



Kuriyama Europe



AGRICULTURE



## OROFLEX 10

**OROFLEX 10** is a medium pressure extruded rubber 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 ¼	1 ½	1 ¾	2	2 ¼	2 ½	2 ¾	3	3 ¼	3 ½	4	4 ¼	5	6	8	10
	mm	30	38	45	52	60	65	70	75/78	80	90	102/105	110	127	152/155	203	254
Working pressure	bar	28	14	14	14	14	14	14	12	12	16	12	12	12	12	10	10
Burst pressure	bar	85	42	42	42	42	42	35	30/32	32	40	30	30	30	30	25	24
Weight	g/m	260	300	350	400	500	570	580	680/700	700	830	930/1,050	1,100	1,400	1,600/1,900	2,750	3,900
Thickness	mm	1.9	1.9	1.9	1.9	2.2	2.2	2.3	2.3/2.1	2.3	2.3	2.3/2.4	2.5	2.7	2.7/3.0	3.4	3.8
Tensile Strength*	kg	2,250	2,950	2,350	3,750	5,000	5,100	5,200	5,300	5,900	8,400	7,900	8,900	9,400	16,350	23,600	47,250
Bend Radius	m	0.50	0.70	0.90	1.10	1.20	1.30	1.35	1.45	1.46	1.48	1.70	1.80	2.10	2.25	3.00	3.20



## OROFLEX BANDAMA

Premium quality extruded rubber 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 reinforcement provides very good kink resistance at low pressure.

Oroflex Bandama has very low elongation properties that prevents snaking.

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

Fully compliant with IA177.

DIAMETER	Inch	2 1/2	3	3 1/2	4	4 1/8	4 1/2	5	6
	mm	65	76	90	102	105	115	127	152
Working pressure	bar	20	18	16	14	14	12	12	12
Burst pressure	bar	50	45	40	35	35	30	30	30
Weight	g/m	850	1,000	1,150	1,400	1,450	1,600	1,800	2,100
Thickness	mm	3.0	3.1	3.3	3.3	3.4	3.4	3.5	3.6
Tensile Strength*	kg	5,320	8,380	9,300	10,000	10,000	11,500	12,320	15,000
Bend Radius	m	1.20	1.25	1.30	1.35	1.35	1.50	1.60	1.70

### 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 FLOW

Highly efficient extruded rubber layflat hose specially designed as a main feeding line in agriculture. High pressure, lightweight and flexible. Fast deployment and retrieval.

### APPLICATIONS:

- Slurry, sludge and liquid manure pumping as a main feeding line
- Dewatering operations
- High pressure static applications (not for dragging purposes)
- General pumping duties in irrigation
- Water bypass operations



DIAMETER	Inch	4	5	6
	mm	102	129	152
Working pressure	bar	20	16	16
Burst pressure	bar	50	40	40
Weight	g/m	1,050	1,450	1,850
Thickness	mm	2.3	2.8	3.1
Tensile Strength*	kg	11,500	18,000	14,000

## OROFLEX 20

The OROFLEX 20, a hose often copied but never matched. The most popular hose used by industry contractors across the globe, OROFLEX 20 provides 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.

The OROFLEX 20 is a high pressure, premium quality extruded rubber layflat hose with a very low elongation 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, very easy to handle and store.

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

DIAMETER	Inch	3/4	1	1 1/2	1 3/4	2	2 1/2	3	4	5	6	7	8	10	12
	mm	20	26	38	45	52	65	76	102 / 105	127 / 129	152/154	178	203	254/256	305
Working pressure	bar	33	38	21	21	21	21	18	21	21	20	16	15	14	11
Burst pressure	bar	100	115	63	63	52	52	45	52	42	50	40	35	35 / 33	26
Weight	g/m	195	250	450	550	640	700	900	1,250	1,700	2,500	2,800	3,300	3,950	5,100
Thickness	mm	2.0	2.0	2.8	3.0	3.0	3.0	3.0	3.1	3.2	4.0	4.0	4.1	3.9	4.1
Tensile Strength*	kg	1,500	1,875	3,000	3,500	3,750	6,000	8,500	13,000	15,500	23,400	30,000	35,000	50,000	46,000
Bend Radius	m	0.65	0.90	1.10	1.28	1.30	1.35	1.45	1.80	1.90	2.00	2.20	2.50	3.00	3.00

### APPLICATIONS

- Air supply line
- Water supply line
- Sludge/slurry

- Drag hose
- Compressed air
- Used as a by-pass on temporary lines

## OROFLEX Drag

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

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

Standard colour in green, except the 4" diameter in 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. Exceeds WRAS standards) · Compatible with oils and fuel



DIAMETER	Inch	4	4 ½	5	5 ½	6
	mm	102	115	127	140	152
Working pressure	bar	17	14	14	12	12
Burst pressure	bar	42	35	35	30	30
Weight	g/m	1,300	1,400	1,700	1,900	2,050
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	m	1.75	1.80	1.90	1.95	2.00

## OROFLEX Well

A Premium Quality Flexible Well Riser System.

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.

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.

**Only products bearing the NSF are certified**



DIAMETER	Inch	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8
	mm	32	40	52	65	76	102	127	152	203
Maximum Working Pressure	bar	35	30	26	26	26	26	26	26	16
Burst Pressure	bar	80	70	62	58	58	58	58	58	42
Tensile Strength	kg	3,000	3,500	5,500	6,000	8,000	12,000	18,000	29,000	35,000
Hose Nominal Weight (without coupling)	kg/m	0.29	0.35	0.59	0.87	1.02	1.38	1.94	2.63	3.30
Maximum Recommended Load (a)	kg	700	700	1,600	2,200	2,800	4,800	6,000	8,000	10,900
Maximum Depth	m	300*	260*	260*	260*	260*	260*	260*	260*	150
Maximum Elongation	%	2	2	2	2	2	2	2	2	2
Average Expansion	%	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15	10-15
Service Temperature	-40°C to 50°C									
Recommended Operating pH Range	4 to 9 below 30°C and 5 to 9 from 30°C to 50°C									
Maximum Lengths	m	1,000	500	500	500	500	500	300	300	300
Maximum Recommended Flow	lpm	200	270	500	800	1,200	2,000	3,000	4,500	8,000

(a) including hose weight, cable, couplings, other accessories, pressure at the top of the well and water column weight.

\* Installations above 660ft (200m) should be consulted before installing.

### APPLICATIONS

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

# OROFLEX™<sup>®</sup>

## HIGH TENSILE STRENGTH

Less snaking

Tailor made to meet high tensile strength demanding applications

## OUTSTANDING KINK RESISTANCE

## EXCELLENT ABRASION RESISTANCE



## FAST DEPLOYMENT AND RETRIEVAL



## LOW MAINTENANCE

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

## ENERGY EFFICIENT

Will transport more water than rigid pipes of the same diameter

Only products bearing the NSF mark are certified





**Kuriyama  
Europe**



CONVERSION TABLE

LENGTH

1 inch	25.4 millimeter
1 foot	30.48 centimeter
1 yard	0.9144 meter

VOLUME

1 gallon (GB)	4.546 liter
1 gallon (USA)	3.78 liter
1 gallon (USA)	0.8315 gallon (GB)

WEIGHT

1 ounce	28.3495 gram
1 pound	0.4539 kilogram

PRESSURE

1 psi	0.06895 bar
1 psi	0.06806 atm
1 atm	1.01329 bar



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