

# OROFLEX™ Drag



## Premium Quality Extruded TPU Lay Flat Hose



Specially Designed for Manure Transfer & Travelling Irrigators

Extremely Low Friction Loss

Superior Bend Radius and Kink Resistance

For Extreme UV and Ozone Conditions

### Color:



High visibility orange cover is the standard. Other colors available on minimum order quantity.



### Applications:

Designed and recommended as a liquid manure drag hose, irrigation feeding line, traveling irrigator supply line, sludge injection, transport of compatible fluids (see chemical resistance chart), brackish and sea water and waste water transport.

### Construction:

Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by a tough, highly resistant thermoplastic polyurethane extruded through the weave, forming a single homogenous construction without the use of glues or adhesives. Its construction does not permit corrosion or scaling, while giving a high resistance against abrasion and cutting. Easy handling, storage & transport, which allows for fast installation and retrieval. 2% maximum hose elongation and 10% maximum hose expansion.

### Lining Properties:

- Ultimate Tensile Strength of the lining: Minimum guaranteed value of 40 MPa (5.800 psi).
- Ultimate Elongation: 500% minimum.

### Lengths:

Standard lengths in 100m (330ft) and 200m (660ft). Longer lengths may be available upon request.

### Abrasion Resistance:

The OROFLEX DRAG hose will extend the lifetime of your application when under extreme conditions, where abrasion is the main concern. Under practical conditions, thermoplastic polyurethane is considered to be the most abrasion resistant elastomeric material.

### Service Temperature Range:

-50°C (-58°F) to 65°C (150°F), with peaks of up to 80°C (175°F). Special versions for higher and lower temperatures available upon request.

### Ozone Resistance:

No visible signs of cracking will appear due to the ozone. Excellent weather and UV resistance.

### Chemical Resistance:

Exposure to seawater and contamination by most chemical substances, hydrocarbons, oils and greases has no effect on the short or long term performance of the hose. A chemical resistance chart is available and TIPSA will supply specific chemical resistance data when requested by the purchaser for unique applications.

### Couplings:

As requested by the customer: Camlock, Bauer, Perrot, Victaulic, Storz, etc.

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### Physical Properties:

Part Number	OROFLEX DRAG													
	Nominal Inner Diameter		Wall Thickness		Working Pressure		Burst Pressure		Tensile Strength		Nominal Weight		Bend Radius at WP	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft	m	ft
F556239A*	102	4	3.9	0.154	17	245	42	600	13,100	28,900	1.45	0.97	1.75	5.74
F556240A*	115	4 ½	3.9	0.154	14	200	35	500	18,000	39,700	1.60	1.08	1.80	5.91
F556241A	127	5	3.9	0.154	14	200	35	500	18,000	39,700	1.70	1.14	1.90	6.23
F556238A*	140	5 ½	3.9	0.154	12	175	30	435	20,000	44,100	2.00	1.34	1.95	6.40
F556242A	152	6	4.4	0.154	12	175	30	435	25,000	55,100	2.10	1.41	2.00	6.56
F556261A*	178	7	4.6	0.181	11	160	28	400	33,600	74,100	2.90	1.95	2.05	6.73

\*Sizes available on minimum order quantity.

Part Number	OROFLEX DRAG EXTREME <sup>(1)</sup>													
	Nominal Inner Diameter		Wall Thickness		Working Pressure		Burst Pressure		Tensile Strength		Nominal Weight		Bend Radius at WP	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft	m	ft
F554239A	102	4	3.9	0.154	17	245	42	600	13,100	28,900	1.50	1.01	1.90	6.23
F554242A	115	4 ½	3.9	0.154	14	200	35	500	18,000	39,700	1.60	1.08	1.95	6.40
F556243A	127	5	3.9	0.154	14	200	35	500	18,000	39,700	1.70	1.14	1.90	6.23
F556260A	152	6	4.4	0.154	12	175	30	435	25,000	55,100	2.10	1.41	2.00	6.56

<sup>(1)</sup> The OROFLEX DRAG EXTREME hose is a reinforced version designed for highly abrasive environments.

The actual diameter of these hoses may differ slightly from the nominal diameter specified in this chart to make sure that they can be properly assembled with the couplings. For diameter tolerance questions you may contact us or your distributor.



**tipsa:** reserves the right to modify any specification without prior notice to meet or exceed changing standards. Customers are advised that special diameters or construction characteristics can be produced upon special request. Contact your local dealer or TIPSA at: [tipsaex@tipsa.com](mailto:tipsaex@tipsa.com)

