

Precision engineered,
extruded through the weave
hose built for demanding
environments



Oroflex[®]_™



**KURIYAMA
HOLDINGS**



Kuriyama Europe

Oroflex[®]

Precision engineered, extruded through the weave hose built for demanding environments



Kuriyama Europe is a leading manufacturer and distributor of rubber and thermoplastic hose systems, couplings, and firefighting equipment for industrial, commercial, and emergency applications across Europe, the Middle East, and Africa.

As part of the globally recognized **Kuriyama Group**, we offer a comprehensive range of fluid transfer solutions, produced primarily within our own group companies located worldwide. Our manufacturing arm, TIPSA (Técnicas e Ingeniería de Protección S.A.), plays a key role in delivering high-performance products tailored to the demands of international markets.

Our extensive product portfolio includes **Lay Flat hoses, mandrel-built rubber hoses, thermoplastic hoses, firefighting hoses and couplings, and fire nozzles**. We proudly distribute industry recognized brands such as **Oroflex, Ryltec, Rylflex, Rylaspir, Piranha, Accuflex, Tigerflex, Kuri Tec, Armtex, Blindex, and Viper**.

At TIPSA, we are committed to safety, quality, innovation, and customer satisfaction. Our mission is to continuously add value to the **Kuriyama Group** by delivering reliable, innovative, and competitive solutions tailored to our customers' fluid handling needs.

Solutions



Lay Flat Hose



Nozzles



Well System



Coupling



Firefighting Backpacks

Industries



Agriculture



Mining



Oil & Gas



Water Well



Water Industry

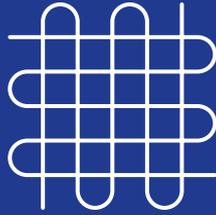
Manufactured by



Easy to pack.



Extruded through the weave.



Made in Europe.



Own rubber compound production.



Superior Flexibility:

Highly flexible design for easy handling, routing, and storage.



Enhanced Durability:

Abrasion-resistant cover and reinforced build ensure strength, kink resistance, and reliable high-pressure performance.



Wide Range of Sizes & Configurations:

Offered in multiple sizes and setups to suit diverse application requirements.

Excellent Abrasion Resistance:

Tough outer cover resists wear, extending hose life and reducing maintenance needs.



Weather Resistance:

Good resistance to UV, ozone, and extreme temperatures, making them suitable for the harsh conditions often found in agricultural environments.



High **working pressure** up to 42 bar.



Bending radius

Small bending radius 0.50m



5-year warranty, Against material defects and workmanship



Sectors:

Irrigation, mining, construction, sewage, draining systems, water bypass operations and cable sheaths.



Oroxflex[®] 10

Classic Extruded Rubber Lay Flat Hose

Specially Designed for Water Transfer

Reliable, Lightweight and Flexible

Fast Deployment and Retrieval

Oroxflex Series: The Market Leader in Rubber Lay Flat

Applications:

Designed and recommended for water transfer and general pumping duties in irrigation, mining, construction, sewage, draining systems, water bypass operations and cable sheaths.

Construction:

Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by a tough, highly resistant synthetic nitrile rubber & PVC blend, extruded through the weave and forming a single homogeneous construction without the use of glues or adhesives.

Abrasion Resistance:

The **Oroxflex 10** hose will extend the lifetime of your application when under extreme conditions, where abrasion is the main concern. Abrasion resistance > 2000 cycles.

Service Temperature Range:

-22°F (-30°C) to 176°F (80°C). Special versions for higher and lower temperatures available upon request.

Lining Properties:

- Ultimate Tensile Strength of the lining: Minimum guaranteed value of 1,500 psi (10,500kPa).
- Ultimate Elongation: 400% minimum.
- Accelerated Aging Test:

The tensile strength and ultimate elongation of the vulcanized rubber compound have been tested with oxygen at a pressure of 300psi ± 10psi (2100kPa ± 70kPa), and a temperature of 70 degrees Celsius ± 1 degree (158°F ± 18°F) for a period of 96 hours, after which the properties of the rubber are at least 60% of the original values.

Ozone Resistance:

No visible signs of cracking appear on the lining or cover when tested in accordance with ASTM D518 Procedure B, 100pphm/104°F (40°C).

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.

Lengths:

Standard 50ft (15m), 66ft (20m), 100ft (30m), 200ft (60m), 330ft (100m). Special lengths up to 660ft (200m).

Couplings:

As requested by purchaser; Camlock, Bauer, Perrot, Victaulic, Storz, etc.





Color:

Black ribbed cover is the standard. Other colors are available upon request.

Physical Properties:

Part Number	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
F550872A	30	1 ¼	1.9	0.075	28	410	85	1,230	2,250	5,000	0.26	0.18	0.50	1.64
F550883A	38	1 ½	1.9	0.075	14	200	42	600	2,950	6,500	0.30	0.20	0.70	2.30
F550894A	45	1 ¾	1.9	0.075	14	200	42	600	2,350	5,200	0.35	0.24	0.90	2.95
F550908A	52	2	1.9	0.075	14	200	42	600	3,750	8,250	0.40	0.27	1.10	3.61
F550920A	60	2 ¼	2.2	0.087	14	200	42	600	5,000	11,100	0.50	0.34	1.20	3.94
F551037A	65	2 ½	2.2	0.087	14	200	42	600	5,100	11,300	0.57	0.38	1.30	4.27
F550941A	70	2 ¾	2.3	0.091	14	200	35	500	5,200	11,500	0.58	0.39	1.35	4.43
F550952A	75	3	2.3	0.091	12	175	32	460	5,300	11,750	0.68	0.46	1.45	4.76
F552288A ⁽¹⁾	78	3	2.3	0.091	12	175	30	435	5,300	11,750	0.70	0.47	1.45	4.76
F550963A	80	3 ¼	2.3	0.091	12	175	32	460	5,900	13,050	0.70	0.47	1.46	4.79
F553010A	90	3 ½	2.3	0.091	16	230	40	580	8,400	18,500	0.83	0.56	1.48	4.86
F550985A	102	4	2.3	0.091	12	175	30	435	7,900	17,400	0.93	0.62	1.70	5.58
F552821A ⁽¹⁾	105	4	2.4	0.094	12	175	30	435	7,900	17,400	1.05	0.71	1.70	5.58
F550996A ⁽²⁾	110	4 ¼	2.5	0.098	12	175	30	435	8,900	19,600	1.10	0.74	1.80	5.91
F551026A	127	5	2.7	0.106	12	175	30	435	9,400	20,650	1.40	0.94	2.10	6.89
F551048A	152	6	2.7	0.106	12	175	30	435	16,350	36,000	1.60	1.08	2.25	7.38
F552308A ⁽¹⁾	155	6	3.0	0.118	12	175	30	435	16,350	36,000	1.90	1.28	2.25	7.38
F552357A	203	8	3.4	0.134	10	145	25	360	23,600	51,950	2.75	1.85	3.00	9.84

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 please contact your distributor or directly to **Tipsa**.

⁽¹⁾ Hoses to be assembled with Camlock couplings ⁽²⁾ Available on minimum order quantity.

Kuriyama Europe - 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



Oroflex[®] Flow

Highly Efficient Extruded Rubber Lay Flat Hose

Specially Designed for Water Transfer and as a Main

High Pressure, Lightweight and Flexible

Fast Deployment and Retrieval

Oroflex Series: The Market Leader in Rubber Lay Flat Hose



Lining Properties:

a. Ultimate Tensile Strength of the lining: Minimum guaranteed value of 1,500 psi (10,500 kPa).

b. Ultimate Elongation: 400% minimum.

c. Accelerated Aging Test:

The tensile strength and ultimate elongation of the vulcanized rubber compound have been tested with oxygen at a pressure of 300 psi +/- 10 psi (2100 kPa +/- 70 kPa), and a temperature of 70 degrees Celsius +/- 1 degree (158°F +/- 18°F) for a period of 96 hours, after which the properties of the rubber are at least 60% of the original values.

Ozone Resistance:

No visible signs of cracking appear on the lining or cover when tested in accordance with ASTM D518 Procedure B, 100pphm/104°F (40°C).

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.

Lengths:

Standard 330ft (100m) and 660ft (200m).

Couplings:

As requested by purchaser; Camlock, Bauer, Perrot, Victaulic, Storz, etc.

Applications:

Designed and recommended for water transfer and as a main feeding line in agriculture. Ideal for general pumping duties in irrigation, mining, construction, sewage, draining systems and water bypass operations.

Construction:

Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by tough, highly resistant synthetic nitrile rubber & PVC blend extruded through the weave and forming a single homogenous construction without the use of glues or adhesives.

Abrasion Resistance:

The **Oroflex Flow** hose will extend the lifetime of your application when under extreme conditions, where abrasion is the main concern. Abrasion resistance > 2000 cycles.

Service Temperature Range:

-4°F (-20°C) to 176°F (80°C). Special versions for higher and lower temperatures available upon request.





Color:

Blue cover is the standard.

Physical Properties:

Part Number	Nominal Inner Diameter		Wall Thickness		Working Pressure		Burst Pressure		Tensile Strength		Nominal Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft
F551000A	102	4	2.3	0.09	20	290	50	725	11,500	25,350	1.05	0.71
F551001A*	129	5	2.8	0.110	16	230	40	580	18,000	39,700	1.45	0.97
F551002A	152	6	3.1	0.122	16	230	40	580	14,000	30,850	1.85	1.24

* Hose to be assembled with Camlock type couplings.

The **Oroxflex Flow** hoses are only available on minimum order quantity.

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 please contact your distributor or directly to **Tipsa**.

Kuriyama Europe - 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





Oroflex[®] 20

Premium Quality Extruded Rubber Lay Flat Hose

Specially Designed as a Drag Hose and Main Feeding Line

High Abrasion Resistance Suitable for Slurry, Mining, Fracking and Dewatering Purposes

Ease of Transportation and Handling

Oroflex Series: The Market Leader in Rubber Lay Flat Hose

Applications:

Designed for heavy duty and agricultural discharge applications including dewatering, water transfer, slurry and manure spreading, irrigation, water and hydrocarbons bypass operations, compressed air applications up to 3" ID, high pressure liquid pumping, bulk powder discharge (excluding cement) and flotation booms.

Construction:

Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by a tough, highly resistant synthetic nitrile rubber & PVC blend, extruded through the weave and forming a single homogeneous construction without the use of glues or adhesives.

Abrasion Resistance:

The **Oroflex 20** hose will extend the lifetime of your application when under extreme conditions, where abrasion is the main concern. Abrasion resistance > 2000 cycles.

Service Temperature Range:

From -22°F (-30°C) to +176°F (+80°C). Special versions for higher and lower temperatures available upon request.

Lining Properties:

- Ultimate Tensile Strength of the lining: Minimum guaranteed value of 1,500 psi (10,500 kPa).
- Ultimate Elongation: 400% minimum.
- Accelerated Aging Test:
The tensile strength and ultimate elongation of the vulcanized rubber compound have been tested with oxygen at a pressure of 300psi ± 10psi (2100kPa ± 70kPa), and a temperature of 70 degrees Celsius ± 1 degree (158°F ± 18°F) for a period of 96 hours, after which the properties of the rubber are at least 60% of the original values.

Ozone Resistance:

No visible signs of cracking appear on the lining or cover when tested in accordance with ASTM D518 Procedure B, 100pphm/104°F (40°C).

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.

Lengths:

Standard 50ft (15m), 66ft (20m), 100ft (30m), 200ft (60m), 330ft (100m). Special lengths up to 660ft (200m).

Couplings:

As requested by purchaser, for liquid transfer (Camlock, Bauer, Perrot, Victaulic, Storz, etc.) as well as for compressed air (Ground Joint, Universal Air Hose Couplings, etc.).





Color:

The standard colors are yellow for diameters up to 5” and black for larger sizes. 6” & 8” are typically available also in green. Other colors

Physical Properties:

Part Number	Nominal Inner Diameter		Wall Thickness		Working Pressure - Liquid		Working Pressure - Air		Burst Pressure		Tensile Strength		Nominal Weight		Bend Radius at WP	
	mm	inch	mm	inch	bar	psi	bar	psi	bar	psi	kg	lb	kg/m	lb/ft	m	ft
F550680A	20	¾	2.0	0.079	33	480	25	360	100	1,450	1,500	3,300	0.20	0.13	0.65	2.13
F552110A	26	1	2.0	0.079	38	550	29	415	115	1,660	1,875	4,150	0.25	0.17	0.90	2.95
F552302A	38	1 ½	2.8	0.110	21	305	16	225	63	910	3,000	6,600	0.45	0.30	1.14	3.61
F552663A	45	1 ¾	3.0	0.118	21	305	16	225	63	910	3,500	7,700	0.55	0.37	1.28	4.20
F552120A	52	2	3.0	0.118	21	305	16	225	63	910	3,750	8,250	0.64	0.43	1.30	4.27
F559287A*	65	2 ½	3.0	0.118	21	300	13	185	52	750	6,000	13,200	0.70	0.47	1.35	4.43
F550760A	76	3	3.0	0.118	18	260	11	160	45	650	8,500	18,750	0.90	0.61	1.45	4.76
F552278A	102	4	3.1	0.122	21	300	-	-	52	750	13,000	28,650	1.25	0.84	1.80	5.91
F550208A	105	4	3.1	0.122	21	300	-	-	52	750	13,000	28,650	1.25	0.84	1.80	5.91
F550209A*	115	4 ½	3.1	0.122	17	245	-	-	42	605	13,000	28,650	1.49	1.00	1.80	5.91
F551021A	127	5	3.2	0.126	17	245	-	-	42	605	15,500	34,150	1.70	1.14	1.90	6.23
F550206A	129	5	3.2	0.126	17	245	-	-	42	605	15,500	34,150	1.70	1.14	1.90	6.23
F559247A	152	6	4.0	0.157	20	290	-	-	50	725	23,400	51,600	2.50	1.68	2.00	6.56
F552365A	154	6	4.0	0.157	20	290	-	-	50	725	23,400	51,600	2.50	1.68	2.00	6.56
F559250A*	178	7	4.0	0.157	16	230	-	-	40	580	30,000	66,150	2.80	1.88	2.20	7.22
F552360A	203	8	4.1	0.161	14	200	-	-	35	500	35,000	77,150	3.30	2.22	2.50	8.20
F551950A	256	10	3.9	0.154	14	200	-	-	33	480	50,000	110,250	3.95	2.70	3.00	9.84
F552352A	305	12	4.8	0.189	11	155	-	-	26	375	46,000	101,400	4.80	3.23	3.30	10.83

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 please contact your distributor or directly to **Tipsa**.

All the hoses up to 3” (76mm) are marked with dual Working Pressure rating for both liquid transfer and compressed air. In the case of compressed air, a 1:4 safety factor has been considered over the Burst Pressure and, in the case of liquid/water transfer, the safety factor considered is 1:3

*Available on minimum order quantity.

Kuriyama Europe - 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





Oproflex[®] Drag

Premium Quality Extruded
TPU Lay Flat Hose

**Specially Designed for Manure
Transfer & Travelling Irrigators**

**Superior Bend Radius
and Kink Resistance**

Extremely Low Friction Loss

**For Extreme UV and
Ozone Conditions**

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.

Lining Properties:

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

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.

Lengths:

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

Couplings:

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

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. 10 % maximum hose expansion.

Abrasion Resistance:

The **Oproflex 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.



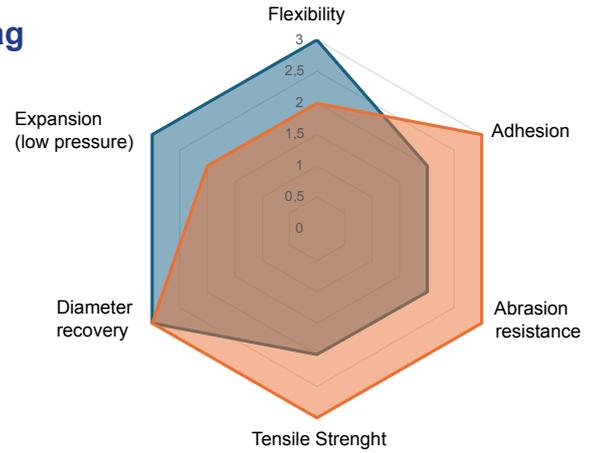


Color:

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

Drag hose Vs Drag Extreme hose

- Drag
- Drag Extreme



Physical Properties Oroflex Drag:

Part Number	OROFLEX DRAG											
	Nominal Inner Diameter		Wall Thickness		Working Pressure		Burst Pressure		Tensile Strength		Nominal Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft
F556239A*	102	4	3.9	0.154	17	250	42	600	13,100	28,900	1.45	0.97
F556240A*	115	4 ½	3.9	0.154	14	200	35	500	18,000	39,700	1.60	1.08
F556241A	127	5	3.9	0.154	14	200	35	500	18,000	39,700	1.70	1.14
F556238A*	140	5 ½	3.9	0.154	12	175	30	435	20,000	44,100	2.00	1.34
F556266A	152	6	4.4	0.173	12	175	30	435	29,000	63,900	2.30	1.55
F556261A*	178	7	4.6	0.181	11	160	28	400	33,600	74,100	2.90	1.95

*Sizes available on minimum order quantity.

Physical Properties Oroflex Drag Extreme:

*Reinforced version designed for highly abrasive environments.

Part Number	OROFLEX DRAG EXTREME (1)											
	Nominal Inner Diameter		Wall Thickness		Working Pressure		Burst Pressure		Tensile Strength		Nominal Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft
F554239A	102	4	3.9	0.154	17	250	42	600	13,100	28,900	1.50	1.01
F554242A	115	4 ½	3.9	0.154	14	200	35	500	18,000	39,700	1.60	1.08
F556243A	127	5	3.9	0.154	14	200	35	500	18,000	39,700	1.70	1.14
F556260A	152	6	4.6	0.181	12	175	30	435	42,000	92,600	2.50	1.68

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.

Kuriyama Europe - 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





Oroflex[®] Bandama

Robust Extruded Rubber
Lay Flat Hose

**Specially Designed for Travelling
Irrigators**

**Superior Bend Radius and Kink
Resistance**

Extremely Low Friction Loss

**For Extreme UV and Ozone
Conditions**

Applications:

Designed and recommended for travelling irrigators, lateral pivots, heavy duty dredge discharge, slurry, sludge and liquid manure pumping and any application where high resistance to abrasion is required.

Construction:

Made from circularly woven 100% high tenacity synthetic yarn, completely protected and locked-in by a tough, highly resistant synthetic nitrile rubber & PVC blend, extruded through the weave and forming a single homogeneous construction without the use of glues or adhesives.

Abrasion Resistance:

The **Oroflex Bandama** hose will extend the lifetime of your application when under extreme conditions, where abrasion is the main concern. Abrasion resistance > 2000 cycles.

Service Temperature Range:

-4°F (-20°C) to 176°F (80°C)

Lining Properties:

- Ultimate Tensile Strength of the lining: Minimum guaranteed value of 1,500psi (10,500kPa).
- Ultimate Elongation: 400% minimum.
- Accelerated Aging Test:

The tensile strength and ultimate elongation of the vulcanized rubber compound have been tested with oxygen at a pressure of 300psi ± 10psi (2100kPa ± 70kPa), and a temperature of 70 degrees Celsius ± 1 degree (158°F ± 18°F) for a period of 96 hours, after which the properties of the rubber are at least 60% of the original values.

Ozone Resistance:

No visible signs of cracking appear on the lining or cover when tested in accordance with ASTM D518 Procedure B, 100pphm/104°F (40°C).

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.

Lengths:

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

Couplings:

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





Color:

Black ribbed cover is the standard.

Physical Properties:

Series Number	Nom. 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
F552164A*	65	2 ½	3.0	0.118	20	290	50	725	5,320	11,729	0.85	0.57	1.20	3.94
F550726A	76	3	3.1	0.122	18	260	45	650	8,380	18,475	1.00	0.67	1.25	4.10
F550748A	90	3 ½	3.3	0.130	16	230	40	580	9,300	20,503	1.15	0.77	1.30	4.27
F551285A	102	4	3.3	0.130	14	200	35	505	10,000	22,046	1.40	0.94	1.35	4.43
F551300A	115	4 ½	3.4	0.134	12	175	30	435	11,500	25,353	1.60	1.08	1.50	4.92
F551296A	127	5	3.5	0.138	12	175	30	435	12,320	27,161	1.80	1.21	1.60	5.25
F552211A	152	6	3.6	0.142	12	175	30	435	15,000	33,069	2.10	1.41	1.70	5.58

* Available on minimum order quantity.

Series Number	Nom. Inner Diameter		Bend Radius													
			at 3 bar /43 psi		at 4 bar /58 psi		at 6 bar /87 psi		at 8 bar /116 psi		at 10 bar /145 psi		at 12 bar /174 psi		at 14 bar /203 psi	
	mm	inch	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft	m	ft
F552164A	65	2 ½	0.69	2.25	0.84	2.74	0.96	3.13	1.00	3.28	1.05	3.44	-	-	1.10	3.61
F550726A	76	3	0.82	2.67	0.94	3.08	1.00	3.28	1.08	3.53	1.08	3.54	-	-	1.13	3.71
F550748A	90	3 ½	0.93	3.05	0.95	3.12	1.00	3.26	1.13	3.71	1.13	3.71	-	-	1.25	4.10
F551285A	102	4	0.97	3.17	1.09	3.58	1.20	3.94	1.25	4.10	1.33	4.36	-	-	1.35	4.43
F551300A	115	4 ½	1.10	3.61	1.15	3.77	1.24	4.05	1.28	4.18	1.44	4.71	1.50	4.92	-	-
F551296A	127	5	1.15	3.77	1.20	3.94	1.31	4.28	1.43	4.69	1.50	4.92	1.60	5.25	-	-
F552211A	152	6	1.50	4.92	1.53	5.00	1.59	5.20	1.63	5.35	1.65	5.40	1.70	5.58	-	-

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 please contact your distributor or directly to **Tipsa**.

Kuriyama Europe - 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





Oproflex[®] Offshore

Extremely Robust Extruded TPU Fuel & Oil Discharge Lay Flat Hose

**Specially Designed for Heavy Duty
Fuel & Oil Transport in Marine & Offshore
environments**

**Completely Antistatic: 2 grounding wires
totally encapsulated within the external
black straps to prevent static build up**

**Low Weight & Flexible for Fast
Deployment and Retrieval**

**Blue and Black Colored Options Fully
Approved for Potable Water - NSF/ANSI/
CAN Standard 61 Certified**

Applications:

Designed and recommended for fuel and oil discharge operations in refineries, bunkering, offshore industry, chemical plants, and military installations. Ideal for brackish and seawater transfer, brine transfer, ship-to-shore unloading, ship-to-ship refueling, bulk fuel discharge/loading, tank-to-tank transfer, offshore rig supply, drill water, drilling muds, cement, bulk powder, high pressure bypass, and drinking water transport (NSF approved versions).

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 homogeneous construction without the use of glues or adhesives. It includes 2 electrical grounding wires totally encapsulated within the external black straps along the hose to help prevent static build up. The construction of the hose 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 15% maximum hose expansion.

Abrasion Resistance:

The **Oproflex Offshore** 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:

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

Lining Properties:

- Ultimate Tensile Strength of the lining: Minimum guaranteed value of 5,800psi (40MPa).
- Ultimate Elongation: 500% minimum.

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.

Lengths:

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

Couplings:

As requested by purchaser; crimped ferrule couplings, segmented couplings, conical couplings, Camlock, Victaulic, Storz, etc. The hose must be properly connected to conductive couplings and properly grounded when transferring fuels in order to prevent electric build up. To do so, the 2 electric wires woven into the body of the hose need to be electrically bonded to the couplings.





Color:

High visibility orange cover is the standard. Blue (NSF certified version), black (NSF certified version), and NATO green options are also available upon request and minimum order quantity.

Electrical Performance:

The **Oroflex Offshore** hose contains 2 electric wires embedded within the hose to prevent the build up of static electricity. Each static wire has a 0.5mm² cross section and is totally encapsulated within a black strap along the hose. This construction makes the **Oroflex Offshore** hose highly conductive and yet flexible, with a much lower electric resistance than the 1.5ohm/ft (4.9ohm/m) stated in the MIL-PRF-370K/2017 standard. *

* The 1 1/4" hose has only 1 electrical wire.

Physical Properties:

Part Number	Nominal Inner Diameter		Wall Thickness		Working Pressure * Fuel Oil		Working Pressure * Other Fluids		Burst Pressure		Tensile Strength		Nominal Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	bar	psi	kg	lb	kg/m	lb/ft
F556270A	32	1 ¼	2.2	0.087	20	290	40	580	80	1,160	3,000	6,600	0.29	0.19
F556271A	40	1 ½	2.2	0.087	18	260	35	508	70	1,015	3,500	7,700	0.35	0.24
F556272A	52	2	2.7	0.106	16	230	31	450	62	900	5,500	12,150	0.59	0.40
F556273A	65	2 ½	3.4	0.134	15	218	29	420	58	840	6,000	13,250	0.87	0.58
F556274A	76	3	3.5	0.138	15	218	29	420	58	840	8,000	17,650	1.02	0.68
F556150A	102	4	3.5	0.138	15	218	29	420	58	840	12,000	26,450	1.38	0.93
F556275A	127	5	4.3	0.169	15	218	29	420	58	840	18,000	39,700	1.94	1.30
F556276A	152	6	4.5	0.177	15	218	29	420	58	840	29,000	63,950	2.63	1.77
F556152A	203	8	4.3	0.169	11	160	21	300	42	600	35,000	77,200	3.30	2.22

* The maximum working pressure of the assembly is given either by the hose or the coupling, whichever is lower.

All these part numbers refer to the hose in orange color.

The **Oroflex Offshore** hoses are only available on minimum order quantity.

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. Please contact **Tipsa** or your distributor for more information regarding diameter tolerance.

The blue colored and black colored versions of the **Oroflex Offshore** hose are fully approved for potable water. NSF (National Sanitation Foundation) certifies that these versions of the **Oroflex Offshore** hose conform to the requirements of NSF/ANSI/CAN Standard 61 - Drinking Water System Components - Health Effects.

Only products bearing the NSF Mark are Certified.



Do not use this product in applications that require an electrically non-conductive hose.

Kuriyama Europe - 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





Oproflex[®] Oil

Extruded TPU Fuel & Oil Discharge Lay Flat Hose

Specially Designed for Fuel & Oil Transport

Premium & Flexible Leak Free Hose for Extreme UV and Ozone Conditions

Completely Antistatic: 4 grounding wires to help prevent static build up

The 2", 3", 4", and 6" Hose Sizes Comply with MIL - PRF - 370 Type C for Military Use

Applications:

Designed and recommended for fuel and oil discharge operations in refineries, maritime industry, chemical plants, and military installations. Ideal for brackish and seawater transfer, ship-to-shore unloading, ship-to-ship refuelling, bulk fuel discharge/loading, tank-to-tank transfer, aircraft refuelling, and home fuel delivery.

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 homogeneous construction without the use of glues or adhesives. It includes 4 electrical wires protected with a braided sheet of polyester to help prevent static build up. The construction of the hose 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.

Abrasion Resistance:

The **Oproflex Oil** 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:

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

Lining Properties:

- a. Ultimate Tensile Strength of the lining: Minimum guaranteed value of 5,800psi (40MPa).
- b. Ultimate Elongation: 500% minimum.

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.

Lengths:

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

Couplings:

As requested by purchaser; Camlock, Victaulic, Storz, etc. This hose must be properly connected to conductive couplings and properly grounded when transferring fuels in order to prevent electric build up. To do so, the 4 electric wires woven into the body of the hose need to be electrically bonded to the couplings.





Color:

Tan cover is the standard. Other colors available upon request (NATO green also available).

Physical Properties:

Part Number	Nominal Inner Diameter		Wall Thickness		Working Pressure *		Burst Pressure		Tensile Strength		Nominal Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft
F558504A	52	2	1.9	0.08	10.5	150	42	600	5,200	11,500	0.39	0.26
F558506A	65	2 ½	2.2	0.09	10.5	150	42	600	5,200	11,500	0.52	0.35
F558509A	76	3	2.3	0.09	10.5	150	42	600	7,400	16,000	0.64	0.43
F558511A	90	3 ½	2.6	0.10	10.5	150	42	600	6,800	15,000	0.85	0.57
F558510A	102	4	2.7	0.11	10.5	150	42	600	9,400	20,000	1.00	0.67
F558512A	152	6	3.2	0.13	10.5	150	42	600	17,700	39,000	1.75	1.18

* Maximum working pressure for fuel oil (4:1 safety factor). The maximum working pressure of the assembly is given either by the hose or the coupling, whichever is lower.

The **Oroflex Oil** hoses are only available on minimum order quantity.

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. Please contact TIPSA or your distributor for more information regarding diameter tolerance.



Kuriyama Europe - 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





Oroflex[®] Terrain

High Flow Extruded TPU Lay Flat Discharge Hose

**Specially Designed for Frac Solution
& Fresh Water Transfer**

**Premium & Flexible Leak Free Hose
with Extremely Low Friction Loss**

Superior Wear & Tear Resistance

**For Extreme UV and Ozone
Conditions**

Applications:

Designed and recommended as a frac solution and fresh water transfer hose, liquid manure mainline drag hose, irrigation feeding line, sludge injection, dewatering, contaminated liquids/fertilizers, drinking water transport, mining, 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 homogeneous 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.

Abrasion Resistance:

The **Oroflex Terrain** 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.

Lining Properties:

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

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.

Lengths:

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

Couplings:

As requested by purchaser; Victaulic, Storz, etc.





Color:

Black cover is the standard. Other colors are available upon request.

Physical Properties:

Part Number	Nominal Inner Diameter		Wall Thickness		Working Pressure		Burst Pressure		Tensile Strength		Nominal Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft
F556247A ⁽¹⁾	102	4	3.5	0.138	22	320	55	800	12,000	26,450	1.34	0.90
F556248A	152	6	4.5	0.177	22	320	55	800	29,000	63,950	2.48	1.66
F556249A	203	8	4.3	0.169	14	200	42	600	35,000	77,200	3.30	2.22
F556250A	254	10	4.5	0.177	14	200	35	500	45,000	99,200	4.10	2.80
F556251A ⁽¹⁾	305	12	4.7	0.185	12	175	30	435	55,000	121,300	5.10	3.43
F556258A	305	12	5.0	0.197	14	200	35	500	70,000	154,300	5.28	3.55
F556254A ⁽¹⁾	406	16	5.2	0.205	12	175	28	400	80,000	176,400	7.60	5.11

⁽¹⁾ Sizes available on minimum order quantities.

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 please contact your distributor or directly to **Tipsa**.

The **Oroflex Terrain** hose can be specially manufactured and certified upon request as per the NSF/ANSI/CAN Standard 61 - Drinking Water Approval.

Only products bearing the NSF Mark are Certified.



Kuriyama Europe - 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



Oroflex[®] Aqua

Extruded TPU Potable Water Lay Flat Discharge Hose

**Specially Designed for Drinking Water
Transfer in Long Lines & Emergency
Delivery Operations**

**Total Corrosion Resistance and Minimum
Snaking when Submitted to High Pressures**

**Premium & Flexible Leak Free Hose
for Extreme**

**Fully Approved for Potable Water -
NSF/ANSI/CAN Standard 61 Certified**

Applications:

Designed and recommended as a drinking water transfer hose in long lines and emergency delivery operations, liquid and powder food transfer, ship/boat drinking-water supply, sewer and water treatment, pipeline by-pass and waste transfer.

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 homogeneous 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.

Abrasion Resistance:

The **Oroflex Aqua** 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:

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

Lining Properties:

- Ultimate Tensile Strength of the lining: Minimum guaranteed value of 5,800 psi (40 MPa).
- Ultimate Elongation: 500% minimum.

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.

Lengths:

Standard lengths in 660ft (200m). Also available in 200ft (61m) for 2" and 3" diameters and 330ft (100m) for 4" and 5" diameters. Longer lengths may be available upon request.

Couplings:

As requested by purchaser; Bauer, Victaulic, Storz, etc.





Color:

Blue cover is the standard. Other colors are available upon request.

Physical Properties:

Part Number	Nominal Inner Diameter		Wall Thickness		Working Pressure		Burst Pressure		Tensile Strength		Nominal Weight	
	mm	inch	mm	inch	bar	psi	bar	psi	kg	lb	kg/m	lb/ft
F556303A*	25	1	1.8	0.071	17	240	50	725	2,100	4,600	0.17	0.11
F556308A*	40	1 ½	2.0	0.079	21	300	63	900	4,800	10,600	0.35	0.24
F556300A	52	2	2.0	0.080	17	240	42	600	5,200	11,500	0.39	0.26
F556301A*	65	2 ½	2.2	0.087	17	240	42	600	5,200	11,500	0.52	0.35
F556302A	76	3	2.3	0.091	17	240	42	600	7,400	16,300	0.64	0.43
F556304A	102	4	2.7	0.106	17	240	42	600	9,400	20,700	1.00	0.67
F556307A	152	6	3.2	0.126	17	240	42	600	17,700	39,000	1.75	1.18
F556309A *	203	8	4.3	0.169	14	200	42	600	35,000	77,200	3.30	2.22
F556310A *	254	10	4.5	0.177	14	200	35	500	45,000	99,200	4.10	2.80
F556311A *	305	12	4.7	0.185	12	175	30	435	55,000	121,300	5.10	3.43
F556312A *	305	12	5.0	0.197	14	200	34	500	70,000	154,300	5.28	3.55
F556313A *	406	16	5.2	0.205	12	175	28	400	80,000	176,400	7.60	5.11

* Sizes available upon minimum order

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 please contact your distributor or directly to **Tipsa**.

The **Oroflex Aqua** hose is fully approved for potable water. NSF (National Sanitation Foundation) certifies that the **Oroflex Aqua** hose conforms to the requirements of NSF/ANSI/CAN Standard 61 - Drinking Water System Components - Health Effects.

Only products bearing the NSF Mark are Certified.



Kuriyama Europe - 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



Oroflex[®] Well System

Premium Quality Flexible Well Riser System

Formerly known as RYLBRUN System

Specially Designed for Ground Water Extraction and Well Monitoring Operations

**Fast Installation and Retrieval
Total Corrosion Resistance**

Superior Energy-Saving and Cost Effective Solution

**Fully approved for potable water - NSF/
ANSI/CAN Standard 61 Certified**



Service Temperature Range:

-40°F (-40°C) to 122°F (50°C).

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. It is strongly recommended to retrieve the hose from the well when chlorinating water.

Maximum Elongation:

2% under operating conditions.

Maximum Diametral Swell:

10-15% under operating conditions.

Lengths:

Lengths available up to 1,640ft (500 m) reels for diameters from 1 1/4" to 4" and up to 980ft

(300 m) reels from 5" to 6" diameters. Other lengths may be available upon request.

Applications:

Designed and recommended for ground water extraction and well monitoring operations in different industries such as agriculture, water supply, mining and quarry dewatering, marine and offshore industry, and in the geothermal industry. The **Oroflex Well System** offers many performance advantages and major cost savings over conventional steel, PVC, glass fiber and PE pipes, making it the perfect partner for well installers. Ideal for potable and mineral groundwater extraction, offering fast pump service and total corrosion, microbiological and scaling resistance. Proven performance over 40 years in over tens of thousands of installations.

Hose 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.





Color:

Blue cover is the standard. Other colors are available upon request.

Recommended Operating PH Range:

4 to 9 below 86°F (30°C) and 5 to 9 from 86°F to 122°F (from 30°C to 50°C).

Hose Part Number	Nominal Inner Diameter		Hose Tensile Strength		Hose Nominal Weight	
	mm	inch	kg	lb	kg/m	lb/ft
F559299A	1 ¼	32	6,600	3,000	0.19	0.29
F558028A	1 ½	40	7,700	3,500	0.24	0.35
F559364A	2	52	12,150	5,500	0.40	0.59
F558030A	2 ½	65	13,250	6,000	0.58	0.87
F558032A	3	76	17,650	8,000	0.68	1.02
F558063A	4	102	26,450	12,000	0.93	1.38
F558070A	5	127	39,700	18,000	1.30	1.94
F558075A	6	152	63,950	29,000	1.77	2.63
F558076A	8	203	77,200	35,000	2.22	3.30

The **Orox well** hose is fully approved for potable water NSF (National Sanitation Foundation) certifies that the **Orox well** hose conforms to the requirements of NSF/ANSI/ CAN Standard 61 - Drinking Water System Components - Health Effects.

Physical Properties:

Nominal Inner Diameter		Maximum Working Pressure		Burst Pressure		Maximum Depth		Max. Recom. Load *		Max. Recom. Flow	
inch	mm	psi	bar	psi	bar	ft	m	lb	kg	gpm (US)	lpm
1 ¼	32	505	35	1,160	80	990**	300**	1,540	700	50	200
1 ½	40	435	30	1,015	70	850**	260**	1,540	700	70	270
2	52	435	30	900	62	850**	260**	3,530	1,600	130	500
2 ½	65	435	30	840	58	850**	260**	4,850	2,200	210	800
3	76	435	30	840	58	850**	260**	6,170	2,800	320	1,200
4	102	435	30	840	58	850**	260**	10,580	4,800	530	2,000
5	127	375	26	840	58	850**	260**	13,230	6,000	790	3,000
6	152	375	26	840	58	850**	260**	17,640	8,000	1,190	4,500
8	203	230	16	600	42	500	150	25,570	11,600	2,110	8,000

(*) The maximum recommended load includes 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.



Kuriyama Europe - 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



The Couplings:

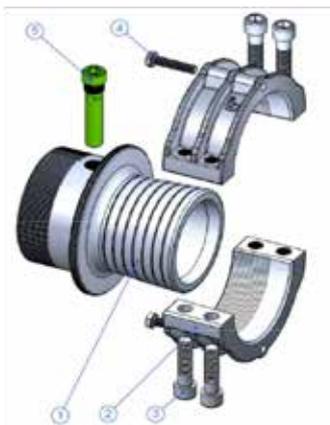
A complete range of specially designed high security 316 Stainless Steel couplings is available.



AISI 316 Stainless Steel Expansion Coupling - Small Size							
Coupling Part Number	Thread	Nominal Inner Diameter		Maximum Diameter		Nominal Weight	
		inch	mm	inch	mm	lb	kg
C653058	NPT	1 ¼	32	2.20	56	0.55	0.25
C653200	GAS						



Reusable field-fittable AISI 316 Stainless Steel Conical Couplings								
Coupling Part Number	Emptying Device	Thread	Nominal Inner Diameter		Maximum Diameter		Nominal Weight	
			inch	mm	inch	mm	lb	kg
C655120	-	NPT	1 ¼	32	2.60	66	1.83	0.83
C652995	-	GAS						
C654899	-	NPT	1 ½	40	2.76	70	2.25	1.02
C654898	yes							
C655013	-	GAS	1 ½	40	2.76	70	2.25	1.02
C655014	yes							
C650089	-	NPT	2	51	3.94	100	5.29	2.40
C655005	yes							
C652990	-	GAS	2	51	3.94	100	5.29	2.40
C655034	yes							
*	-	NPT	2 ½	65	4.25	108	6.17	2,8
*	yes							
C602505	Both options	GAS	3	76	5.12	130	13.67	6.20
C650069	-	NPT						
C650100	yes	GAS	3	76	5.12	130	13.67	6.20
C652300	-							
C655011	yes	NPT	4	102	6.50	165	21.38	9.70
C654827	-							
C654826	yes	GAS	4	102	6.50	165	21.38	9.70
C654823	-							
C654822	yes	NPT	5	127	7.72	196	29.98	13.60
C652341	-							
C652353	yes	GAS	5	127	7.72	196	29.98	13.60
C652355	-							
C655023	yes	NPT	6	152	8.94	227	44.31	20.10
C652362	-							
C652349	yes	GAS	6	152	8.94	227	44.31	20.10
C652364	-							
C652363	yes	NPT	8	203	10.63	270	105.82	48.00
C655144	-							
C655143	yes							



- 1-Coupling shank
- 2-Clamp
- 3-Allen screws (x4)
- 4-Hexagonal jacking screws (x2)
- 5-Draining fuse (x1)

* Please check availability



Other Accessories:



Coupling Diameter		Stainless Steel Fuse Code AISI 316	Plug Part Number	Centering Segment Part Number	Type of segment	Segment units
mm	inch					
40	1 ½	C650000	-	-	-	-
52	2	C650002	-	C654202	1 (small bow height)	3
65	2 ½	*	-	C654202	1 (small bow height)	3
76	3	C650003	-	C654202	1 (small bow height)	3
102	4	C651497SS	C651498SS	C654203	2 (medium bow height)	3
127	5	C651507SS	C653051SS	C654203	2 (medium bow height)	4
152	6	C651507SS	C653051SS	C654203 - Option 1	2 (medium bow height)	4
				C654206 - Option 2	3 (large bow height)	3
203	8	C652325SS	-	C654206	3 (large bow height)	4

Fully adjustable centralizers with no pins, bolts, or welding. Easy and rapid on-site assembly with 3 or 4 lightweight segments depending on the hose diameter.

*Check availability



Coupling Diameter		Transparent PU Strap Part Number	A316 Stainless Steel Buckle Part Number	White Polyamide Washer Part Number	UNEX Black Flange Part Number
inch	mm				
1 ¼	32	-	-	-	-
1 ½	40	-	-	-	-
2	52	C654743	C654810	C654401	C655096
2 ½	65	C654743		-	-
3	76	C654744		-	-
4	102	C654745		-	-
5	127	C654746		-	-
6	152	C654747		-	-
				-	-

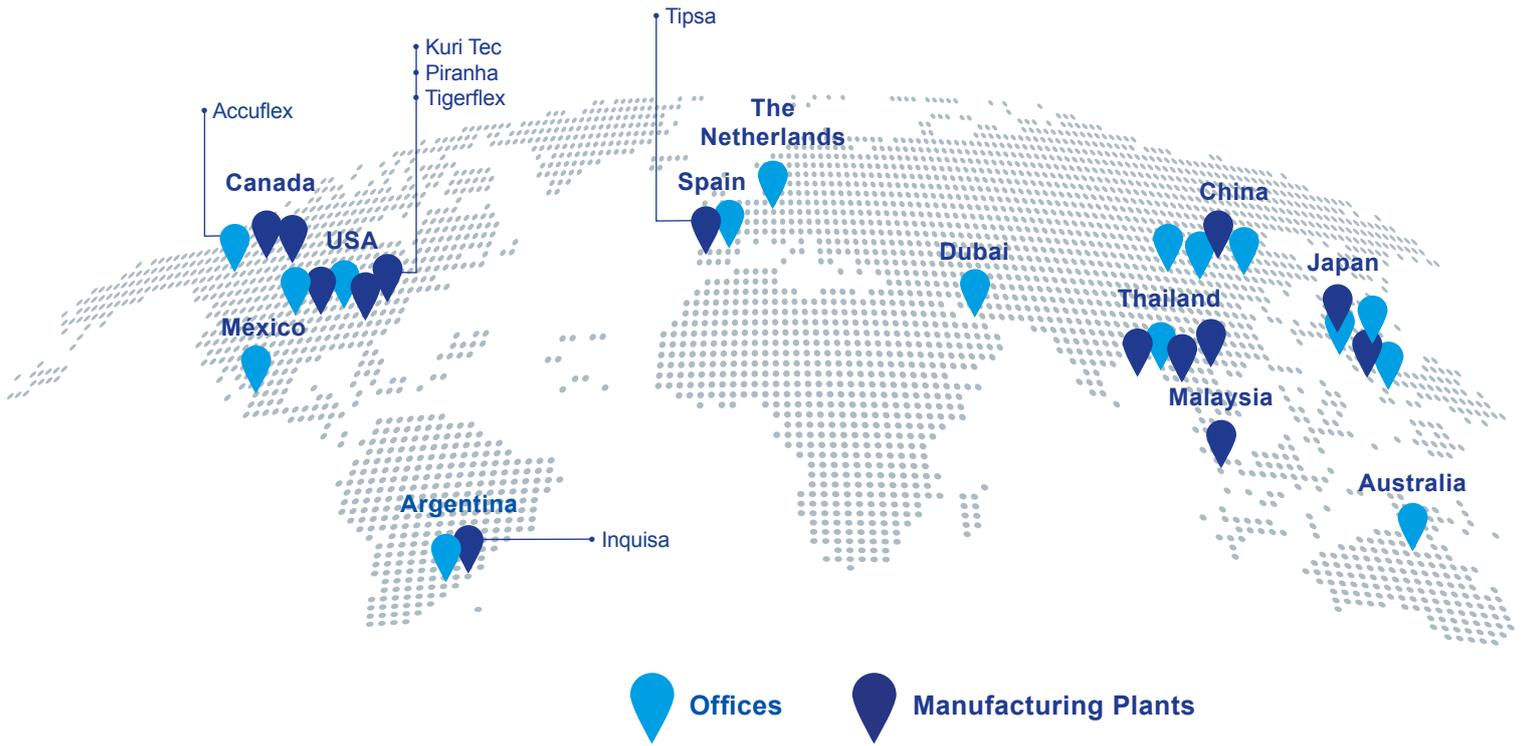
(1) Ideal for fastening the centering devices and heavy power cables to the well hose.

(2) Ideal for fastening power cables typically lighter than 2.70 lb/ft (4kg/m) to the well.



Coupling Diameter		Torpedo (Plumb) Part Number	Mounting Clamps Set Part Number	Mounting Roller Part Number	Dimensions
inch	mm				
1 ¼	32	C654340	C654310	C654110C	29.5 x 16.5 x 15.7 inch 750 x 420 x 400 mm
1 ½	40				
2	52	C654350	C654320	C654100C	59 x 33 x 31.5 inch 1500 x 840 x 800 mm
2 ½	65	C654360			
3	76	C654370	C654315	C654100C	59 x 33 x 31.5 inch 1500 x 840 x 800 mm
4	102	C654380			
5	127	C654380	C654315	C654100C	59 x 33 x 31.5 inch 1500 x 840 x 800 mm
6	152				
203	8	-	-	-	-





www.tipsa.com - www.kuriyama.eu
 e-mail: sales@kuriyama.eu - info@tipsa.com

