	EX	EX	EX
Ethyl Pentochloro-benzene	X	X	X	X	X	X	EX	X	X
Ethyl Silicate	G	G	G	EX	EX	G	EX	EX	EX
Ethylene	C	-	C	EX	C	C	EX	I	I
Ethylene Chloride	X	X	X	X	X	X	EX	EX	I
Ethylene Chlorohydrin	C	G	G	X	G	G	EX	EX	I
Ethylene Diamine	G	G	EX	EX	EX	G	X	EX	G
Ethylene Dichloride	X	X	X	X	X	X	EX	EX	C
Ethylene Glycol	G	EX	EX	EX	EX	EX	EX	EX	EX
Ethylene Trichloride	X	X	X	X	X	X	EX	EX	I
Ferric Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Ferric Nitrate	G	EX	EX	EX	EX	EX	EX	EX	EX
Ferric Sulfate	G	EX	EX	EX	EX	EX	EX	EX	EX
Fish Oil	X	I	X	EX	X	X	EX	EX	I
Fluoroboric Acid	G	EX	EX	EX	EX	EX	I	EX	EX
Fluorobenzene	X	I	X	X	X	X	EX	EX	I
Fluorolube	G	EX	G	EX	G	C	G	I	I
Fluosilic Acid	C	EX	G	EX	G	C	EX	G	EX
Formaldehyde	G	EX	G	C	G	G	X	EX	EX
Formic Acid	G	X	G	G	EX	EX	C	G	EX
Freon 12	C	EX	G	EX	EX	EX	G	EX	EX
Freon 13	EX	EX	EX	EX	EX	EX	EX	EX	EX
Freon 21	X	X	X	EX	X	X	X	EX	X
Freon 22	G	EX	G	EX	EX	EX	X	EX	EX
Freon 114	G	EX	EX	EX	EX	EX	G	EX	I

Chemical Resistance Chart for Rubber Hose

Chemical	EPDM	Hypalon	Natural	Nitrile	Chloroprene	SBR	FKM	Cross Linked Poly Ethylene	CPE
Fuel Oil	X	G	X	EX	G	X	EX	EX	EX
Furtural	G	C	X	X	C	X	X	EX	EX
Gallic Acid	G	G	EX	G	G	G	EX	EX	I
Gasoline	X	C	X	EX	C	X	EX	EX	I
Gelatin	G	EX	EX	EX	EX	EX	EX	EX	I
Glucose	G	EX	EX	EX	EX	EX	EX	EX	I
Glue	G	EX	G	EX	EX	G	EX	EX	EX
Glycerine	G	EX	EX	EX	EX	EX	EX	EX	EX
Glycols	G	EX	EX	EX	EX	EX	EX	EX	I
Green Sulfate liquor	G	G	G	G	G	G	EX	EX	G
Hexane	X	G	X	EX	G	X	EX	G	G
Helix Alcohol	X	G	G	EX	G	G	EX	EX	EX
Hydraulic Alcohol	X	G	X	EX	G	X	EX	EX	EX
Hydrobromic Acid	G	EX	EX	X	X	X	EX	EX	EX
Hydrobromic Acid (hot 37%)	X	X	X	X	X	X	G	EX	I
Hydrochloric Acid	G	EX	G	C	G	G	EX	EX	EX
Hydrocyanic Acid	G	EX	G	G	G	G	EX	C	I
Hydrofluoric Acid (conc. hot)	G	C	X	X	X	X	C	EX	I
Hydrofluoric Acid (conc. cold)	G	EX	X	X	X	X	EX	EX	EX
Hydrofluoric Acid (anhydrous)	G	EX	X	X	X	X	X	EX	I
Hydrofluosilic Acid	C	EX	G	EX	G	C	EX	I	EX
Hydrogen Gas	G	EX	G	EX	EX	EX	EX	EX	EX
Iodine	X	EX	X	X	X	X	X	EX	EX
Isobutyl Alcohol	G	EX	EX	G	EX	G	EX	EX	EX
Isoctane	X	G	X	EX	G	X	EX	EX	G
Isopropyl Acetate	C	X	X	X	X	X	X	EX	I
Isopropyl Alcohol	G	EX	EX	G	G	G	EX	EX	EX
Isopropyl Chloride	X	X	X	X	X	X	EX	EX	I
Isopropyl Ether	X	C	X	G	C	X	X	EX	I
Kerosene	X	C	X	EX	G	X	EX	EX	EX
Lactic Acid (cold)	G	EX	EX	EX	EX	EX	EX	EX	I
Lactic Acid (hot)	G	EX	X	X	X	X	EX	EX	I
Lard	C	X	X	EX	G	X	EX	EX	EX
Lavender Oil	X	X	X	G	X	X	EX	G	I
Lead Acetate	G	X	EX	G	EX	X	X	EX	EX
Lead Nitrate	G	EX	EX	EX	EX	I	EX	EX	EX
Lead Sulfamate	G	EX	G	G	EX	G	EX	EX	I
Linseed Oil	X	G	X	EX	G	X	EX	EX	EX
Liquefied Petroleum Gas	X	G	X	EX	G	X	EX	EX	G
Lubricating Oils	X	G	X	EX	G	X	EX	EX	EX
Lye	G	EX	G	G	G	G	G	I	EX
Magnesium Chl	G	EX	EX	EX	EX	EX	EX	EX	EX
Magnesium Hydroxide	G	EX	G	G	EX	G	EX	EX	EX
Magnesium Sulfate	G	EX	G	EX	EX	G	EX	EX	EX
Maleic Acid	G	X	C	X	C	C	EX	G	I
Maleic Anhydride	C	EX	C	X	C	C	X	I	I
Malic Acid	G	G	C	EX	C	C	EX	I	I
Mercury	G	EX	EX	EX	EX	EX	EX	EX	EX
Mesityl Oxide	C	X	X	X	X	X	X	EX	G
Methane	X	G	X	EX	G	X	G	EX	G
Methyl Acetate	G	X	C	X	G	C	X	EX	EX
Methyl Alcohol	G	EX	EX	EX	EX	EX	X	EX	EX
Methyl Bromide	C	X	X	G	X	X	EX	I	I
Methyl Butyl Ketone (propylacetone)	G	X	X	X	X	X	X	EX	I
Methyl Cellosolve	C	G	X	G	G	X	X	EX	EX
Methyl Chloride	X	X	X	X	X	X	EX	G	X
Methyl Ethyl Ketone (MEK)	C	X	X	X	C	X	X	EX	G
Methyl Isobutyl Ketone	C	X	X	X	X	X	X	EX	G
Methyl Oleate	C	X	X	X	X	X	G	EX	I
Milk	G	EX	EX	EX	EX	EX	EX	EX	EX

Industrial Hose - Technical Information

Chemical Resistance Chart for Rubber Hose

Chemical	EPDM	Hypalon	Natural	Nitrile	Chloroprene	SBR	FKM	Cross Linked Poly Ethylene	CPE
Mineral Oil	X	G	X	EX	G	X	EX	EX	EX
Monochlorobenzen	X	X	X	X	X	X	EX	G	I
Monoethanolamine	G	X	G	X	X	G	X	EX	I
Monomethylether	X	G	X	EX	C	X	EX	I	G
Monovinyl Acetylene	G	G	G	EX	G	G	EX	I	G
Naphtha	X	X	X	G	C	X	EX	EX	EX
Naphthalene	X	X	X	X	X	X	EX	EX	EX
Napthenic Acid	X	X	X	G	X	X	EX	EX	EX
Natural Gas	X	EX	G	EX	EX	G	EX	EX	EX
Nickel Acetate	G	X	EX	G	G	X	X	EX	I
Nickel Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Nickel Sulfate	G	EX	G	EX	EX	G	EX	EX	EX
Nitric Acid (conc)	X	G	X	X	X	X	C	G	X
Nitric Acid (dilute)	X	EX	X	X	G	X	EX	EX	EX
Nitrobenzene	G	X	X	X	X	X	G	EX	C
Nitroethane	C	G	G	X	C	G	X	EX	EX
Nitrogen	G	EX	EX	EX	EX	EX	EX	EX	EX
Octachlorofuluene	X	X	X	X	X	X	EX	I	X
Octyl Alcohol	X	G	G	G	EX	G	EX	EX	EX
Oleic Acid	X	C	X	C	C	X	G	EX	EX
Oleum	G	G	X	G	C	X	EX	I	I
Olive Oil	C	G	X	EX	G	X	EX	EX	G
O-Dichlorobenzene	X	X	X	X	X	-	EX	I	X
Oxalic Acid	G	G	G	G	G	G	EX	EX	EX
Oxygen Cold	G	EX	G	G	EX	G	EX	EX	EX
Ozone	G	EX	X	X	C	X	EX	EX	EX
Palmitric Acid	C	C	G	EX	G	G	EX	G	EX
Peanut Oil	X	G	X	EX	C	X	EX	EX	EX
Perchloric Acid	C	G	X	X	G	X	EX	EX	I
Perchloroethylene	X	X	X	G	X	X	EX	EX	X
Petroleum	X	G	X	EX	G	X	EX	EX	EX
Phenol (carbolic Acid)	G	G	X	X	C	I	EX	EX	EX
Phenylbenzene	X	X	X	X	X	X	EX	I	X
Phenyl Hydrazine	C	X	EX	X	X	G	EX	EX	X
Phorone	X	X	X	X	X	X	X	EX	I
Phosphoric Acid 20%	G	EX	G	G	G	G	EX	EX	EX
Phosphoric Acid 80%	G	G	C	X	G	C	EX	EX	EX
Phosphorus Trichloride	G	X	X	X	X	X	EX	I	X
Picric Acid	G	G	G	G	EX	G	EX	EX	G
Pine Oil	X	X	X	EX	X	X	EX	EX	EX
Polyvinyl Acetate Emulsion	G	G	G	I	G	X	EX	I	I
Potassium Acetate	G	EX	EX	G	G	X	X	EX	EX
Potassium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Potassium Cupro Cyanide	EX	EX	EX	EX	EX	EX	EX	EX	EX
Potassium Cyanide	G	EX	EX	EX	EX	EX	EX	EX	EX
Potassium Dichromate	G	EX	G	EX	EX	G	EX	G	EX
Potassium Hydroxide	G	EX	G	G	G	G	X	EX	EX
Potassium Nitrate	G	EX	EX	EX	EX	EX	EX	EX	EX
Potassium Sulfate	G	G	G	EX	EX	EX	EX	EX	EX
Propane	X	G	X	EX	G	X	EX	EX	G
Propyl Acetate	C	X	X	X	X	X	X	EX	G
Propyl Alcohol	G	EX	EX	EX	EX	EX	EX	EX	EX
Propyl Nitrate	G	G	X	X	X	X	X	EX	G
Propylene	X	X	X	X	X	X	EX	EX	EX
Pyranol (transformer oil)	X	C	X	EX	G	X	EX	EX	EX
Pyridine	G	G	X	X	X	X	X	EX	I
Sal Ammoniac	G	EX	EX	EX	EX	EX	EX	EX	EX
Salicyclic Acid	G	-	EX	G	EX	G	EX	EX	EX
Salt Water	G	EX	EX	EX	EX	EX	EX	EX	EX
Sewerage	G	EX	G	EX	G	G	EX	EX	EX
Silicone Greases	G	EX	EX	EX	EX	EX	EX	EX	EX
Silicone Oils	G	EX	EX	EX	EX	EX	EX	EX	EX

Industrial Hose - Technical Information

Chemical Resistance Chart for Rubber Hose

Chemical	EPDM	Hypalon	Natural	Nitrile	Chloroprene	SBR	FKM	Cross Linked Poly Ethylene	CPE
Silver Nitrate	G	EX	EX	G	EX	EX	EX	EX	EX
Skydrol 500	G	X	X	X	X	X	X	EX	G
Skydrol 7000	G	X	X	X	X	X	G	EX	G
Soap Solutions	G	EX	G	EX	G	EX	EX	EX	EX
Soda Ash	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Acetate	G	EX	EX	G	G	X	X	EX	EX
Sodium Bicarbonate	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Bisulphate	G	EX	EX	EX	EX	G	EX	EX	EX
Sodium Borate	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Cyanide	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Hydroxide	G	EX	EX	G	EX	EX	G	EX	EX
Sodium Hypochlorite	C	EX	X	G	EX	X	EX	G	EX
Sodium Metaphosphate	G	G	EX	EX	G	EX	EX	EX	EX
Sodium Nitrate	G	EX	G	G	G	EX	I	EX	EX
Sodium Perborate	G	G	G	G	G	G	EX	EX	I
Sodium Peroxide	G	G	G	G	G	G	EX	EX	G
Sodium Phosphate	G	EX	EX	EX	G	EX	EX	EX	EX
Sodium Silicate	G	EX	EX	EX	EX	EX	EX	EX	EX
Sodium Sulfate	G	EX	G	EX	EX	G	EX	EX	EX
Sodium Thiosulfate	G	EX	G	G	EX	G	EX	EX	EX
Soybean Oil	X	C	X	EX	G	X	EX	EX	I
Stannic Chloride	G	EX	EX	EX	G	EX	EX	EX	EX
Steam	G	X	X	X	C	X	X	X	X
Stearic Acid	G	G	G	G	G	G	I	EX	EX
Styrene	X	X	X	X	X	X	G	G	C
Sucrose Solution	G	G	EX	EX	G	EX	EX	EX	EX
Sulfur	G	EX	X	X	EX	X	EX	EX	I
Sulfur Chloride	X	G	X	C	C	X	EX	EX	I
Sulfur Dioxide	G	G	G	X	X	G	EX	EX	I
Sulfur Trioxide	C	X	G	X	X	G	EX	G	X
Sulfuric Acid 10%	G	EX	C	C	G	C	EX	EX	EX
Sulfuric Acid 10%-75%	G	C	X	X	X	X	EX	EX	X
Sulfurous Acid	G	EX	G	G	G	G	EX	EX	EX
Tannic Acid	G	EX	EX	EX	EX	EX	EX	EX	EX
Tar Bituminous	X	X	X	G	C	X	EX	I	I
Tartaric Acid	C	EX	C	EX	G	X	EX	EX	EX
Terpineol	X	X	X	G	X	X	EX	G	EX
Tertiary Butyl Alcohol	G	G	G	G	G	G	EX	EX	G
Tetrachloroethylene	X	X	X	X	X	X	EX	EX	C
Tetraethyl Lead	X	X	X	G	G	X	EX	I	I
Toluene	X	X	X	X	X	X	EX	EX	C
Transformer Oil	X	C	X	EX	G	X	EX	EX	EX
Transmission Fluid	X	G	X	EX	G	X	EX	EX	EX
Trichloroethane	X	X	X	X	X	X	EX	EX	C
Trichloroacetic Acid	C	X	C	G	X	G	C	EX	I
Trichloroethylene	X	X	X	X	X	X	EX	EX	X
Tricresyl Phosphate	X	X	X	X	X	C	EX	EX	EX
Triethanol Amine	G	G	G	G	EX	G	X	EX	EX
Trinitrotoluene	X	G	X	X	G	X	EX	EX	G
Turbine Oil	X	X	X	G	X	X	EX	EX	I
Turpentine	X	X	X	EX	X	X	EX	EX	I
Vegetable Oils	X	G	X	EX	C	X	EX	EX	EX
Vinegar	G	EX	G	G	G	G	EX	EX	EX
Vinyl Chloride	X	X	X	X	X	X	EX	EX	C
Water	G	EX	EX	EX	EX	EX	EX	EX	EX
Whiskey, Wines	G	EX	EX	EX	EX	EX	EX	EX	EX
White Oil	X	X	X	EX	G	X	EX	EX	EX
Wood Oil	X	C	X	EX	G	X	EX	EX	EX
Xylene	X	X	X	X	X	X	EX	EX	EX
Zinc Chloride	G	EX	EX	EX	EX	EX	EX	EX	EX
Zinc Sulfate	G	EX	G	EX	EX	G	EX	EX	EX

Chemical Resistance Specifications for PVC Hose

Plasticisers are incorporated in PVC compounds so as to confer flexibility and softness. Plasticised compounds can cover a very wide range of flexibility and softness and will also differ in other respects eg tensile strength and resilience, according to the type and/or amount of plasticiser/s used. For example, the type of plasticiser used will affect chemical resistance, but in this note, it has been assumed that a commonly used, fairly resistant plasticiser such as dioctyl phthalate (DOP) would be present.

The amount of plasticiser incorporated will also affect the chemical resistance, an increase in plasticiser content leads to a deterioration in chemical resistance because the plasticiser is less resistant to attack than the PVC. The chemical resistance to be expected from plasticised PVC when D.O.P is used as the plasticiser is summarised in the following paragraphs.

Acids and Alkalis

Dilute acids and alkalis have little effect at room temperature, but at elevated temperatures, some hydrolysis and extraction of plasticiser may occur. Concentrated acids and alkalis hydrolyse plasticisers slowly in the cold and more rapidly when heated. The main effect of organic liquids on plasticised PVC is to extract the plasticiser and this results in some hardening, particularly when the PVC is removed from contact with the liquid. The compound may become rigid and less tough. Most organic solvents will extract plasticiser and give rise to these effects, but with aromatic and chlorinated hydrocarbons, and aliphatic and cyclic ethers, this plasticiser extraction is accompanied by a softening of the PVC and the overall effect is difficult to predict. With certain solvents too, the plasticiser extracted is replaced by the solvent so that the compound remains flexible provided it remains in contact with that liquid. On allowing the solvent to evaporate the material will stiffen and will not soften on re-immersion.

The undesirable effects previously mentioned which can occur with PVC compounds containing a monomeric ester type plasticiser, such as DOP, can be prevented or reduced by the use instead of a polymeric type of plasticiser which affords a higher resistance to extraction. Such plasticisers include polypropylene adipate (PPA) and polypropylene sebacate (PPS), the former being of value in contact with oils and fuels and the latter showing a high degree of resistance to soap and detergent solutions.

The symbols used to denote performance are as follows:

1. Satisfactory
2. Recommended for the service and conditions for Oil hoses
3. The material may be considered for use when alternative materials are unsatisfactory, and when limited life is acceptable
4. When PVC is to be used with such chemicals, full-scale trials under realistic conditions are particularly necessary
5. Unsatisfactory

For materials that have been rated as having Limited Life or Unsatisfactory, the material should only be considered for use when alternative materials are unsatisfactory and where limited life is accepted. When PVC is to be used with such chemicals, full-scale trials under realistic conditions are particularly necessary.

It may be safely assumed that chemical resistance decreases with both increasing temperature and with increasing concentration of reagent and that the reverse is also true. No valid assumptions can be made, however, if the temperature and concentration move in compensating directions. The following Chemical Resistance Chart is not intended to be complete. Chemicals missing from this chart do not indicate unsuitability.

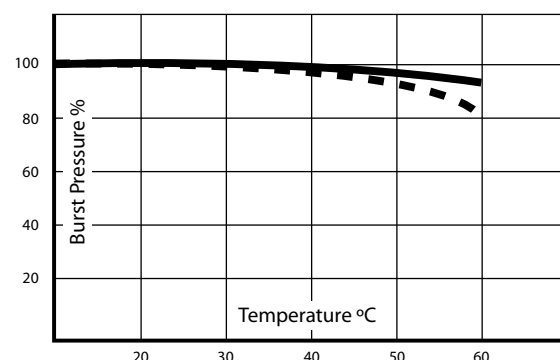
Chemical Resistance Chart - refer to pages 75-76

Temperature Chart for Layflat Hoses

PVC is a thermoplastic material and therefore, burst pressure varies with temperature.

The graph shows variation in burst temperature with temperature for the different types of layflat hoses.

- High-pressure Brick Red, Green Dewatering
- Low Pressure Blue



Chemical Resistance Chart for PVC Hose

The symbols used to denote performance are as follows:

1. Satisfactory
2. Recommended for the service and conditions for oil hoses
3. The material may be considered for use when alternative materials are unsatisfactory, and when limited life is acceptable
4. When PVC is to be used with such chemicals, full-scale trials under realistic conditions are particularly necessary
5. Unsatisfactory

Chemical	Concentration	Conditions	
		20°C	60°C
Acetic Acid	10%	1	3
	60%	1	3
	Glacial	5	5
Acetic anhydride		5	5
Acetone	Traces	5	5
	100%	5	5
Adipic acid		4	4
Alcohol allyl		5	5
Alcohol ethyl	40% w/w water	1	4
	100%	1	4
Alcohol isopropyl		1	4
Alcohol methyl	6% aq. solution	1	1
	100%	3	4
Allyl chloride		5	5
Aluminium salts		1	1
Ammonia	s.g. = 0.88 aq. solution	1	5
	Dry gas	4	4
	Liquid	4	4
Ammonium hydroxide		1	4
Ammonium salts		1	1
Ammonium sulfide		1	5
Aniline		5	5
Animal oil		1	4
Barium salts		1	1
Beer		1	4
Benzaldehyde	Traces	5	5
	100%	5	5
Benzene		5	5
Borax		1	4
Brine		1	1
Bromine	Gas, traces	5	5
	100% dry gas	5	5
	Liquid	5	5
Butane		4	4
Butanol		1	4
Butyl acetate		5	5
Butyric acid	20% aq. solution	1	4
	Concentrate	5	5
Calcium hydroxide		1	4
Calcium hypochlorite		1	4
Calcium salts		1	1
Carbon dioxide		1	1
Carbon disulphide		5	5
Carbon monoxide		1	1
Carbon tetrachloride		5	5
Casein		1	1
Chlorine water	Saturated solution	3	5
Chlorobenzene		5	5
Chlorine	10% (dry gas)	4	4
	100% (dry gas)	4	4
	10% (most gas)	4	4
Chloroform		5	5
Chlorosulfonic acid		5	5
Chromic acid	Plating solution	5	5
	Conc	4	4
Citric acid		1	4

Chemical	Concentration	Conditions	
		20°C	60°C
Copper salts		1	1
Cucloexanol		5	5
Cyclohexanone		5	5
Detergents, synthetic	All concentrates	1	4
Developers, photographic		1	1
Dextrose		1	1
Dichlorethylene		5	5
Dichlorobenzene		5	5
Diesel oil		2	2
Diethyl ether		5	5
Dimethylamine		4	4
Emulsifiers	All concentrates	1	1
Emulsions, photographic		1	1
Ether		5	5
Ethyl acetate		5	5
Ethylene dichloride		5	5
Ethylene glycol		1	4
Fatty acids		4	4
Ferric salts		1	1
Fixing solution, photographic		1	1
Fluorine		5	5
Formaldehyde	40% w/w in water	1	4
	40%	4	4
	50%	3	5
Formic acid	100%	5	5
Glucose		1	1
Glycerine		1	4
Grape sugar		1	1
	10% aq. solution	1	1
	22%	1	1
Hydrochloric acid	Conc.	1	3
	4% aq. solution	1	
	40% aq. solution	1	4
Hydrofluoric acid	60% aq. solution	5	5
	Concentrate	5	5
Hydrogen		1	1
Hydrogen bromide anhydrous		1	4
Hydrogen chloride anhydrous		1	4
Hydrogen fluoride		1	4
Hydrogen peroxide	3% (10 vol)	1	4
	12% (40 vol)	1	4
	30% (100 vol)	1	4
	90% and above	1	4
Hydrogen sulphite		1	4
Iodine	Solution in potassium iodide	4	4
	Iodide	5	5
Lacquer solvents		3	5

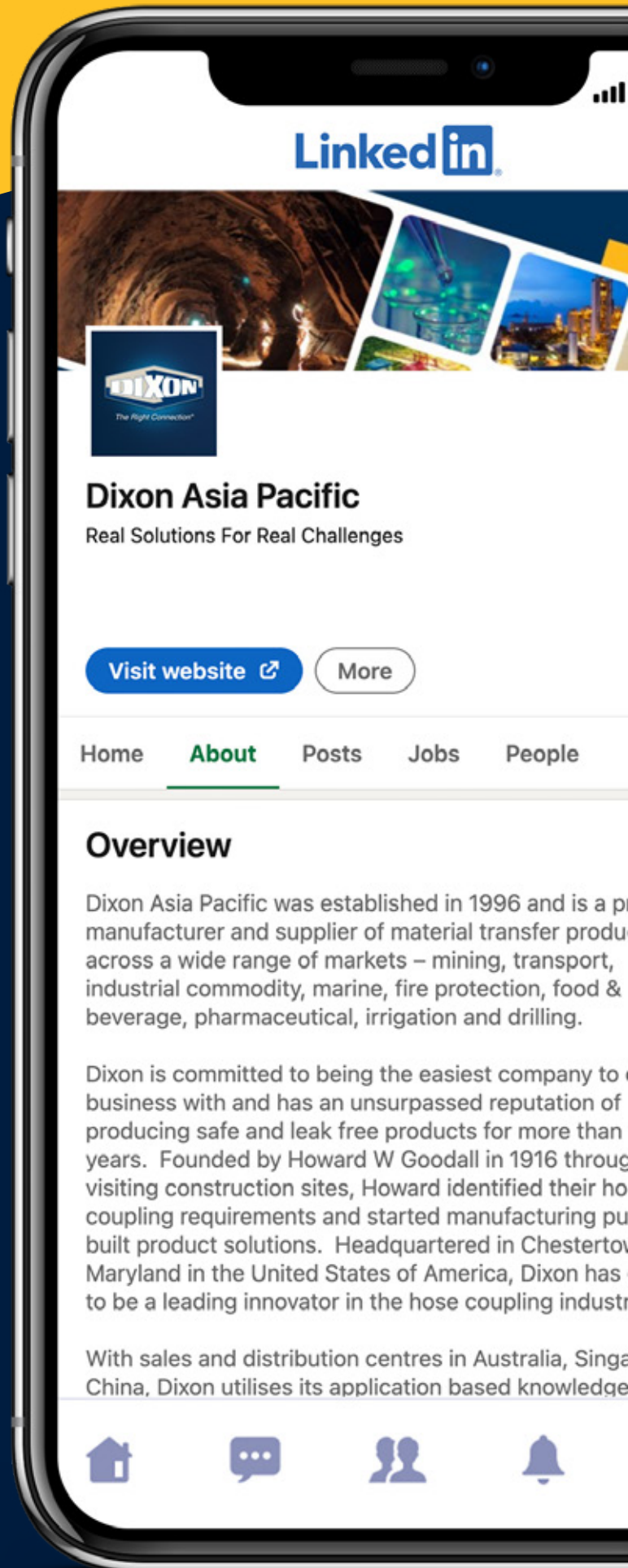
Chemical Resistance Chart for PVC Hose

Chemical	Concentration	Conditions	
		20°C	60°C
Lactic acid	10%	1	4
	100%	5	5
Lauric acid		1	4
Lauryl alcohol		1	1
Leads salts		1	1
Magnesium salts		1	1
Manganese sulphate	Concentrate solution	1	1
Mercuric chloride		5	5
Methyl chloride		5	5
Methyl ethyl ketone		5	5
Methylene chloride		5	5
Milk		1	4
Mineral oils		2	2
Mixed acids (sulphuric/nitric)	Various proportions	4	5
Molasses		1	1
Naphtha		5	5
Naphthalene		5	5
Nickel salts		1	1
Nitric acid	10%	1	4
	25%	1	4
	50%	1	3
	70%	3	5
	95%	5	5
Nitrobenzene		5	5
Nitrogen fertilizers		1	4
Nitrous fumes	Moist	4	5
Oleic acid		1	4
Oxalic acid		1	4
Oxygen		1	1
Ozone		1	4
Palmitic acid		1	4
Paraffin		3	4
Petrol		2	2
Petrol benzene mixture	80:20	5	5
Phenol		4	5
Phosphoric acid	20% aq. solution	1	1
	30% aq. solution	1	1
Phosphoric developers		1	1
Photographic emulsions		1	1
Photo fixing solution		1	1
Picric acid	1% w/w in water	1	1
	10% w/w in alcohol	1	4
Potassium hydroxide	1% aq. solution	1	1
	10% aq solution	1	1
	conc. aq. solution	1	5
Potassium salts		1	1
Propane		2	2
Propylene dichloride		5	5
Salicylic acid		4	4
Sea water		1	1

Chemical	Concentration	Conditions	
		20°C	60°C
Soap solution		1	4
Sodium hydroxide	1% aq. solution	1	4
	10% aq. solution	1	3
	40% aq. solution	1	5
	Conc. aq. solution	1	5
Sodium hypochlorite	15% act. cl	1	3
Sodium salts		1	1
Sulphur dioxide	Dry	1	1
	Moist	4	5
	Liquid	4	5
Sulphuric acid	10%	1	1
	45%	1	1
	50%	1	3
	60%	3	3
	98%	5	5
	Fuming	5	5
Sulphurous acid	30%	1	4
Tallow		1	4
Tannic acid		1	4
Tanning extracts		1	4
Tartaric acids		1	4
Tetraethyl lead		1	4
Tetrahydrofuran		5	5
Tetralin		5	5
Toluene		5	5
Transformer oil		2	5
Trichloroethane		5	5
Triethanolamine		1	1
Trichloroethylene		5	5
Triethylamine		4	4
Turpentine		4	4
Urea		1	4
Vegetable oil		1	4
Vinegar		1	4
Vinyl acetate		5	5
Water		1	1
Wetting agents		1	1
Wines and spirits	All concentrates	1	4
Xylene		5	5
Zinc salts		1	1

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Dixon (Asia Pacific) Pty Ltd

170 Francis Road
Wingfield SA 5013

1300 134 651

dixonvalve.com.au

South Australia, Adelaide

(Head Office)
170 Francis Road
Wingfield SA 5013

Queensland, Brisbane

6 Union Circuit
Yatala QLD 4207

Queensland, Mackay

38 John Vella Drive
Paget QLD 4740

Victoria, Melbourne

13 Commercial Drive
Dandenong VIC 3175

Western Australia, Perth

19 Baile Road
Canning Vale WA 6155

New South Wales, Sydney

15 Watsford Road
Campbelltown NSW 2560