



aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



# Parker Legris: LIQUIfit® Connection Solutions for Beverages & Fluids



ENGINEERING YOUR SUCCESS.

The Fluid System Connectors Division (formerly Legris) of Parker Hannifin, the global leader in motion and control technologies, has launched LIQUIfit® and LIQUIfit+, 2 new “eco-designed” ranges of leak-free and compact push-in fittings, tubing and complementary products for liquid transfer applications.

The LIQUIfit® range is suitable for liquid transfer applications: food process, drinks dispensers, water purification systems... This product range also benefits from a range extension of metal adaptors designed for liquid transfer applications.

LIQUIfit+ provides zero retention push-in fittings for 100% cleanliness. The innovative sealing and gripping design drastically reduces bacteria growth, giving 100% cleanliness.

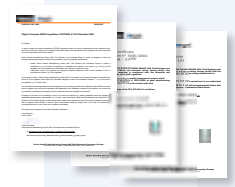
LIQUIfit+ fittings are intended for use in applications concerning the dispensing of liquids and beverages (including beer lines) and offer many sustainability-related benefits.



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# Directives and Regulations: the Parker Legris Offer

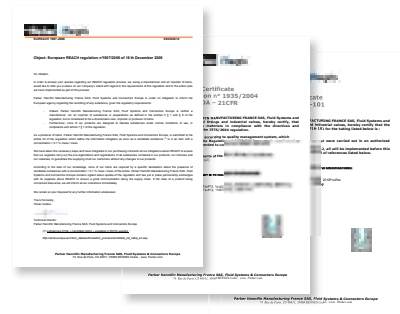
Parker Legris complies with the directives and regulations listed below and goes beyond its statutory obligations for the ranges in question.

	<p><b>European RoHS directives: 2011/65/EC</b> Relating to the limitation of the use of 6 hazardous substances in electrical and electronic equipment (mercury, lead, cadmium, hexavalent chromium, PBB and PBDE).</p>		<p><b>NSF 61: NSF / ANSI-61</b> Fittings and tubes complying with this standard are tested and approved by NSF for contact with drinking water.</p>
	<p><b>REACH regulation: no. 1907/2006</b> As product manufacturer, we are subject to article 33 of the regulation which defines a duty to inform when a candidate substance is present at more than 0.1% weight for weight.</p>		<p><b>NSF 42 and 58: NSF/ANSI-42/58</b> Tubes complying with this standard are tested and approved by NSF for drinking water treatment systems.</p>
	<p><b>Pressurised equipment directive: 97/23/EC</b> This directive regulates the design, manufacture and assessment of pressurised equipment to ensure operating safety.</p>		<p><b>ACS: Attestation de Conformité Sanitaire (France)</b> Official approval issued by the Direction générale de la Santé Française (French Health Directorate), applies to constituent materials of equipment in contact with water intended for human consumption.</p>
	<p><b>ATEX directive: 94/9/EC mandatory since 01/07/2003</b> This directive is mandatory for electrical and non-electrical equipment used in explosive gaseous or dusty atmospheres. The use of our products in these areas must be determined in accordance with the ATEX environment.</p>		<p><b>KTW: Kunststoffe und Trinkwasser (Germany)</b> Guidelines for the health evaluation of equipment in contact with drinking water, assessment and certification carried out by the TZW.</p>
	<p><b>Regulation 1935/2004</b> This framework regulation relates to materials and objects designed to come into contact with foodstuffs. It describes specific measures per product group (Art. 5).</p>		<p><b>W270: Food contact standard (Germany)</b> Standard describing a test method for determining the microbial growth on non-metal materials designed to come into contact with drinking water. Test and certification carried out by the TZW.</p>
	<p><b>CFR 21: Code of Federal Regulation Title 21: Food and Drugs</b> This code consists of lists of prohibited substances for materials intended to come into contact with foodstuffs.</p>		<p><b>WRAS: Water Regulations Advisory Scheme (UK)</b> Fittings approved by this programme are declared compliant for water supply by WRc - NSF.</p>
	<p><b>NSF 51: NSF / ANSI-51</b> Fittings and tubes complying with this standard are tested and approved by NSF for contact with drinks and foodstuffs.</p>		<p><b>DM 174: Ministerial decree (Italy)</b> Declaration of hygiene compliance for equipment used for drinking water, tested and certified by the TIFQ.</p>

The Parker Legris product range offers compliance with numerous European standards associated in particular with the directives and regulations referred to above. The official texts of these directives are available on the site: <http://eur-lex.europa.eu>.

## Certificates and Regulations

Certificates of conformity for our products are available on our web site. Contact us for any further information you require.



# Together, We Can Build Sustainable Development

Parker Legris, ISO 14001 certified, has made the conservation of resources and protection of the environment a major priority. We have incorporated improved environmental management as a permanent feature in the vision and mission of the company, aiming to benefit nature, technology and mankind.



## Protecting natural resources

By saving energy through the performance of our production facilities.

## Improving performance

By changing habits in order to promote new materials and concepts.

## Asserting our values for the protection of the environment

By having all our sites ISO 14001 certified in order to unify all our employees around clear objectives regarding the management of the environment.

## Our actions are coupled with your environmental process

### Reducing the impact on industrial sites

Parker Legris has integrated environmental protection management into the operation of its industrial sites. This approach has enabled 85% of waste to be recovered and has reduced energy consumption by 15%.

### Offering ecologically responsible products

Under its continuous improvement process, Parker Legris has integrated ecological design as an input parameter to innovation and uses Life Cycle Assessment (LCA) to optimise the environmental impact of its products.

### Providing information on the PEP (Product Environmental Profile)

This communication tool is common to all industries and professions and delivers a reliable and clear message for promoting ecological advances and incorporating this data within the LCA equipment.

### Getting ahead of regulations

Parker Legris goes beyond its statutory obligations and endeavours to find a good match between choice of materials, limitation of hazardous substances, selection of recycling channels and industrial performance to encourage the recycling of products at end of life.

## Using our technology reduces the environmental impact

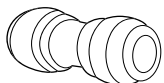
LIQUIfit®

### Tube-to-Tube Connector



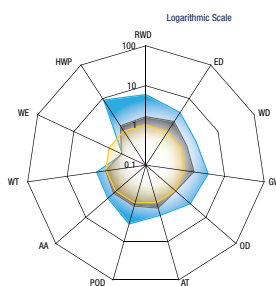
Market Standard

### Tube-to-Tube Connector



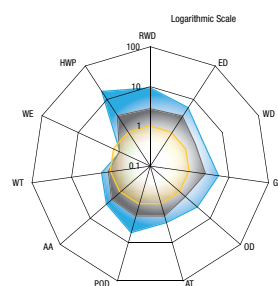
- Parker Legris
- Market Standard in PP
- Market Standard in POM

### Stud Elbow



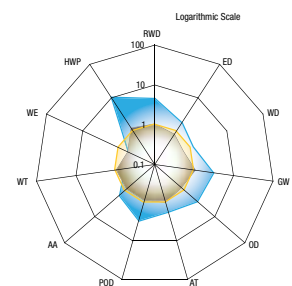
- RWD: Raw Material Depletion
- ED: Energy Depletion
- WD: Water Depletion
- GW: Global Warming

### Tube-to-Tube Connector



- OZ: Ozone Depletion
- AT: Air Toxicity
- POC: Photochemical Ozone Creation
- AA: Air Acidification

### Stud Fitting



- WT: Water Toxicity
- WE: Water Eutrophication
- HWP: Hazardous Waste Production



# Part Number Identification

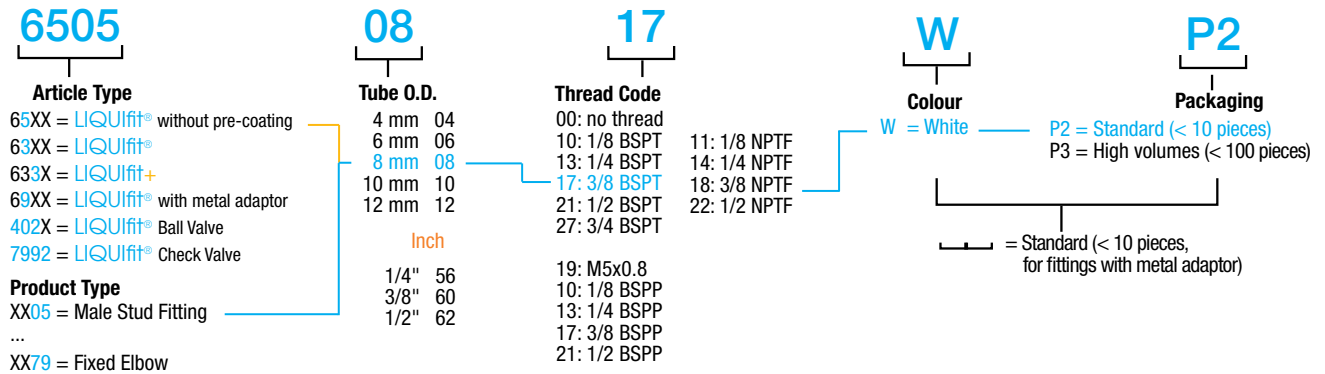
The part numbers used for our product ranges are coded in such a way as to make it easy to identify any particular item.

## Part Number Construction for Fittings and Valves

The part numbers are selected using a technical mnemonic code.

Each fitting and valve is identified by:

- model series (4 digits)
- nominal diameter (2 digits)
- thread or 2<sup>nd</sup> nominal diameter (2 digits)
- a suffix, if applicable

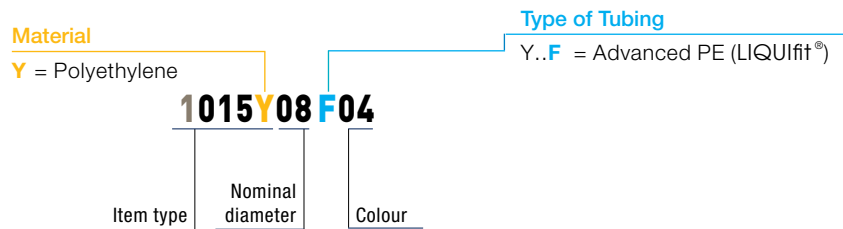


## Part Number Construction for Tubing

The part numbers are selected using a technical mnemonic code.

Each tube is identified by:

- model series (4 digits and a letter)
- nominal diameter (2 digits)
- colour (2 digits)
- inside diameter, if applicable



**Nominal diameter code:** equates to the outside diameter.

**Colour code:** see table below.

00 = □ (clear) 01 = ■ 02 = ■ 03 = ■ 04 = ■ 05 = ■ 10 = □ (white)

## Thread Identification

BSP Thread	Code
1/8"	10
1/4"	13
3/8"	17
1/2"	21
5/8"	23
3/4"	27

NPTF Thread	Code
1/8"	11
1/4"	14
3/8"	18
1/2"	22

Metric Thread	Code	UNS Thread	Code
M5x0.8	19	7/16-24	133



# Product Ranges for Fluids and Beverages

## Push-In Fittings

### LIQUIfit® Push-In Fittings (P. 10)



**Fluids:** water, beverages, coolants, inert gases

**Materials:** biopolymer, EPDM

**Pressure:** 16 bar

**Temperature:** -10°C to +95°C

**Ø metric:** 4 mm to 12 mm

**Ø inch:** 5/32" to 1/2"

### LIQUIfit+ Push-In Fittings (P. 26)



**Fluids:** water, beer, beverages, industrial fluids

**Materials:** biopolymer, EPDM

**Pressure:** 16 bar

**Temperature:** -10°C to +95°C

**Ø inch:** 5/16" to 1/2"

### LIQUIfit® Push-In Fittings with Metal Adaptors (P.28)



**Fluids:**

Stainless steel 316L threads: water, beverages, industrial fluids

Nickel-plated brass threads: industrial fluids

**Materials:** biopolymer, EPDM, stainless steel 316L or FDA chemical nickel-plated brass

**Pressure:** 16 bar

**Temperature:** -10°C to +95°C

**Ø metric:** 4 mm to 12 mm

## Tubing

### Advanced PE Tubing (P. 36)



**Fluids:** many fluids

**Materials:**

- 50% reticulated polyethylene, food-grade
- 7 colours

**Pressure:** 20 bar

**Temperature:** -40°C to +95°C

**O.D. metric:** 4 mm to 16 mm

**O.D. inch:** 1/4" to 1/2"

## Ball Valves and Non-Return Valves

### LIQUIfit® Non-Return Valves (P. 38)



**Fluids:** water, beverages, liquid foodstuffs

**Materials:** polymer for food applications

**Pressure:** 10 bar

**Temperature:** 0°C to +65°C

**Ø inch:** 1/4" to 1/2"

### LIQUIfit® Ball Valves, (P. 40)



**Fluids:** water, beverages, CO<sub>2</sub>, inert gases

**Materials:** polypropylene, EPDM seal

**Pressure:** 10 bar

**Temperature:** -15°C to +100°C

**Tube Ø:** 1/4" and 3/8"

# Range of LIQUIfit® Push-In Fittings

## Stud Fittings

### Straights

<b>6505</b> BSPT Page 12	<b>6315</b> BSPT Page 12	<b>6353</b> BSPP Page 13	<b>6521</b> BSPT Page 14
			

### Straights - Inch

<b>6505</b> NPTF/BSPT Page 12	<b>6315</b> NPTF Page 13	<b>6353</b> BSPP Page 13	<b>6352</b> BSPP Page 13	<b>6325</b> UNS Page 13	<b>6521</b> NPTF/BSPT Page 14
					

### Elbows

<b>6579</b> BSPT Page 15	<b>6509</b> BSPT Page 15
	

### Elbows - Inch

<b>6579</b> BSPT/NPTF Page 15	<b>6509</b> BSPT/NPTF Page 16
	

### Tees

<b>6508</b> BSPT Page 16	<b>6503</b> BSPT Page 17
	

### Tees - Inch

<b>6508</b> BSPT/NPTF Page 17	<b>6503</b> BSPT/NPTF Page 17
	

### Plugs

<b>6355</b> BSPT Page 17


## Tube-to-Tube Fittings

### Straight

<b>6306</b> Page 18


### Straight - Inch

<b>6306</b> Page 18


### Elbow

<b>6302</b> Page 18


### Elbow - Inch

<b>6302</b> Page 18


### Tee

<b>6304</b> Page 19


### Tee - Inch

<b>6304</b> Page 19



### Y

<b>6340</b> Page 19



### Y - Inch

<b>6340</b> Page 19


### Cross

<b>6307</b> Page 20


### Cross - Inch

<b>6307</b> Page 20


## Bulkhead Connectors

### Straight



<b>6316</b> Page 20


### Straight - Inch

<b>6316</b> Page 20


## Plug-In Fittings and Accessories

### Elbows

<b>6382</b> Page 21	<b>6380</b> Page 21
	

### Elbow - Inch

<b>6382</b> Page 21


### Tees

<b>6383</b> Page 21	<b>6388</b> Page 21
	

### Tee - Inch






<b>6388</b> Page 22


## Accessories

### Accessories


<b>6366</b> Page 22	<b>6326</b> Page 22	<b>6322</b> Page 23	<b>6351</b> Page 23
			

### Accessories - Inch


<b>6366</b> Page 22	<b>6368</b> Page 22	<b>6326</b> Page 23	<b>6322</b> Page 23	<b>6351</b> Page 23
				

## Polymer Cartridges for Fluids and Gases

### Carstick®

<b>6300</b> Page 24


### Carstick® - Inch

<b>6300</b> Page 24




# Range of LIQUIfit+ Push-In Fittings

Stud Fittings	Tube-to-Tube Fittings		Plug-In Fittings
Straight - Inch	Straight - Inch	Elbow - Inch	Elbow - Inch
<b>6333</b> Page 27	<b>6336</b> Page 27	<b>6332</b> Page 27	<b>6331</b> Page 27

# Range of LIQUIfit® Push-In Fittings with Metal Adaptors

Stud Fittings with Stainless Steel Adaptor							
Straight		Elbows		Tees			
<b>6911</b> Page 29	<b>6975</b> Page 29	<b>6959</b> Page 29	<b>6979</b> Page 30	<b>6958</b> Page 30	<b>6978</b> Page 30	<b>6953</b> Page 31	<b>6973</b> Page 31

Stud Fittings with Nickel-Plated Brass Adaptor							
Straight		Elbows		Tees			
<b>6901</b> Page 32	<b>6905</b> Page 32	<b>6999</b> Page 32	<b>6909</b> Page 33	<b>6998</b> Page 33	<b>6908</b> Page 33	<b>6993</b> Page 34	<b>6903</b> Page 34

LIQUIfit® and LIQUIfit+ Accessories			
<b>3130</b> Page 25	<b>3110</b> Page 25	<b>0605</b> Page 25	<b>3000 71 00</b> Page 25

## Flexible Calibrated Tubing

Advanced PE

	<b>1015Y..F</b> <b>1030Y..F</b> <b>1075Y..F</b> <b>1096Y..F</b> <b>1098Y..F</b> <b>1099Y..F</b> Page 37
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## LIQUIfit® Non-Return Valves

Non-Return Valves

<b>7992</b> Page 39	
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## LIQUIfit® Ball Valves

In-Line      Right-Angled

<b>4020</b> 2/2 Page 41	<b>4021</b> 2/2 Page 41	<b>4023</b> 2/2 Page 41	<b>4022</b> 2/2 Page 41

# LIQUIfit® Push-In Fittings

This "eco-designed" range proposes an **innovative alternative** for water applications; **no fluid contamination** occurs and **environmental protection is guaranteed**. These fittings ensure **reliable and compact** connections for **liquid transfer** applications.

## Product Advantages

<b>Innovative Technology &amp; Concept</b>	<ul style="list-style-type: none"> <li>Ergonomic and aesthetic design</li> <li>The most compact product on the market for water, beverages and liquid foodstuffs</li> <li>Easy-to-clean external surfaces</li> <li>Push-in connection and disconnection</li> <li>Full flow</li> <li>Use with a pre-prepared metallic tubing</li> <li>Gripping system preventing any pumping effect</li> <li>Eco-designed (materials, manufacturing process, weight, dimensions and performance)</li> </ul>
<b>Optimal Performance</b>	<ul style="list-style-type: none"> <li>Patented sealing technology</li> <li>100% leak-tested in production</li> <li>Date coding to guarantee quality and traceability</li> <li>Wide range of shapes and numerous configurations</li> </ul>
<b>High Performance Material</b>	<ul style="list-style-type: none"> <li>Bio-sourced polymer meeting the most severe food process regulations</li> <li>Suitable for contact with water and beverages</li> <li>Excellent chemical and mechanical resistance, even at high temperature</li> <li>Free of bisphenol A and phtalates, conforming with regulations</li> </ul>



Hot & Cold Drinks Dispensers  
Neutral Gases  
Cooling Systems  
Food Process  
Water Purification Systems  
Water Dispensers  
Medical

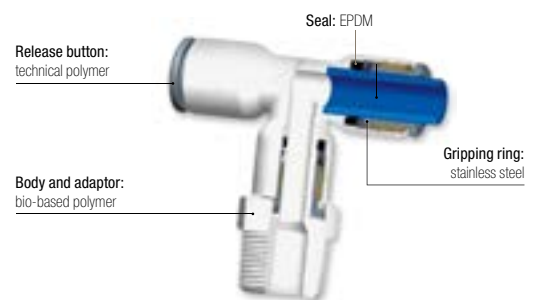
Applications

## Technical Characteristics

<b>Compatible Fluids</b>	Water, beverages, CO <sub>2</sub> (inert use) Chemical fluids: please consult us		
<b>Working Pressure</b>	Vacuum to 16 bar		
<b>Working Temperature</b>	-10°C to +95°C		
<b>Tightening Torques (BSPT/NPTF)</b>	Thread	1/8" and 1/4"	3/8" and 1/2"
	daN.m	0.15	0.30

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.  
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Component Materials



**Silicone-free**

### Regulations

DI: 2002/95/EC (RoHS), 2011/65/EC	DM 174
RG: 1935/2004/EC	WRAS
FDA: 21 CFR	ACS
NSF 51 at 95°C	RG: 1907/2006 (REACH)
NSF/ANSI 61 - C HOT	

# Pressure and Temperature of the Different Diameters and Related Products of the LIQUIfit® Range

-10°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	16	16
6	1/4	16	16
8	5/16	16	16
10	3/8	13	15
12	1/2	11	11

+1°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	16	16
6	1/4	16	16
8	5/16	16	16
10	3/8	13	15
12	1/2	11	11

+20°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	16	16
6	1/4	16	16
8	5/16	16	16
10	3/8	13	15
12	1/2	11	11

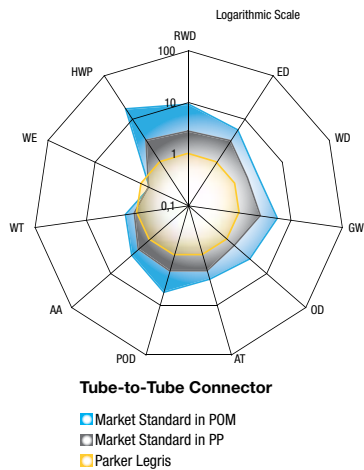
+40°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	16	16
6	1/4	16	16
8	5/16	16	16
10	3/8	13	15
12	1/2	11	11

+65°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	10	10
6	1/4	10	10
8	5/16	10	10
10	3/8	7	7
12	1/2	7	7

+95°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	Tubing
4	5/32	4	4
6	1/4	4	4
8	5/16	4	4
10	3/8	4	4
12	1/2	4	4

## Environmental Footprint

Example: representation of the environmental footprint of an equal tube-to-tube connector



RWD: Raw Material Depletion  
ED: Energy Depletion  
WD: Water Depletion  
GW: Global Warming  
OZ: Ozone Depletion  
AT: Air Toxicity

POC: Photochemical Ozone Creation  
AA: Air Acidification  
WT: Water Toxicity  
WE: Water Eutrophication  
HWP: Hazardous Waste Production

## Environmental Approach

The Life Cycle Analysis (LCA) offers a true alternative in terms of environmental differentiation.

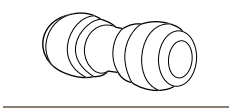
We carried out a comparative LCA on the market of drinking water between 3 Parker Legris fittings and the standard products on the market.

This analysis relies on ISO 14020, ISO 14025 and IEC PAS 62545 standards and the results are presented in a report approved by an ethics committee (Bureau Veritas).

LIQUIfit®  
Tube-to-Tube Connector

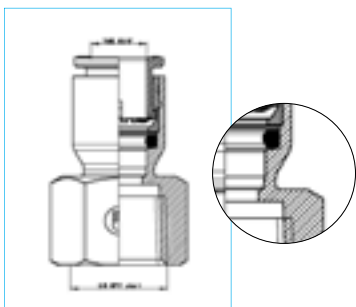


Market Standard  
Tube-to-Tube Connector

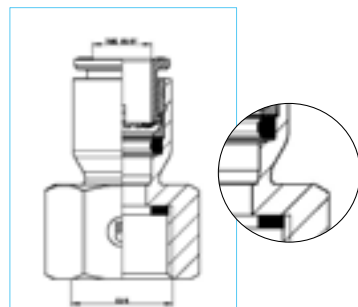


## Sealing Profile for Female Thread Stud Fitting

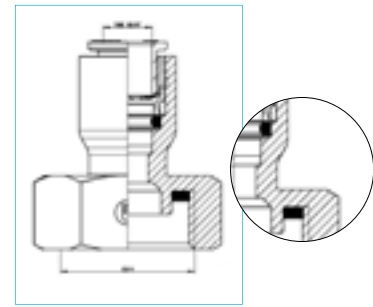
Stud Fitting,  
Female NPTF Thread  
6315



Stud Fitting Flat Type,  
Female BSPP Thread,  
6352 and 6333




Tap Connector Cone Type,  
Female BSPP Thread,  
6353




# Stud Fittings

## 6505 Stud Fitting, Male BSPT Thread

ØD	C					kg
			F	F1	H	
4	R1/8	<a href="#">6505 04 10WP2</a>	11	3	18	0.003
	R1/4	<a href="#">6505 04 13WP2</a>	14	3	18	0.004
6	R1/8	<a href="#">6505 06 10WP2</a>	11	4	18	0.002
	R1/4	<a href="#">6505 06 13WP2</a>	14	4	18	0.004
8	R1/8	<a href="#">6505 08 10WP2</a>	17	6	20	0.004
	R1/4	<a href="#">6505 08 13WP2</a>	14	6	20	0.004
	R3/8	<a href="#">6505 08 17WP2</a>	17	6	20	0.005
10	R1/4	<a href="#">6505 10 13WP2</a>	17	7	21.5	0.005
	R3/8	<a href="#">6505 10 17WP2</a>	19	7	21.5	0.007
	R1/2	<a href="#">6505 10 21WP2</a>	22	7	21.5	0.010
12	R3/8	<a href="#">6505 12 17WP2</a>	19	9	24.5	0.008
	R1/2	<a href="#">6505 12 21WP2</a>	22	9	24.5	0.012


These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
Thread without pre-coating.

## 6505 Stud Fitting, Male NPTF Thread Inch

ØD	C					kg
			F	F1	H	
1/4	NPT1/8	<a href="#">6505 56 11WP2</a>	1/2	5/32	17	0.002
	NPT1/4	<a href="#">6505 56 14WP2</a>	9/16	5/32	17	0.003
	NPT3/8	<a href="#">6505 56 18WP2</a>	3/4	1/4	21,5	0,004
3/8	NPT1/8	<a href="#">6505 60 11WP2</a>	3/4	5/32	22,1	0,005
	NPT1/4	<a href="#">6505 60 14WP2</a>	3/4	1/4	22	0,006
	NPT3/8	<a href="#">6505 60 18WP2</a>	3/4	1/4	22	0,007
1/2	NPT1/2	<a href="#">6505 60 22WP2</a>	15/16	1/4	27	0,012
	NPT3/8	<a href="#">6505 62 18WP2</a>	15/16	3/8	28	0,012
	NPT1/2	<a href="#">6505 62 22WP2</a>	15/16	3/8	28	0,013


These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
Thread without pre-coating.  
6505 56 18WP3, 6505 60 11WP3 and 6505 60 22WP3 are also available.

## 6505 Stud Fitting, Male BSPT Thread Inch

ØD	C					kg
			F	F1	H	
1/4	R1/8	<a href="#">6505 56 10WP2</a>	11	5	17	0.002
	R1/4	<a href="#">6505 56 13WP2</a>	14	5	17	0.003
	R1/4	<a href="#">6505 60 13WP2</a>	17	7	22	0.006
3/8	R3/8	<a href="#">6505 60 17WP2</a>	19	7	22	0.006
	R1/2	<a href="#">6505 60 21WP2</a>	22	7	28	0.012
1/2	R3/8	<a href="#">6505 62 17WP2</a>	24	9	28	0.014
	R1/2	<a href="#">6505 62 21WP2</a>	24	9	28	0.017

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
5/32" (4 mm) and 5/16" (8 mm) also available.  
Thread without pre-coating.

## 6315 Stud Fitting, Female BSPT Thread


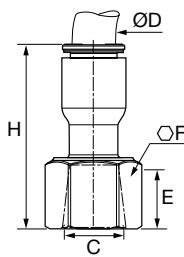

ØD	C				kg
			F	H	
6	R1/8	<a href="#">6315 06 10WP2</a>	13	32	0.003
	R1/4	<a href="#">6315 06 13WP2</a>	16	33	0.004
8	R1/4	<a href="#">6315 08 13WP2</a>	16	33.5	0.004
	R3/8	<a href="#">6315 08 17WP2</a>	20	36	0.009

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

# Stud Fittings


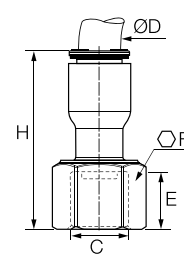

## 6315 Stud Fitting, Female NPTF Thread

Inch

		<b>ØD</b> <b>C</b> 	<b>F</b>	<b>H</b>	<b>kg</b>
		1/4   NPT1/4 <a href="#">6315 56 14WP2</a>	11/16	30	0.003
		3/8   NPT3/8 <a href="#">6315 60 18WP2</a>	13/16	36	0.007

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).


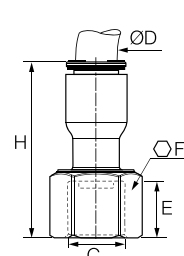

## 6353 Tap Connector Cone Type, Female BSPP Thread

		<b>ØD</b> <b>C</b> 	<b>E</b>	<b>F</b>	<b>H</b>	<b>kg</b>
		6   G3/4 <a href="#">6353 06 27WP2</a>	10	32	32	0.011
		8   G3/4 <a href="#">6353 08 27WP2</a>	10	32	40.5	0.017
		10   G1/2 <a href="#">6353 10 21WP2</a>	12	27	36	0.011

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6353 Tap Connector Cone Type, Female BSPP Thread


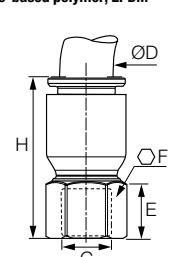

Inch

		<b>ØD</b> <b>C</b> 	<b>E</b>	<b>F</b>	<b>H</b>	<b>kg</b>
		1/4   G3/4 <a href="#">6353 56 27WP2</a>	10	32	31	0.006
		G1/2 <a href="#">6353 60 21WP2</a>	12	27	36	0.011
		3/8   G3/4 <a href="#">6353 60 27WP2</a>	10	32	41	0.018
		1/2   G3/4 <a href="#">6353 62 27WP2</a>	10	32	44.5	0.014

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6352 Stud Fitting Flat Type, Female BSPP Thread


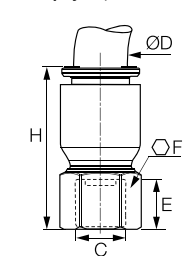

Inch

		<b>ØD</b> <b>C</b> 	<b>E</b>	<b>F</b>	<b>H</b>	<b>kg</b>
		5/16   G1/2 <a href="#">6352 08 21WP2</a>	10.5	27	37	0.009
		G5/8 <a href="#">6352 08 23WP2</a>	10.5	29	32	0.013
		3/8   G3/8 <a href="#">6352 60 17WP2</a>	12	22	36	0.008
		G1/2 <a href="#">6352 60 21WP2</a>	12	27	36	0.011
		1/2   G5/8 <a href="#">6352 62 23WP2</a>	10.5	29	32	0.013

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6325 Faucet Connector, Female UNS Thread


Inch

		<b>ØD</b> <b>C</b> 	<b>E</b>	<b>F</b>	<b>H</b>	<b>kg</b>
		1/4   UNS7/16-24 <a href="#">6325 56 133WP2</a>	7	9/16	31	0.002
		3/8   UNS7/16-24 <a href="#">6325 60 133WP2</a>	7	9/16	32	0.004

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).


# Stud Fittings

## 6521 Stud Standpipe, Male BSPT Thread

ØD	C		F	H	kg
			Bio-based polymer		
6	R1/8	<a href="#">6521 06 10WP2</a>	13	19	0.002
	R1/4	<a href="#">6521 06 13WP2</a>	14	19	0.003
	R3/8	<a href="#">6521 06 17WP2</a>	17	19	0.004
8	R1/8	<a href="#">6521 08 10WP2</a>	19	23	0.003
	R1/4	<a href="#">6521 08 13WP2</a>	19	23	0.004
	R3/8	<a href="#">6521 08 17WP2</a>	19	23	0.004
10	R1/4	<a href="#">6521 10 13WP2</a>	19	25	0.004
	R3/8	<a href="#">6521 10 17WP2</a>	19	25	0.005
	R1/2	<a href="#">6521 10 21WP2</a>	22	25	0.008
12	R3/8	<a href="#">6521 12 17WP2</a>	22	28	0.005
	R1/2	<a href="#">6521 12 21WP2</a>	22	28	0.007


These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
Thread without pre-coating.

## 6521 Stud Standpipe, Male NPTF Thread Inch

ØD	C		F	H	kg
			Bio-based polymer		
1/4	NPT1/8	<a href="#">6521 56 11WP2</a>	1/2	19	0.001
	NPT1/4	<a href="#">6521 56 14WP2</a>	1/2	19	0.002
	NPT3/8	<a href="#">6521 56 18WP2</a>	3/4	19.5	0.004
3/8	NPT1/4	<a href="#">6521 60 14WP2</a>	3/4	25	0.004
	NPT3/8	<a href="#">6521 60 18WP2</a>	3/4	25	0.004
1/2	NPT3/8	<a href="#">6521 62 18WP2</a>	15/16	31	0.010
	NPT1/2	<a href="#">6521 62 22WP2</a>	15/16	32.5	0.013

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
Thread without pre-coating.

## 6521 Stud Standpipe, Male BSPT Thread Inch


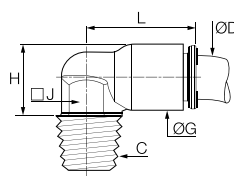

ØD	C		F	H	kg
			Bio-based polymer		
1/4	R1/8	<a href="#">6521 56 10WP2</a>	14	19	0.001
	R1/4	<a href="#">6521 56 13WP2</a>	14	19	0.002
	R3/8	<a href="#">6521 56 17WP2</a>	17	19	0.004
3/8	R1/4	<a href="#">6521 60 13WP2</a>	19	25	0.004
	R3/8	<a href="#">6521 60 17WP2</a>	19	25	0.004
1/2	R3/8	<a href="#">6521 62 17WP2</a>	24	31.5	0.006
	R1/2	<a href="#">6521 62 21WP2</a>	24	31.5	0.009

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters). 5/16" (8 mm) also available.  
Thread without pre-coating.




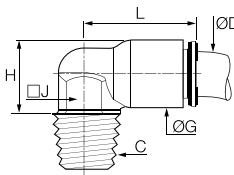

# Stud Fittings

## 6579 Fixed Elbow, Male BSPT Thread

		Bio-based polymer, EPDM		<b>ØD</b>	<b>C</b>		<b>G</b>	<b>H</b>	<b>J</b>	<b>L</b>	<b>kg</b>
		6	R1/8	6579 06 10WP2	11	14	10	19	0.002		
		R1/4	6579 06 13WP2	11	14	10	19	0.003			
		R3/8	6579 06 17WP2	11	14	10	19	0.004			
<p>These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters). Thread without pre-coating.</p>											


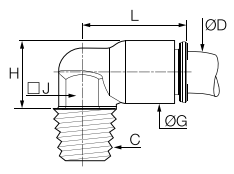

## 6579 Fixed Elbow, Male NPTF Thread

Inch


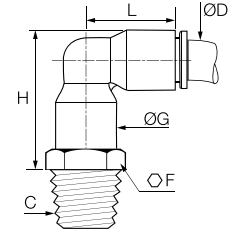

		Bio-based polymer, EPDM		<b>ØD</b>	<b>C</b>		<b>G</b>	<b>H</b>	<b>J</b>	<b>L</b>	<b>kg</b>
		1/4	NPT1/8	6579 56 11WP2	11	22	3/8	18	0.009		
			NPT1/4	6579 56 14WP2	11	26	3/8	18	0.003		
			NPT3/8	6579 56 18WP2	11	26.5	3/8	18	0.004		
		3/8	NPT1/4	6579 60 14WP2	16	32	1/2	26	0.006		
			NPT3/8	6579 60 18WP2	16	32	1/2	26	0.006		
<p>These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters). Thread without pre-coating.</p>											

## 6579 Fixed Elbow, Male BSPT Thread

Inch

		Bio-based polymer, EPDM		<b>ØD</b>	<b>C</b>		<b>G</b>	<b>H</b>	<b>J</b>	<b>L</b>	<b>kg</b>
		1/4	R1/8	6579 56 10WP2	11	22	10	18	0.002		
			R1/4	6579 56 13WP2	11	26	10	18	0.003		
			R3/8	6579 56 17WP2	11	26	10	18	0.004		
		3/8	R1/4	6579 60 13WP2	16	31.5	13	26	0.006		
			R3/8	6579 60 17WP2	16	32	13	26	0.006		
<p>These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters). Thread without pre-coating.</p>											

## 6509 Stud Elbow, Male BSPT Thread

		Bio-based polymer, EPDM		<b>ØD</b>	<b>C</b>		<b>F</b>	<b>G</b>	<b>H</b>	<b>L</b>	<b>kg</b>		
		6	R1/8	6509 06 10WP2	13	10.5	28	24	0.037				
			R1/4	6509 06 13WP2	14	10.5	28	24	0.007				
			R3/8	6509 06 17WP2	17	10.5	28	24	0.008				
		8	R1/8	6509 08 10WP2	19	13.5	34	29.5	0.010				
			R1/4	6509 08 13WP2	19	13.5	34	29.5	0.011				
			R3/8	6509 08 17WP2	19	13.5	34	29.5	0.011				
		10	R1/4	6509 10 13WP2	19	16	38	34.5	0.019				
			R3/8	6509 10 17WP2	19	16	38	34.5	0.020				
			R1/2	6509 10 21WP2	22	16	38	34.5	0.023				
		12	R3/8	6509 12 17WP2	22	19	44	40	0.022				
			R1/2	6509 12 21WP2	22	19	44	40	0.024				
		<p>These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters). Thread without pre-coating; the body swivels for positioning purposes.</p>											

## Complementary LIQUIfit® Range Products

These other LIQUIfit® range products are presented in the corresponding chapters of this catalogue:

### Technical Tubing and Hose

Advanced PE  
Page 36



### Function Fittings

LIQUIfit® Non-Return Valves  
Page 38



### Industrial Ball Valves


LIQUIfit® Ball Valves  
Page 40



# Stud Fittings

## 6509 Stud Elbow, Male NPTF Thread


Inch

Bio-based polymer, EPDM		ØD	C		F	G	H	L	kg
1/4	NPT1/8	6509 56 11WP2	1/2	11	28	23.5	0.003		
	NPT1/4	6509 56 14WP2	9/16	11	28	23.5	0.004		
	NPT3/8	6509 56 18WP2	3/4	11	28.5	23.5	0.006		
3/8	NPT1/4	6509 60 14WP2	3/4	16	38	34	0.010		
	NPT3/8	6509 60 18WP2	3/4	16	38	34	0.011		
1/2	NPT3/8	6509 62 18WP2	15/16	22	50.5	46.5	0.024		
	NPT1/2	6509 62 22WP2	15/16	22	51.5	46.5	0.027		

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
Thread without pre-coating; the body swivels for positioning purposes.


## 6509 Stud Elbow, Male BSPT Thread

Inch

Bio-based polymer, EPDM		ØD	C		F	G	H	L	kg
1/4	R1/8	6509 56 10WP2	14	11	28	23.5	0.003		
	R1/4	6509 56 13WP2	14	11	28	23.5	0.004		
	R3/8	6509 56 17WP2	17	11	28	23.5	0.006		
3/8	R1/4	6509 60 13WP2	19	16	38	34	0.010		
	R3/8	6509 60 17WP2	19	16	38	34	0.011		
1/2	R3/8	6509 62 17WP2	24	22	50.5	46.5	0.024		
	R1/2	6509 62 21WP2	24	22	50.5	46.5	0.027		

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters). 5/16" (8 mm) also available.  
Thread without pre-coating; the body swivels for positioning purposes.


## 6508 Branch Tee, Male BSPT Thread

Bio-based polymer, EPDM		ØD	C		F	G	H	L/2	kg
6	R1/8	6508 06 10WP2	13	10.5	28	18	0.008		
	R1/4	6508 06 13WP2	14	10.5	28	18	0.009		
	R3/8	6508 06 17WP2	17	10.5	28	18	0.010		
8	R1/8	6508 08 10WP2	19	13.5	34	23	0.012		
	R1/4	6508 08 13WP2	19	13.5	34	23	0.013		
	R3/8	6508 08 17WP2	19	13.5	34	23	0.013		
10	R1/4	6508 10 13WP2	19	16	38	26.5	0.018		
	R3/8	6508 10 17WP2	19	16	38	26.5	0.019		
	R1/2	6508 10 21WP2	22	16	38	26.5	0.022		
12	R3/8	6508 12 17WP2	22	19	44	31	0.024		
	R1/2	6508 12 21WP2	22	19	44	31	0.026		

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
Thread without pre-coating; the body swivels for positioning purposes.

## 6508 Branch Tee, Male NPTF Thread

Inch


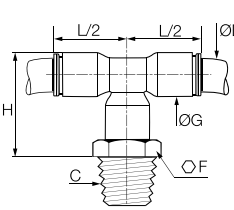


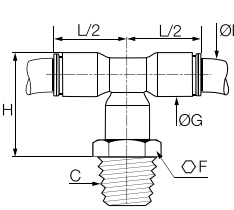
Bio-based polymer, EPDM		ØD	C		F	G	H	L/2	kg
1/4	NPT1/8	6508 56 11WP2	1/2	11	28	18	0.004		
	NPT1/4	6508 56 14WP2	9/16	11	28	18	0.005		
	NPT3/8	6508 56 18WP2	3/4	11	29	18	0.007		
3/8	NPT1/4	6508 60 14WP2	3/4	16	38	26	0.013		
	NPT3/8	6508 60 18WP2	3/4	16	38	26	0.013		
1/2	NPT3/8	6508 62 18WP2	15/16	22	50	35.5	0.031		
	NPT1/2	6508 62 22WP2	15/16	22	51	35.5	0.034		

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
Thread without pre-coating; the body swivels for positioning purposes.

# Stud Fittings


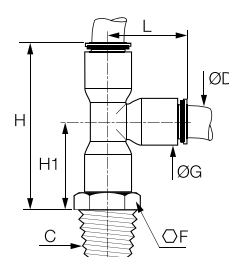


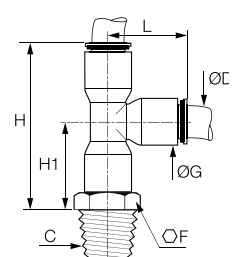
## 6508 Branch Tee, Male BSPT Thread

Inch

	Bio-based polymer, EPDM		<b>ØD</b>	<b>C</b>		<b>F</b>	<b>G</b>	<b>H</b>	<b>L/2</b>	<b>kg</b>
			R1/8	6508 56 10WP2		13	11	28	18	0.004
	Bio-based polymer, EPDM		1/4	R1/4	6508 56 13WP2	14	11	28	18	0.005
				R3/8	6508 56 17WP2	17	11	28	18	0.007
			3/8	R1/4	6508 60 13WP2	19	16	38	26	0.013
				R3/8	6508 60 17WP2	19	16	38	26	0.013
			1/2	R3/8	6508 62 17WP2	24	22	50	35.5	0.032
				R1/2	6508 62 21WP2	24	22	50	35.5	0.032

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters). 5/16" (8 mm) also available.  
Thread without pre-coating; the body swivels for positioning purposes.


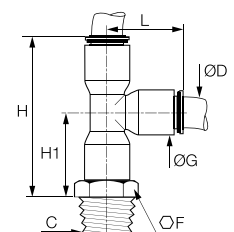


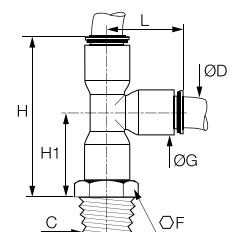
## 6503 Run Tee, Male BSPT Thread

	Bio-based polymer, EPDM		<b>ØD</b>	<b>C</b>		<b>F</b>	<b>G</b>	<b>H</b>	<b>H1</b>	<b>L</b>	<b>kg</b>
			6	R1/8	6503 06 10WP2	13	10.5	40	22	18.5	0.008
	Bio-based polymer, EPDM			R1/4	6503 06 13WP2	14	10.5	40	22	18.5	0.009
				R3/8	6503 06 17WP2	17	10.5	40	22	18.5	0.010
			8	R1/8	6503 08 10WP2	19	13.5	50	27	23	0.012
				R1/4	6503 08 13WP2	19	13.5	50	27	23	0.013
				R3/8	6503 08 17WP2	19	13.5	50	27	23	0.013
			10	R1/4	6503 10 13WP2	19	16	56.5	30	26.5	0.018
				R3/8	6503 10 17WP2	19	16	56.5	30	26.5	0.019
				R1/2	6503 10 21WP2	22	16	56.5	30	26.5	0.022
			12	R3/8	6503 12 17WP2	22	19	65.5	34.5	31	0.024
				R1/2	6503 12 21WP2	22	19	65.5	34.5	31	0.026

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
Thread without pre-coating; the body swivels for positioning purposes.

## 6503 Run Tee, Male NPTF Thread


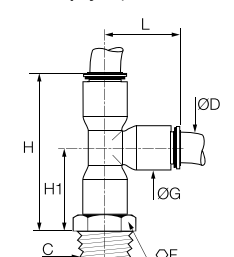


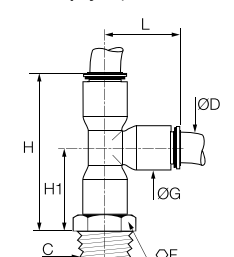
Inch

	Bio-based polymer, EPDM		<b>ØD</b>	<b>C</b>		<b>F</b>	<b>G</b>	<b>H</b>	<b>H1</b>	<b>L</b>	<b>kg</b>
			1/4	NPT1/8	6503 56 11WP2	1/2	11	40.5	22.5	18	0.004
	Bio-based polymer, EPDM			NPT1/4	6503 56 14WP2	9/16	11	40.5	22.5	18	0.005
				NPT3/8	6503 56 18WP2	3/4	11	41.5	23	18	0.007
			3/8	NPT1/4	6503 60 14WP2	3/4	16	56	30	26	0.013
				NPT3/8	6503 60 18WP2	3/4	16	56	30	26	0.013
			1/2	NPT3/8	6503 62 18WP2	15/16	22	75	39.5	35.5	0.031
				NPT1/2	6503 62 22WP2	15/16	22	76	40.5	35.5	0.035

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
Thread without pre-coating; the body swivels for positioning purposes.


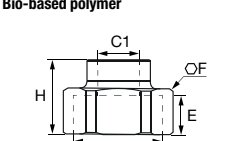

## 6503 Run Tee, Male BSPT Thread

Inch

	Bio-based polymer, EPDM		<b>ØD</b>	<b>C</b>		<b>F</b>	<b>G</b>	<b>H</b>	<b>H1</b>	<b>L</b>	<b>kg</b>
			1/4	R1/8	6503 56 10WP2	13	11	41.5	22.5	18	0.004
	Bio-based polymer, EPDM			R1/4	6503 56 13WP2	14	11	41.5	22.5	18	0.005
				R3/8	6503 56 17WP2	17	11	41.5	23	18	0.007
			3/8	R1/4	6503 60 13WP2	19	16	56	30	26	0.013
				R3/8	6503 60 17WP2	19	16	56	30	26	0.013
			1/2	R3/8	6503 62 17WP2	24	22	75	39.5	35.5	0.032
				R1/2	6503 62 21WP2	24	22	75	39.5	35.5	0.035

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters). 5/16" (8 mm) also available.  
Thread without pre-coating; the body swivels for positioning purposes.



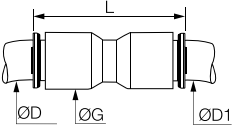
## 6355 Unequal Connector, Female BSPP Thread

	Bio-based polymer		<b>C</b>	<b>C1</b>		<b>E</b>	<b>F</b>	<b>H</b>	<b>kg</b>
			G3/4	G1/4	6355 13 27WP2	10	32	23.5	0.050

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

# Tube-to-Tube Fittings



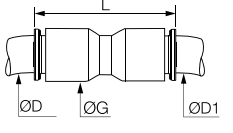
## 6306 Equal and Unequal Tube-to-Tube Connector

		Bio-based polymer, EPDM		ØD	ØD1		G	L	kg
		4	4	6306 04 00WP2	8.5	26.5	0.002		
			6	6306 04 06WP2	10.5	29	0.002		
			8	6306 04 08WP2	13.5	37	0.005		
		6	6	6306 06 00WP2	10.5	30	0.004		
			8	6306 06 08WP2	13.5	37	0.005		
			10	6306 06 10WP2	16	42	0.007		
		8	8	6306 08 00WP2	13.5	37	0.004		
			10	6306 08 10WP2	16	42	0.007		
			12	6306 08 12WP2	19	50	0.012		
		10	10	6306 10 00WP2	16	42	0.009		
			12	6306 10 12WP2	19	50	0.013		
				12	12	6306 12 00WP2	19	50.5	0.009

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).



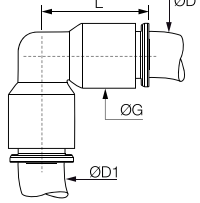
## 6306 Equal and Unequal Tube-to-Tube Connector

Inch

		Bio-based polymer, EPDM		ØD	ØD1		G	L	kg
		5/16	3/8	6306 08 60WP2	16	42	0.008		
			1/2	6306 08 62WP2	22	55	0.018		
		1/4	1/4	6306 56 00WP2	11	30	0.002		
			5/16	6306 56 08WP2	13.5	37	0.007		
		3/8	3/8	6306 56 60WP2	16	41	0.007		
			1/2	6306 60 00WP2	16	42	0.006		
		3/8	1/2	6306 60 62WP2	22	56	0.020		
			1/2	6306 62 00WP2	22	57	0.016		

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).



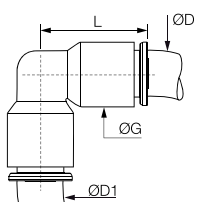
## 6302 Equal and Unequal Elbow

		Bio-based polymer, EPDM		ØD	ØD1		G	L	kg
		4	4	6302 04 00WP2	8.5	19	0.002		
			6	6302 04 06WP2	10.5	24	0.004		
		6	6	6302 06 00WP2	10.5	24	0.004		
			8	6302 06 08WP2	13.5	29.5	0.006		
		8	8	6302 08 00WP2	13.5	29	0.004		
			10	6302 08 10WP2	16	34.5	0.008		
		10	10	6302 10 00WP2	16	34.5	0.005		
			12	6302 10 12WP2	19	40.5	0.013		
				12	12	6302 12 00WP2	19	40.5	0.010

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6302 Equal and Unequal Elbow


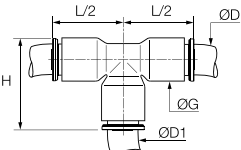

Inch

		Bio-based polymer, EPDM		ØD	ØD1		G	L	kg
		5/16	3/8	6302 08 60WP2	16	34	0.009		
			1/4	6302 56 00WP2	11	24	0.005		
		1/4	5/16	6302 56 08WP2	13.5	29.5	0.006		
			3/8	6302 56 60WP2	16	34	0.008		
		3/8	3/8	6302 60 00WP2	16	34	0.006		
			1/2	6302 60 62WP2	22	46.5	0.011		
				1/2	1/2	6302 62 00WP2	22	46.5	0.017

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

# Tube-to-Tube Fittings


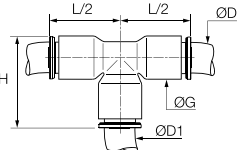

## 6304 Equal Tee

 	Bio-based polymer, EPDM			<b>ØD</b>	<b>ØD1</b>		<b>G</b>	<b>H</b>	<b>L/2</b>	<b>kg</b>
	4	4	<a href="#">6304 04 00WP2</a>	8.5	20	15.5	0.004			
	6	6	<a href="#">6304 06 00WP2</a>	10.5	23	18	0.006			
	8	8	<a href="#">6304 08 00WP2</a>	13.5	29	22.5	0.006			
	10	10	<a href="#">6304 10 00WP2</a>	16	34.5	26.5	0.009			
	12	12	<a href="#">6304 12 00WP2</a>	19	40	31	0.014			

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).


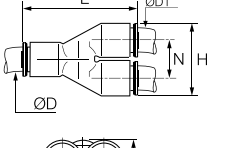

## 6304 Equal and Unequal Tee

Inch

 	Bio-based polymer, EPDM			<b>ØD</b>	<b>ØD1</b>		<b>G</b>	<b>H</b>	<b>L/2</b>	<b>kg</b>
	1/4	1/4	<a href="#">6304 56 00WP2</a>	11	24	18	0.002			
	3/8	3/8	<a href="#">6304 60 00WP2</a>	16	34	26	0.009			
		1/4	<a href="#">6304 60 56WP2</a>	16	34	26	0.011			
	1/2	1/2	<a href="#">6304 62 00WP2</a>	22	47	36	0.027			
		3/8	<a href="#">6304 62 60WP2</a>	22	47	36	0.009			

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
5/32" (4 mm) and 5/16" (8 mm) also available.


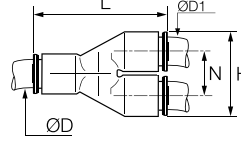

## 6340 Equal Single Y Piece

 	Bio-based polymer, EPDM			<b>ØD</b>	<b>ØD1</b>		<b>H</b>	<b>K</b>	<b>L</b>	<b>N</b>	<b>kg</b>
	4	4	<a href="#">6340 04 00WP2</a>	17.5	8.5	30	9	0.004			
	6	6	<a href="#">6340 06 00WP2</a>	21.5	10.5	36.5	11	0.008			
	8	8	<a href="#">6340 08 00WP2</a>	28	13.5	44.5	14.5	0.007			
	10	10	<a href="#">6340 10 00WP2</a>	33	16	53	17	0.010			
	12	12	<a href="#">6340 12 00WP2</a>	39	19	60.5	20	0.025			

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6340 Equal Single Y Piece


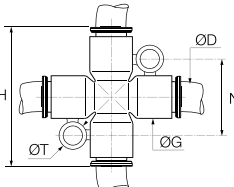

Inch

 	Bio-based polymer, EPDM			<b>ØD</b>	<b>ØD1</b>		<b>H</b>	<b>K</b>	<b>L</b>	<b>N</b>	<b>kg</b>
	1/4	1/4	<a href="#">6340 56 00WP2</a>	22	11	36	11.5	0.010			
	3/8	3/8	<a href="#">6340 60 00WP2</a>	33	16	53	17	0.011			
	1/2	1/2	<a href="#">6340 62 00WP2</a>	45	22	67	23	0.028			

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
5/32" (4 mm) and 5/16" (8 mm) also available.


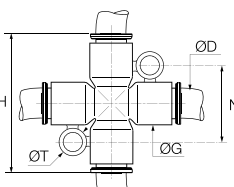

# Tube-to-Tube and Bulkhead Connectors

## 6307 Equal Cross

		Bio-based polymer, EPDM		<b>ØD</b>		<b>G</b>	<b>H</b>	<b>N</b>	<b>ØT</b>	<b>kg</b>
		6	<a href="#">6307 06 00WP2</a>	11	36	20	4.2	0.005		
		8	<a href="#">6307 08 00WP2</a>	13.5	45	22.5	4.2	0.020		


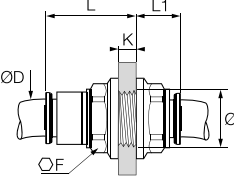

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6307 Equal Cross Inch

		Bio-based polymer, EPDM		<b>ØD</b>		<b>G</b>	<b>H</b>	<b>N</b>	<b>ØT</b>	<b>kg</b>
		1/4	<a href="#">6307 56 00WP2</a>	11	36	20	4.2	0.010		


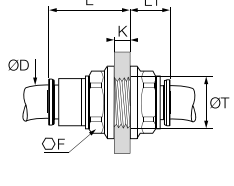

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
5/16" (8 mm) also available.

## 6316 Equal Bulkhead Connector

		Bio-based polymer, EPDM		<b>ØD</b>		<b>F</b>	<b>K max</b>	<b>L</b>	<b>L1</b>	<b>ØT min</b>	<b>kg</b>
		4	<a href="#">6316 04 00WP2</a>	13	5.5	15.5	10.5	10.5	0.018		
		6	<a href="#">6316 06 00WP2</a>	15	8.5	20	10	12.5	0.004		
		8	<a href="#">6316 08 00WP2</a>	18	14.5	27	10.5	15.5	0.007		
		10	<a href="#">6316 10 00WP2</a>	22	14.5	30	13	18.5	0.012		
		12	<a href="#">6316 12 00WP2</a>	26	18.5	35	15.5	22.5	0.020		

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6316 Equal Bulkhead Union Inch

		Bio-based polymer, EPDM		<b>ØD</b>		<b>F</b>	<b>K max</b>	<b>L</b>	<b>L1</b>	<b>ØT min</b>	<b>kg</b>
		1/4	<a href="#">6316 56 00WP2</a>	15	8.5	20	10	12.5	0.004		
		3/8	<a href="#">6316 60 00WP2</a>	22	14.5	29.5	12.5	18.5	0.012		
		1/2	<a href="#">6316 62 00WP2</a>	29	20.5	40.5	17	25.5	0.030		

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
5/32" (4 mm) and 5/16" (8 mm) also available.



# Plug-In Fittings

## 6382 Equal and Unequal Plug-In Elbow

ØD	ØD1	L	G	H	H1	H2	L	kg
4	4		8.5	23	6	15.5	15	0.003
	6		10.5	26.5	7	17	16.5	0.002
6	6		10.5	26.5	7	17	17	0.003
	4		10.5	25	7	15.5	17	0.001
8	8		13.5	33.5	8	21.5	22.5	0.004
	10		16	39	9.5	24.5	26	0.007
10	10		16	39	9.5	24.5	26.5	0.004
	12		19	44.5	10	27	30	0.011
12	12		19	44.5	10	27	31	0.012

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6382 Equal and Unequal Plug-In Elbow

Inch

ØD	ØD1	L	G	H	H1	H2	L	kg
5/16	3/8		16	39	10	24.5	26	0.009
1/4	1/4		11	30.5	11	18	18	0.002
	3/8		16	39	9	24.5	25.5	0.006
3/8	3/8		16	39	9	24.5	26.5	0.005
1/2	1/2		22	49	13	28.5	36	0.011

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
Equal plug-in elbow: 5/32" (4 mm) and 5/16" (8 mm) also available.

## 6380 Plug-In 45° Equal Elbow

ØD	ØD1	L	G	H	H1	H2	L	kg
4	4		8.5	33.5	19	21	13	0.001
6	6		11	39	21	25	14.5	0.002
8	8		13.5	44	21.5	25.5	19.5	0.006
10	10		16	53	27	32.5	23	0.004
12	12		19	58	27	34	26	0.012

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6383 Plug-In Equal Run Tee

ØD	ØD1	L	G	H	H1	H2	L	kg
4	4		8.5	33	6	15.5	15	0.002
6	6		10.5	38.5	7	17	18	0.002
8	8		13.5	49	8	21.5	23	0.005
10	10		16	57	10.5	25.5	26.5	0.012
12	12		19	65	10.5	27	31	0.016

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6388 Plug-In Equal Branch Tee


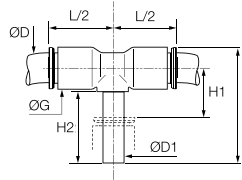

ØD	ØD1	L	G	H	H1	H2	L/2	kg
4	4		8.5	25	6	15.5	15	0.005
6	6		10.5	28.5	7	17	16	0.006
8	8		13.5	33.5	8	21.5	23	0.005
10	10		16	41	9.5	24.5	26.5	0.007
12	12		19	46.5	10	27	31	0.016

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

# Plug-In Fittings and Accessories


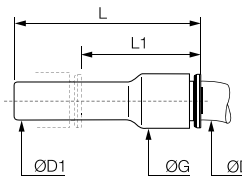

## 6388 Plug-In Equal Branch Tee

Inch

	<p>Bio-based polymer, EPDM</p> 	<b>ØD</b> <b>ØD1</b> 	<b>G</b>	<b>H</b>	<b>H1</b>	<b>H2</b>	<b>L/2</b>	<b>kg</b>
		1/4   1/4 <a href="#">6388 56 00WP2</a>	11	30.5	11	20	18	0.002
		3/8   3/8 <a href="#">6388 60 00WP2</a>	16	42	12	25	25	0.008
		1/2   1/2 <a href="#">6388 62 00WP2</a>	22	51	13	29	32	0.020

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
5/32" (4 mm) and 5/16" (8 mm) also available.


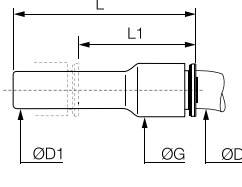

## 6366 Plug-In Reducer

	<p>Bio-based polymer, EPDM</p> 	<b>ØD</b> <b>ØD1</b> 	<b>G</b>	<b>L</b>	<b>L1</b>	<b>kg</b>
		4   6 <a href="#">6366 04 06WP2</a>	8.5	38	23.5	0.004
		4   8 <a href="#">6366 04 08WP2</a>	8.5	38	19	0.004
		6   8 <a href="#">6366 06 08WP2</a>	10.5	38	20	0.004
		6   10 <a href="#">6366 06 10WP2</a>	10.5	39	17.5	0.002
		8   10 <a href="#">6366 08 10WP2</a>	13.5	48.5	28.5	0.009
		8   12 <a href="#">6366 08 12WP2</a>	13.5	48.5	24.5	0.004
		10   12 <a href="#">6366 10 12WP2</a>	16	52	33.5	0.005
		10   14 <a href="#">6366 10 14WP2</a>	16	53	33.5	0.005
		12   14 <a href="#">6366 12 14WP2</a>	19	55.5	33.5	0.023

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6366 Plug-In Reducer


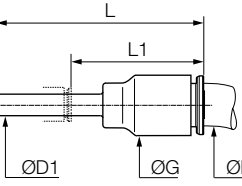

Inch

	<p>Bio-based polymer, EPDM</p> 	<b>ØD</b> <b>ØD1</b> 	<b>G</b>	<b>L</b>	<b>L1</b>	<b>kg</b>
		1/4   5/16 <a href="#">6366 56 08WP2</a>	11	41	22.5	0.015
		1/4   3/8 <a href="#">6366 56 60WP2</a>	11	41	20.5	0.002
		5/16   3/8 <a href="#">6366 08 60WP2</a>	13.5	48.5	29	0.003
		5/16   1/2 <a href="#">6366 08 62WP2</a>	16	48.5	22	0.007
		3/8   1/2 <a href="#">6366 60 62WP2</a>	16	51	30	0.011

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters). 5/32" (4 mm) and 5/16" (8 mm) also available.


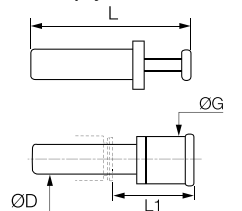

## 6368 Plug-In Increaser

Inch

	<p>Bio-based polymer, EPDM</p> 	<b>ØD</b> <b>ØD1</b> 	<b>G</b>	<b>L</b>	<b>L1</b>	<b>kg</b>
		3/8   5/16 <a href="#">6368 60 08WP2</a>	16	44	25.5	0.004

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6326 Blanking Plug


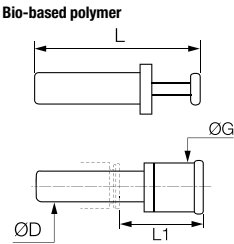

	<p>Bio-based polymer</p> 	<b>ØD</b> 	<b>G</b>	<b>L</b>	<b>L1</b>	<b>kg</b>
		4 <a href="#">6326 04 00WP2</a>	6	30	15.5	0.001
		6 <a href="#">6326 06 00WP2</a>	8	33	16.5	0.001
		8 <a href="#">6326 08 00WP2</a>	10	35	17.5	0.002
		10 <a href="#">6326 10 00WP2</a>	12	42	21	0.003
		12 <a href="#">6326 12 00WP2</a>	14	45	22	0.004

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

# Accessories


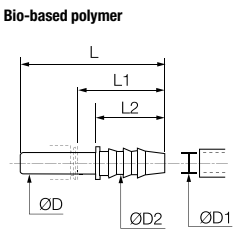

## 6326 Blanking Plug

Inch

	<p>Bio-based polymer</p> 	<b>ØD</b>		<b>G</b>	<b>L</b>	<b>L1</b>	<b>kg</b>
		1/4	<a href="#">6326 56 00WP2</a>	8	36.5	22	0.001
		3/8	<a href="#">6326 60 00WP2</a>	11.6	42.5	22	0.002
		1/2	<a href="#">6326 62 00WP2</a>	14.7	48.5	21.5	0.004

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
5/32 (4 mm) and 5/16 (8 mm) also available


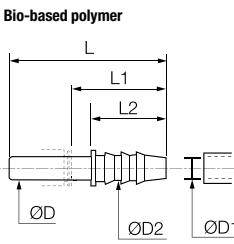

## 6322 Plug-In Barb Connector

	<p>Bio-based polymer</p> 	<b>ØD</b>	<b>ØD1</b>	<b>ØD2</b>		<b>L</b>	<b>L1</b>	<b>L2</b>	<b>kg</b>
		6	4	7	<a href="#">6322 06 04WP2</a>	39	25	17	0.004
		8	6	8.5	<a href="#">6322 08 06WP2</a>	43	25	17	0.005
		10	7	8	<a href="#">6322 10 07WP2</a>	50	29.5	22	0.006
		12	12.5	15.5	<a href="#">6322 12 62WP2</a>	56	32	27.5	0.004

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).


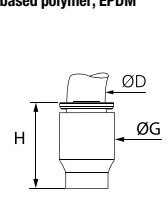

## 6322 Plug-In Barb Connector

Inch

	<p>Bio-based polymer</p> 	<b>ØD</b>	<b>ØD1</b>	<b>ØD2</b>		<b>L</b>	<b>L1</b>	<b>L2</b>	<b>kg</b>
		1/4	0.28	0.32	<a href="#">6322 56 56WP2</a>	39	24.5	17	0.001
			0.33	0.38	<a href="#">6322 60 08WP2</a>	50	29.5	22	0.001
		3/8	0.28	0.32	<a href="#">6322 60 56WP2</a>	45	24.5	17	0.008
			0.40	0.45	<a href="#">6322 60 60WP2</a>	50	29	22	0.002
		1/2	0.40	0.45	<a href="#">6322 62 60WP2</a>	58	37.5	30	0.005

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).


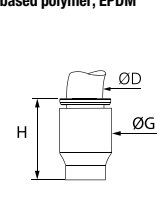

## 6351 End Cap

	<p>Bio-based polymer, EPDM</p> 	<b>ØD</b>		<b>G</b>	<b>H</b>	<b>kg</b>
		4	<a href="#">6351 04 00WP2</a>	8.5	15	0.001
		6	<a href="#">6351 06 00WP2</a>	10.5	17	0.002
		8	<a href="#">6351 08 00WP2</a>	13.5	21.5	0.003
		10	<a href="#">6351 10 00WP2</a>	16	22	0.003
		12	<a href="#">6351 12 00WP2</a>	19	27.5	0.006

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

## 6351 End Cap


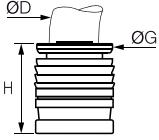


Inch

	<p>Bio-based polymer, EPDM</p> 	<b>ØD</b>		<b>G</b>	<b>H</b>	<b>kg</b>
		1/4	<a href="#">6351 56 00WP2</a>	11	16	0.001
		3/8	<a href="#">6351 60 00WP2</a>	16	22.5	0.003


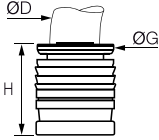


These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).  
5/32" (4 mm) and 5/16" (8 mm) also available.

# Polymer Cartridges for Fluids and Gases

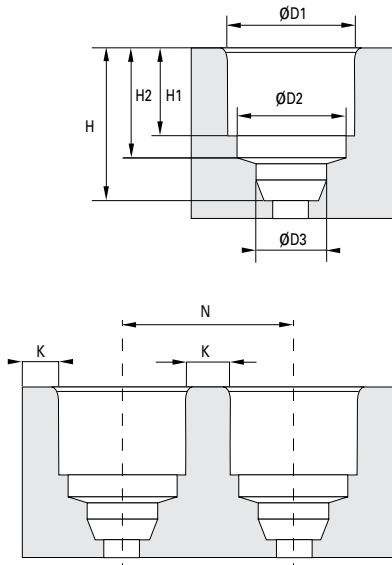
## 6300 LIQUIfit® Cartridge

	Brass, EPDM 	<b>ØD</b> 	<b>G</b>	<b>G1</b>	<b>H</b>	<b>L</b>	<b>kg</b>	
		4 <b>6300 04 00</b> 6 <b>6300 06 00</b> 8 <b>6300 08 00</b> 10 <b>6300 10 00</b> 12 <b>6300 12 00</b>	8	11	10	554	0.002	
		50 cartridges per Carstick®						

## 6300 LIQUIfit® Cartridge Inch

	Brass, EPDM 	<b>ØD</b> 	<b>G</b>	<b>G1</b>	<b>H</b>	<b>L</b>	<b>kg</b>	
		1/4 <b>6300 56 00</b> 3/8 <b>6300 60 00</b> 1/2 <b>6300 62 00</b>	10.5	14.5	12.5	600	0.002	
		50 cartridges per Carstick® 5/32" (4 mm) and 5/16" (8 mm) also available						

## LIQUIfit® Cavity Dimensions



### LIQUIfit® Carstick® Metric

Cavity	ØD3	H	H1	H2
4	4.1	10	6	8.15
6	6.1	12	7.5	9.65
8	8.15	15.5	9.9	12.45
10	10.25	19	11.7	14.35
12	12.17	22	13.9	16.75

### LIQUIfit® Carstick® Inch

Cavity	ØD3	H	H1	H2
1/8	3.25	7.45	5.3	9.5
5/32*	4.1	8.15	6	10
1/4	6.45	10.15	8	12.5
5/16*	8.15	12.45	9.9	15.5
3/8	9.65	14.35	11.7	19

### Polyamide Cavity

Cavity	ØD1	ØD2	N	K
4	8.25	7.05	9.8	1.5
6	10.2	9.15	12.2	2
8	12.15	10.85	14.2	2
10	14.8	13.2	16.8	2
12	17.5	15.5	20	2.5

Cavity	ØD1	ØD2	N	K
1/8	7.05	6.02	8.6	1.5
5/32*	8.25	7.05	9.75	1.5
1/4	10.55	9.35	12.6	2
5/16*	12.15	10.85	14.2	2
3/8	14.8	13.1	16.8	2

### Aluminium Cavity

Cavity	ØD1	ØD2	N	K
4	8.25	7.5	11.5	3
6	10.3	9.15	13.5	3
8	12.2	10.85	15.2	3
10	15.05	13.2	17.1	2
12	17.5	15.5	20	2.5

Cavity	ØD1	ØD2	N	K
1/8	7.1	6.2	8.6	1.5
5/32*	8.25	7.05	11.25	3
1/4	10.6	9.35	12.65	2
5/16*	12.2	10.85	15.2	3
3/8	15.05	13.1	17.1	2

### Brass Cavity

Cavity	ØD1	ØD2	N	K
4	8.25	7.05	10.25	2
6	10.25	9.1	12.25	2
8	12.2	10.85	14.25	2
10	15.05	13.2	17.1	2
12	17.65	15.5	20	2.5

Cavity	ØD1	ØD2	N	K
1/8	7.1	6.2	8.6	1.5
5/32*	8.25	7.05	10.25	2
1/4	10.6	9.35	12.65	2
5/16*	12.2	10.85	14.25	2
3/8	10.05	13.1	17.1	2



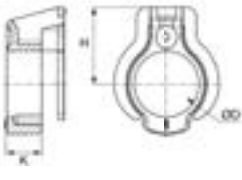
\*5/32" = 4 mm and 5/16" = 8 mm

Please consult us for detailed drawings of cavity dimensions and tolerances.


All our dimensions are in millimeters.

# Accessories







## 3130 Tamper-Proof Safety Clip

Technical polymer	ØD							H	K	kg
	4	<a href="#">3130 04 01</a>	<a href="#">3130 04 02</a>	<a href="#">3130 04 03</a>	<a href="#">3130 04 04</a>	<a href="#">3130 04 05</a>	<a href="#">3130 04 10</a>	6.60	3.00	0.001
	6	<a href="#">3130 06 01</a>	<a href="#">3130 06 02</a>	<a href="#">3130 06 03</a>	<a href="#">3130 06 04</a>	<a href="#">3130 06 05</a>	<a href="#">3130 06 10</a>	7.80	3.10	0.001
	8	<a href="#">3130 08 01</a>	<a href="#">3130 08 02</a>	<a href="#">3130 08 03</a>	<a href="#">3130 08 04</a>	<a href="#">3130 08 05</a>	<a href="#">3130 08 10</a>	9.50	4.30	0.001
	10	<a href="#">3130 10 01</a>	<a href="#">3130 10 02</a>	<a href="#">3130 10 03</a>	<a href="#">3130 10 04</a>	<a href="#">3130 10 05</a>	<a href="#">3130 10 10</a>	10.80	4.20	0.002
	12	<a href="#">3130 12 01</a>	<a href="#">3130 12 02</a>	<a href="#">3130 12 03</a>	<a href="#">3130 12 04</a>	<a href="#">3130 12 05</a>	<a href="#">3130 12 10</a>	12.50	5.10	0.003
	14	<a href="#">3130 14 01</a>	<a href="#">3130 14 02</a>	<a href="#">3130 14 03</a>	<a href="#">3130 14 04</a>	<a href="#">3130 14 05</a>	<a href="#">3130 14 10</a>	12.50	5.10	0.004







## 3130 Tamper-Proof Safety Clip Inch

Technical polymer	ØD							H	K	kg
	1/4	<a href="#">3130 56 01</a>	<a href="#">3130 56 02</a>	<a href="#">3130 56 03</a>	<a href="#">3130 56 04</a>	<a href="#">3130 56 05</a>	<a href="#">3130 56 10</a>	7.80	3.10	0.001
	3/8	<a href="#">3130 60 01</a>	<a href="#">3130 60 02</a>	<a href="#">3130 60 03</a>	<a href="#">3130 60 04</a>	<a href="#">3130 60 05</a>	<a href="#">3130 60 10</a>	10.80	4.20	0.002
	1/2	<a href="#">3130 62 01</a>	<a href="#">3130 62 02</a>	<a href="#">3130 62 03</a>	<a href="#">3130 62 04</a>	<a href="#">3130 62 05</a>	<a href="#">3130 62 10</a>	12.50	5.10	0.003
	5/32" (4 mm) and 5/16" (8 mm) also available									



## 3110 Coloured Release Button Covers

Technical polymer	ØD						kg
	4	<a href="#">3110 04 00</a>	<a href="#">3110 04 02</a>	<a href="#">3110 04 03</a>	<a href="#">3110 04 04</a>	<a href="#">3110 04 05</a>	0.001
	6	<a href="#">3110 06 00</a>	<a href="#">3110 06 02</a>	<a href="#">3110 06 03</a>	<a href="#">3110 06 04</a>	<a href="#">3110 06 05</a>	0.001
	8	<a href="#">3110 08 00</a>	<a href="#">3110 08 02</a>	<a href="#">3110 08 03</a>	<a href="#">3110 08 04</a>	<a href="#">3110 08 05</a>	0.001
	10	<a href="#">3110 10 00</a>	<a href="#">3110 10 02</a>	<a href="#">3110 10 03</a>	<a href="#">3110 10 04</a>	<a href="#">3110 10 05</a>	0.001
	12	<a href="#">3110 12 00</a>	<a href="#">3110 12 02</a>	<a href="#">3110 12 03</a>	<a href="#">3110 12 04</a>	<a href="#">3110 12 05</a>	0.001
	14	<a href="#">3110 14 00</a>	<a href="#">3110 14 02</a>	<a href="#">3110 14 03</a>	<a href="#">3110 14 04</a>	<a href="#">3110 14 05</a>	0.002




## 3110 Coloured Release Button Covers Inch

Technical polymer	ØD						kg
	1/4	<a href="#">3110 56 00</a>	<a href="#">3110 56 02</a>	<a href="#">3110 56 03</a>	<a href="#">3110 56 04</a>	<a href="#">3110 56 05</a>	0.001
	3/8	<a href="#">3110 60 00</a>	<a href="#">3110 60 02</a>	<a href="#">3110 60 03</a>	<a href="#">3110 60 04</a>	<a href="#">3110 60 05</a>	0.001
	1/2	<a href="#">3110 62 00</a>	<a href="#">3110 62 02</a>	<a href="#">3110 62 03</a>	<a href="#">3110 62 04</a>	<a href="#">3110 62 05</a>	0.001
	5/32" (4 mm) and 5/16" (8 mm) also available						

## 0605 Fluoropolymer Tape

FKM		kg
	<a href="#">0605 12 12</a>	0.012
<p>Can be used for temperatures from - 250°C to +260°C.            Chemically inert and resistant to gases, acids, solvents, hydrocarbons, oils, alkalines, steam, etc.            Non-toxic, waterproof, self-lubricating.            In accordance with CFR21.            Can be used on all materials.            Used to facilitate the preparation of leak-free threaded joints.            Supplied on a reel: length = 12 m; width = 12.7 mm; thickness = 0.08 mm.</p>		

## 3000 71 00 Tube Cutter

Technical polymer		H	L	kg
	<a href="#">3000 71 00</a>	25	79	0.029
	<p>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.</p>			

# LIQUIfit+ Push-In Fittings

For the transfer of sensitive fluids, the LIQUIfit+ range **reduces the growth of bacteria** in your circuits **for 100% cleanliness after cleaning**, and can be **directly** connected to stainless steel tubing, without grooving.

## Product Advantages

### Zero Retention for 100% Cleanliness

- Up to 10 times less microbial growth within the fitting
- Elimination of 99.9% of bacteria during cleaning operations
- No degradation of the beverage taste
- Preservation of the integrity of sensitive or industrial fluids
- Extension of the fitting's life due to the absence of bacteria after cleaning

### Quality & Reliability

- 100% leak-tested in production
- Date coding to guarantee quality and traceability
- Quality approved for contact with food
- Excellent chemical resistance (chlorine, cleaning agents, UV...)
- Excellent long-term mechanical resistance
- Safety clip to avoid any untimely disconnection

### Innovative Technology

- Patented push-in connection, unique on stainless steel tubing for diameters 5/16" and 1/2" (without preparation) and on polymer tubing
- Extremely compact
- 100% bio-based material
- Patented sealing technology (FR29461418)
- No tube movement after connection



- Applications**
- Food Process
  - Medical
  - Beverage Dispensers
  - Pharmaceutical
  - Chemical
  - Brewing

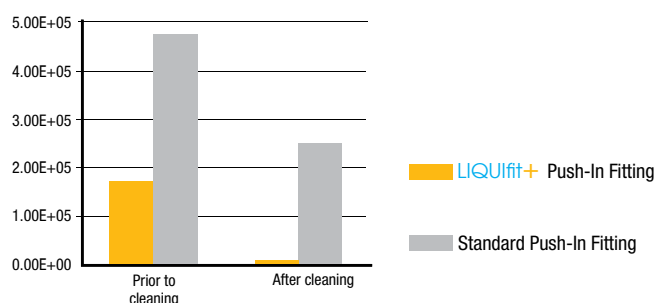
## Technical Characteristics

<b>Compatible Fluids</b>	Beer, water, beverages, industrial fluids
<b>Working Pressure</b>	Vacuum to 16 bar
<b>Working Temperature</b>	-10°C to +95°C (see LIQUIfit® chart p. 13)

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used. The use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

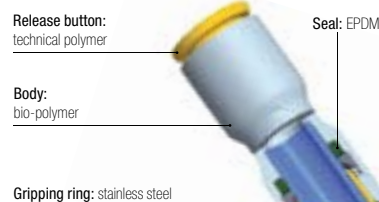
### Cleaning Efficiency

Comparison of the contamination by micro-organisms before and after cleaning operations (cfu/surface)\*



\*Tests carried out by an independent laboratory

### Component Materials



### Silicone-free

### Regulations


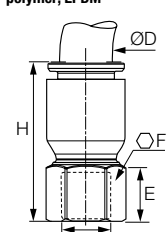

- DI: 2002/95/EC (RoHS), 2011/65/EC
- RG: 1935/2004/EC
- FDA: 21 CFR
- NSF51
- NSF/ANSI 61 - C HOT
- WRAS
- RG: 1907/2006 (REACH)



# LIQUIfit+ Push-In Fittings

## 6333 Stud Fitting, Female BSPP Thread


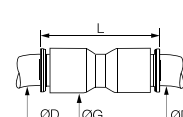

Inch

	Bio-polymer, EPDM 	ØD C 	E	F	H	kg
		3/8 G1/2 <a href="#">6333 60 21WP3</a>	14	11	30	0.010
		3/8 G5/8 <a href="#">6333 60 23WP3</a>	14	13	36	0.016

WP3 suffix = high volume (number of parts per bag: 40, 50 or 100 depending on the diameters).

## 6336 Equal and Unequal Tube-to-Tube Connector


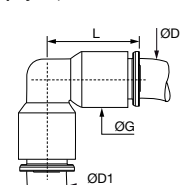

Inch

	Bio-polymer, EPDM 	ØD ØD1 	ØG	L	kg
		5/16 <a href="#">6336 08 00WP3</a>	13.5	37	0.004
		5/16 <a href="#">6336 08 60WP3</a>	16	42	0.008
		1/2 <a href="#">6336 08 62WP3</a>	22	55	0.016
		3/8 <a href="#">6336 60 00WP3</a>	16	42	0.006
		3/8 <a href="#">6336 60 62WP3</a>	22	56	0.020
1/2 <a href="#">6336 62 00WP3</a>	22	57	0.016		

WP3 suffix = high volume (number of parts per bag: 40, 50 or 100 depending on the diameters).

## 6332 Equal and Unequal Elbow


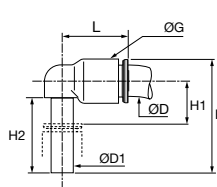

Inch

	Bio-polymer, EPDM 	ØD ØD1 	ØG	L	kg
		5/16 <a href="#">6332 08 00WP3</a>	13.5	29	0.004
		5/16 <a href="#">6332 08 60WP3</a>	16	34	0.009
		3/8 <a href="#">6332 60 00WP3</a>	16	34	0.006
		3/8 <a href="#">6332 60 62WP3</a>	22	46.5	0.011
		1/2 <a href="#">6332 62 00WP3</a>	22	46.5	0.017

WP3 suffix = high volume (number of parts per bag: 40, 50 or 100 depending on the diameters).

## 6331 Equal Plug-In Elbow

Inch

	Bio-polymer, EPDM 	ØD ØD1 	ØG	H	H1	H2	L	kg
		5/16 5/16 <a href="#">6331 08 00WP3</a>	13.5	33.5	8	21.5	22.5	0.004
		3/8 3/8 <a href="#">6331 60 00WP3</a>	16	39	9	24.5	26.5	0.005

WP3 suffix = high volume (number of parts per bag: 40, 50 or 100 depending on the diameters).

### Use with Stainless Steel Tubing

- Valid exclusively for diameters 5/16" and 1/2".
- These fittings are approved for use with 304 and 316L stainless steel tubing, 160 Hv, with tolerances on the external diameter +0.05/-0.10 mm.
- Carefully deburr the stainless steel tube end.
- For easy disconnection, press firmly on the release button.
- After 5 connections/disconnections, we recommend that you change the fitting.



# LIQUIfit® Push-In Fittings with Metal Adaptors

The LIQUIfit® range now benefits from a range extension of **metal adaptors** designed for **liquid transfer applications**. These fittings ensure **reliable** and **compact** connections combined with **excellent robustness**.

## Product Advantages

### Innovative Technology & Concept

- Ergonomic and aesthetic design
- Compact product for water applications
- Easy-to-clean external surfaces
- Full flow
- Use with a pre-prepared metallic tubing
- Gripping system preventing any pumping effect

### Optimal Performance

- Patented sealing technology
- 100% leak-tested in production
- Date coding to guarantee quality and traceability
- Wide range of shapes and numerous configurations
- Excellent robustness for a long lifespan

### High Performance Material

- Bio-sourced polymer body meeting the most severe food process regulations
- Compatibility with beverages (stainless steel version)
- Unsurpassed chemical and mechanical resistance, even at high temperatures
- Free of bisphenol A and phtalates, conforming with regulations



Industrial Fluids  
Beverage Process  
Inert Gases  
Cooling Systems  
Food Process

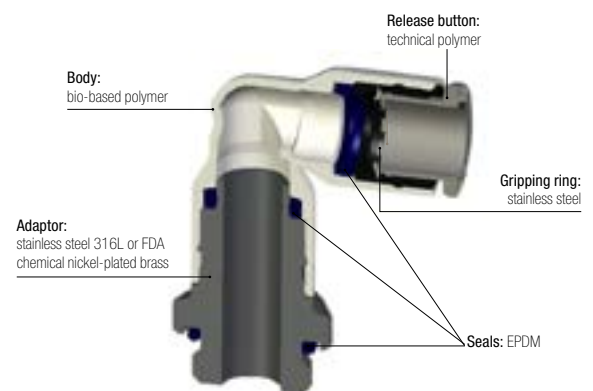
Applications

## Technical Characteristics

<b>Compatible Fluids</b>	Water, beverages, industrial fluids: stainless steel threads Industrial fluids: FDA chemical nickel-plated brass threads					
<b>Working Pressure</b>	Vacuum to 16 bar					
<b>Working Temperature</b>	-10°C to +95°C					
<b>Tightening Torques (BSPP)</b>	Thread	M5 X0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	0.16	0.8	1.2	3	3.5

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.  
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Component Materials





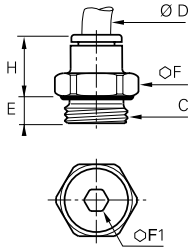
Silicone-free

### Regulations



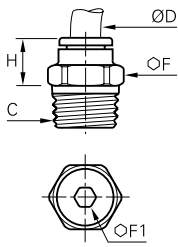
DI: 2002/95/EC (RoHS), 2011/65/EC  
RG: 1935/2004/EC  
FDA: 21 CFR  
NSF 51 (pending)  
NSF/ANSI 61 (pending, for stainless steel version only)  
RG: 1907/2006 (REACH)

# Stud Fittings with Stainless Steel Adaptor



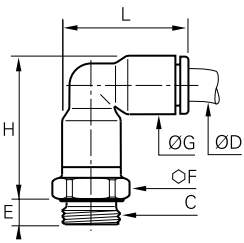
## 6911 Stud Fitting, Male BSPP and Metric Thread

Stainless steel 316L, EPDM		ØD	C		E	F	F1	H	Kg	
		4	M5x0.8	<a href="#">6911 04 19</a>	3	10	2.5	14	0.006	
			G1/8	<a href="#">6911 04 10</a>	4.5	13	3	11.5	0.007	
			G1/4	<a href="#">6911 04 13</a>	5.5	16	3	10.5	0.011	
		6		M5x0.8	<a href="#">6911 06 19</a>	3	10	2.5	16	0.005
				G1/8	<a href="#">6911 06 10</a>	4.5	13	4	13	0.007
				G1/4	<a href="#">6911 06 13</a>	5.5	16	4	12.5	0.011
		8		G1/8	<a href="#">6911 08 10</a>	4.5	13	5	20.5	0.011
				G1/4	<a href="#">6911 08 13</a>	5.5	16	6	19.5	0.016
				G3/8	<a href="#">6911 08 17</a>	5.5	21	6	18	0.022
		10		G1/4	<a href="#">6911 10 13</a>	5.5	16	7	23	0.018
				G3/8	<a href="#">6911 10 17</a>	5.5	21	8	19.5	0.021
				G1/2	<a href="#">6911 10 21</a>	7	24	8	18	0.033
12		G3/8	<a href="#">6911 12 17</a>	5.5	21	9	27	0.029		
		G1/2	<a href="#">6911 12 21</a>	7	24	10	22.5	0.035		

## 6975 Stud Fitting, Male BSPT Thread


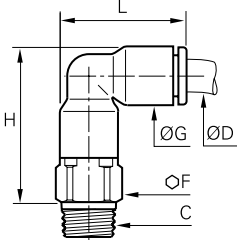

Stainless steel 316L, EPDM		ØD	C		F	F1	H	Kg	
		4	R1/8	<a href="#">6975 04 10</a>	10	3	9.5	0.005	
			R1/4	<a href="#">6975 04 13</a>	14	3	6.5	0.012	
		6		R1/8	<a href="#">6975 06 10</a>	10	4	11.5	0.005
				R1/4	<a href="#">6975 06 13</a>	14	4	8.5	0.011
		8		R1/8	<a href="#">6975 08 10</a>	13	5	20	0.011
				R1/4	<a href="#">6975 08 13</a>	14	6	17	0.014
		10		R3/8	<a href="#">6975 08 17</a>	17	6	13	0.021
				R1/4	<a href="#">6975 10 13</a>	16	7	20	0.017
				R3/8	<a href="#">6975 10 17</a>	17	8	16.5	0.019
				R1/2	<a href="#">6975 10 21</a>	21	8	14	0.037
		12		R3/8	<a href="#">6975 12 17</a>	19	9	24	0.028
				R1/2	<a href="#">6975 12 21</a>	21	10	19.5	0.036

## 6959 Stud Elbow, Male BSPP and Metric Thread


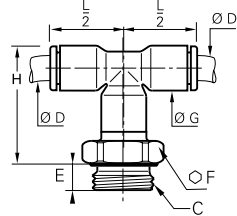

Bio-based polymer, stainless steel 316L, EPDM		ØD	C		E	F	G	H	L	Kg	
		4	M5x0.8	<a href="#">6959 04 19</a>	3.5	10	8.5	23	19	0.009	
			G1/8	<a href="#">6959 04 10</a>	4.5	13	8.5	22.5	19	0.009	
			G1/4	<a href="#">6959 04 13</a>	5.5	16	8.5	22.5	19	0.014	
		6		M5x0.8	<a href="#">6959 06 19</a>	3.5	10	10.5	26.5	22.5	0.008
				G1/8	<a href="#">6959 06 10</a>	4.5	13	10.5	26.5	22.5	0.011
				G1/4	<a href="#">6959 06 13</a>	5.5	16	10.5	26.5	22.5	0.016
		8		G1/8	<a href="#">6959 08 10</a>	4.5	13	13.5	35	29.5	0.018
				G1/4	<a href="#">6959 08 13</a>	5.5	16	13.5	33	29.5	0.020
				G3/8	<a href="#">6959 08 17</a>	5.5	21	13.5	33	29.5	0.028
		10		G1/4	<a href="#">6959 10 13</a>	5.5	16	16	40.5	34	0.029
				G3/8	<a href="#">6959 10 17</a>	5.5	21	16	39	34	0.037
				G1/2	<a href="#">6959 10 21</a>	7	24	16	39	34	0.042
		12		G3/8	<a href="#">6959 12 17</a>	5.5	21	19	42	40	0.040
				G1/2	<a href="#">6959 12 21</a>	7	24	19	42	40	0.049

# Stud Fittings with Stainless Steel Adaptor

## 6979 Stud Elbow, Male BSPT Thread


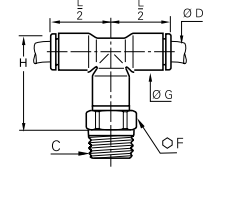

		<b>Bio-based polymer, stainless steel 316L, EPDM</b>		<b>ØD</b>	<b>C</b>		<b>F</b>	<b>G</b>	<b>H</b>	<b>L</b>	<b>Kg</b>
		4	R1/8	<a href="#">6979 04 10</a>	10	8.5	23	19	0.008		
		R1/4	<a href="#">6979 04 13</a>	14	8.5	23.5	19	0.018			
		6	R1/8	<a href="#">6979 06 10</a>	10	10.5	27	22.5	0.010		
		R1/4	<a href="#">6979 06 13</a>	14	10.5	27.5	22.5	0.020			
		8	R1/8	<a href="#">6979 08 10</a>	13	13.5	33.5	29.5	0.018		
		R1/4	<a href="#">6979 08 13</a>	14	13.5	32.5	29.5	0.022			
		R3/8	<a href="#">6979 08 17</a>	17	13.5	33	29.5	0.032			
		10	R1/4	<a href="#">6979 10 13</a>	15	16	39.5	34	0.031		
		R3/8	<a href="#">6979 10 17</a>	17	16	39.5	34	0.041			
		R1/2	<a href="#">6979 10 21</a>	21	16	39.5	34	0.060			
		12	R3/8	<a href="#">6979 12 17</a>	19	19	45.5	40.5	0.051		
		R1/2	<a href="#">6979 12 21</a>	21	19	45.5	40.5	0.065			

## 6958 Stud Branch Tee, Male BSPP and Metric Thread

		<b>Bio-based polymer, stainless steel 316L, EPDM</b>		<b>ØD</b>	<b>C</b>		<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>L/2</b>	<b>Kg</b>
		4	M5x0.8	<a href="#">6958 04 19</a>	3.5	10	8.5	24	14	0.010		
	G1/8	<a href="#">6958 04 10</a>	5	13	8.5	22	14	0.022				
	G1/4	<a href="#">6958 04 13</a>	5.5	16	8.5	22	14	0.012				
	6	M5x0.8	<a href="#">6958 06 19</a>	3.5	10	10.5	30	16	0.024			
	G1/8	<a href="#">6958 06 10</a>	5	13	10.5	28.5	16	0.022				
	G1/4	<a href="#">6958 06 13</a>	5.5	16	10.5	28.5	16	0.027				
	G1/8	<a href="#">6958 08 10</a>	4.5	13	13.5	38	23	0.039				
	8	G1/4	<a href="#">6958 08 13</a>	5.5	16	13.5	36	23	0.038			
	G3/8	<a href="#">6958 08 17</a>	5.5	21	13.5	36	23	0.050				
	G1/4	<a href="#">6958 10 13</a>	5.5	16	16	43	26.5	0.073				
	10	G3/8	<a href="#">6958 10 17</a>	5.5	21	16	43	26.5	0.062			
	G1/2	<a href="#">6958 10 21</a>	7.5	24	16	43	26.5	0.079				
	12	G3/8	<a href="#">6958 12 17</a>	5.5	21	19	45.5	31	0.026			
	G1/2	<a href="#">6958 12 21</a>	7	24	19	45.5	31	0.036				

These products are available upon request, with minimum order quantity of 100 pieces.


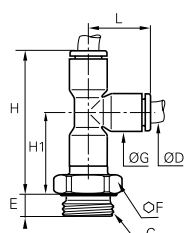

## 6978 Stud Branch Tee, Male BSPT Thread

		<b>Bio-based polymer, stainless steel 316L, EPDM</b>		<b>ØD</b>	<b>C</b>		<b>F</b>	<b>G</b>	<b>H</b>	<b>L/2</b>	<b>Kg</b>
		4	R1/8	<a href="#">6978 04 10</a>	10	8.5	17	14	0.009		
	R1/4	<a href="#">6978 04 13</a>	14	8.5	17	14	0.020				
	6	R1/8	<a href="#">6978 06 10</a>	10	10.5	23	16	0.011			
	R1/4	<a href="#">6978 06 13</a>	14	10.5	23	16	0.022				
	R1/8	<a href="#">6978 08 10</a>	13	13.5	30	23	0.020				
	8	R1/4	<a href="#">6978 08 13</a>	14	13.5	30	23	0.024			
	R3/8	<a href="#">6978 08 17</a>	17	13.5	30	23	0.035				
	R1/4	<a href="#">6978 10 13</a>	15	16	34.5	26.5	0.034				
	10	R3/8	<a href="#">6978 10 17</a>	17	16	34.5	26.5	0.045			
	R1/2	<a href="#">6978 10 21</a>	21	16	34.5	26.5	0.066				
	R3/8	<a href="#">6978 12 17</a>	19	19	40.5	31	0.056				
	R1/2	<a href="#">6978 12 21</a>	21	19	40.5	31	0.072				

These products are available upon request, with minimum order quantity of 100 pieces.


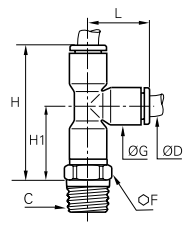

# Stud Fittings with Stainless Steel Adaptor

## 6953 Stud Run Tee, Male BSPP and Metric Thread

	Bio-based polymer, stainless steel 316L, EPDM			<b>ØD</b>	<b>C</b>		<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>H1</b>	<b>L</b>	<b>Kg</b>
	4	M5x0.8		<a href="#">6953 04 19</a>	3.5	10		8.5	32	19	14.5	0.010	
	G1/8	<a href="#">6953 04 10</a>	5	13		8.5	30	18	14.5	0.022			
	G1/4	<a href="#">6953 04 13</a>	5.5	16		8.5	30	18	14.5	0.012			
	M5x0.8	<a href="#">6953 06 19</a>	3.5	10		10.5	39	23	17.5	0.024			
	G1/8	<a href="#">6953 06 10</a>	5	13		10.5	38	22	17.5	0.022			
	G1/4	<a href="#">6953 06 13</a>	5.5	16		10.5	38	22	17.5	0.027			
	G1/8	<a href="#">6953 08 10</a>	4.5	13		13.5	54	31	23	0.039			
	G1/4	<a href="#">6953 08 13</a>	5.5	16		13.5	52	29	23	0.038			
	G3/8	<a href="#">6953 08 17</a>	5.5	21		13.5	52	29	23	0.050			
	G1/4	<a href="#">6953 10 13</a>	5.5	16		16	61	35	26.5	0.073			
	G3/8	<a href="#">6953 10 17</a>	5.5	21		16	61	35	26.5	0.062			
	G1/2	<a href="#">6953 10 21</a>	7.5	24		16	61	35	26.5	0.079			
	G3/8	<a href="#">6953 12 17</a>	5.5	21		19	67	36	31	0.026			
	G1/2	<a href="#">6953 12 21</a>	7	24		19	67	36	31	0.042			

These products are available upon request, with minimum order quantity of 100 pieces.


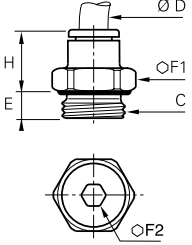


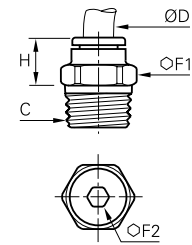
## 6973 Stud Run Tee, Male BSPT Thread

	Bio-based polymer, stainless steel 316L, EPDM			<b>ØD</b>	<b>C</b>		<b>F</b>	<b>G</b>	<b>H</b>	<b>H1</b>	<b>L</b>	<b>Kg</b>
	4	R1/8		<a href="#">6973 04 10</a>	10	8.5		31	18	14.5	0.009	
	R1/4	<a href="#">6973 04 13</a>	14	8.5		31	19	14.5	0.020			
	R1/8	<a href="#">6973 06 10</a>	10	10.5		38	22	17.5	0.011			
	R1/4	<a href="#">6973 06 13</a>	14	10.5		39	23	17.5	0.022			
	R1/8	<a href="#">6973 08 10</a>	13	13.5		53	30	23	0.020			
	R1/4	<a href="#">6973 08 13</a>	14	13.5		52	29	23	0.024			
	R3/8	<a href="#">6973 08 17</a>	17	13.5		52	29	23	0.035			
	R1/4	<a href="#">6973 10 13</a>	15	16		61	35	26.5	0.034			
	R3/8	<a href="#">6973 10 17</a>	17	16		61	35	26.5	0.045			
	R1/2	<a href="#">6973 10 21</a>	21	16		61	35	26.5	0.066			
	R3/8	<a href="#">6973 12 17</a>	19	19		70	39	31	0.056			
	R1/2	<a href="#">6973 12 21</a>	21	19		70	39	31	0.072			


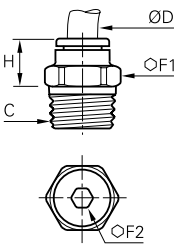


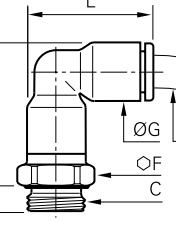
These products are available upon request, with minimum order quantity of 100 pieces.

# Stud Fittings with FDA Chemical Nickel-Plated Brass Adaptor


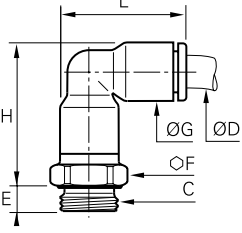



## 6901 Stud Fitting, Male BSPP and Metric Thread

	<p>FDA chemical nickel plated brass, EPDM</p> 	<b>ØD</b>	<b>C</b>		<b>E</b>	<b>F</b>	<b>F1</b>	<b>H</b>	<b>Kg</b>
		4	M5x0.8 G1/8 G1/4	<a href="#">6901 04 19</a> <a href="#">6901 04 10</a> <a href="#">6901 04 13</a>	3 5.5 5.5	8 13 16	2.5 3 3	14 11.5 10.5	0.003 0.007 0.011
	<p>FDA chemical nickel plated brass, EPDM</p> 	6	M5x0.8 G1/8 G1/4	<a href="#">6901 06 19</a> <a href="#">6901 06 10</a> <a href="#">6901 06 13</a>	3 4.5 5.5	10 13 16	2.5 4 4	16 13 12.5	0.005 0.007 0.011
		8	G1/8 G1/4	<a href="#">6901 08 10</a> <a href="#">6901 08 13</a>	4.5 5.5	13 16	5 6	20.5 19.5	0.011 0.016
		10	G3/8 G1/4	<a href="#">6901 08 17</a> <a href="#">6901 10 13</a> <a href="#">6901 10 17</a>	5.5 5.5	20 16	6 7	18 23	0.022 0.018
			G1/2	<a href="#">6901 10 21</a>	7	24	8	18	0.033
			G3/8	<a href="#">6901 12 17</a>	5.5	20	9	27	0.029
		12	G1/2	<a href="#">6901 12 21</a>	7	24	10	22.5	0.035

## 6905 Stud Fitting, Male BSPT Thread

	<p>FDA chemical nickel plated brass, EPDM</p> 	<b>ØD</b>	<b>C</b>		<b>F</b>	<b>F1</b>	<b>H</b>	<b>Kg</b>
		4	R1/8 R1/4	<a href="#">6905 04 10</a> <a href="#">6905 04 13</a>	10 14	3 3	9.5 6.5	0.005 0.012
	<p>FDA chemical nickel plated brass, EPDM</p> 	6	R1/8 R1/4	<a href="#">6905 06 10</a> <a href="#">6905 06 13</a>	10 14	4 4	11.5 8.5	0.005 0.011
		8	R1/8 R1/4 R3/8	<a href="#">6905 08 10</a> <a href="#">6905 08 13</a> <a href="#">6905 08 17</a>	13 14 17	5 6 6	20 17 13	0.011 0.014 0.021
			R1/4	<a href="#">6905 10 13</a>	16	7	20	0.017
			R3/8	<a href="#">6905 10 17</a>	17	8	16.5	0.019
		12	R1/2	<a href="#">6905 10 21</a>	21	8	14	0.037
			R3/8	<a href="#">6905 12 17</a>	19	9	24	0.028
			R1/2	<a href="#">6905 12 21</a>	21	10	19.5	0.036


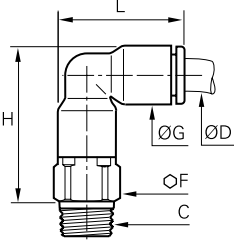

## 6999 Stud Elbow, Male BSPP and Metric Thread

	<p>Bio-based polymer, FDA chemical nickel plated brass, EPDM</p> 	<b>ØD</b>	<b>C</b>		<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>L</b>	<b>Kg</b>
		4	M5x0.8 G1/8 G1/4	<a href="#">6999 04 19</a> <a href="#">6999 04 10</a> <a href="#">6999 04 13</a>	3.5 4.5 5.5	8 13 16	8.5 8.5 8.5	23 22.5 19	19	0.005 0.009 0.014
	<p>Bio-based polymer, FDA chemical nickel plated brass, EPDM</p> 	6	M5x0.8 G1/8 G1/4	<a href="#">6999 06 19</a> <a href="#">6999 06 10</a> <a href="#">6999 06 13</a>	3.5 4.5 5.5	10 13 16	10.5 10.5 10.5	26.5 22.5 22.5	0.008 0.011 0.016	
		8	G1/8 G1/4 G3/8	<a href="#">6999 08 10</a> <a href="#">6999 08 13</a> <a href="#">6999 08 17</a>	4.5 5.5 5.5	13 16 20	13.5 13.5 13.5	35 29.5 29.5	0.018 0.020 0.028	
			G1/4	<a href="#">6999 10 13</a>	5.5	16	16	40.5	0.029	
			G3/8	<a href="#">6999 10 17</a>	5.5	20	16	39	0.037	
		12	G1/2	<a href="#">6999 10 21</a>	7	24	16	39	0.042	
			G3/8	<a href="#">6999 12 17</a>	5.5	20	19	42	0.040	
			G1/2	<a href="#">6999 12 21</a>	7	24	19	42	0.049	


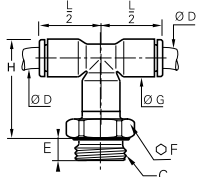



# Stud Fittings with FDA Chemical Nickel-Plated Brass Adaptor

## 6909 Stud Elbow, Male BSPT Thread


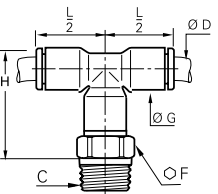

	<p>Bio-based polymer, FDA chemical nickel plated brass, EPDM</p> 	<b>ØD</b>	<b>C</b>		<b>F</b>	<b>G</b>	<b>H</b>	<b>L</b>	<b>Kg</b>
		4	R1/8	<a href="#">6909 04 10</a>	10	8.5	23	19	0.008
		R1/4	<a href="#">6909 04 13</a>	14	8.5	23.5	19	0.018	
		6	R1/8	<a href="#">6909 06 10</a>	10	10.5	27	22.5	0.010
		R1/4	<a href="#">6909 06 13</a>	14	10.5	27.5	22.5	0.020	
		8	R1/8	<a href="#">6909 08 10</a>	13	13.5	33.5	29.5	0.018
		R1/4	<a href="#">6909 08 13</a>	14	13.5	32.5	29.5	0.022	
		R3/8	<a href="#">6909 08 17</a>	17	13.5	33	29.5	0.032	
		10	R1/4	<a href="#">6909 10 13</a>	15	16	39.5	34	0.031
		R3/8	<a href="#">6909 10 17</a>	17	16	39.5	34	0.041	
		R1/2	<a href="#">6909 10 21</a>	21	16	39.5	34	0.060	
		12	R3/8	<a href="#">6909 12 17</a>	19	19	45.5	40.5	0.051
		R1/2	<a href="#">6909 12 21</a>	21	19	45.5	40.5	0.065	

## 6998 Stud Branch Tee, Male BSPP and Metric Thread

	<p>Bio-based polymer, FDA chemical nickel plated brass, EPDM</p> 	<b>ØD</b>	<b>C</b>		<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>L/2</b>	<b>Kg</b>
		4	M5x0.8	<a href="#">6998 04 19</a>	3.5	8	8.5	24	14	0.010
	G1/8	<a href="#">6998 04 10</a>	5	13	8.5	22	14	0.022		
	G1/4	<a href="#">6998 04 13</a>	5.5	16	8.5	22	14	0.012		
	6	M5x0.8	<a href="#">6998 06 19</a>	3.5	10	10.5	30	16	0.024	
	G1/8	<a href="#">6998 06 10</a>	5	13	10.5	29	16	0.022		
	G1/4	<a href="#">6998 06 13</a>	5.5	16	10.5	29	16	0.027		
	8	G1/8	<a href="#">6998 08 10</a>	4.5	13	13.5	38	23	0.039	
	G1/4	<a href="#">6998 08 13</a>	5.5	16	13.5	36	23	0.038		
	G3/8	<a href="#">6998 08 17</a>	5.5	20	13.5	36	23	0.050		
	10	G1/4	<a href="#">6998 10 13</a>	5.5	16	16	43	26.5	0.073	
	G3/8	<a href="#">6998 10 17</a>	5.5	20	16	43	26.5	0.062		
	G1/2	<a href="#">6998 10 21</a>	7.5	24	16	43	26.5	0.079		
	12	G3/8	<a href="#">6998 12 17</a>	5.5	20	19	45.5	31	0.026	
	G1/2	<a href="#">6998 12 21</a>	7	24	19	45.5	31	0.036		

These products are available upon request, with minimum order quantity of 100 pieces.


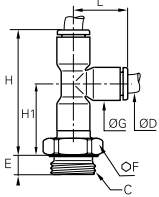

## 6908 Stud Branch Tee, Male BSPT Thread

	<p>Bio-based polymer, FDA chemical nickel plated brass, EPDM</p> 	<b>ØD</b>	<b>C</b>		<b>F</b>	<b>G</b>	<b>H</b>	<b>L/2</b>	<b>Kg</b>
		4	R1/8	<a href="#">6908 04 10</a>	10	8.5	17	14	0.009
	R1/4	<a href="#">6908 04 13</a>	14	8.5	17	14	0.020		
	6	R1/8	<a href="#">6908 06 10</a>	10	10.5	23	16	0.011	
	R1/4	<a href="#">6908 06 13</a>	14	10.5	23	16	0.022		
	8	R1/8	<a href="#">6908 08 10</a>	13	13.5	30	23	0.020	
	R1/4	<a href="#">6908 08 13</a>	14	13.5	30	23	0.024		
	R3/8	<a href="#">6908 08 17</a>	17	13.5	30	23	0.035		
	10	R1/4	<a href="#">6908 10 13</a>	15	16	34.5	26.5	0.034	
	R3/8	<a href="#">6908 10 17</a>	17	16	34.5	26.5	0.045		
	R1/2	<a href="#">6908 10 21</a>	21	16	34.5	26.5	0.066		
	12	R3/8	<a href="#">6908 12 17</a>	19	19	40.5	31	0.056	
	R1/2	<a href="#">6908 12 21</a>	21	19	40.5	31	0.072		

These products are available upon request, with minimum order quantity of 100 pieces.


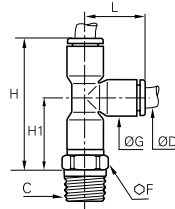

# Stud Fittings with FDA Chemical Nickel-Plated Brass Adaptor

## 6993 Stud Run Tee, Male BSPP and Metric Thread

	<p>Bio-based polymer, FDA chemical nickel plated brass, EPDM</p> 	<b>ØD</b> <b>C</b> 	<b>E</b>	<b>F</b>	<b>G</b>	<b>H</b>	<b>H1</b>	<b>L</b>	<b>Kg</b>
		M5x0.8 <a href="#">6993 04 19</a> 4    G1/8 <a href="#">6993 04 10</a> G1/4 <a href="#">6993 04 13</a> M5x0.8 <a href="#">6993 06 19</a> 6    G1/8 <a href="#">6993 06 10</a> G1/4 <a href="#">6993 06 13</a> G1/8 <a href="#">6993 08 10</a> 8    G1/4 <a href="#">6993 08 13</a> G3/8 <a href="#">6993 08 17</a> G1/4 <a href="#">6993 10 13</a> 10    G3/8 <a href="#">6993 10 17</a> G1/2 <a href="#">6993 10 21</a> G3/8 <a href="#">6993 12 17</a> 12    G1/2 <a href="#">6993 12 21</a>	3.5	8	8.5	32	19	14.5	0.010
			5	13	8.5	30	18	14.5	0.022
			5.5	16	8.5	30	18	14.5	0.012
			3.5	10	10.5	39	23	17.5	0.024
			5	13	10.5	38	22	17.5	0.022
			5.5	16	10.5	38	22	17.5	0.027
			4.5	13	13.5	54	31	23	0.039
			5.5	16	13.5	52	29	23	0.038
			5.5	20	13.5	52	29	23	0.050
			5.5	16	16	61	35	26.5	0.073
			5.5	20	16	61	35	26.5	0.062
			7.5	24	16	61	35	26.5	0.079
			5.5	20	19	67	36	31	0.026
			7	24	19	67	36	31	0.042

These products are available upon request, with minimum order quantity of 100 pieces.

## 6903 Stud Run Tee, Male BSPT Thread

	<p>Bio-based polymer, FDA chemical nickel plated brass, EPDM</p> 	<b>ØD</b> <b>C</b> 	<b>F</b>	<b>G</b>	<b>H</b>	<b>H1</b>	<b>L</b>	<b>Kg</b>
		R1/8 <a href="#">6903 04 10</a> 4    R1/4 <a href="#">6903 04 13</a> R1/8 <a href="#">6903 06 10</a> 6    R1/4 <a href="#">6903 06 13</a> R1/8 <a href="#">6903 08 10</a> 8    R1/4 <a href="#">6903 08 13</a> R3/8 <a href="#">6903 08 17</a> R1/4 <a href="#">6903 10 13</a> 10    R3/8 <a href="#">6903 10 17</a> R1/2 <a href="#">6903 10 21</a> R3/8 <a href="#">6903 12 17</a> 12    R1/2 <a href="#">6903 12 21</a>	10	8.5	31	18	14.5	0.009
			14	8.5	31	19	14.5	0.020
			10	10.5	38	22	17.5	0.011
			14	10.5	39	23	17.5	0.022
			13	13.5	53	30	23	0.020
			14	13.5	52	29	23	0.024
			17	13.5	52	29	23	0.035
			15	16	61	35	26.5	0.034
			17	16	61	35	26.5	0.045
			21	16	61	35	26.5	0.066
			19	19	70	39	31	0.056
			21	19	70	39	31	0.072

These products are available upon request, with minimum order quantity of 100 pieces.



# Advanced PE Tubing

Parker Legris **"Advanced PE" 50% reticulated** is designed for demanding environments, especially that of water treatment, without compromising operator **safety**.

## Product Advantages

- Advanced PE**
- 50% reticulated material
  - Best balance between flexibility and pressure/temperature resistance
  - Resistant to a wide range of aggressive chemicals
  - UV-stabilised: ideal for outdoor applications
  - Approved for permanent contact with food and beverages
  - Silicone-free



**Applications**

- Beverage
- Chemical
- Petrochemical
- Food Process
- Water
- Water Treatment

## Technical Characteristics

<b>Compatible Fluids</b>	Water, beverages and other fluids
<b>Working Pressure</b>	Vacuum to 16 bar
<b>Working Temperature</b>	-40°C to +95°C
<b>Component Materials</b>	High quality polyethylene: 50% reticulated PE

### Regulations

#### Advanced PE Tubing

FDA: 21 CFR 177.1520

RG: 1935/2004/EC

DI: 97/23/EC (PED)

DI: 2002/95/EC (RoHS), 2011/65/EC

NSF 42/58 (1/4" and 3/8" approved for 10 bar and 1/2" approved for 8 bar at room temperature)

NSF 51, 61 C-HOT

ACS (except for purple colour)

WRAS

RG: 1907/2006 (REACH)

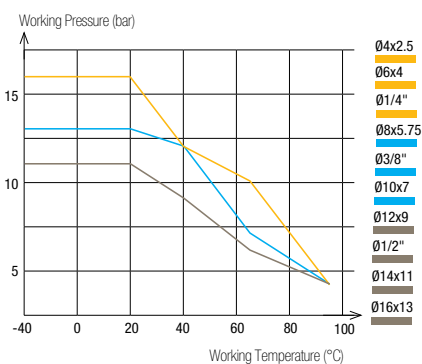
NSF 42/58

KTW

W270

Reliable performance is dependent upon the type of fluid conveyed and fittings being used. Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

### Tubing Performance



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

Tube O.D.	Tube O.D. Tolerance
1/4" to 1/2"	+0.10 / -0.10
4 to 16 mm	+0.10 / -0.10

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

#### Packaging









Advanced PE Tubing

Drum: 150 m, 300 m

250 feet, 500 feet, 1 000 feet









### 1015Y..F Advanced Polyethylene (APE) Tubing

Drum 150 m

O.D. (mm)	I.D. (mm)		 Clear						 White	kg
4	2.5	16	1015Y04F00	1015Y04F01	1015Y04F02	1015Y04F03	1015Y04F04	1015Y04F05	1015Y04F10	1.760
6	4	32	1015Y06F00	1015Y06F01	1015Y06F02	1015Y06F03	1015Y06F04	1015Y06F05	1015Y06F10	2.580
8	5.75	40	1015Y08F00	1015Y08F01	1015Y08F02	1015Y08F03	1015Y08F04	1015Y08F05	1015Y08F10	4.050
10	7	40	1015Y10F00	1015Y10F01	1015Y10F02	1015Y10F03	1015Y10F04	1015Y10F05	1015Y10F10	6.200









### 1030Y..F Advanced Polyethylene (APE) Tubing

Drum 300 m

O.D. (mm)	I.D. (mm)		 Clear						 White	kg
4	2.5	16	1030Y04F00	1030Y04F01	1030Y04F02	1030Y04F03	1030Y04F04	1030Y04F05	1030Y04F10	2.860
6	4	32	1030Y06F00	1030Y06F01	1030Y06F02	1030Y06F03	1030Y06F04	1030Y06F05	1030Y06F10	4.800









### 1075Y..F Advanced Polyethylene (APE) Tubing

Drum 75 m

O.D. (mm)	I.D. (mm)		 Clear						 White	kg
12	9	55	1075Y12F00	1075Y12F01	1075Y12F02	1075Y12F03	1075Y12F04	1075Y12F05	1075Y12F10	5.550
14	11	85	1075Y14F00	1075Y14F01	1075Y14F02	1075Y14F03	1075Y14F04	1075Y14F05	1075Y14F10	5.550
16	13	100	1075Y16F00	1075Y16F01	1075Y16F02	1075Y16F03	1075Y16F04	1075Y16F05	1075Y16F10	5.550









### 1096Y..F Advanced Polyethylene (APE) Tubing

Drum 250 ft

O.D. (inch)	I.D. (inch)		 Clear						 White	kg
1/2	0.375	1.96	1096Y62F00	1096Y62F01	1096Y62F02	1096Y62F03	1096Y62F04	1096Y62F05	1096Y62F10	5.900









### 1098Y..F Advanced Polyethylene (APE) Tubing

Drum 500 ft

O.D. (inch)	I.D. (inch)		 Clear						 White	kg
1/4	0.170	0.78	1098Y56F00	1098Y56F01	1098Y56F02	1098Y56F03	1098Y56F04	1098Y56F05	1098Y56F10	3.300
3/8	0.250	1.18	1098Y60F00	1098Y60F01	1098Y60F02	1098Y60F03	1098Y60F04	1098Y60F05	1098Y60F10	6.300

### 1099Y..F Advanced Polyethylene (APE) Tubing

Drum 1000 ft

O.D. (inch)	I.D. (inch)		 Clear						 White	kg
1/4	0.170	0.78	1099Y56F00	1099Y56F01	1099Y56F02	1099Y56F03	1099Y56F04	1099Y56F05	1099Y56F10	5.500

# LIQUIfit® Non-Return Valves

LIQUIfit® non-return valves meet the requirements for conveying **beverages**. They allow flow in one direction and prevent any return flow. Fitted in the circuit, they provide **total protection**.

## Product Advantages

### Suitable for Beverage Applications

- Fully compatible for use with water, beverages and liquid foodstuffs (liquids and gas)
- Very low cracking threshold
- Excellent chemical compatibility
- Resistant to cleaning products
- Hygienic design with smooth surfaces
- Fluid direction indicated
- EPDM sealing technology



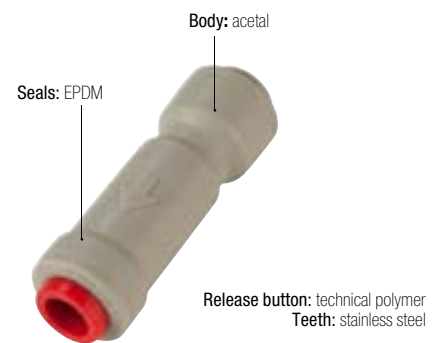
- Water Softeners
- Water Treatment
- Water Purification
- Drinks Dispensers
- Hot & Cold Water Systems

### Applications

## Technical Characteristics

<b>Compatible Fluids</b>	Water, beverages, liquid foodstuffs
<b>Working Pressure</b>	1 to 10 bar
<b>Working Temperature</b>	1°C to +65°C
<b>Cracking Pressure</b>	0.02 bar up to O.D. 3/8" 0.03 bar for O.D. 1/2"

### Component Materials



### Silicone-free

### Regulations

- DI: 2002/95/EC (RoHS), 2011/65/EC
- FDA: 21 CFR 177.1550
- NSF 51
- RG: 1907/2006 (REACH)

# LIQUIfit® Non-Return Valves

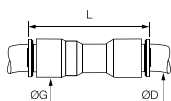
**7992**

Single Non-Return Valve

Inch



Acetal, EPDM



ØD



G

L

kg

1/4	<a href="#">7992 56 00WP2</a>	17	51	0.008
5/16	<a href="#">7992 08 00WP2</a>	17	53	0.010
3/8	<a href="#">7992 60 00WP2</a>	20	55	0.011
1/2	<a href="#">7992 62 00WP2</a>	25	68	0.015

5/16" (8 mm) also available



# LIQUIfit® Ball Valves

This range of valves offers an innovative solution in the treatment of **water and the handling of beverages** while protecting **health**. These **compact and reliable** valves offer perfect **sealing** and excellent **cleanliness**.

## Product Advantages

### Innovative Technology & Increased Reliability

- Full flow to limit turbulence
- Full-flow self-cleaning ball maintains the cleanliness of the circuit
- Tube retention with gripping ring prevents pumping effect
- Push-in connection and disconnection
- Sealing technology using patented EPDM seal

### High Performance

- Inert technical polymer providing the best mechanical strength, thermal and chemical resistance
- Carstick® connection providing resistance to water hammer
- Other configurations available on request

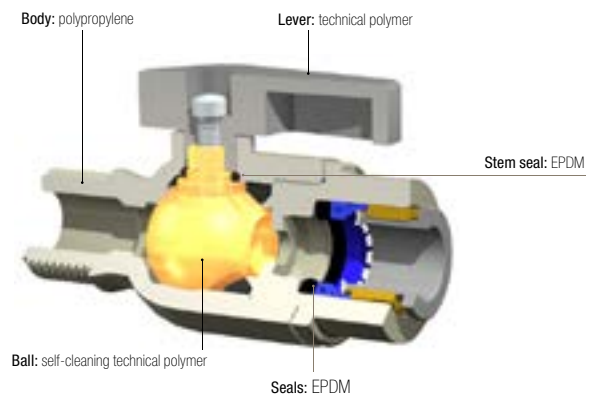


- Applications**
- Beverage Dispensers
  - Inert Gases
  - Cooling
  - Food Process
  - Water Purification
  - Water Coolers

## Technical Characteristics

<b>Compatible Fluids</b>	Water, drinks, beverages		
<b>Working Pressure</b>	0 to 10 bar at 20°C		
<b>Working Temperature</b>	-15°C to +100°C		
<b>Tightening Torques</b>	Threads	1/4" NPTF	3/8" NPTF
	daN.m	1.5	3

### Component Materials



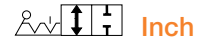
### Silicone-free


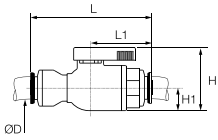
### Regulations

- FDA: 21 CFR
- NSF: 51
- WQA: Water Quality Association
- RG: 1907/2006 (REACH)

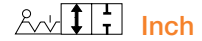
# LIQUIfit® Ball Valves


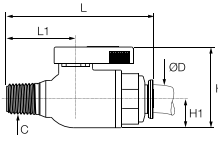
## 4020 2/2 In-Line Ball Valve



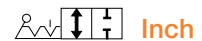
	Polypropylene, glass fibre-reinforced, EPDM 	<b>ØD</b>						
		1/4	<a href="#">4020 56 00WP2</a>	25	13	65	31	0.025
		3/8	<a href="#">4020 60 00WP2</a>	36	13	68	30.5	0.034


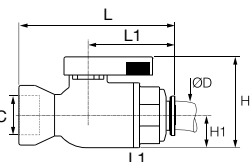
## 4021 2/2 In-Line Ball Valve, Male NPTF Thread



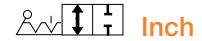
	Polypropylene, glass fibre-reinforced, EPDM 	<b>ØD</b>	<b>C</b>						
		1/4	NPT1/4	<a href="#">4021 56 14WP2</a>	36	13	61	31	0.024
		3/8	NPT3/8	<a href="#">4021 60 18WP2</a>	36	13	64	33.5	0.028


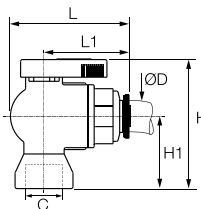
## 4023 2/2 In-Line Ball Valve, Female NPTF Thread



	Polypropylene, glass fibre-reinforced, EPDM 	<b>ØD</b>	<b>C</b>						
		1/4	NPT1/4	<a href="#">4023 56 14WP2</a>	36	13	58	31	0.027
		3/8	NPT3/8	<a href="#">4023 60 18WP2</a>	36	13	64	33.5	0.030

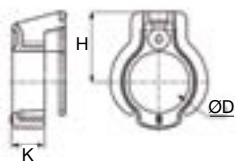
## 4022 2/2 Right-Angled Ball Valve, Female NPTF Thread



	Polypropylene, glass fibre-reinforced, EPDM 	<b>ØD</b>	<b>C</b>						
		1/4	NPT1/4	<a href="#">4022 56 14WP2</a>	52	29	44	31	0.026
		3/8	NPT3/8	<a href="#">4022 60 18WP2</a>	52	29	47	33.5	0.031

## 3130 Tamper-Proof Safety Clip

Technical polymer



<b>ØD</b>							<b>H</b>	<b>K</b>	<b>kg</b>
1/4	<a href="#">3130 56 01</a>	<a href="#">3130 56 02</a>	<a href="#">3130 56 03</a>	<a href="#">3130 56 04</a>	<a href="#">3130 56 05</a>	<a href="#">3130 56 10</a>	8	3.2	0.001
3/8	<a href="#">3130 60 01</a>	<a href="#">3130 60 02</a>	<a href="#">3130 60 03</a>	<a href="#">3130 60 04</a>	<a href="#">3130 60 05</a>	<a href="#">3130 60 10</a>	10.8	4.2	0.001



**Together, we can** connect you to the best in technology.  
Better than ever before.

In this updated edition of the Parker Legris catalogue, we have developed the content, structure and layout to enable you to find the products and information you require as quickly as possible. 31 complementary ranges and more than 1000 additional part numbers have been included, widening the choice of solutions available in order to meet your requirements more effectively. By putting our knowledge and expertise at your fingertips, we strive to provide the day-to-day support you need when designing your industrial equipment.



aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding



**ENGINEERING YOUR SUCCESS.**

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# Parker's Motion & Control Technologies

At Parker, we're guided by a relentless drive to help our customers become more productive and achieve higher levels of profitability by engineering the best systems for their requirements. It means looking at customer applications from many angles to find new ways to create value. Whatever the motion and control technology need, Parker has the experience, breadth of product and global reach to consistently deliver. No company knows more about motion and control technology than Parker. For further info call 00800 27 27 5374



## Aerospace

### Key Markets

Aftermarket services  
Commercial transports  
Engines  
General & business aviation  
Helicopters  
Launch vehicles  
Military aircraft  
Missiles  
Power generation  
Regional transports  
Unmanned aerial vehicles

### Key Products

Control systems & actuation products  
Engine systems & components  
Fluid conveyance systems & components  
Fluid metering, delivery & atomization devices  
Fuel systems & components  
Fuel tank inerting systems  
Hydraulic systems & components  
Thermal management  
Wheels & brakes



## Climate Control

### Key Markets

Agriculture  
Air conditioning  
Construction Machinery  
Food & beverage  
Industrial machinery  
Life sciences  
Oil & gas  
Precision cooling  
Process  
Refrigeration  
Transportation

### Key Products

Accumulators  
Advanced actuators  
CO<sub>2</sub> controls  
Electronic controllers  
Filter driers  
Hand shut-off valves  
Heat exchangers  
Hose & fittings  
Pressure regulating valves  
Refrigerant distributors  
Safety relief valves  
Smart pumps  
Solenoid valves  
Thermostatic expansion valves



## Electromechanical

### Key Markets

Aerospace  
Factory automation  
Life science & medical  
Machine tools  
Packaging machinery  
Paper machinery  
Plastics machinery & converting  
Primary metals  
Semiconductor & electronics  
Textile  
Wire & cable

### Key Products

AC/DC drives & systems  
Electric actuators, gantry robots & slides  
Electrohydraulic actuation systems  
Electromechanical actuation systems  
Human machine interface  
Linear motors  
Stepper motors, servo motors, drives & controls  
Structural extrusions



## Filtration

### Key Markets

Aerospace  
Food & beverage  
Industrial plant & equipment  
Life sciences  
Marine  
Mobile equipment  
Oil & gas  
Power generation & renewable energy  
Process  
Transportation  
Water Purification

### Key Products

Analytical gas generators  
Compressed air filters & dryers  
Engine air, coolant, fuel & oil filtration systems  
Fluid condition monitoring systems  
Hydraulic & lubrication filters  
Hydrogen, nitrogen & zero air generators  
Instrumentation filters  
Membrane & fiber filters  
Microfiltration  
Sterile air filtration  
Water desalination & purification filters & systems



## Fluid & Gas Handling

### Key Markets

Aerial lift  
Agriculture  
Bulk chemical handling  
Construction machinery  
Food & beverage  
Fuel & gas delivery  
Industrial machinery  
Life sciences  
Marine  
Mining  
Mobile  
Oil & gas  
Renewable energy  
Transportation

### Key Products

Check valves  
Connectors for low pressure fluid conveyance  
Deep sea umbilicals  
Diagnostic equipment  
Hose couplings  
Industrial hose  
Mooring systems & power cables  
PTFE hose & tubing  
Quick couplings  
Rubber & thermoplastic hose  
Tube fittings & adapters  
Tubing & plastic fittings



## Hydraulics

### Key Markets

Aerial lift  
Agriculture  
Alternative energy  
Construction machinery  
Forestry  
Industrial machinery  
Machine tools  
Marine  
Material handling  
Mining  
Oil & gas  
Power generation  
Refuse vehicles  
Renewable energy  
Truck hydraulics  
Turf equipment

### Key Products

Accumulators  
Cartridge valves  
Electrohydraulic actuators  
Human machine interfaces  
Hybrid drives  
Hydraulic cylinders  
Hydraulic motors & pumps  
Hydraulic systems  
Hydraulic valves & controls  
Hydrostatic steering  
Integrated hydraulic circuits  
Power take-offs  
Power units  
Rotary actuators  
Sensors



## Pneumatics

### Key Markets

Aerospace  
Conveyor & material handling  
Factory automation  
Life science & medical  
Machine tools  
Packaging machinery  
Transportation & automotive

### Key Products

Air preparation  
Brass fittings & valves  
Manifolds  
Pneumatic accessories  
Pneumatic actuators & grippers  
Pneumatic valves & controls  
Quick disconnects  
Rotary actuators  
Rubber & thermoplastic hose & couplings  
Structural extrusions  
Thermoplastic tubing & fittings  
Vacuum generators, cups & sensors



## Process Control

### Key Markets

Alternative fuels  
Biopharmaceuticals  
Chemical & refining  
Food & beverage  
Marine & shipbuilding  
Medical & dental  
Microelectronics  
Nuclear Power  
Offshore oil exploration  
Oil & gas  
Pharmaceuticals  
Power generation  
Pulp & paper  
Steel  
Water/wastewater

### Key Products

Analytical Instruments  
Analytical sample conditioning products & systems  
Chemical injection fittings & valves  
Fluoropolymer chemical delivery fittings, valves & pumps  
High purity gas delivery fittings, valves, regulators & digital flow controllers  
Industrial mass flow meters/controllers  
Permanent no-weld tube fittings  
Precision industrial regulators & flow controllers  
Process control double block & bleeds  
Process control fittings, valves, regulators & manifold valves



## Sealing & Shielding

### Key Markets

Aerospace  
Chemical processing  
Consumer  
Fluid power  
General industrial  
Information technology  
Life sciences  
Microelectronics  
Military  
Oil & gas  
Power generation  
Renewable energy  
Telecommunications  
Transportation

### Key Products

Dynamic seals  
Elastomeric o-rings  
Electro-medical instrument design & assembly  
EMI shielding  
Extruded & precision-cut, fabricated elastomeric seals  
High temperature metal seals  
Homogeneous & inserted elastomeric shapes  
Medical device fabrication & assembly  
Metal & plastic retained composite seals  
Shielded optical windows  
Silicone tubing & extrusions  
Thermal management  
Vibration dampening

ENGINEERING YOUR SUCCESS.

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