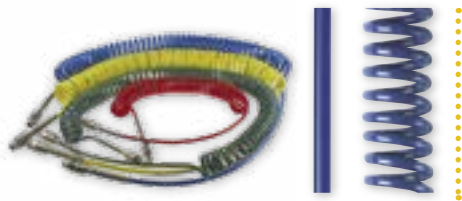


PU Recoil Tubing



The PU recoil tubing offers an alternative to reels thanks to the remanence of the coil shape given to the PU tube. Its flexibility allows easy handling.

Legris Ø metric: 4 to 12 mm
Rectuflex Ø metric: 8 to 15 mm

Legris PU Recoil Tubing

Technical Characteristics

- **Compatible Fluids:** Compressed air
- **Working Pressure:** 0 to 10 bar
- **Working Temperature:** -20°C to +70°C (tubing assembled)
- **Component Materials:** PU ester: 52 Shore D
PU ether: 46 Shore D

Reliable performance is dependent upon the type of fluid conveyed and fittings being used.

Advantages

- 2 grades of materials: PU ester and PU ether
- With or without assembled fitting
- Self-retractable due to the shape memory of the coils
- Protective spring to maintain tube integrity
- 3 colors for circuit identification

Regulations

Industrial:

- **RoHS**
- **REACH**
- **PED**

Rectus PU Recoil Tubing: Rectuflex

Technical Characteristics

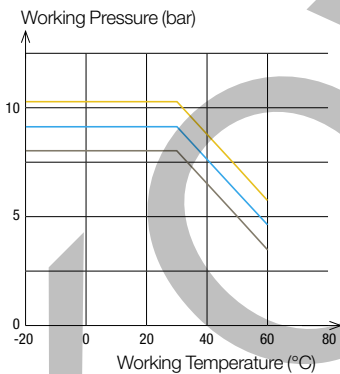
- **Compatible fluids:** Compressed air, Lubrification grease/oil, Gasoline, Hydraulics, Vacuum, Chemicals (on request), Food and Beverage (on request)
- **Working Pressure:** 10 bar
- **Working Temperature:** -40°C up to +75°C
-20°C up to +70°C (tubing assembled)
- **Component materials:** Nycoil Polyurethane

Advantages

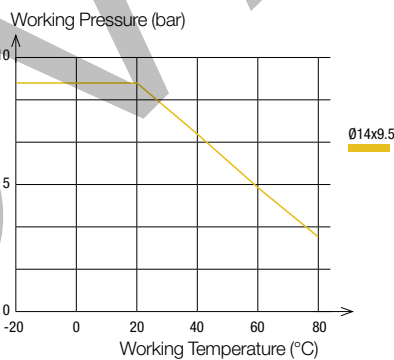
- Lightweight and extremely durable hose
- Low pressure drop
- High abrasion resistance
- Very small bending radius and tight coil diameter
- Superior elasticity and coil memory

Performance of Legris PU Recoil Tubing

PU Ester Recoil Tubing



PU Ether Recoil Tubing




To calculate burst pressure, the values in these graphs should be multiplied by 3.

Tube O.D.	Tube I.D.	Tube O.D. Tolerance
8 mm	2.5 to 5.5 mm	+0.10 / -0.10
10 to 12 mm	7 to 8 mm	+0.15 / -0.15




PU../030 RECTUFLEX - Polyurethane(PU) assembled with straight extensions 3 m, Male BSPP Fitting

ØD ext.	ØD int.		O.D. of Coil
8	5	PU08/030/DV	40
9.5	6.3	PU10/030/DV	60
12	8	PU12/030/DV	80
15	9.5	PU15/030/DV	110

Completely assembled with straight extensions 508 mm and 127mm

PU../060 RECTUFLEX - Polyurethane (PU) assembled with straight extensions 6 m, Male BSPP Fitting

ØD ext.	ØD int.	C		O.D. of Coil
8	5	G1/4	PU08/060/DV	40
9.5	6.3	G1/4	PU10/060/DV	60
12	8	G3/8	PU12/060/DV	80
15	9.5	G3/8	PU15/060/DV	110

Completely assembled with straight extensions 508 mm and 127mm

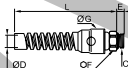
PU../075 RECTUFLEX - Polyurethane (PU) assembled with straight extensions 7.5 m, Male BSPP Fitting

ØD ext.	ØD int.	C		O.D. of Coil
8	5	G1/4	PU08/075/DV	40
9.5	6.3	G1/4	PU10/075/DV	60
12	8	G3/8	PU12/075/DV	80
15	9.5	G3/8	PU15/075/DV	110

Completely assembled with straight extensions 508 mm and 127mm

0694 Push-In Fitting with Protection Spring, Male BSPP Thread

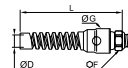
Nickel-plated Brass, NBR




ØD	C		E	F	G	L	Kg
8	G1/4	0694 08 13	6.5	16	24	104.5	0.067
10	G1/4	0694 10 13	6.5	18	24	106.5	0.062
12	G3/8	0694 12 17	7.5	20	29.5	126	0.080

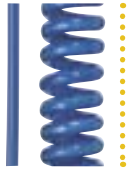
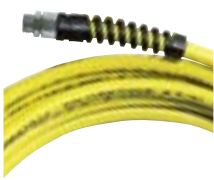
0695 Push-In Fitting with Protection Spring, Male BSPT Thread

Nickel-plated Brass, NBR



ØD	C		F	G	L	Kg
8	R1/4	0695 08 13	14	24	104.5	0.055
10	R1/4	0695 10 13	18	24	106.5	0.063
12	R3/8	0695 12 17	20	29.5	126	0.090

Braided PU Hose



Reinforced by a braid that provides durability and torsion resistance, the braided PVC hose also retains the attributes of a recoil PU tubing.

Legris Ø inch: 1/4" to 5/16"
Superbraid Ø metric: 9.5 to 12 mm

Legris Braided PU Recoil Hose

Technical Characteristics

- **Compatible Fluids:** Compressed air
Other fluids: please consult us
- **Working Pressure:** 0 to 15 bar
- **Working Temperature:** -40°C to +75°C
- **Component Materials:** Polyurethane (85 shore A)

Reliable performance is dependent upon the type of fluid conveyed and fittings being used.

Advantages

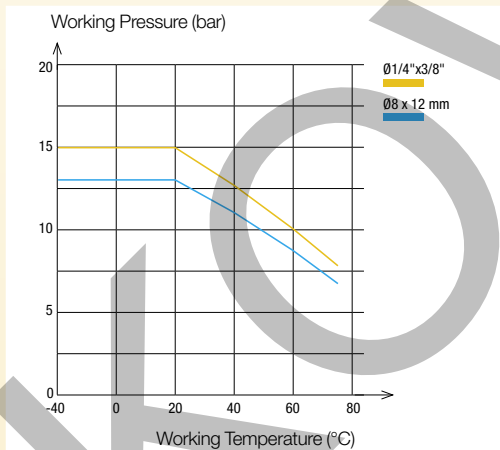
- 3 lengths available: 3 m, 6 m and 7.5 m
- Mechanical resistance: abrasion, torsion and crushing
- Remanence of the coils combined with the flexibility of the tube

Regulations

Industrial:

- PED
- REACH
- RoHS

Tubing Performance of Braided PU Recoil Hose



To calculate burst pressure, the values in this graph should be multiplied by 4.

Hose O.D.	Hose I.D.	Hose I.D. Tolerance
3/8" 12 mm	1/4" 8 mm	+/- 0.005"

Connected to Parker Legris push-in fittings, the calibration of PU tubing ensures perfect sealing.

Rectus Ultra Lite Superbraid

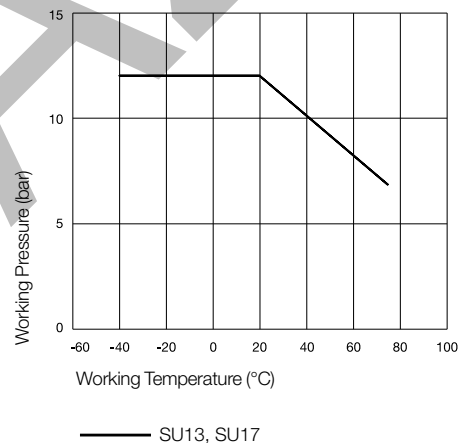
Technical Characteristics

- **Working Pressure:** 0 to 12 bar
- **Working Temperature:** -40°C to +75°C
- **Component Materials:** Polyurethane



Advantages

- Highly kinking resistant, virtually undamaged by twisting or crushing
- Extremely flexible
- Lighter than Superbraid Hose
- 6 to 10 times better than rubber or polyamide

Tubing Performance of Ultra Lite Superbraid





PG../30 SUPERBRAID - Polyurethane (PU) Coiled Hoses with fabric lining 3 m, Male BSPP Fitting

ØD ext.	ØD int.	C			Total Closed Length	O.D. of Coil	Kg
3/8	1/4	G1/4	PG10/030/DV			42	
12	8	G3/8	PG12/030/DV	1445U12E04 17	880	55	0.300



fully assembled with 2x nickel-plated, swivel screw connections

PG../60 SUPERBRAID - Polyurethane (PU) Coiled Hoses with fabric lining 6 m, Male BSPP Fitting

ØD ext.	ØD int.	C			Total Closed Length	O.D. of Coil	Kg
3/8	1/4	G1/4	PG10/060/DV		1140	42	0.420
12	8	G3/8	PG12/060/DV	1442U12E04 17	1160	55	0.600

fully assembled with 2x nickel-plated, swivel screw connections

PG../75 SUPERBRAID - Polyurethane (PU) Coiled Hoses with fabric lining 7.5 m, Male BSPP Fitting

ØD ext.	ØD int.	C			Total Closed Length	O.D. of Coil	Kg
3/8	1/4	G1/4	PG10/075/DV		1275	42	0.525
12	8	G3/8	PG12/075/DV	1447U12E04 17	1300	55	0.750

fully assembled with 2x nickel-plated, swivel screw connections

SU../25 ULTRA-LITE SUPERBRAID - Polyurethane (PU) Straight Hose 25 m

ØD ext.	ØD int.	
13	9.5	SU13/025/05
17.4	12.7	SU17/025/05