BIOFLEX

LAY-FLAT HOSES AND COMPONENTS



AGRICULTURAL
INDUSTRIAL
OIL & GAS
and more



BIOFLEX NBR

IRRIGATION, INDUSTRY, AGRICULTURE, CABLE COVER

FEATURES

- High abrasion resistance with a strong construction and protective wall thickness protect hose from abrasiondamage;
- Atmospheric weathering, ozone and UV resistance, and, good performance at both low and high temperatures (-20°C to +80°C);
- Heat resistance up to +150°C;
- Highly flexible and lightweight for ease of handling. Less space in storage.



CONSTRUCTION

- TEXTILE JACKET: all synthetic woven textile jacket;
- INSIDE LINING: nitrile elastomer;
- OUTSIDE COVER: nitrile elastomer with outside ribs;
- COLOR: black.

BIOFLEX NBR

Code	Diameter		Weight	Thickness	Tensile strenght	Bursting pressure	
№	mm	inch	g/m	mm	t	bar	PSI
076NBR-B	76	3	950	3,2	9	50	750
090NBR-B	90	3 1/2	1100	3,2	11	50	750
102NBR-B	102	4	1350	3,2	13	50	750
127NBR-B	127	5	1700	3,4	17	45	675
152NBR-B	152	6	2200	3,9	18	40	600
185NBR-B	185	7,25	2800	4,0	26	40	600
205NBR-B	205	8	3800	4,0	31	35	525
254NBR-B	254	10	4600	4,3	43	30	450

BIOFLEX NBR TECH

Code	Diameter		Weight	Thickness	Bursting pressure		Bend radius		Tensile strength
№	mm	inch	g/m	mm	bar	PSI	sm	f	t
075NBR-THB	75	3	700	2,5	50	750	130	425	6,9
080NBR-THB	80		850	2,7	50	750	135	440	9,4
090NBR-THB	90	3 1/2	900	2,7	50	750	140	460	9,4
102NBR-THB	102	4	1000	2,8	45	675	155	510	12,4
110NBR-THB	110		1100	3,0	45	675	170	560	12,4
120NBR-THB	120		1300	3,0	40	600	180	590	12,4
127NBR-THB	127	5	1400	3,0	40	600	185	605	16,0
152NBR-THB	152	6	1700	3,0	40	600	200	655	16,9
204NBR-THB	204	8	2700	3,2	30	450	280	920	26,5
256NBR-THB	256	10	3800	3,8	30	450	330	1080	42,3

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BIOFLEX DRAG

AGRICULTURE, WATER DELIVERY



FEATURES

- Water delivery hose, liquid manuring, abrasive material;
- Very high abrasion resistance, 3 to 10 times more than conventional hoses;
- For extremely abrasive use and tough conditions;
- Atmospheric weathering and ozone resistance, and good performance at low temperatures (-50°C to +70°C);
- High temperature resistance up to +80°C.

CONSTRUCTION

- TEXTILE JACKET: all synthetic woven textile jacket;
- INSIDE LINING: polyurethane;
- OUTSIDE COVER: polyurethane;
- COLOR: orange.

BIOFLEX DRAG

Code	Diameter		Weight	Thickness	Tensile strength	Bursting pressure	
№	mm	inch	g/m	mm	t	bar	PSI
090DRG-B	90	3 1/2	1150	3,5	11	45	675
102DRG-B	102	4	1400	3,7	15	38	570
114DRG-B	114	4 1/2	1500	3,7	16	35	525
127DRG-B	127	5	1850	4,2	20	32	480
140DRG-B	140	5 1/2	2050	4,3	25	32	450
152DRG-B	152	6	2250	4,3	27	30	450
185DRG-B	185	7 1/4	3000	4,3	31	30	450
205DRG-B	205	8	3300	4,4	47	30	450

BIOFLEX DRAG EXTRA

Code	Diameter		Weight	Thickness	Tensile strength	Bursting pressure	
№	mm	inch	g/m	mm	t	bar	PSI
090DRG-XTB	90	3 1/2	1400	4,0	11	45	675
102DRG-XTB	102	4	1700	4,6	15	38	570
114DRG-XTB	114	4 1/2	1850	4,6	16	35	525
127DRG-XTB	127	5	2100	4,7	20	32	480
140DRG-XTB	140	5 1/2	2400	4,9	25	32	450
152DRG-XTB	152	6	2800	4,9	27	30	450
185DRG-XTB	185	7 1/4	3500	5,0	31	30	450
205DRG-XTB	205	8	4150	5,0	47	30	450

BIOFLEX DRAG LIGHT

Code	Diameter		Weight	Thickness	Tensile strength	Bursting pressure	
№	mm	inch	g/m	mm	t	bar	PSI
090DRG-BL	90	3 1/2	950	3,1	11	45	675
102DRG-BL	102	4	1200	3,2	15	38	570
114DRG-BL	114	4 1/2	1350	3,2	16	35	525
127DRG-BL	127	5	1500	3,3	20	32	480
152DRG-BL	152	6	2050	3,6	27	30	450



BIOFLEX TPU

WATER PUMPING, INDUSTRY, OIL AND GAS INDUSTRY, FRACKING, LAND RECLAMATION, AGRICULTURE

FEATURES

- Water delivery hose, liquid manuring, abrasive material;
- Very high abrasion resistance;
- Atmospheric weathering and ozone resistance, and good performance at low temperatures (-50°C to +70°C);
- High temperature resistance up to +80°C;
- Excellent oil and fuel resistance;
- Flexible and lightweight for ease of handling. Less space in storage.



CONSTRUCTION

- TEXTILE JACKET all synthetic woven textile jacket;
- INSIDE LINING polyurethane;
- OUTSIDE COVER polyurethane;
- COLOR black.

BIOFLEX TPU TECH

Code	Diameter		Weight	Thickness	Bursting pressure		Tensile strength
№	mm	inch	g/m	mm	bar	PSI	t
075TPU-THB	75	3	700	2,5	50	750	6,9
090TPU-THB	90	3 1/2	900	2,7	50	750	9,4
102TPU-THB	102	4	1000	2,8	50	750	12,4
127TPU-THB	127	5	1400	3,0	40	600	16
204TPU-THB	204	8	2700	3,2	30	450	26,5
256TPU-THB	256	10	3800	3,8	30	450	42,3
305TPU-THB	305	12	4500	3,8	25	375	49,9

BIOFLEX TPU EXTRA

Code	Diameter		Weight	Thickness	Tensile strength	Bursting pressure	
№	mm	inch	g/m	mm	t	bar	PSI
076TPU-XTB	76	3	750	2,9	8	50	750
090TPU-XTB	90	3 1/2	900	3,0	10	50	750
102TPU-XTB	102	4	1150	3,1	12	50	750
114TPU-XTB	114	4 1/2	1350	3,2	12	40	600
127TPU-XTB	127	5	1450	3,3	16	40	600
152TPU-XTB	152	6	1750	3,5	17	40	600
185TPU-XTB	185	7 1/4	2500	3,9	29	40	600
205TPU-XTB	205	8	3100	4,2	35	40	600
254TPU-XTB	254	10	4100	4,3	46	36	540
305TPU-XTB	305	12	5300	4,5	55	30	450

BIOFLEX TPU LIGHT

Code	Diameter		Weight	Thickness	Bursting pressure		Tensile strength
№	mm	inch	g/m	mm	bar	PSI	t
205TPU-BL	205	8	2950	4,0	40	600	35
254TPU-BL	254	10	3500	4,0	36	540	46
305TPU-BL	305	12	4800	4,3	32	480	55



COUPLING



CADLOCK COUPLING

AGRICULTURE, IRRIGATION, WATER PUMPING

FEATURES

- The coupling consists of 2 indentical pipes, 2 three-section clamps, 2 gaskets, bushing and fixing ring;
- 360° rotation under pressure and no kicking.



CONSTRUCTION

- Material: coupling - anodized aluminum alloy, FIXING RING - steel;
- Working pressure up to 18 bar.

DIMENSIONS									
inch	4	4 1/2	5	5 1/2	6	7	8	10	12

STORZ COUPLING

AGRICULTURE, IRRIGATION, WATER PUMPING, OIL AND GAS, FOOD INDUSTRY

CONSTRUCTION

- Material: aluminium alloy, brass, stainless steel AISI 304 or 316;
- Working pressure up to 16 bar.



DIMENSIONS									
inch	3	3	3,5	4	4,5	4,5	5	6	8
mm	65	75	90	102	102	110	127	150	203

VICTAULIC COUPLING

AGRICULTURE, IRRIGATION, INDUSTRY, WATER PUMPING

FEATURES

- 360° rotation under pressure and no kicking.



CONSTRUCTION

- Material: aluminium alloy;
- Working pressure up to 30 bar.

DIMENSIONS				
inch	6	8	10	12

HAVE A QUESTIONS?
CONTACT US RIGHT NOW!

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