

PU Recoil Tubing

With its small coil diameter and good impact resistance, this polyurethane recoil tubing is perfect for installations requiring **flexibility** in confined spaces. Good resistance to shock and abrasion, together with a design integrating straight ends, allow for **easy and safe operation** of pneumatic equipment.

Product Advantages

Excellent Mechanical Properties

- Excellent coil memory
- Abrasion-resistant
- Perfect for rapid cycling applications
- Consistent tensile strength
- Optimum longevity
- Low pressure drop
- Lightweight with plastic protection spring
- Silicone-free

Comprehensive Range

- Available in 2 materials: PU ester and PU ether
- With or without pre-assembled fittings
- Pre-assembled plastic or metal protection springs to prevent damage to equipment and tubing



Applications

- Workshops
- Tooling
- Pneumatics
- Motion Technologies
- Robotics
- Industrial Machinery

Technical Characteristics

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

Regulations

Industrial
 NF E49-101
 DI: 2002/95/EC (RoHS), 2011/65/EC
 DI: 97/23/EC (PED)
 RG: 1907/2006 (REACH)

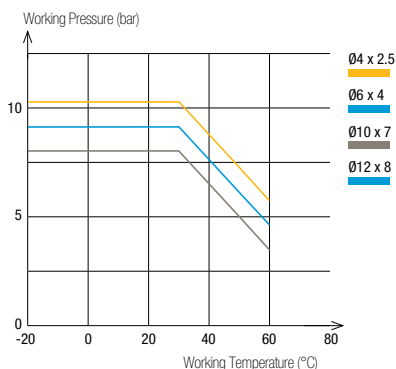
Packaging

Plastic bags: from 2 m to 7.5 m

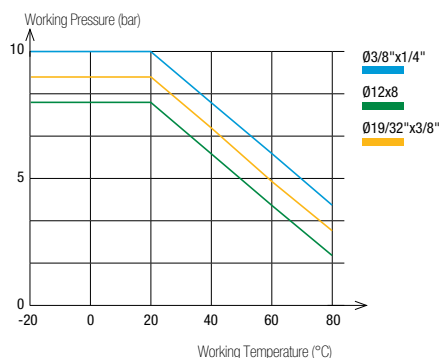
Reliable performance is dependent upon the type of fluid conveyed and fittings being used.

Performance of PU Recoil Tubing

PU Ester Recoil Tubing



PU Ether Recoil Tubing



Tube O.D.	Tube I.D.	Tube O.D. Tolerance
4 to 8 mm	2.5 to 5.5 mm	+0.10 / -0.10
10 to 12 mm	7 to 8 mm	+0.15 / -0.15
3/8" and 19/32"	1/4" and 3/8"	+/- 0.005"

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

1470U Polyurethane (PU) Ester Recoil Tubing 2 m, Male BSPT Fitting

O.D. (mm)	I.D. (mm)	BSPT Thread				Total Closed Length (mm)	O.D. of Coil (mm)	kg
4	2.5	R1/8	1470U04 03 10	1470U04 04 10	1470U04 05 10	595	24	0.060
6	4	R1/4	1470U06 03 13	1470U06 04 13	1470U06 05 13	630	32	0.060
8	5	R1/4	1470U08 03 13	1470U08 04 13	1470U08 05 13	780	42	0.120
10	7	R1/4	1470U10 03 13	1470U10 04 13	1470U10 05 13	780	62	0.160
12	8	R3/8	1470U12 03 17	1470U12 04 17	1470U12 05 17	780	65	0.190

Length of long straight section, O.D. < 8 mm: 300 mm; Length of long straight section, O.D. ≥ 8 mm: 500 mm; Length of short straight section, for all O.D.: 100 mm

1471U Polyurethane (PU) Ester Recoil Tubing 4 m, Male BSPT Fitting

O.D. (mm)	I.D. (mm)	BSPT Thread				Total Closed Length (mm)	O.D. of Coil (mm)	kg
4	2.5	R1/8	1471U04 03 10	1471U04 04 10	1471U04 05 10	785	24	0.100
6	4	R1/4	1471U06 03 13	1471U06 04 13	1471U06 05 13	850	32	0.160
8	5	R1/4	1471U08 03 13	1471U08 04 13	1471U08 05 13	1000	42	0.200
10	7	R1/4	1471U10 03 13	1471U10 04 13	1471U10 05 13	1000	62	0.230
12	8	R3/8	1471U12 03 17	1471U12 04 17	1471U12 05 17	1140	65	0.260

Length of long straight section, O.D. < 8 mm: 300 mm; Length of long straight section, O.D. ≥ 8 mm: 500 mm; Length of short straight section, for all O.D.: 100 mm

1472U Polyurethane (PU) Ester Recoil Tubing 6 m, Male BSPT Fitting

O.D. (mm)	I.D. (mm)	BSPT Thread				Total Closed Length (mm)	O.D. of Coil (mm)	kg
8	5	R1/4	1472U08 03 13	1472U08 04 13	1472U08 05 13	1230	42	0.280
10	7	R1/4	1472U10 03 13	1472U10 04 13	1472U10 05 13	1140	62	0.295
12	8	R3/8	1472U12 03 17	1472U12 04 17	1472U12 05 17	1190	65	0.310

Length of long straight section, O.D. < 8 mm: 300 mm; Length of long straight section, O.D. ≥ 8 mm: 500 mm; Length of short straight section, for all O.D.: 100 mm

1460U Polyurethane (PU) Ester Recoil Tubing 2 m

O.D. (mm)	I.D. (mm)		Total Closed Length (mm)	O.D. of Coil (mm)	kg
8	5	1460U08 04	780	42	0.064
10	7	1460U10 04	780	62	0.122
12	8	1460U12 04	780	65	0.172

Length of long straight section, O.D. < 8 mm: 300 mm; Length of long straight section, O.D. ≥ 8 mm: 500 mm; Length of short straight section, for all O.D.: 100 mm

1461U Polyurethane (PU) Ester Recoil Tubing 4 m

O.D. (mm)	I.D. (mm)		Total Closed Length (mm)	O.D. of Coil (mm)	kg
8	5	1461U08 04	1000	42	0.128
10	7	1461U10 04	1000	62	0.244
12	8	1461U12 04	1000	65	0.344

Length of long straight section, O.D. < 8 mm: 300 mm; Length of long straight section, O.D. ≥ 8 mm: 500 mm; Length of short straight section, for all O.D.: 100 mm

1462U Polyurethane (PU) Ester Recoil Tubing 6 m

O.D. (mm)	I.D. (mm)		Total Closed Length (mm)	O.D. of Coil (mm)	kg
8	5	1462U08 04	1230	42	0.192
10	7	1462U10 04	1140	62	1.246
12	8	1462U12 04	1190	65	0.280

Length of long straight section, O.D. < 8 mm: 300 mm; Length of long straight section, O.D. ≥ 8 mm: 500 mm; Length of short straight section, for all O.D.: 100 mm