

PVC Braided Hose

Parker Legris offers two **grades of PVC** which cover a wide range of industrial applications for the **transportation of various fluids**.

Product Advantages

Food-Grade PVC

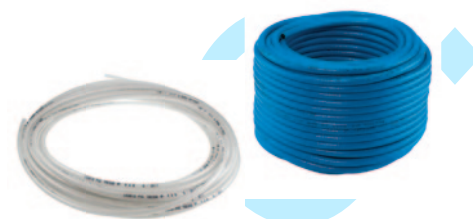
Monograde tubing reinforced with a braided polyester ply
Flexible: space saving during installation
Translucent for visual identification:

- of the fluid
- of inner cleanliness
- of fluid flow

 Food-grade, without phthalates
Silicone-free

Industrial PVC

Tubing with a braided polyester ply between 2 grades of PVC
Resistant to abrasion, impact and crushing
Increased durability
Lightweight and easy-to-use
Silicone-free



Applications
Robotics
In-Plant Automotive
Pneumatics
Semi-Conductors
Textile
Packaging
Vacuum

Technical Characteristics

Hose	Food-Grade PVC	Industrial PVC
Compatible Fluids	Compressed air, other fluids	Compressed air
Working Pressure	0 to 15 bar	0 to 15 bar
Working Temperature	-20°C to +70°C	-25°C to +60°C
Component Materials	Translucent food-grade PVC, phthalate-free with polyester braid	Industrial blue PVC, multi-layer, with polyester braid

Regulations

Food-Grade PVC

FDA: 21 CFR 177.1550
RG: 1907/2006 (REACH)
RG: 1935/2004
DI: 2002/95/EC (RoHS), 2011/65/EC
DI: 2007/10/EC (phthalates)

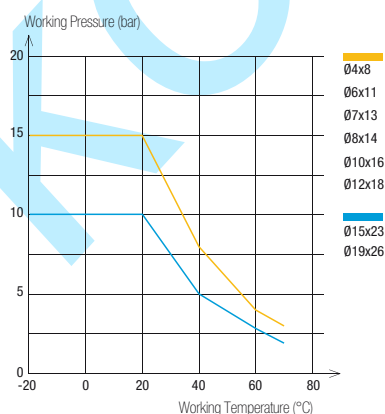
Industrial PVC

DI: 97/23/CE (PED)
RG: 1907/2006 (REACH)
DI: 2002/95/EC (RoHS), 2011/65/EC

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

Hose Performance

Food-Grade PVC



Hose Type	Hose I.D.	Hose I.D. Tolerance
Food-Grade PVC	4 to 6 mm	+0.5 / -0.5
	7 to 12 mm	+0.6 / -0.6
	15 to 19 mm	+0.8 / -0.8
Industrial PVC	6.3 mm	+0.3 / -0.3
	9 mm	+0.5 / -0.5
	12.7 mm	+0.6 / -0.6

Packaging



Reel: 25 m, 50 m
(with protective plastic bag)

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

1025V

Food-Grade Braided PVC Hose



Reel 25 m

O.D. (mm)	I.D. (mm)		 Clear	kg
8	4	10	1025V08 00 04	1.260
11	6	12	1025V11 00 06	2.253
13	7	14	1025V13 00 07	3.182
14	8	16	1025V14 00 08	3.434
16	10	25	1025V16 00 10	3.800
18	12	30	1025V18 00 12	4.423
23	15	40	1025V23 00 15	7.300
26	19	60	1025V26 00 19	7.300

1050V

Food-Grade Braided PVC Hose



Reel 50 m

O.D. (mm)	I.D. (mm)		 Clear	kg
8	4	10	1050V08 00 04	2.690
11	6	12	1050V11 00 06	4.200
13	7	14	1050V13 00 07	5.966
14	8	16	1050V14 00 08	6.058
16	10	25	1050V16 00 10	6.400
18	12	30	1050V18 00 12	8.250
23	15	40	1050V23 00 15	14.600
26	19	60	1050V26 00 19	14.600

1025V..C

Industrial-Grade Braided PVC Hose



Reel 25 m

O.D. (mm)	I.D. (mm)			kg
11	6	45	1025V11C04 06	2.175
14	9	63	1025V14C04 09	3.250
19	13	89	1025V19C04 13	4.975

1050V..C

Industrial-Grade Braided PVC Hose

Reel 50 m

O.D. (mm)	I.D. (mm)			kg
11	6	45	1050V11C04 06	4.350
14	9	63	1050V14C04 09	6.500
19	13	89	1050V19C04 13	9.950

Related Products

PVC tubing is designed for use with Parker Legris barb connectors and couplers.

Barb Connectors

0191 P. 9-16



0123 P. 9-10



Couplers

C 9000 P. 8-7



Metal P. 8-18



Self-Fastening NBR Hose

Parker Legris self-fastening hose is designed according to **CNOMO E07.21.115N***. This range of hose should be used with Legris barb connectors and provides both the **reliability** of self-fastening technology and **simplicity of installation**.

Product Advantages

Exceptional Endurance

Unsurpassed resistance to repetitive flexing
Protection against spark and flame
Abrasion and crush-resistant
UV-resistant

Ideal for In-Plant Automotive

Excellent ozone resistance
Perfect for cooling systems
Maximum flow with no pressure drop
4 colours for immediate circuit identification
Silicone-free

Ready-To-Use

No lubrication, additive (grease, oil, ...etc), or preparation time required
To connect: push the hose fully home against the fitting shoulder
To disassemble: cut the hose on the barbed side of the fitting



In-Plant Automotive
Cooling
Welding Robots
Pneumatics
Industrial Machinery

Applications

Technical Characteristics

Compatible Fluids	Coolants, compressed air
Working Pressure	0 to 16 bar
Working Temperature	-20°C to +100°C
Component Materials	Nitrile butadiene rubber & textile braid

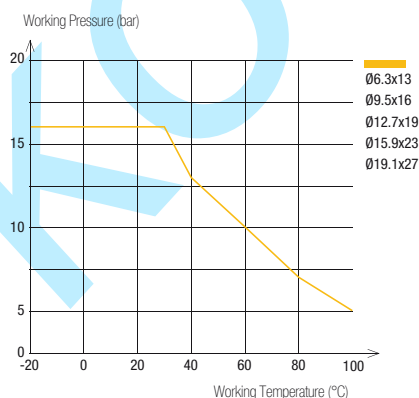
Regulations

NFT 46-019-1
NFT 47 252
RG: 1907/2006 (REACH)
DI: 2002/95/EC (RoHS), 2011/65/EC
CNOMO: E07.21.115N

***CAUTION:** CNOMO certification is valid exclusively for red and green hose, only when connected to Legris' CNOMO-certified barb connectors 0132, 0133 and 0134.

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

Performance of Self-Fastening NBR Hose



DN mm CNOMO	DN (standard)	Hose I.D. (mm)	Hose I.D. Tolerance (mm)
6	1/4	6.3 mm	+0.4 / -0.4
8	3/8	9.5 mm	+0.5 / -0.5
12	1/2	12.7 mm	+0.6 / -0.6
16	5/8	15.9 mm	
20	3/4	19.1 mm	

Packaging






Drum: 20 m, 40 m, 80 m, 100 m

Use with water: maximum temperature 100°C
Use with air: maximum temperature 70°C

To calculate burst pressure, the values in this graph should be multiplied by 3.

1040H Braided Self-Fastening NBR Hose






Drum 40 m

DN	O.D. (mm)	I.D. (mm)						kg
1/4	13	6.3	60	1040H56 01	1040H56 02	1040H56 03	1040H56 04	7.000
3/8	16	9.5	70	1040H60 01	1040H60 02	1040H60 03	1040H60 04	8.600
1/2	19	12.7	120	1040H62 01	1040H62 02	1040H62 03	1040H62 04	9.450
5/8	23	15.9	140	1040H66 01	1040H66 02	1040H66 03	1040H66 04	13.000
3/4	27	19.1	170	1040H69 01	1040H69 02	1040H69 03	1040H69 04	16.500

Also available in 20 m length upon request

1080H Braided Self-Fastening NBR Hose






Drum 80 m

DN	O.D. (mm)	I.D. (mm)						kg
5/8	23	15.9	140	1080H66 01	1080H66 02	1080H66 03	1080H66 04	26.160
3/4	27	19.1	170	1080H69 01	1080H69 02	1080H69 03	1080H69 04	33.160

Also available in 20 m length upon request

1100H Braided Self-Fastening NBR Hose

Drum 100 m

DN	O.D. (mm)	I.D. (mm)						kg
1/4	13	6.3	60	1100H56 01	1100H56 02	1100H56 03	1100H56 04	14.660
3/8	16	9.5	70	1100H60 01	1100H60 02	1100H60 03	1100H60 04	20.600
1/2	19	12.7	120	1100H62 01	1100H62 02	1100H62 03	1100H62 04	23.000

Also available in 20 m length upon request

Related Products

Self-fastening hose is designed for use with Parker Legris brass barb connectors (CNOMO-certified).

Barb Connectors

0132 P. 5-25 **0133 .. 39** P. 5-25 **0134** P. 5-25



Installation Tool

Tool Part Number:
0650 00 00 05

This automatic installation tool reduces the effort required to connect self-fastening hose onto a barb connector.



Tube Cutting and Positioning

Cut the tube at a right angle and position the barb connector on the mounting tool.

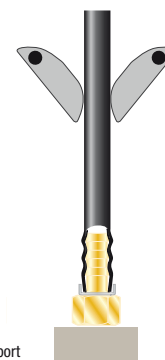
Barb connector support



Press-Fitting the Tube


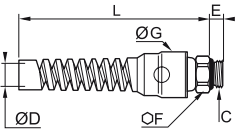




Activate the press-fit tool; connection is complete when the tube is fully home on the barb connector. This tool has been designed for use with 5 different diameters and is easy to operate.

Barb connector support


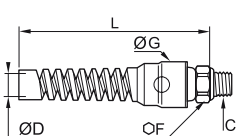






Accessories


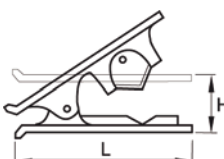

0694 Push-In Fitting with Protection Spring, Male BSPP Thread

	Nickel-plated brass, NBR		ØD	C		E	F	G	L	kg
			8	G1/4		6.5	16	24	104.5	0.067
			10	G1/4		6.5	18	24	106.5	0.062
			12	G3/8		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		14	24	104.5	0.055
			10	R1/4		18	24	106.5	0.064
			12	R3/8		20	29.5	126	0.090



3000 71 00 Tube Cutter

	Technical polymer			H	L	kg
				25	79	0.029
				3000 71 00		
				This tool is designed to give a clean cut at right angles to the tube axis for all resilient polymer tubing (polyamide, polyurethane, FEP, polyethylene, etc.) from 4 mm to 12 mm diameter inclusive. Replacement blades: part number 3000 71 00 05 A spring maintains the cutter in the closed position.		


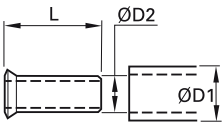

3000 71 11 Tube Cutter

	Treated steel		kg
		3000 71 11	0.227

6000 71 00 Stripping Tool for Anti-Spark Tubing


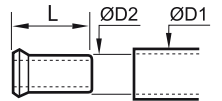

	Technical polymer, stainless steel		kg
		6000 71 00	0.098
	Working principle of the stripping tool page 3-17		

1827 Stainless Steel Tube Support for Fluoropolymer Tubing

	Stainless steel 316L		ØD1	ØD2		L	kg
			6	4	1827 06 00	11.5	0.001
			8	6	1827 08 00	14	0.001
			10	8	1827 10 00	18	0.001
			12	9	1827 12 09	18	0.001
			12	10	1827 12 00	18	0.001
			16	14	1827 16 00	18	0.002


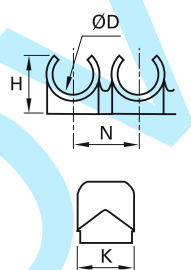

This tube support is necessary when using fluoropolymer FEP tubing at all temperatures compatible with the fitting/tubing assembly.

0127 Brass Tube Support for Polymer Tubing

	Brass		ØD1	ØD2		L	kg
			4	2	0127 04 00	11	0.001
				2.7	0127 04 27	11	0.001
			5	3	0127 05 03	11	0.001
				3.3	0127 05 00	11.5	0.009
			6	4	0127 06 00	11.5	0.001
			8	5.5	0127 08 55	14	0.001
				6	0127 08 00	14	0.001
				7	0127 10 07	18	0.001
			10	7.5	0127 10 75	18	0.001
				8	0127 10 00	18	0.002
				8	0127 12 08	18	0.002
			12	9	0127 12 09	18	0.002
				10	0127 12 00	18	0.001
			14	11	0127 14 11	18	0.002
				12	0127 14 00	18	0.002
			15	12	0127 15 12	18	0.002
			16	13	0127 16 13	18	0.003
			18	14	0127 18 14	19.5	0.003
			20	15	0127 20 15	20.5	0.003
			22	16	0127 22 16	21	0.004
			25	19	0127 25 19	25	0.007


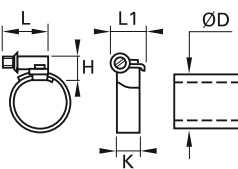

This tube support guarantees good gripping, at high temperatures and pressures, by preventing collapsing of the tube.

CLIP Clip Strip for Tubing and Fittings

	Technical polymer		ØD		H	K	N	kg
			4	CLIP 04 00	9	13.5	10.5	0.007
			6	CLIP 06 00	10.5	13	10.5	0.004
			8	CLIP 08 00	12.5	10.5	12	0.007
			10	CLIP 10 00	14	12	15	0.005
			12	CLIP 12 00	16.5	14	16.5	0.009
			14	CLIP 14 00	18	16	20.5	0.008

Delivered in boxes of 10 strips of the same diameter (complete with self-tapping screws of 95 mm length)
These clips can be used with metric or inch tubing.

0697 Clip for Braided Tubing

	Treated steel		ØD		H	K	L	L1	kg
			6-11	0697 00 01	7	5	12	7	0.004
			10-16	0697 00 02	12	9	21	13	0.011
			12-22	0697 00 03	12	9	21	13	0.015
			16-27	0697 00 04	12	9	24	13	0.015
			20-32	0697 00 05	12	9	24	13	0.016