

WESTSTATE HOSE SUPPLIES

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INDUSTRIAL HOSES AND FITTINGS



FLEXIBLE



DUCTING



& COMPOSITE



HOSE

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Ducting



J11 - IPL EOLO Polyurethane Anti-Static

Application	Transparent ether based TPU wall, with ivory anti-shock rigid PVC spiral and anti-static wire. Abrasion resistant and flexible. Suction of liquids and dry food such as grains, animal feed, sugar, flour etc. Also suitable for fatty foods.
Inner Tube	Thermoplastic polyurethane
Reinforcement	Anti-shock rigid PVC
Outer Cover	Thermoplastic polyurethane
Temperature Range	-40c to +80c

Nominal Bore (mm)	Bend Radius (mm)	Vacuum Rating (m H2O)	Weight (kg/mtr)	Coil Lengths (mtr)	Stock Status
31.8	35.0	2	0.18	20	S
38.1	50.0	2	0.22	20	S
45.0	65.0	2	0.27	20	S
50.8	70.0	2	0.32	20	S
55.0	75.0	2	0.40	20	I
63.5	80.0	1.6	0.51	20	S
76.2	100.0	1.6	0.60	20	S
90.0	125.0	1.4	0.75	20	S
102.0	140.0	1.3	0.83	20	S
127.0	170.0	1	1.15	20	S
140.0	180.0	0.9	1.43	20	S
151.5	200.0	0.8	1.50	20	S
180.0	250.0	0.4	2.14	20	S
200.0	260.0	0.4	2.30	20	S
250.0	300.0	0.4	3.40	20	S
300.0	350.0	0.3	4.10	10	S

S = Stocked Product

I = Indent Product



Ducting



J12 - IPL EOLO Grey

Application	Grey plasticized PVC with anti-shock rigid PVC spiral. Smooth inner and slightly corrugated outer. Light and flexible for suction of air, fumes, gas, powders, sawdust. Excellent dust extraction and ventilation systems.
Inner Tube	Plasticized PVC
Reinforcement	Anti-shock rigid PVC
Outer Cover	Plasticized PVC
Temperature Range	-10c to +50c

Nominal Bore (mm)	Bend Radius (mm)	Vacuum Rating (m H2O)	Weight (kg/mtr)	Coil Lengths (mtr)	Stock Status
20.0	30.0	4	0.13	20	LS
25.0	38.0	4	0.18	20	LS
31.8	48.0	3.5	0.24	20	LS
38.1	57.0	3	0.31	20	LS
50.0	75.0	3	0.49	20	LS
63.5	95.0	3	0.64	20	LS
76.2	114.0	2.5	0.79	20	LS
102.0	153.0	2.5	1.28	20,30	LS
127.0	186.0	2.5	1.63	20	LS
151.5	217.0	2	2.00	20	LS
200.0	275.0	1.5	2.73	20	LS
250.0	328.0	1	3.60	10	LS
300.0	375.0	1	4.46	10	LS

S = Stocked Product

I = Indent Product

LS= Limited Stock



Ducting



J13 - IPL EOLO Flame Resistant

Application	Grey hose made in flame resistant PVC coated with polyester fabric, reinforced with a steel wire. The steel helix is welded between 2 fabric layers. For use in industrial and naval conditioning plants, suction of fumes, vapours, powders.
Inner Tube	flame resistant PVC coated with polyester fabric.
Reinforcement	Steel wire
Outer Cover	flame resistant PVC coated with polyester fabric
Temperature Range	-20c to +100c peaks at + 120c

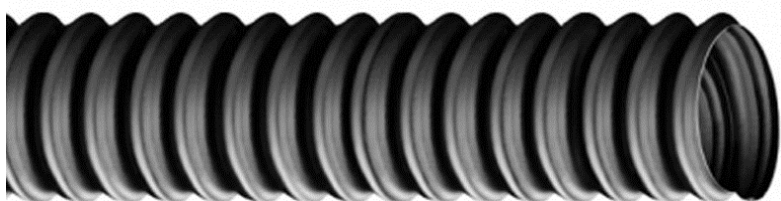
Nominal Bore (mm)	Bend Radius (mm)	Weight (kg/mtr)	Coil Lengths (mtr)	Stock Status
40.0	20.0	0.11	10	S
51.0	26.0	0.14	10	S
63.0	32.0	0.17	10	S
76.0	38.0	0.20	10	S
90.0	45.0	0.24	10	S
102.0	51.0	0.28	10	S
110.0	55.0	0.30	10	S
115.0	58.0	0.32	10	S
127.0	64.0	0.35	10	S
152.0	76.0	0.41	10	S
180.0	90.0	0.48	10	S
203.0	102.0	0.53	10	S
228.0	114.0	0.60	10	S
254.0	127.0	0.85	10	S
305.0	153.0	1.01	10	S
356.0	178.0	1.18	10	S
406.0	203.0	1.34	10	S

S = Stocked Product

I = Indent Product



Ducting



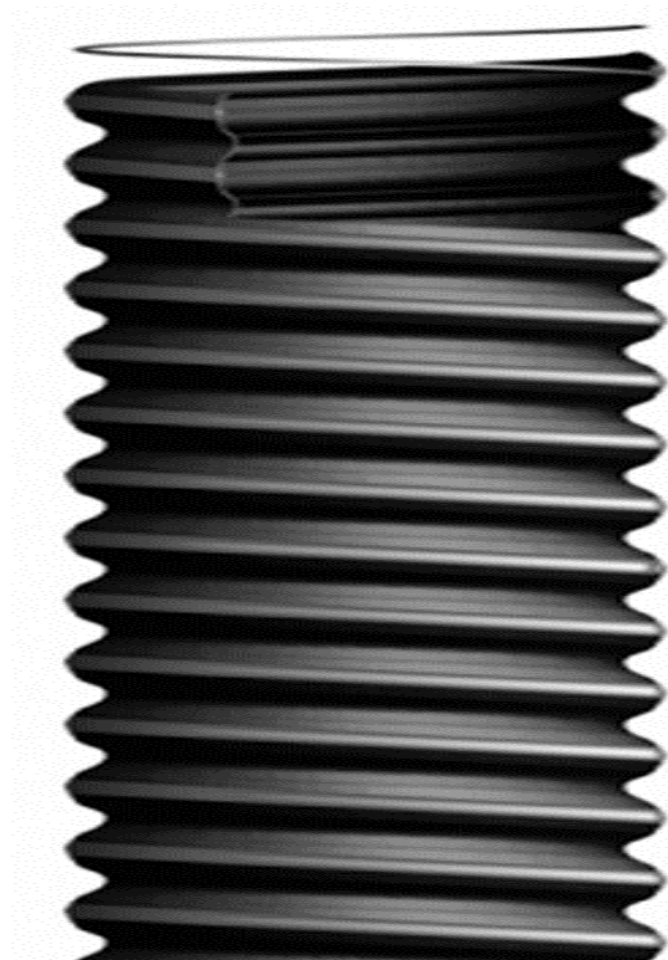
J16 - IPL VULCANO TPR A

Application	Black thermoplastic rubber ducting with an embedded steel spiral reinforcement. Light and flexible, it is extremely resistant to high temperatures, chemicals and abrasion.
Inner Tube	Thermoplastic rubber
Reinforcement	Steel spiral wire
Outer Cover	Thermoplastic rubber
Temperature Range	-40c to +125c

Nominal Bore (mm)	Bend Radius (mm)	Vacuum Rating (m H2O)	Weight (kg/mtr)	Coil Lengths (mtr)	Stock Status
38.0	30.0	2	0.19	20	S
45.0	36.0	2	0.23	20	S
51.0	40.0	2	0.25	20	S
60.0	50.0	1.7	0.29	20	S
63.0	55.0	1.7	0.31	20	S
76.0	65.0	1.7	0.46	20	S
90.0	75.0	1.6	0.58	20	S
102.0	85.0	1.3	0.61	20	S
115.0	90.0	1.2	0.68	20	S
127.0	105.0	1	0.83	20	S
152.0	125.0	0.8	1.01	20	S
180.0	150.0	0.5	1.33	20	S
203.0	165.0	0.4	1.48	20	S
228.0	185.0	0.4	1.68	10	S
254.0	210.0	0.4	1.93	10	S
279.0	230.0	0.4	2.13	10	S
305.0	250.0	0.3	2.38	10	S
356.0	300.0	0.3	2.77	10	S
406.0	350.0	0.3	3.21	10	S

S = Stocked Product

I = Indent Product



Ducting



J17 - IPL VULCANO PU H

Application	Translucent ether based Polyurethane reinforced with a high adhesion PU coated zinc steel wire spiral. Excellent resistance to microbes and Hydrolysis. Odourless and doesn't change the organoleptic properties of the transferred materials.
Inner Tube	Translucent ether based Polyurethane
Reinforcement	PU coated zinc-plated steel spiral.
Outer Cover	Translucent ether based Polyurethane
Temperature Range	-40c to +90c

Nominal Bore (mm)	Bend Radius (mm)	Vacuum Rating (m H2O)	Weight (kg/mtr)	Coil Lengths (mtr)	Stock Status
38.0	40.0	5	0.27	20	I
51.0	60.0	4	0.40	20	S
63.0	70.0	3	0.49	20	S
76.0	90.0	3	0.67	20	S
102.0	120.0	2	0.89	20	S
127.0	150.0	1.5	1.28	20	S
152.0	170.0	1	1.52	20	S
180.0	210.0	0.5	1.60	20	S
203.0	230.0	0.5	1.79	20	S

S = Stocked Product

I = Indent Product



Ducting



J18 - IPL VULCANO PU R

Application	Translucent ester based Polyurethane reinforced with a high adhesion TPU coated copper coloured steel spiral. Used for suction of pellets, abrasive granules, powders and sawdust, in ceramic suction plants, wood & plastic industries
Inner Tube	Translucent ester based Polyurethane
Reinforcement	High adhesion PU coated copper coloured steel spiral.
Outer Cover	Translucent ester based Polyurethane
Temperature Range	-40c to +90c

Nominal Bore (mm)	Bend Radius (mm)	Vacuum Rating (m H2O)	Weight (kg/mtr)	Coil Lengths (mtr)	Stock Status
51.0	40.0	2	0.22	20	S
63.0	55.0	1.7	0.27	20	S
76.0	65.0	1.7	0.40	20	S
102.0	85.0	1.3	0.53	20	S
127.0	105.0	1	0.75	20	S
152.0	125.0	0.8	0.89	20	S
180.0	150.0	0.5	1.25	20	S
203.0	165.0	0.4	1.40	20	S
228.0	185.0	0.4	1.57	10	S
254.0	210.0	0.4	1.90	10	S
305.0	250.0	0.3	2.28	10	S

S = Stocked Product

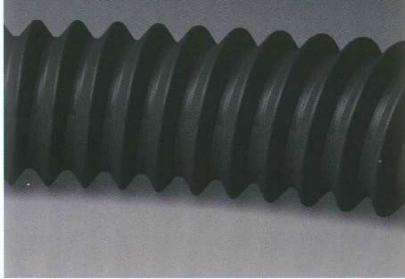
I = Indent Product



T.P.R.D (THERMO PLASTIC RUBBER DUCTING)

TPRD is constructed from a Thermo Plastic Rubber compound with a wire helix reinforcement. An excellent general purpose ducting with good abrasive qualities and UV resistance.

Colour / Black
Temperature Range / -50°C to 100°C
Material / UV Resistant Rubber



NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	NOM WALL	Coil Length (m)
39	1½	80	0.6	10
51	2	102	0.6	10
63	2½	126	0.6	10
76	3	152	0.6	10
89	3½	178	0.6	10
102	4	204	0.6	10
114	4½	228	0.6	10
127	5	254	0.6	10
152	6	304	0.6	10
178	7	356	0.6	10
203	8	406	0.6	10
229	9	458	0.6	10
254	10	508	0.6	10
305	12	610	0.6	10
356	14	712	0.6	5
381	15	762	0.6	5
406	16	812	0.6	5
457	18	914	0.6	5
508	20	1016	0.6	5
559	22	1118	0.6	5
600		1220	0.6	5

Sizes from 356mm to 600mm manufactured to order.

TUFLEX

Tuflex is constructed of polyester coated in fire retardant anti-static pvc. It is recommended where service conditions require lightweight ducting and anti static environments.

Colour / Black
Temperature Range / -30°C to 70°C
Material / Fras PVC



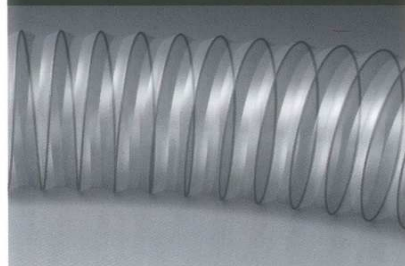
NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	NOM WALL	Coil Length (m)
51	2	102	0.5	10
57	2¼	114	0.5	10
63	2½	126	0.5	10
76	3	152	0.5	10
83	3¼	166	0.5	10
89	3½	178	0.5	10
102	4	204	0.5	10
114	4½	228	0.5	10
127	5	254	0.5	10
152	6	304	0.5	10
178	7	356	0.5	10
203	8	406	0.5	10
229	9	458	0.5	10
254	10	508	0.5	10
280	11	560	0.5	10
305	12	610	0.5	10
356	14	712	0.5	5
381	15	762	0.5	5
406	16	812	0.5	5
457	18	914	0.5	5
508	20	1016	0.5	5
559	22	1118	0.5	5
600		1220	0.5	5

Sizes from 356mm to 600mm manufactured to order.

PU ANTI-STATIC DRY FOOD GRADE

Constructed from an antistatic compound to reduce risk from static shock and spark hazards and is electrically rated as 10⁹ Ohms/m². Dry food grade rated and has excellent abrasion resistance. Translucent to enable sight of conveyance.

Colour / Translucent
Temperature Range / -30°C to 100°C
Material / Polyurethane Electrical



NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	NOM WALL	Coil Length (m)
39	1½	80	0.6	10
51	2	102	0.6	10
63	2½	126	0.6	10
76	3	152	0.6	10
89	3½	178	0.6	10
102	4	204	0.6	10
114	4½	228	0.6	10
127	5	254	0.6	10
152	6	304	0.6	10
178	7	356	0.6	10
203	8	406	0.6	10
229	9	458	0.6	10
254	10	508	0.6	10
305	12	610	0.6	10
356	14	712	0.6	10
381	15	762	0.6	10
406	16	812	0.6	10
457	18	914	0.6	10
508	20	1016	0.6	10
559	22	1118	0.6	10
600		1220	0.6	10

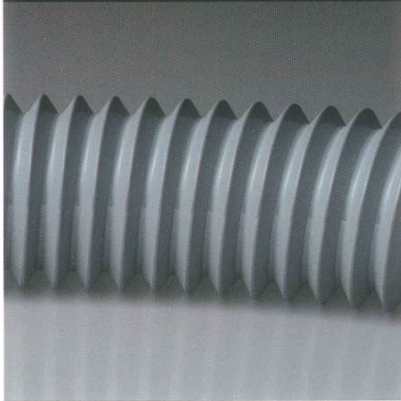
Sizes from 356mm to 600mm manufactured to order.

PLASTIFLEX / GREY / CLEAR / BLUE



Plastiflex is light, flexible and easy to install. It is our most versatile duct product.

Colour / Grey / Blue / Clear
Temperature Range / 0°C - 50°C
Material / PVC



NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	NOM WALL	Coil Length (m)
39	1 ^{1/2}	80	0.5	10
51	2	102	0.5	10
57	2 ^{1/4}	114	0.5	10
63	2 ^{1/2}	126	0.5	10
76	3	152	0.5	10
83	3 ^{1/4}	166	0.5	10
89	3 ^{1/2}	178	0.5	10
102	4	204	0.5	10
114	4 ^{1/2}	228	0.5	10
127	5	254	0.5	10
152	6	304	0.5	10
178	7	356	0.5	10
203	8	406	0.5	10
229	9	458	0.5	10
254	10	508	0.5	10
280	11	560	0.5	10
305	12	610	0.5	10
356	14	712	0.5	5
381	15	762	0.5	5
406	16	812	0.5	5
457	18	914	0.5	5
508	20	1016	0.5	5
559	22	1118	0.5	5
600	24	1220	0.5	5

MULTIFLEX



Multiflex is a lightweight, convoluted, highly flexible ducting able to be positioned in very limited spaces with little reduction in the cross sectional area.

Colour / Black.
Temperature Range / 0°C - 50°C
Material / PVC



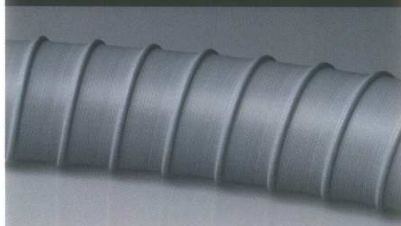
NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	NOM WALL	Coil Length (m)
25	1	25	0.4	10
32	1 ^{1/4}	32	0.4	10
39	1 ^{1/2}	39	0.4	10
44	1 ^{3/4}	44	0.4	10
51	2	51	0.4	10
57	2 ^{1/4}	57	0.4	10
63	2 ^{1/2}	63	0.4	10
76	3	76	0.4	10
83	3 ^{1/4}	83	0.4	10
89	3 ^{1/2}	89	0.4	10
102	4	102	0.4	10

SILVERFLEX



PVC coated polyester fabric with helical steel wire reinforcement. More flexible than Tuflex.

Colour / Silver
Temperature Range / 0°C to 70°C
Material / PVC Coated Polyester



NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	WALL	Coil Length (m)
51	2	102	0.5+/-0.1	10
76	3	152	0.5+/-0.1	10
102	4	204	0.5+/-0.1	10
127	5	254	0.5+/-0.1	10
152	6	304	0.5+/-0.1	10
178	7	356	0.5+/-0.1	10
203	8	406	0.5+/-0.1	10
229	9	458	0.5+/-0.1	10
254	10	508	0.5+/-0.1	10
305	12	610	0.5+/-0.1	5
356	14	712	0.5+/-0.1	5
381	15	762	0.5+/-0.1	5
406	16	812	0.5+/-0.1	5
457	18	914	0.5+/-0.1	5
508	20	1016	0.5+/-0.1	5
559	22	1118	0.5+/-0.1	5
600	24	1220	0.5+/-0.1	5

FLEXFLOW

Flexflow is constructed from neoprene rubber coated polyester fabric and reinforced with a spring wire helix. Recommended for heavy duty and higher temp applications.

Colour / Black
Temperature Range / -30°C to 120°C
Material / Rubber coated polyester

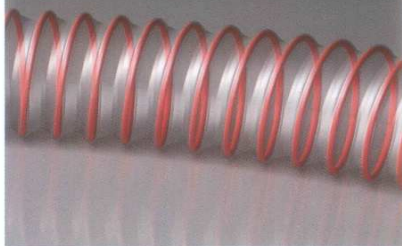


NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	NOM WALL	Coil Length (m)
39	1½	80	1.5	10
51	2	102	1.5	10
57	2¼	114	1.5	10
63	2½	126	1.5	10
76	3	152	1.5	10
83	3¼	166	1.5	10
89	3½	178	1.5	10
102	4	204	1.5	10
114	4½	228	1.5	10
127	5	254	1.5	10
152	6	304	1.5	10
178	7	356	1.5	5
203	8	406	1.5	5
229	9	458	1.5	5
254	10	508	1.5	5
280	11	560	1.5	5
305	12	610	1.5	5
356	14	712	1.5	5
381	15	762	1.5	5
406	16	812	1.5	5
457	18	914	1.5	5

TUFF-RED DUCTING

Tuff-Red is manufactured with a heavy duty wire for light suction applications and an anti-static, dry food grade polyurethane (PU). It is highly abrasive resistant with a smooth internal surface suitable for the conveyance of a wide range of materials.

Colour / Translucent with Red wire
Temperature Range / -30°C to 100°C
Material / Polyurethane



NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	NOM WALL	Coil Length (m)
51	2	102	1.0	10
57	2¼	126	1.0	10
63	2½	152	1.0	10
76	3	178	1.0	10
89	3½	204	1.0	10
102	4	228	1.0	10
114	4½	254	1.0	10
127	5	304	1.0	10
152	6	356	1.0	10
178	7	406	1.0	10
203	8	458	1.0	10
229	9	508	1.0	5
254	10	560	1.0	5
305	12	610	1.0	5
356	14	712	1.0	5
406	16	812	1.0	5
457	18	914	1.0	5
508	20	1016	1.0	5
556	22	1118	1.0	5
600		1220	1.0	5

HIGH TEMP. W

High Temp W is manufactured utilising PTFE Coated materials creating a non stick high temp duct suitable for a wide range of applications.

Colour / Beige
Temperature Range / -150°C to 250°C
Material / PTFE Coated Glass Cloth

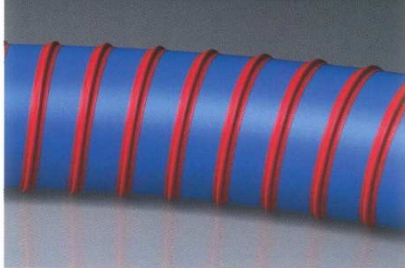


NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	NOM WALL	Coil Length (m)
51	2	102	0.3	10
76	3	152	0.3	10
102	4	204	0.3	10
127	5	254	0.3	10
152	6	304	0.3	10
178	7	356	0.3	10
203	8	406	0.3	10
229	9	458	0.3	10
254	10	508	0.3	10
305	12	610	0.3	5
356	14	712	0.3	5
381	15	762	0.3	5
406	16	812	0.3	5
457	18	914	0.3	5
508	20	1016	0.3	5
559	22	1118	0.3	5
600		1220	0.3	5

INDUSTROFLEX

Industroflex is a highly flexible, retractable ducting eminently suitable for the rapid movement of high volume air blowing.

Colour / Blue with Red Spiral
Temperature Range / -30°C to 120°C
Material / Blue Neoprene coated fabric with a red wear strip



NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	PITCH	Coil Length (m)
127	5	254	1½	5
152	6	305	1½	5
178	7	356	1½	5
203	8	406	2	5
229	9	458	2	5
254	10	508	2	5
280	11	560	3	5
305	12	610	3	5
356	14	712	3	5
381	15	762	3	5
406	16	812	3	5
457	18	914	3	5

ABRASFLEX

Abrasaflex is constructed from neoprene rubber coated polyester fabric and has a natural rubber lining. It is recommended for heavy duty and higher temp applications.

Colour / Black
Temperature Range / -30°C to 120°C
Material / Rubber coated polyester



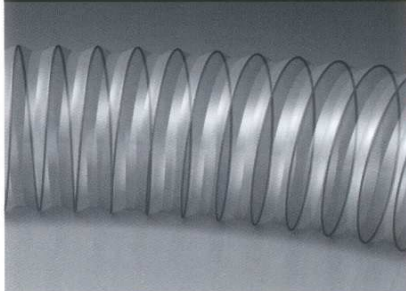
NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	NOM WALL	Coil Length (m)
51	2	306	0.3	10
63	2½	378	0.3	10
76	3	456	0.3	10
89	3½	534	0.3	10
102	4	612	0.3	10
114	4½	684	0.3	10
127	5	762	0.3	10
152	6	912	0.3	10
178	7	1068	0.3	5
203	8	1218	0.3	5
229	9	1374	0.3	5
254	10	1524	0.3	5
280	11	1680	0.3	5
305	12	1830	0.3	5
356	14	2136	0.3	5
406	16	2436	0.3	5
457	18	2742	0.3	5

All sizes made to order.

LIGHT WEIGHT PU

PULW is constructed from a dry food grade polyurethane with wire helix reinforcement. It is ideal for conveying dry food and particles.

Colour / Translucent
Temperature Range / -30°C to 100°C
Material / Polyurethane



NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	NOM WALL	Coil Length (m)
39	1½	80	0.5	10
51	2	102	0.5	10
63	2½	126	0.5	10
76	3	152	0.5	10
89	3½	178	0.5	10
102	4	204	0.5	10
114	4½	228	0.5	10
127	5	254	0.5	10
152	6	304	0.5	10
178	7	356	0.5	10
203	8	406	0.5	10
229	9	458	0.5	10
254	10	508	0.5	10
305	12	610	0.5	10

Sizes from 356ml to 600mm manufactured to order.

BLOWER DUCT

Blower duct is lightweight, extremely flexible ducting. Constructed from PE coated fabric and has hanging eyelets. Ideal for positive pressure portable ventilation units to service man holes, tanks, marquees etc.

Colour / Blue / White / Yellow
Temperature Range / 0°C to 85°C
Material / PE coated fabric



NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	PITCH	Coil Length (m)
152	6	152	1 1/2	5, 10
178	7	178	1 1/2	5, 10
203	8	203	2	5, 10
229	9	229	2	5, 10
254	10	254	2	5, 10
280	11	280	3	5, 10
305	12	305	3	5, 10
356	14	356	3	5, 10
381	15	381	3	5, 10
406	16	406	4	5, 10
457	18	457	4	5, 10
508	20	508	4	5, 10

INSULATED BLOWER DUCT

Insulated blower duct is also available in White for heated or refrigerated air. For light suction duties this product is also available with a narrower pitch.

Colour / White ONLY
Temperature Range / 0°C to 85°C
Material / PE coated fabric



NOM I.D (mm)	NOM I.D (inches)	Min.Bend Radius (mm)	PITCH	Coil Length (m)
152	6	152	1 1/2	5, 10
178	7	178	1 1/2	5, 10
203	8	203	2	5, 10
229	9	229	2	5, 10
254	10	254	2	5, 10
280	11	280	3	5, 10
305	12	305	3	5, 10
356	14	356	3	5, 10
381	15	381	3	5, 10
406	16	406	4	5, 10
457	18	457	4	5, 10
508	20	508	4	5, 10

DOG AGILITY TRAINING EXERCISE TUNNEL






















Agility Pipe Tunnels are specifically made for the sport of Dog Agility. They are tough and durable. The 5m tunnel length extends to approximately 5 metres with an inside diameter of 600mm.

We have sold these to dog clubs and Trial organizations all over Australia and New Zealand. High quality material is UV resistant to fading, weather-proof, and reinforced with stitched seams over the coils.

Colour / Yellow
Length / 5m
Material / PE coated fabric

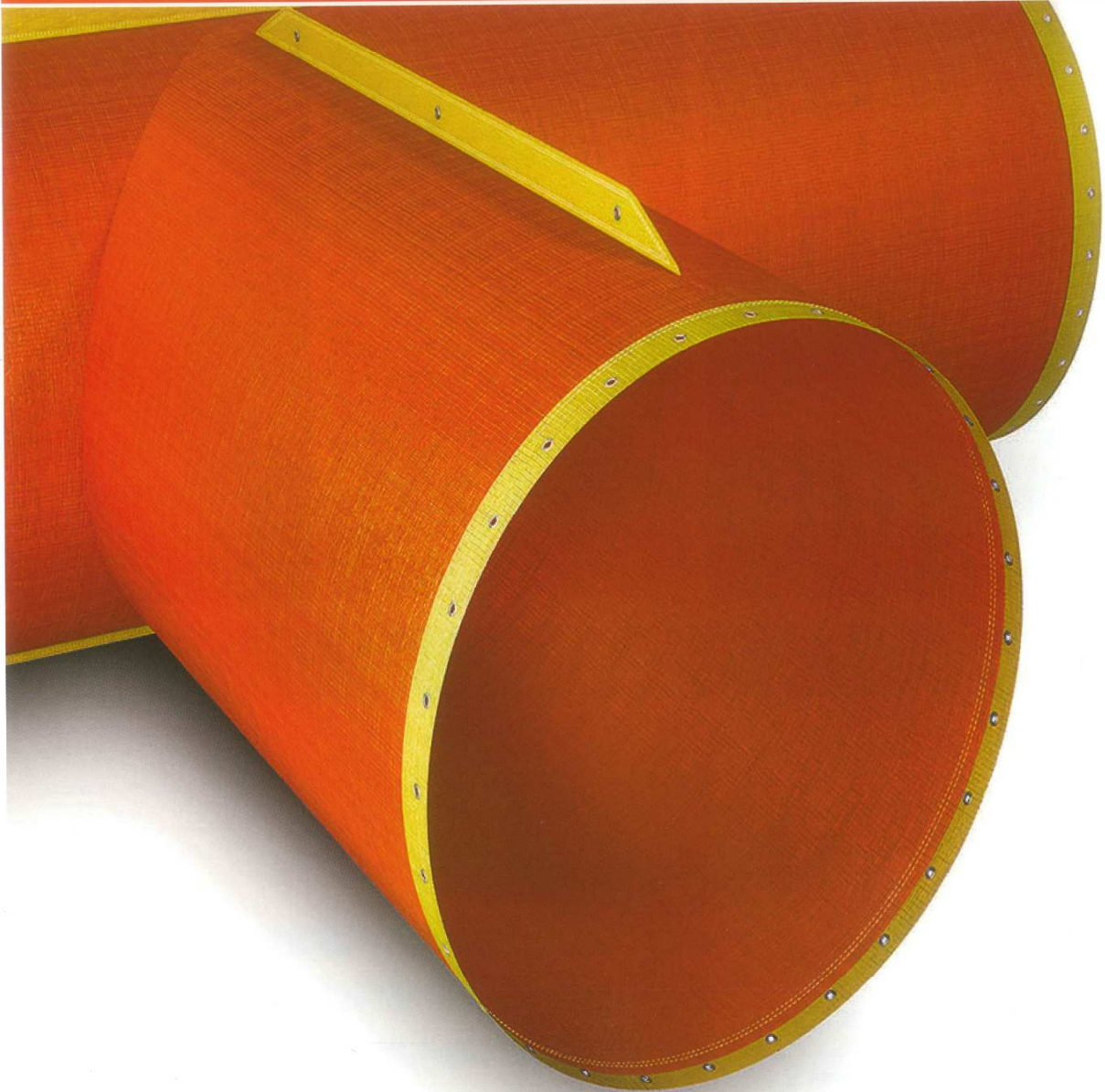


APPLICATION CHART

	MULTI FLEX	PLASTI FLEX	TUFLEX	T.P.R.D	PU ANTI STATIC	LIGHT WEIGHT PU	TUFF RED	HIGH TEMP W	FLEX FLOW	ABRAS FLEX	SILVER FLEX	INDUSTRO FLEX	BLOWER DUCT	INSULATED DUCT
 AGRICULTURAL		•		•			•		•	•	•			
 AIRCRAFT	•	•	•										•	•
 BRICKWORKS							•	•	•	•				
 BUILDING	•		•					•	•	•	•			
 CAR AIR-CON DEMISTERS	•											•		
 CEMENT WORKS			•				•		•	•				
 FLOUR MILLS		•			•		•							
 FOOD					•	•	•							
 GRAIN SILO		•			•		•							
 LABORATORIES		•		•			•	•	•	•	•	•		
 MINING			•						•	•			•	•
 OFFICE EQUIPMENT	•													
 OIL REFINERIES				•	•	•	•	•						
 PAPERMILL	•			•			•							
 QUARRIES				•					•	•				
 RECYCLING PLANTS					•									
 SUGAR MILLS				•	•	•	•	•						
 TEXTILES					•		•							
 VENTILATION												•	•	•
 WELDING			•	•			•	•			•			
 WOODWORKING				•	•		•							

MINEMASTER™ INTRODUCTION

OUR MINING PRODUCTS ARE CONSTRUCTED FROM POLYETHYLENE WOVEN COATED FABRIC OR PVC COATED POLYESTER. OUR MANUFACTURING PROCESS INCORPORATES OUR PATENTED PROCESS STITCHWELD MINEFLAT. THIS INNOVATION GIVES VASTLY REDUCED AIR LOSS BY WAY OF TOP AND BOTTOM WELDED SEAMS. OUR STITCHWELD PRODUCT HAS DEMONSTRATED A LONGER LIFE SPAN BY ELIMINATING WELDTEAR AND DELAMINATION. OUR PRODUCT IS USED IN MINES ALL OVER THE WORLD. PLASCORP™ CAN SUPPLY YOU ALL YOUR VENTILATION NEEDS, TO INSTALLING A NEW VENTILATION SYSTEM FOR UNDERGROUND MINING OR INDUSTRIAL APPLICATIONS.



PLASCORP MINE VENTILATION FABRICS

All of our mining ventilation products are available in a choice of 3 materials, depending on the circumstances. Minemaster™ is our most popular standard material, offering a lighter ducting still capable of handle the rigors of underground mines. Tuffmaster™ is our premium material, offering superior tear strength and cut resistance and ideal for fans over 150kW. FRAS (Fire Retardant Anti Static) is for fiery and semi fiery applications that demand extra safety and complies with the requirements for electrical and fire resistance as tested by the Department of Industry - Resources and Energy NSW. FRAS is also approved by the South African Bureau of Standards (SABS)

All of the Mine Ventilation products in this brochure are available in all three fabrics:

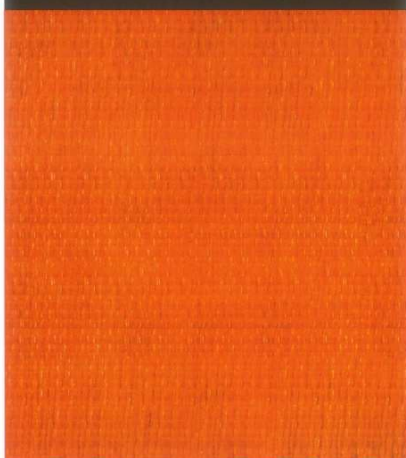
MINEMASTER™

Coated Woven PE material
FR available
Colour coded based on duct size
Yellow / Silver / Blue



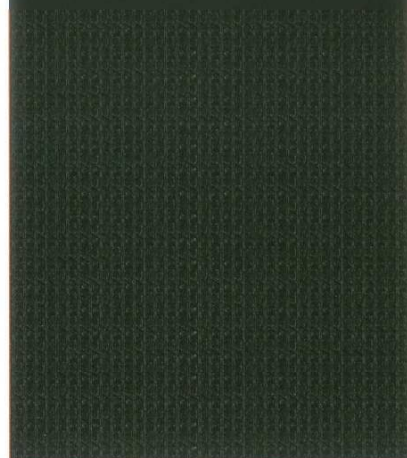
TUFFMASTER™

Heavy Duty Coated woven PE material
Extremely low air permeability
Orange

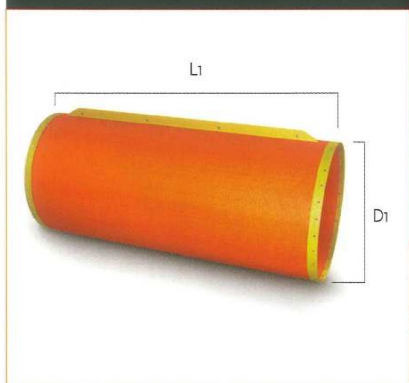


FRASMASTER

PVC Coated Polyester
Fire Retardant with Elec resistance $<3 \times 10^8$ ohms
Black, White available upon request



MINEFLAT



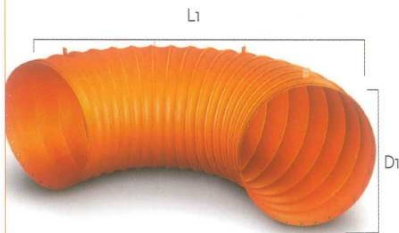
Other sizes available upon request.

Based on field tests, Mineflat delivers more airflow for a given length of ducting due to a lower leakage coefficient because of our patented stitch-weld process. Mineflat is colour coded based on the diameter of the duct to easily identify sizing.

All sizes available in 5, 10 and 20m lengths with some also available in 50m. The joining mechanism is the skirt connecting method consisting of eyelets and a skirt enabling connection with Mineflex, hook and loop fasteners and even zippers. Discuss with your Sales Representative for your joining needs.

D1 (mm)	L1 (m)	L1 (m)	L1 (m)	L1 (m)
305	5	10	20	
355	5	10	20	
406	5	10	20	
457	5	10	20	
508	5	10	20	
572	5	10	20	
610	5	10	20	
762	5	10	20	
810	5	10	20	
910	5	10	20	50
1067	5	10	20	50
1220	5	10	20	50
1400	5	10	20	50

MINEFLEX

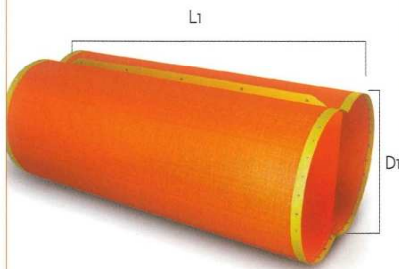


Other diameters and lengths available upon request.

Mineflex typically is constructed with Minemaster fabric. As the name "flex" indicates, this product has a wire spiral helix which provides flexibility and avoids kinking. The joining mechanism is the skirt connecting method consisting of eyelets and a skirt enabling connection with Mineflat. This product is available in all material types described on page 2. Other diameters and lengths available upon request.

D1	D1 Nominal I.D. mm	D1 Nominal I.D. inches	L1 (m)
	300	12	10
	355	14	10
	406	16	10
	457	18	10
	508	20	10
	610	24	10
	710	28	10
	762	30	10
	810	32	10
	910	36	10
	1067	42	10
	1220	48	10
	1400	56	10

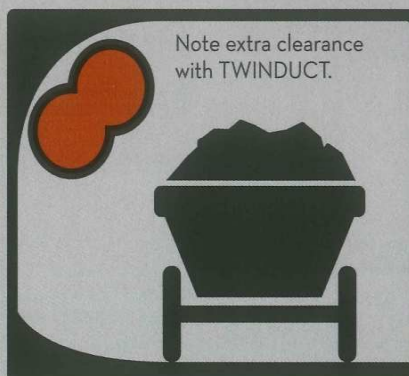
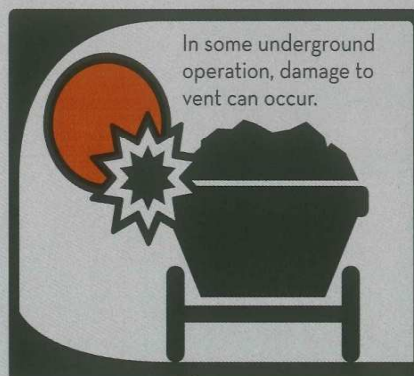
TWIN DUCT



Other sizes available upon request.

Twinduct is designed to be used in areas where damage is likely to occur on tight areas of underground mining, especially where mine tunnel heights are limited.

Twinduct D1 (mm)	Mineflat Equivalent (mm)	L1 (m)	L1 (m)	L1 (m)	Headspace saving with Twinduct (mm)
455	610	5	10	20	205
570	760	5	10	20	300
680	915	5	10	20	335
762/795	1067	5	10	20	405
910	1220	5	10	20	410
1045	1400	5	10	20	450



TWINDUCT TRANSITION / TROUSER LEG



The Twinduct Transition and Twinduct Trouser Legs (shown) convert a single Mineflat duct into a Twinduct without losing airflow volume. Easily connects to existing Mineflat / Mineflex and Twinduct. Selection is based on headspace and ventilation line requirements.

Twinduct Equivalent (mm)	Tubular Diameter (mm)
455	610 (24")
570	760 (30")
680	915 (36")
762/795	1067 (42")
910	1220 (48")
1045	1400 (56")

TWIN DUCT REDUCER

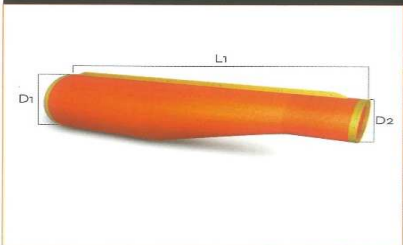


The Twinduct Reducer changes the diameter of the twinduct from a larger to smaller size.

D1 (mm)	D2 (mm)	L1 (m)
910	762	5
1045	910	5

Other sizes available upon request.

REDUCER

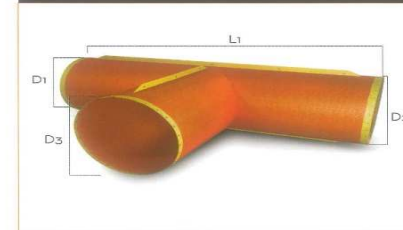


The Reducer changes the diameter of the single duct from a larger to smaller size.

D1 (mm)	D2 (mm)	L1 (m)
610	400	5
910	762	5
1067	762	5
1067	910	5
1220	1067	5
1300	1067	5
1400	1067	5
1400	1220	5

Other sizes available on request
Twin duct reducers available on request

T PIECE

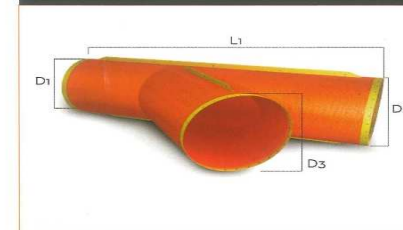


Allows for changes in direction with the mine tunnel.

D1 (mm)	D2 (mm)	D3 (mm)	L1 (m)
305	305	305	5
355	355	355	5
406	406	406	5
457	457	457	5
508	508	508	5
572	572	572	5
610	610	610	5
762	762	762	5
810	810	810	5
910	910	910	5
1067	1067	1067	5
1220	1220	1220	5
1400	1400	1400	5

T Reducers available on request

DUAL FIN BRANCH PIECE

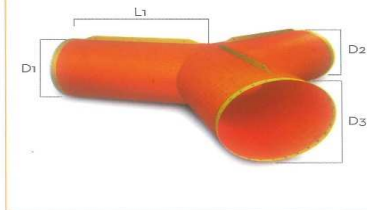


Used when a side tunnel diverts off the main tunnel. The branch is at 45° to the main vent. The double hanging eyelets or 'DUAL FINS', allow the branch piece to be installed left or right, simply by inverting it.

D1 (mm)	D2 (mm)	D3 (mm)	L1 (m)
305	305	305	5
355	355	355	5
406	406	406	5
457	457	457	5
508	508	508	5
572	572	572	5
610	610	610	5
762	762	762	5
810	810	810	5
910	910	910	5
1067	1067	1067	5
1220	1220	1220	5
1400	1400	1400	5

Branch Reducers and Twinduct available on request.

Y PIECE

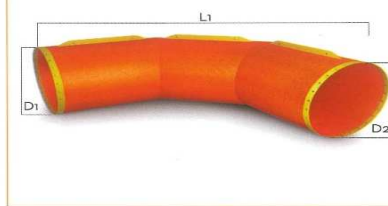


Y Reducers available on request.

Y Pieces split the vent into 2 streams and are made with a 120°.

D1 (mm)	D2 (mm)	D3 (mm)	L1 (m)
305	305	305	2.5
355	355	355	2.5
406	406	406	2.5
457	457	457	2.5
508	508	508	2.5
572	572	572	2.5
610	610	610	2.5
762	762	762	2.5
810	810	810	2.5
910	910	910	2.5
1067	1067	1067	2.5
1220	1220	1220	2.5
1400	1400	1400	2.5

90° LONG RADIUS LOBSTER BACK



Customs lengths available on request.
Lobster backs are available in 3 (shown) pieces.

Long radius bend or Lobster Back allows a change in 90° direction. Lobster backs are available in 3 pieces (as shown) or 5 pieces. Mineflex can also be used as an alternative solution to cater for any angle direction change.

D1 (mm)	D2 (mm)	L1 (m)
305	305	5
355	355	5
406	406	5
457	457	5
508	508	5
572	572	5
610	610	5
762	762	5
810	810	5
910	910	5
1067	1067	5
1220	1220	5
1400	1400	5

FAN ADAPTOR



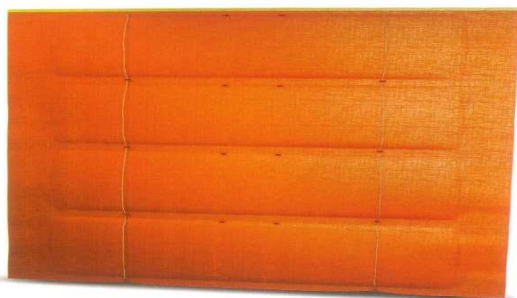
Fan adaptors attach to the fan mandrel/manifold and ducting. It is recommended to install these made from our Tuffmaster material to handle the shock force from the duct inflating rapidly.

D1 (mm)	L1 (mm)
610	500
710	582
762	625
810	664
910	746
1067	875
1220	1000
1400	1148

NIXON FLAPS

PARACHUTES

Nixon flaps and Parachutes block off access to closed sections of the tunnel/mine. Specify dimensions when ordering.

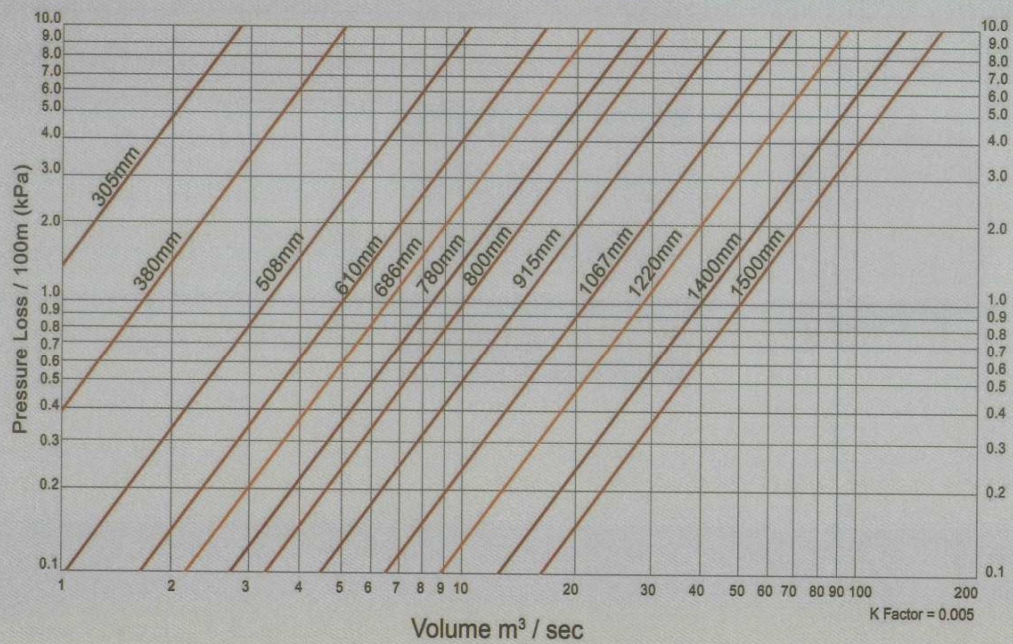


Supplied with pulleys and ropes.



Available with zippers or without.

MINEMASTER VENTILATION DUCTING "FLOW RESISTANCE" CHART AVERAGE THEORETICAL OPERATION



JOINING MECHANISM

The joining mechanism consists of eyelets and a skirt sewn into both ends of the duct as detailed below. Skirt acts as an internal seal to minimise air loss through the joint.



HANGING CLIPS



Used to hang Mineflat/Mineflex to the knocker line.

CODEMASTER™ INTRODUCTION

PLASCORP™ HAS BEEN MANUFACTURING THERMOPLASTIC COMPOSITE HOSE FOR OVER 50 YEARS. THE PLASCORP™ COMPOSITE HOSE RANGE IS PREDOMINATELY USED WITH SUCTION & DELIVERY OF PETROLEUM BASED PRODUCTS, CHEMICALS, ACIDS AND ALKALIS. APPLICATIONS INCLUDE CHEMICAL PROCESS PLANTS, TRANSPORT TANKERS, REFINERIES AND OTHER INDUSTRIAL APPLICATIONS. THE PRODUCT IS AVAILABLE THROUGH AN EXTENSIVE DISTRIBUTION NETWORK. OUR COMPOSITE HOSE CONSTRUCTION RESULTS IN A LIGHT AND FLEXIBLE HOSE WITH A RELATIVELY SHORT BEND RADIUS, SUITABLE FOR A WIDE VARIETY OF USES.



PETROMASTER RANGE AS 2683-2000

THE AS 2683-2000 PETROMASTER RANGE IS DESIGNED AND MANUFACTURED SPECIFICALLY FOR THE DEMANDS OF THE PETRO-CHEMICAL INDUSTRY. THE POLYPROPYLENE FILM AND FABRIC CONSTRUCTION HANDLES HYDROCARBON BASED PRODUCTS. THE INTERNAL AND EXTERNAL WIRE HELIX WIRES DELIVER THE PRESSURE HANDLING CHARACTERISTICS AND A TOUGH PVC COATED FABRIC FORMS THE OUTER COVER.

Description	Code	Type	Conforming Standard	Grade	Elec Kind	Max working pressure (kPa @ ambient temp)								
						3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
Petrol Master Std Green with reflective yellow stripe	1000	1	AS 2683-2000	3	1	*	700	700	700	700	700	700	700	700
Petrol Master HD Black with no stripe	901	1	AS 2683-2000	3	1	-	1400	1400	1400	1200	1000	1000	1000	1000
Petrol Master LW Yellow with reflective green stripe	1003	1	AS 2683-2000	3	1	-	-	-	-	600	500	500	400	*
Aviation Hose Black with green stripe	AVA	1	AS 2683-2000	1	1	*	*	*	700	700	*	700	700	*
Vapour Recovery Hose Black with yellow stripe	VRH	1	AS 2683-2000	3	1	-	-	-	-	*	*	*	400	*
Hot Bitumen White with no stripe	966	2	AS 2475	2	1	700	700	700	700	600	500	500	-	-

Type 1 hose is designed for suction and discharge and to be non-collapsible.

Type 2 hose is designed for discharge only and to be non-collapsible.

Grade refers to the hose suitability to handle aromatic hydrocarbon content in fuels.

Grade 1 hose is suitable for fuels containing up to 30% aromatic hydrocarbon content.

Grade 2 hose is suitable for fuels containing up to 50% aromatic hydrocarbon content.

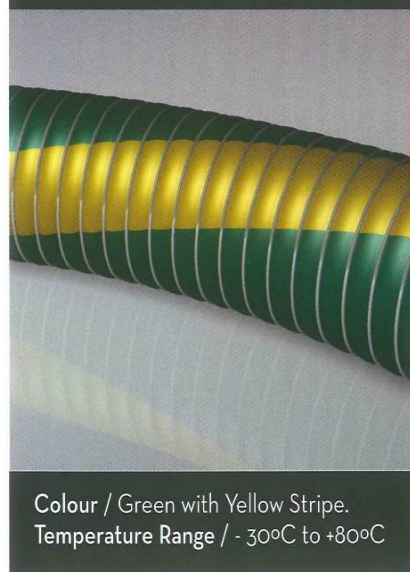
Grade 3 hose is suitable for fuels containing over 50% aromatic hydrocarbon content.

Kind 1 hose has an electrical resistance not greater than 1.0 ohm/m

*Hoses and test pressures available on request

PETROMASTER STANDARD / Type 1 / Grade 3 / Kind 1

CODE 1000



APPLICATIONS: Light weight, flexible hose designed for suction and delivery of petroleum based products. Suitable for road and rail tankers.

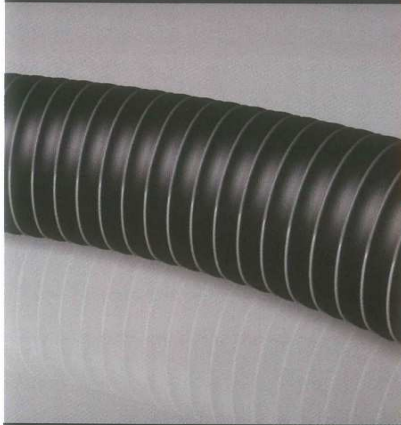
Internal wire - Galvanised steel.

External wire - Galvanised steel.

AS 2683-2000

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1	25	32	60	700	0.8	20
1 1/4	32	38	75	700	1.0	20
1 1/2	39	48	75	700	1.3	20
2	51	63	90	700	1.6	20
2 1/2	63	75	100	700	2.4	20
3	76	90	125	700	2.8	20
4	102	112	200	700	4.1	20
6	152	170	400	700	7.8	to order

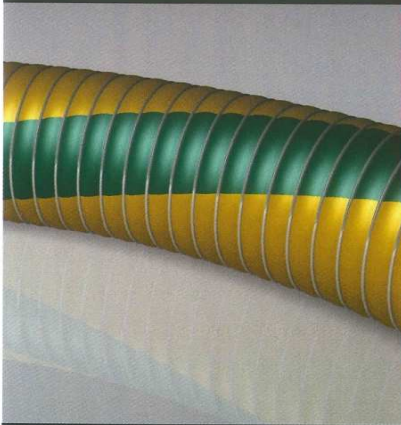
Colour / Green with Yellow Stripe.
Temperature Range / - 30°C to +80°C

PETROMASTER HEAVY DUTY / Type 1 / Grade 3 / Kind 1
CODE 901


APPLICATIONS: Used for ship to shore and general purpose heavy duty applications conveying petroleum products. Suitable for heavy duty discharge for road and rail tankers, docks, ship to shore.
Internal wire - Galvanised steel.
External wire - Galvanised steel.
AS 2683-2000

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1	25	35	100	1400	0.9	20
1 ^{1/4}	32	42	125	1400	1.3	20
1 ^{1/2}	39	50	140	1400	1.5	20
2	51	65	170	1400	1.9	20
2 ^{1/2}	63	76	200	1000	3.0	20
3	76	90	270	1000	3.4	20
4	102	120	340	1000	6.5	20
6	152	180	700	1000	12.4	to order

Colour / Black.
Temperature Range / - 30°C to +80°C

PETROMASTER LIGHTWEIGHT / Type 1 / Grade 3 / Kind 1
CODE 1003


APPLICATIONS: Super light weight hose for suction and delivery of petroleum based products where ease of handling is paramount.
Internal wire - Aluminium.
External wire - Galvanised steel.
AS 2683-2000

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
2	51	63	90	600	1.25	20
2 ^{1/2}	63	75	100	500	1.75	20
3	76	90	125	500	2.0	20
4	102	112	200	400	2.5	20

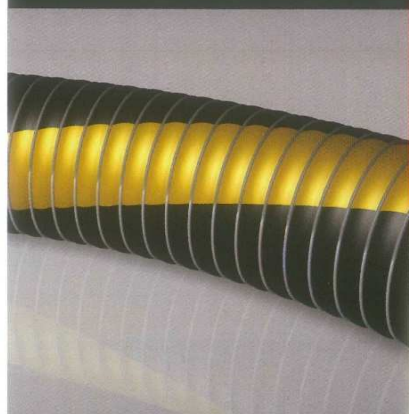
Colour / Yellow with Green Stripe.
Temperature Range / - 30°C to +80°C

AVIATION HOSE / Type 1 / Grade 1 / Kind 1
CODE AVA


APPLICATIONS: Specially designed for the suction and delivery of aviation fuel.
Internal wire - Stainless steel.
External wire - Galvanised steel.
AS 2683-2000

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1 ^{1/2}	39	48	75	700	1.3	20
2	51	63	90	600	1.6	20
3	76	90	125	500	2.8	20
4	102	112	200	400	4.1	20

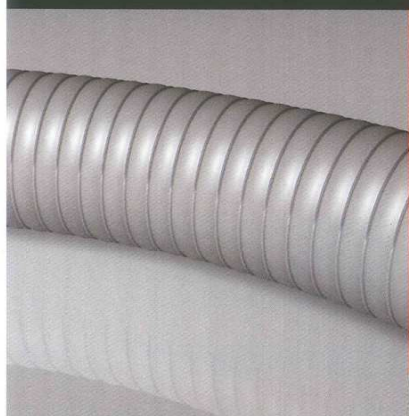
Colour / Black with Green Stripe.
Temperature Range / - 30°C to +80°C

VAPOUR RECOVERY HOSE / Type 1 / Grade 3 / Kind 1
CODE VRH


Colour / Black with Yellow Stripe.
Temperature Range / - 30°C to +80°C

APPLICATIONS: Suitable for the collection or transfer of hydrocarbon vapours within the petroleum industry. Complies with AS2683-2000
Internal wire - Galvanised steel.
External wire - Galvanised steel.
AS 2683-2000

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
4	102	112	200	400	4.1	20

HOT BITUMEN HOSE / Type 2 / Grade 2 / Kind 1
CODE 966


Colour / White.
Temperature Range / - 30°C to +180°C

APPLICATIONS: Manufactured from polyester film and fabric designed for high temperature operation, this hose is ideal for the transfer of hot bitumen via gravity, suction or pressure. This hose is suitable for use with bitumen up to 180°C. It is ideally suited for road tanker loading and discharge, in plant transfer, spraying and spray bar applications. This hose is also suitable for conveying high aromatic content fuels.
Internal wire - Galvanised steel.
External wire - Stainless steel.

Note: This hose is not recommended for use close to direct external radiant heat as the cover is not flame retardant. Hoses should be flushed with diesel or kerosene after use. Cleaning with steam or direct external heat is not recommended.
AS 2475-1001

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
3/4	19	28	125	700	0.8	20
1	25	35	125	700	0.9	20
1 1/4	32	43	130	700	1.0	20
1 1/2	39	50	150	700	1.5	20
2	51	68	200	600	2.0	20
2 1/2	63	78	250	500	2.8	20
3	76	90	280	500	3.5	20

CHEMFLOW RANGE AS 2594-1983

CHEMFLOW AS 2594-1983 RANGE IS SUITABLE FOR THE SUCTION AND DELIVERY OF A WIDE RANGE OF CHEMICALS. CONSTRUCTED OF POLYPROPYLENE FILMS AND FABRICS, THE HOSES ARE RESISTANT TO MOST ACIDS, ALKALIS AND SOLVENTS. INTERNAL AND EXTERNAL HELIX WIRES BIND THE HOSE TOGETHER AND DELIVER ITS PRESSURE HANDLING CHARACTERISTICS AND A TOUGH PVC COATED FABRIC COVER FORMS THE OUTER COVER. A NUMBER OF DIFFERENT INTERNAL AND EXTERNAL WIRE COMBINATIONS ARE AVAILABLE DEPENDING ON CHEMICAL RESISTANCE REQUIREMENTS AND THE MATERIAL BEING CONVEYED. PLEASE CONSULT WITH YOUR SUPPLIER FOR COMPATIBILITY.

Description	Code	Type	Conforming Standard	Max working pressure (kPa @ ambient temp) inch								
				3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	6
Chemiflow Std Grey with red stripe	951	1	AS 2594-1983	*	1400	1400	1400	1200	1000	1000	1000	1000
Chemiflow SSW Grey with blue stripe	952	1	AS 2594-1983	*	1400	1400	1400	1200	1000	1000	1000	1000
Chemiflow CS Orange	969	1	AS 2594-1983	*	1400	1400	1400	1200	1000	1000	1000	1000
Chemiflow ASS Orange with blue stripe	ASS	1	AS 2594-1983	*	1400	1400	1400	1200	1000	1000	1000	1000
Chemiflow PTSS Red with white stripe	2200	1	AS 2594-1983	-	*	-	*	1000	*	1000	1000	*

Type 1 hose is designed for suction and discharge and to be non-collapsible.

CHEMFLOW STANDARD / Type 1

CODE 951



Internal wire - PP coated Galvanised steel.
External wire - Galvanised steel.
AS 2594-1983

Colour / Grey with Red Stripe.
Temperature Range / - 30°C to +100°C

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1	25	38	100	1400	0.9	20
1 1/4	32	45	125	1400	1.3	20
1 1/2	39	50	140	1400	1.5	20
2	51	65	170	1200	1.8	20
2 1/2	63	78	200	1000	2.7	20
3	76	92	270	1000	3.3	20
4	102	120	340	1000	6.3	20

CHEMIFLOW SSW / Type 1

CODE 952



Internal wire - PP coated Galvanised steel.
External wire - Stainless steel.
AS 2594-1983

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1	25	38	100	1400	0.9	20
1¼	32	45	125	1400	1.3	20
1½	39	50	140	1400	1.5	20
2	51	65	170	1200	1.8	20
2½	63	78	200	1000	2.7	20
3	76	92	270	1000	3.3	20
4	102	120	340	1000	6.3	20

Colour / Grey with Red Stripe.
Temperature Range / - 30°C to +100°C

CHEMIFLOW CS / Type 1

CODE 969



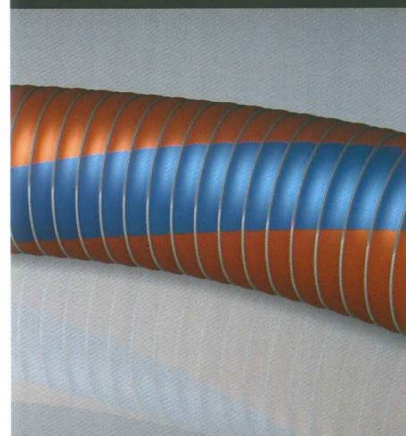
Internal wire - Stainless steel.
External wire - Galvanised steel.
AS 2594-1983

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1	25	38	100	1400	0.9	20
1¼	32	45	125	1400	1.3	20
1½	39	50	140	1400	1.5	20
2	51	65	170	1200	1.8	20
2½	63	78	200	1000	2.7	20
3	76	92	270	1000	3.3	20
4	102	120	340	1000	6.3	20
6	152	180	700	1000	12.4	to order

Colour / Orange.
Temperature Range / - 30°C to +100°C

CHEMIFLOW / Type 1

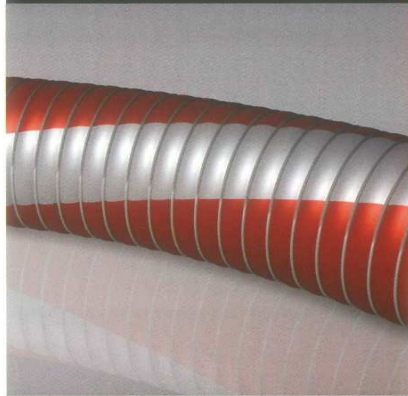
CODE ASS



Internal wire - Stainless steel.
External wire - Stainless steel.
AS 2594-1983

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
1	25	38	100	1400	0.9	20
1½	39	50	140	1400	1.5	20
2	51	65	170	1200	1.8	20
2½	63	78	200	1000	2.7	20
3	76	92	270	1000	3.3	20
4	100	120	340	1000	6.3	20
6	152	180	700	1000	12.4	to order

Colour / Orange with Blue Stripe.
Temperature Range / - 30°C to +100°C

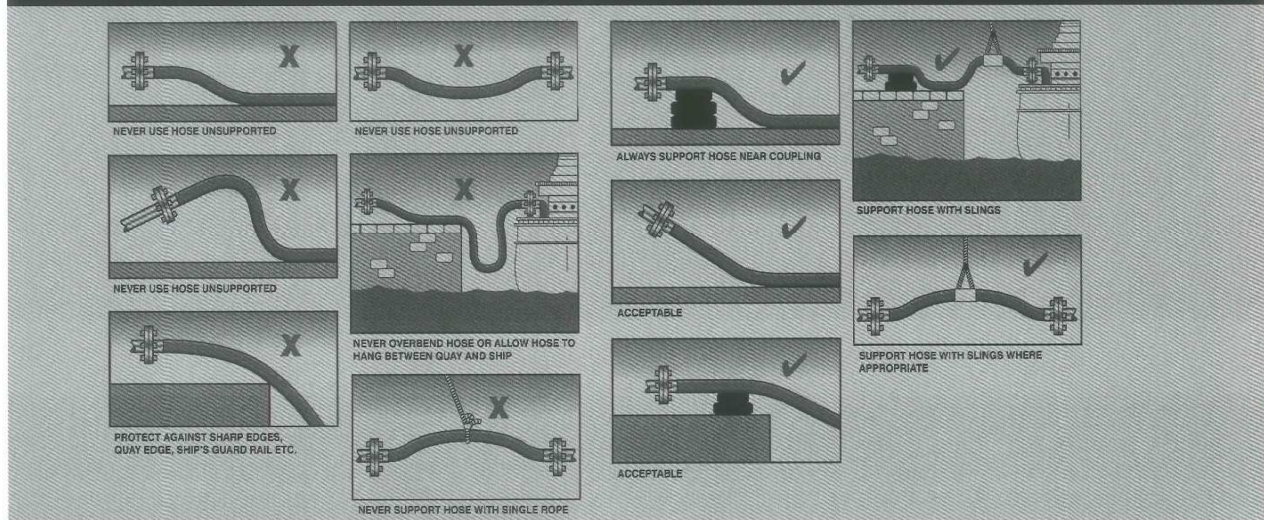


APPLICATIONS: PTFE lined for increased resistance to aggressive chemicals. Heavy duty (Code 2201) and Lightweight (Code 2203) available upon request.
Internal wire - Stainless steel.
External wire - Stainless steel.
AS 2594-1983

Nom Inches	I.D. (mm)	O.D. (mm)	Min. Bend Radius (mm)	Working Pressure kPa@20°C	Weight (kg/m)	Coil Length (m)
2	51	65	175	1400	1.85	20
3	76	92	300	1400	4.15	20
4	102	120	350	1400	4.80	20

Colour / Red with White Stripe.
Temperature Range / - 30°C to +100°C

INCORRECT & CORRECT USAGE



ROPE LAGGING

All hoses can be supplied with polypropylene rope lagging. It is necessary to specify at time of ordering. Lagging insulates and protects the hose from abrasion but doubles the bend radius of the hose.

Nom Inches	Nom Diameter (mm)	Rope Diameter (mm)
1	25	8
1 ¹ / ₄	32	8
1 ¹ / ₂	39	8
2	51	8
2 ¹ / ₂	63	10
3	76	10
4	102	10
6	152	12

HOSE ASSEMBLIES

Due to the often hazardous conveyance used, it is recommended that composite hoses should only be used with properly fixed fittings. Composite hoses are normally fitted by the wire whipped method or by external crimp. All hoses have a 6 to 1 pressure safety factor.

FITTINGS

A wide range of fittings can be supplied such as Camlocks, BSP fittings, flanges etc. Consult with your hose supplier for the right type of fitting for your application.

TESTINGS

All hose assemblies must be pressure tested hydrostatically to two times the maximum recommended working pressure and electrically tested to confirm continuity per AS2683/AS2594/AS1180. Hose tag attached for proof of testing.

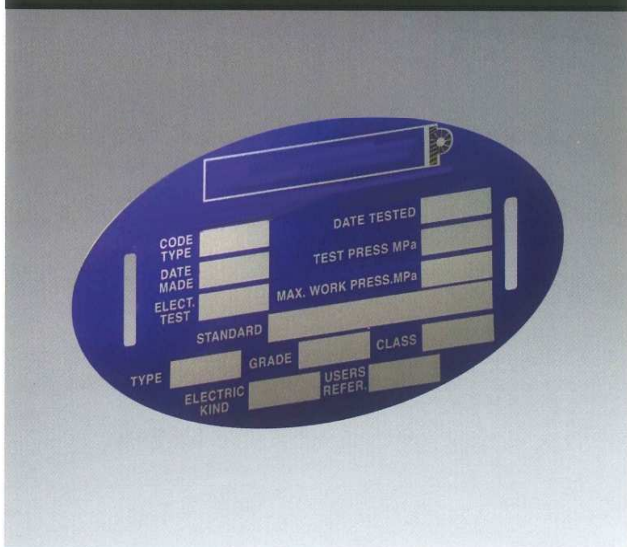


WIRE WHIPPED



CRIMPED

TEST TAG



NBR SCUFF PROTECTION RING

The rubber ring provides protection of the hose from wear and tear as well as elevates it above the ground, reducing possible contact with chemicals. Available for 2", 3" and 4" hoses.

