

AGRICULTURE



OROFLEX BANDAMA

Premium quality layflat hose for linear drag irrigation reels. Also used as a heavy duty dredging hose.

Special NBR Rubber compound to resist UV penetration and weathering.

Specially designed extruded hose using nitrile rubber and circular woven polyester/nylon reinforcements provides very good kink resistance at low pressures.

OROFLEX BANDAMA has very low elongation properties what eliminates snaking.

Reduced pressure loss is achieved by increase in diameter under pressure.

Fully complies with IA177.

DIAMETER	Inch	2 1/2	3	3 1/2	4	4 1/8	4 1/2	5	6
	mm	63	76	90	102	105	114	127	152
Working pressure	bar.	15,5	14	14	14	12	12	10	10
Burst pressure	bar.	50	40	40	40	35	35	30	30
Weight	g/m	850	900	1.150	1.400	1.450	1.600	1.800	2.200
Thickness	mm	2,8	3,1	3,4	3,6	3,6	3,7	3,8	3,8
Tensile Strength*	kg	5.320	8.380	9.300	10.000	10.000	11.500	12.320	15.000
Bend Radius	mm	1.200	1.300	1.300	1.500	1.500	1.550	1.700	1.750

* Total theoretical Tensile Strength. End Pull at working conditions should not pass 1/3 of this value.

APPLICATIONS

- Irrigation travelers (drag irrigators)
- Linear move supply line
- Flexible pipeline
- Slurry, sludge and liquid manure pumping
- Heavy duty dredge discharge
- Applications where high resistance to abrasion is required

OROFLEX 200 SL

OROFLEX 200 SL is a high pressure, premium quality extruded hose with a very low elongation - best in class - and a very high abrasion resistance.

Circular woven textile jacket using high tensile fibers make it ideal for slurry/sludge applications, combined with a special nitrile rubber compound formulation.

It is used by contractors injecting or surface spreading sludge/slurry as well as by liquid management companies as a main feeding line, taking advantage of its low operating and installation costs. It is very easy to handle and store.

This UV and Ozone resistant lightweight hose is specially designed for long length Heavy Duty applications.



Drag hose



Manure feeding line

DIAMETER	Inch	4	5	6	8	10	12
	mm	102	125	152	203	254	305
Working pressure	bar.	17	14	14	14	12	10
Burst pressure	bar.	45	42	42	35	35	26
Weight	g/m	1.300	1.900	2.450	3.300	3.900	5.500
Thickness	mm	3,4	3,8	4,2	4,3	4,3	5
Tensile Strength*	kg	10.750	13.000	15.500	17.500	36.500	44.000
Bend Radius	mm	1.800	1.900	2.000	2.500	3.000	3.300

* Total theoretical Tensile Strength. End Pull at working conditions should not pass 1/3 of this value.

■ Specially indicated and designed as Manure/Slurry Drag Hose. ■ Specially indicated and designed as Main liquid feeding line.

OROFLEX 20

OROFLEX 20, a hose often copied but never matched. The most popular hose used by industry contractors across the globe, **OROFLEX 20** gives many years of reliable service in many demanding applications.

Stocked in a wide variety of sizes and lengths, **OROFLEX 20** continues to be the innovative market leader in slurry, irrigation and water transfer worldwide.



DIAMETER	Inch	3/4	1	1 1/2	1 3/4	2	3
	mm	19	26,5	38	45	52	76
Working pressure	bar.	28	28	21	21	21	17
Burst pressure	bar.	82	82	63	63	63	52
Weight	g/m	180	250	450	550	640	950
Thickness	mm	2	2,3	2,6	2,7	2,8	3,2
Tensile Strength*	kg	1.500	1.875	3.000	3.500	3.750	6.500
Bend Radius	mm	650	900	1.100	1.280	1.300	1.450

* Total theoretical Tensile Strength. End Pull at working conditions should not pass 1/3 of this value.

APPLICATIONS

- Air supply line
- Water supply line
- Sludge/slurry
- Drag hose
- Compressed air
- Used as a by-pass on temporary lines

OROFLEX 10

OROFLEX 10 medium pressure layflat hose. Reliable and robust yet lightweight and flexible. A superior hose used where ordinary PVC hoses tend to fail.

OROFLEX 10 is used in irrigation, sewage and general pumping duties worldwide.



APPLICATIONS

- Irrigators supply line
- Sewage
- Water supply
- Draining systems

DIAMETER	Inch	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/2	4	4 1/3	5	6	8	10
	mm	38	45	52	60	65	70	76	90	102	110	127	152	203	254
Working pressure	bar.	14	14	14	14	10	10	10	10	10	10	10	10	8	8
Burst pressure	bar.	42	42	42	42	30	30	30	30	30	30	30	30	24	24
Weight	g/m	310	370	400	475	570	580	660	860	950	1.100	1.450	1.650	2.850	3.700
Thickness	mm	2	2	2	2,5	2,5	2,5	2,5	2,5	2,5	2,5	3	3	3	3,5
Tensile Strength*	kg	2.250	3.000	3.250	3.500	3.500	4.250	4.500	5.250	6.000	10.000	10.500	12.500	16.500	18.000
Bend Radius	mm	700	900	1.100	1.200	1.300	1.350	1.450	1.480	1.700	1.800	2.100	2.250	3.000	3.200

* Total theoretical Tensile Strength. End Pull at working conditions should not pass 1/3 of this value.

OROFLEX 30 SL

High pressure layflat hose specially designed as a drag hose in sludge and slurry applications.

OROFLEX 30 SL is made from a tough polyurethane compound and is designed to work in tough abrasive environments.

Colour: green or blue.



APPLICATIONS

- Used as a drag hose for slurry/manure injection and spreading
- Irrigation feeding line
- Traveler irrigators
- Potable water transfer (Materials approved to NSF61 and KTW. Exceeds WRAS standards)
- Compatible with oils and fuel

DIAMETER	Inch	4	4 1/2	5	5 1/2	6
	mm	102	115	127	140	152
Working pressure	bar.	17	14	12	10	10
Burst pressure	bar.	40	35	32	28	28
Weight	g/m	1.300	1.500	1.700	1.900	2.100
Thickness	mm	3,5	3,5	3,7	3,7	3,8
Tensile Strength*	kg	13.100	16.000	18.000	20.000	25.000
Bend Radius	mm	1.750	1.800	1.900	1.950	2.000

* Total theoretical Tensile Strength. End Pull at working conditions should not pass 1/3 of this value.

OROFLEX WELL

OROFLEX WELL has quickly gained worldwide acceptance as a reliable high quality product and is approved for use with drinking water by NSF of America and DVGW of Germany.

The proven design and performance of **OROFLEX WELL** ensures a trouble free and cost effective well installation for the pump installer.

Thousands of wells have been successfully installed worldwide using **OROFLEX WELL** hoses.



APPLICATIONS

- Dewatering
- Mineral extraction
- Appraisal of water wells
- Water monitoring
- Industry water supply
- Agriculture
- Draining
- Marine and offshore industry
- Leachate extraction on landfill sites

DIAMETER	Inch	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6
	mm	25	32	38	51	65	76	102	127	152
Working pressure	bar.	15	30	26	26	26	26	26	26	26
Burst pressure	bar.	50	90	65	57	57	57	57	57	57
Weight without couplings	g/m	165	270	350	570	800	980	1.400	2.000	2.610
Recommended loading-maximum (a)	kg	180	700	700	1.600	2.200	2.800	4.800	6.000	8.000
Tensile Strength	kg	750	3.450	3.450	4.000	5.500	7.000	12.000	15.000	20.000
Maximum depth	m	100	300*	260*	260*	260*	260*	260*	260*	260*
Maximum recommended flow	l/min	120	200	270	500	800	1.200	2.000	3.000	4.500

[a] Including hose weight, cable, couplings, other accessories, pressure at the top of the well, and weight of the water

* Installations above 200m should be consulted before installing.

OROFLEX™ ®

- **HIGH TENSILE STRENGTH**

Less snaking

Tailor made to meet high tensile strength demanding applications

- **OUTSTANDING KINK RESISTANCE**

- **EXCELLENT ABRASION RESISTANCE**



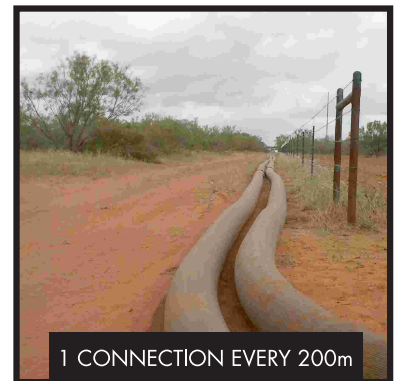
- **LOW MAINTENANCE**

Does not corrode and does not suffer from scaling or attacks from microorganisms

- **ENERGY EFFICIENT**

Will transport more water than rigid pipes of the same diameter

- **FAST DEPLOYMENT AND RETRIEVAL**





OROFLEX™[®]

CONVERSION TABLE

LENGTH	
1 Inch	24.4 Milimetre
1 Foot	30,48 Centimetre
1 Yard	0.9144 Metre
VOLUME	
1 Gallon (GB)	4.546 Litre
1 Gallon (USA)	3,78 Litre
1 Gallon (USA)	0.8315 Gallons (GB)
WEIGHT	
1 Ounce	28.3495 Gram
1 Pound	0.4539 Kilogram
PRESSURE	
1 PSI	0.06895 Bars
1 PSI	0.06806 Atm
1 Atm	1.01329 Bars



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