

**H**ose & **C**ouplings **F**or **A**frica cc



**I**NDUSTRIAL

**P**V

**H**OSE



# INDUSTRIAL PVC HOSE

## Mining Hose

- ✦ *Supplied in sizes, 10, 12.5, 20, 25, 32, 40, 50mm*
- ✦ *SANS 1086 available in orange, blue, green or custom*
- ✦ *Operating pressure : 9 – 17 bar (dependant on hose size)*
- ✦ *Temperature range : 0° - 40°C*
- ✦ *Supplied plain-ended or as complete hose assemblies (see fittings)*
- ✦ *Applications include : compressors, jack hammers, pneumatic tools high-pressure air and water conveyance*
- ✦ *Oil resistant and non-absorbent*
- ✦ *Made in South Africa*
  
- ✦ *mining hoses were specially developed for South African mining conditions and are used for a range of applications including: Compressors, Jack hammers, Pneumatic tools, High-pressure air and water conveyance, Explosives loading*
  
- ✦ *mining hoses are manufactured with:  
PVC inner liner, Polyester reinforcing, PVC outer cover.*
  
- ✦ *mining hoses are: long lasting, lightweight, flexible, cut and abrasion resistant,  
oil resistant and non-absorbent, tested for high burst pressures, able to withstand temperatures ranging from 0°C to 60°C.  
WARNING: As temperatures increase, pressure ratings decrease.*

## Mining Hose

<b>MD 500 Orange and M4508 Blue</b>			
D(mm)	Working Press (Bar)	Burst Pressure (Bar)	Wall (mm)
10	17	68	2.9
12	17	68	3.3
20	15	60	3.6
25	14	56	4.1
32	10	40	4.6
50	8.8	35	6.8



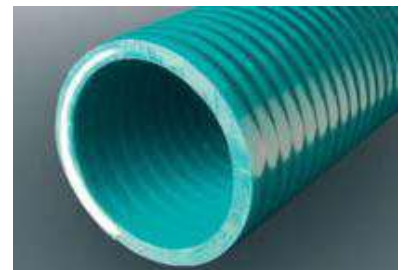
<b>M 5008 Green</b>			
ID(mm)	Working Press (Bar)	Burst Pressure (Bar)	Wall (mm)
10	17	68	2.9
12	17	68	3.5
20	15	60	4.9
25	14	56	4.5
32	10	40	5.1
40	8.8	35	6.2
50	8.8	35	7.2



# PVC Suction and Delivery Hose

## Heliflex Suctions and Delivery Hose

Standard Duty IS 655					Medium Duty IS 755							Heavy Duty IS 866		
ID (mm)	OD (mm)	Mass per metre (kg/m)	Bending Radius (mm)	% Vacuum	OD (mm)	Mass per metre (kg/m)	Bending Radius (mm)	% Vacuum	Working Pressure (kpa)	OD(mm)	Mass per metre (kg/m)	Bending Radius (mm)	Working Pressure (kpa)	% Vacuum
25	30	0.32	40	99	33	0.39	45	99	550	32	0.40	80	970	99
32	39	0.56	60	99	40	0.69	70	99	550	41	0.68	120	720	99
40	47	0.67	80	99	48	0.86	90	99	480	49	0.94	170	720	99
50	57	0.79	105	99	59	1.00	110	99	480	60	1.11	250	620	99
63	73	1.32	135	99	75	1.54	150	99	410	76	1.68	350	620	99
75	85	1.61	180	99	86	1.89	210	99	380	87	2.00	400	480	
100	114	3.07	295	99	112	3.10	350	99	310	116	3.37	500	380	99
125	-	-	-	-	-	-	-	-	-	140	5.20	1000	380	95
150	-	-	-	-	-	-	-	-	-	170	6.83	1500	240	95
200	-	-	-	-	-	-	-	-	-	229	12.51	2000	240	90
250	-	-	-	-	-	-	-	-	-	279	15.58	2500	240	85

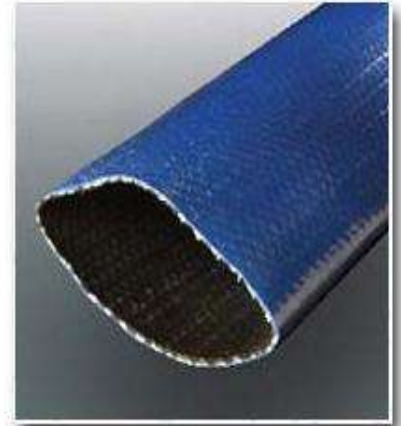


## Layflat Hose – Standard Duty

High adhesion  
Abrasion resistant

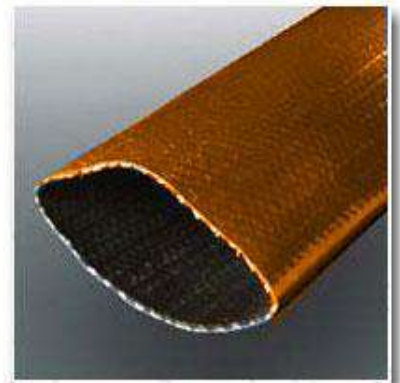
Suggested for water discharge in residential, agricultural and industrial applications

Nominal Diameter		20°C	
Hose Size	Clamp Size	B/P Kp/cm2	Max.W/P Kp/cm2
20mm	20-32	40	13
25mm	25-40	35	12
32mm	32-50	30	10
38mm	40-60	12	4
50mm	50-70	12	4
63mm	60-80	11	3.5
76mm	70-90	9	3.5
100mm	100-120	9	3.5
150mm	150-170	7	3



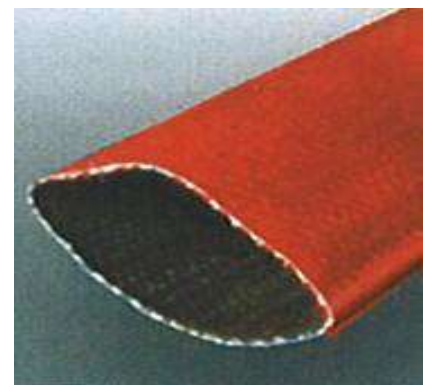
## Layflat Hose – Medium Duty

Nominal Diameter		20°C	
Hose Size	Clamp Size	b/p Kp.cm2	Max. W/P Kp/cm2
38mm	43-48	20	7
50mm	54-62	20	7
63mm	62-70	20	7
76mm	78-86	18	6
100mm	102-110	15	5
150mm	154-168	12	4
200mm	202-216	10	3.5



## Layflat Hose – Heavy Duty

Nominal Diameter		20°C	
Hose Size	Clamp Size	b/p Kp.cm2	Max. W/P Kp/cm2
32mm	34-38	50	17
40mm	43-48	50	17
50mm	54-62	50	16
63mm	62-70	48	16
76mm	78-86	37	12
100mm	102-110	33	12
150mm	154-168	22	7.5



## Clear PVC Hose (Re-enforced) I 7009

**I 7009**

**High pressure applications such as air, dilute acid and oils**

**Good chemical and oil resistance (refer to PVC chemical resistance chart)**

Nominal Dimensions (mm)													
Inside Diameter	3	5	6.3	8	10	12.5	16	20	25	32	40	50	
Outside Diameter	5.8	7.6	9.6	11.4	13.4	16.4	20.5	24.4	30.5	40.4	49.1	59.6	
Working Pressure (kpa)	1700	1500	1300	1200	1100	1100	1000	1000	1000	900	800	700	
Burst Pressure (kpa)	7000	6600	5900	5200	4500	4200	4000	4000	4000	3800	3600	3000	



## Clear PVC Thick/Thin Wall Hose No Re-enforcing) 1 6001/2

**Low pressure applications such as laboratory tubing, aquariums**

**Chemical and abrasion resistant see PVC chemical resistance chart. Good clarity**

Internal Diameter (mm)	3	4	5	6.3	8	10	12.5	16	20	25	32	40	50
Wall Thickness													
6001	0.8	0.8	0.8	1.1	1.1	1.2	1.5	-	-	-	-	-	-
6002	1.4	-	1.4	2.2	2.2	2.7	2.7	2.7	2.8	3.3	3.3	3.3	3.3



## Rock Drill Hose

- \*High burst and working pressures
- \*Extra polyester reinforcing
- \*For use with air compressors in construction works
- \*quarries and heavy duty mining applications

### High Pressure Rock Drill Hose

ID (mm)	Working pressure (Bar)	Burst Pressure (Bar)	Wall (mm)
10	42	120	4.3
12	35	100	3.5
20	32	90	5.4
25	28	80	6.2
32	17	70	7.4
40	16	64	8.0
50	12	45	8.9



## Garden Hose

- \*10 year design life
- \* Burst pressure of 4 000 KPA
- \* Blue stripe

Internal Diameter (mm)	12	20	25
Mass per metre (g)	210	338	538

- \* 7-year design life
- \* Burst pressure of 3 000 kpa
- \* Orange stripe

Internal Diameter (mm)	12	20
Mass per metre (g)	150	290

- \* 6 Year design life
- \* Burst pressure of 2 800 kpa

Internal Diameter (mm)	12	20
Mass per metre (g)	121	246



## Antistatic Hose

ID (mm)	Compliant with BS 2050 – 1978 resistance requirements @ $3 \times 10^3$ to $1 \times 10^6$ Ohms/m Wall (mm) ANTI STATIC INNER LINER			
16/20	M 8003/16 Black Smooth	3.00	3.00	-
16/20	M 8013 Black Thick Wall Ribbed	4.40	4.70	-
20	M 7012 Red Reinforced Flexible	-	3.00	-
16/20/25	M 7022 Black Reinforced Rigid	3.00	3.00	4.00



## Crop Spray Hose

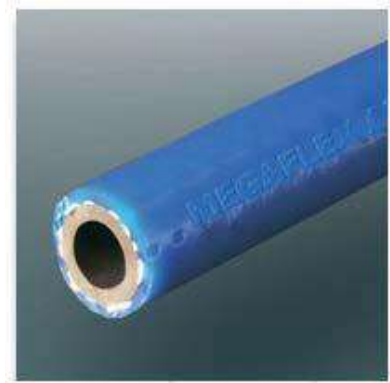
**Specially formulated for crop and stock spraying.**

**Coextruded inner liner for good chemical resistance, particularly to acids, alkalis and inorganic solutions.**

**High working and burst pressure.**

**Good flexibility**

Inside Diameter (mm)	10	12.5	20
Working Pressure (kpa)	6600	6600	5300
Burst Pressure (kpa)	20000	20000	160000





## Ducting Hose

Light duty – extremely flexible hose, suitable for ducting of chemical fumes, ventilation, air conditioning or light duty dust extraction applications

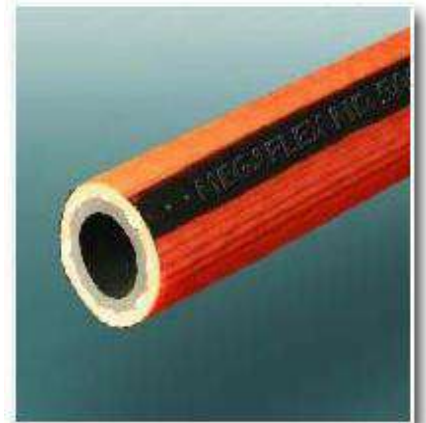


Inside Diameter (mm)	25	32	40	50	64	75	100	125	150
Outside Diameter (mm)	32	38	48	58	72	84	112	137	164
Mass (kg)	0.35	0.39	0.41	0.59	0.77	0.88	1.00	1.67	1.90

## Fire Reel Hose

10 year design life  
Specially designed for fire fighting industry

Features a heavy duty nylon reinforcing to withstand the high pressure encountered in municipal mains



Nominal Internal Diameter (mm)	12.5	20
Working Pressure (kpa)	1700	1500
Burst Pressure (kpa)	6800	6000
Mass per metre (g)	265	414

## Fuel Hose

Good resistance to fuel, diesel and gas  
Cut and abrasion resistant



Internal Diameter (mm)	3	5	6.0	8	10	12.5	25
Outside Diameter (mm)	8	10	11.8	13.8	15.7	18.3	32.5
Pressure (kpa)							
Working	1 700	1 500	1 400	1 200	1 100	1 100	600
Burst	7 000	6 600	5 900	5 200	4 500	4 200	2 400
Mass per metre (g)	50	68	93	116	140	185	524

## Orange LP Gas hose

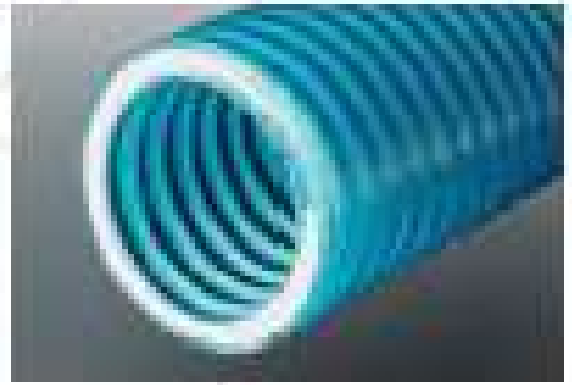
Good resistance to fuel, diesel and gas  
Cut and abrasion resistant.



Nominal Internal Diameter (mm)	6	8	10
Outside Diameter (mm)	12.1	14	16.1
Pressure (kpa)			
Working	1 300	1 200	1 100
Burst	5 900	5 200	4 500
Mass per metre (g)	110	135	167

## Fuel Resistant

Good resistance to fuels and gases



Internal Diameter (mm)	25	32	40	50	64	75	100
Outside Diameter (mm)	32	41	49	60	76	87	113
Mass per metre (g)	0.41	0.72	0.86	1.18	1.78	2.08	3.25
Bending Radius (mm)	80	120	170	250	350	400	500
% Vacuum	99	99	99	99	99	99	99

## Fuel Resistant – Non toxic

Specially formulated for the conveyance of food products



Internal Diameter (mm)	25	32	40	50	64	75	100	125	150	200
Outside Diameter (mm)	32	41	49	60	76	87	115	140	170	221
Mass per metre (g)	0.41	0.70	0.85	1.14	1.75	2.05	3.19	5.18	7.31	8.63
Bending Radius (mm)	80	120	170	250	350	400	500	1 000	1 500	2 000
% Vacuum	99	99	99	99	99	99	99	95	95	90