



Hose Solutions



AGRICULTURE HOSE PROFILE

**By Hose Solutions
Smart Fluid Handling
Solutions for the
Agricultural Sector**

Hose Solutions specialises in supplying and manufacturing hose and fittings for a wide range of applications and industries — including the food and dairy sectors.

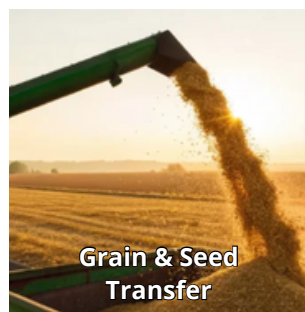
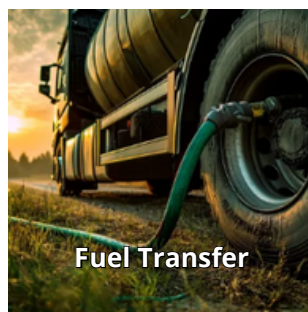
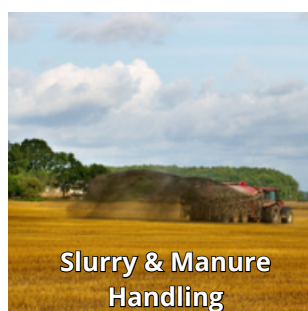
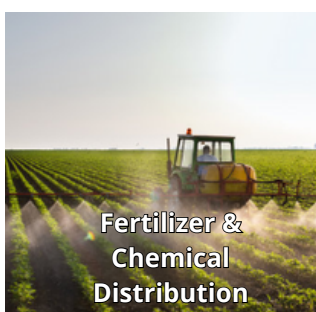
With over 15 years of experience, we're a trusted partner for quality, performance and service across South Africa and beyond.

www.hosesol.co.za

WHY SPECIALISED AGRICULTURAL HOSES?

- ✓ Designed for rugged outdoor use
- ✓ Withstand abrasion, UV, and harsh weather
- ✓ Safe for water, fertiliser, slurry, and chemicals
- ✓ Flexible & crush-resistant for field handling
- ✓ Support suction, delivery, and pressure systems

TYPICAL APPLICATIONS INCLUDE:



AGRICULTURAL HOSE APPLICATIONS & PRODUCTS

1.Irrigation & Water Transfer

Use: Watering crops, furrows, or tank supply

Recommended Products:

Heavy duty Keliflex suction & delivery hose

Spirally reinforced heavy duty PVC suction hose.

Available in 30M lengths in green. 150mm-300mm. Also available in yellow/ clear. Used for suction and delivery of liquids and mixtures in open cast mine dewatering, agriculture, mining, industrial, civils, fishing, dredging and offshore diamond dredging.

ADVANTAGES:

- Flexible, UV stabilized smooth bore, full flow.
- Abrasion, shock and crush resistant.
- Temperature ranges 0 - 60 Celsius.
- Non toxic PVC. Can withstand vacuum.



ID (mm)	ID (inches)	Working pressure (Kpa)	Bend radius (mm)	Weight (Kg/M)	Weight per Roll
25.4mm	1"	970	80	0.4	12
31.8	1.25"	720	120	0.6	18
38.1mm	1.5"	720	170	0.9	27
50.8mm	2"	620	250	1.2	30.6
63.5mm	2.5"	620	350	1.58	47.5
76.2mm	3"	480	400	1.8	54
101.6mm	4"	380	500	3.2	96
127mm	5"	240	800	5.2	156
152.4mm	6"	240	900	7	210
203.2mm	8"	220	1000	14	420
254mm	10"	200	*	17	510
304.8mm	12"	*	*	21	630

Layflat Blue PVC Hose

Layflat Hoses for Water Pumping Applications

Layflat hoses (also known as layflat water hoses) are widely used across South Africa's agriculture, construction, mining, and wastewater industries for efficient water pumping applications.

Advantages of Layflat Hoses:

- Compact and easy to store when not in use
- Lightweight for effortless handling and transport
- Quick and efficient deployment and retrieval
- Suitable for both light-duty and heavy-duty applications
- Durable and long-lasting, even in tough environments
- Cost-effective solution for water transfer and pumping
- Flexible and kink-resistant for consistent water flow



Blue Layflat Hose Specs

Part		Nominal	Size Actual		Approximate	Wall	Working	Burst	Approximate
Number		Bore	Inch	mm	OD	thickness	Pressure	Pressure	Mass
HLFBLUE	02530X	25	1	25	27.6	1.3	400 kPa	1 500 kPa	0.150 kg/m
HLFBLUE	03230X	32	1¼	32	34.4	1.2	400 kPa	1 500 kPa	0.170 kg/m
HLFBLUE	04030X	40	1½	38	40.4	1.2	400 kPa	1 500 kPa	0.200 kg/m
HLFBLUE	05030X	50	2	51	53	1.0	400 kPa	1 500 kPa	0.220 kg/m
HLFBLUE	06530X	65	2½	64	66.2	1.1	400 kPa	1 500 kPa	0.320 kg/m
HLFBLUE	08030X	80	3	76	78.2	1.1	400 kPa	1 500 kPa	0.360 kg/m
HLFBLUE	10030X	100	4	103	105.5	1.25	400 kPa	1 500 kPa	0.550 kg/m

2. Seed & Fertiliser Transfer

Use: Granular and liquid fertiliser or seed movement

Recommended Product:

Seeder Keliflex Hose:

- Available in clear/black spiral PVC
- Used for planters and air seeders
- Full bore for unrestricted granular flow
- Delivery Hose
- Available in clear or tinted
- UV stabilised
- Flexible & crush-resistant

Spirally reinforced PVC suction hose. Available in 30M lengths in both black/ clear and white/ clear. Used for suction and delivery of liquids and granular product. Mainly used in the agricultural industry for use in planters, as well as granular transfer on air seeders.

ADVANTAGES:

- Super flexible,
- UV stabilized sooth bore, full flow.
- Abrasion, shock and crush resistant.
- Temperature ranges 0 - 60 Celsius.
- Non toxic PVC. Can withstand vacuum.



ID (mm)	ID (inches)	Bursting pressure (bar)	Bend radius (mm)	Weight (Kg/M)	Weight per Roll
25.4mm	1"	24	110	0.38	11.4
31.8mm	1.25"	21	130	0.48	14.4
38.1mm	1.5"	18	155	0.6	18
50.8mm	2"	16	215	0.85	25.5
63.5mm	2.5"	14	275	1.05	31.5

3. Equipment Washdown & Cleaning

Use: Cleaning tanks, equipment, tractors

267BE Water-Slurry Hose – Medium Duty

- Grey PVC with helical blue stripe
- Great flexibility at low temperature
- Handles slurry, mud, or dirty water
- Abrasion, ozone and temperature resistant
- Operates: -20°C to +60°C
- Custom High-Pressure Washdown Assemblies (on request) With insulated, adjustable nozzles



↔		↔		⌚		⌚		⌚		⌚	⌚	
mm	in	mm	in	bar	psi	bar	psi	mm	in	%	kg/m	lb/ft
25,0	1"			7	100	21	300	100,0	3,94	90	0,415	0,28
32,0	1 1/4"			7	100	21	300	128,0	5,04	90	0,605	0,41
38,0	1 1/2"			7	100	21	300	152,0	5,98	90	0,705	0,48
51,0	2"			5	75	15	225	204,0	8,03	90	1,000	0,68
60,0	2 3/8"			5	75	15	225	240,0	9,45	90	1,280	0,87
63,0	2 1/2"			5	75	15	225	252,0	9,92	90	1,340	0,91
76,0	3"			5	75	15	225	304,0	11,97	90	1,750	1,18
80,0	3 1/8"			5	75	15	225	320,0	12,60	90	1,840	1,24
90,0	3 1/2"			4	60	12	180	360,0	14,17	90	2,260	1,52
102,0	4"			4	60	12	180	408,0	16,06	90	2,700	1,82
110,0	4 5/16"			4	60	12	180	440,0	17,32	90	3,100	2,09
120,0	4 3/4"			4	60	12	180	480,0	18,90	90	3,600	2,42
127,0	5"			4	60	12	180	508,0	20,00	90	3,800	2,56
152,0	6"			3	45	9	135	608,0	23,94	90	4,850	3,26
203,0	8"			3	45	9	135	812,0	31,97	90	9,100	6,12

Farm Utility & General Purpose Use

Use: General transfer, diesel, air, water, or lubrication

Available Products:

- Flexi Keliflex Hose
- Rubber Air Hose
- Fuel Transfer Hose

Flexi Keliflex Hose

Spirally reinforced PVC suction hose. Available in 30M lengths in both black/ clear and white/ clear. Used for suction and delivery of liquids and mixtures in various industries such as agriculture, mining, industrial, civils, fishing, dredging and offshore diamond dredging.

ADVANTAGES:

- Super Flexible,
- UV stabilized smooth bore, full flow.
- Abrasion, shock and crush resistant.
- Temperature ranges 0 - 60 Celsius.
- Non toxic PVC. Can withstand vacuum.



ID (mm)	ID (inches)	Bursting pressure (bar)	Bend radius (mm)	Weight (Kg/M)	Weight per Roll
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31.8mm	1.25"	21	130	0.48	14.4
38.1mm	1.5"	18	155	0.6	18
50.8mm	2"	16	215	0.85	25.5
63.5mm	2.5"	14	275	1.05	31.5



FITTINGS RANGE

We supply rugged, corrosion-resistant fittings suited for field work:

- Camlock Couplers (Aluminium, Poly, SS)
- Quick-Connect Irrigation Fittings
- Layflat Hose Couplings
- Hose Clamps (T-bolt, Worm, Double Bolt)
- Spray Gun Nozzles & Valves
- Bauer and Tanker Couplings

WHY HOSE SOLUTIONS?

- ✓ Industry-specific experience
- ✓ Built-to-order assemblies
- ✓ Quality-focused & field-tested
- ✓ Based in Cape Town, servicing SA & SADC
- ✓ Trusted by leading agriculture operations & co-ops

CONTACT US



WE'RE HERE TO HELP

For expert advice for all your fittings, don't hesitate to contact Hose Solutions.



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