



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.

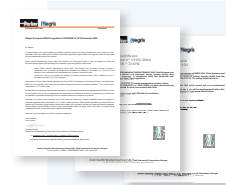
LIQUIfit+ fittings are intended for use in applications concerning the dispensing of liquids and beverages (including beer lines) and offer many sustainability-related benefits.



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Directives and Regulations: the Parker Legris Offer

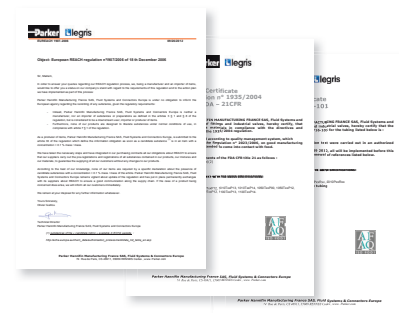
Parker Legris complies with the directives and regulations listed below and goes beyond its statutory obligations for the ranges in question.

| | | | |
|---|---|---|---|
|  | <p>European RoHS directives: 2011/65/EC 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>NSF 61: NSF / ANSI-61 Fittings and tubes complying with this standard are tested and approved by NSF for contact with drinking water.</p> |
|  | <p>REACH regulation: no. 1907/2006 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>NSF 42 and 58: NSF/ANSI-42/58 Tubes complying with this standard are tested and approved by NSF for drinking water treatment systems.</p> |
|  | <p>Pressurised equipment directive: 97/23/EC This directive regulates the design, manufacture and assessment of pressurised equipment to ensure operating safety.</p> |  | <p>ACS: Attestation de Conformité Sanitaire (France) 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>ATEX directive: 94/9/EC mandatory since 01/07/2003 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>KTW: Kunststoffe und Trinkwasser (Germany) Guidelines for the health evaluation of equipment in contact with drinking water, assessment and certification carried out by the TZW.</p> |
|  | <p>Regulation 1935/2004 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>W270: Food contact standard (Germany) 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>CFR 21: Code of Federal Regulation Title 21: Food and Drugs This code consists of lists of prohibited substances for materials intended to come into contact with foodstuffs.</p> |  | <p>WRAS: Water Regulations Advisory Scheme (UK) Fittings approved by this programme are declared compliant for water supply by WRc - NSF.</p> |
|  | <p>NSF 51: NSF / ANSI-51 Fittings and tubes complying with this standard are tested and approved by NSF for contact with drinks and foodstuffs.</p> |  | <p>DM 174: Ministerial decree (Italy) Declaration of hygiene compliance for equipment used for drinking water, tested and certified by the TIFO.</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

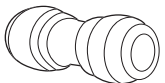
LIQUIfit®

Tube-to-Tube Connector



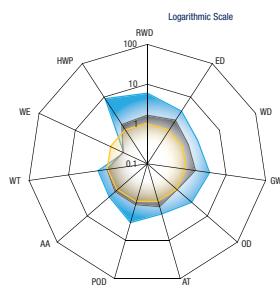
Market Standard

Tube-to-Tube Connector



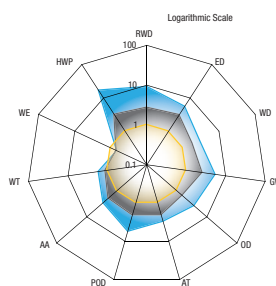
- Parker Legris
- Market Standard in PP
- Market Standard in POM

Stud Elbow



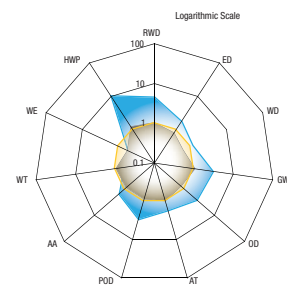
- RWD: Raw Material Depletion
- ED: Energy Depletion
- WD: Water Depletion
- GW: Global Warming

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



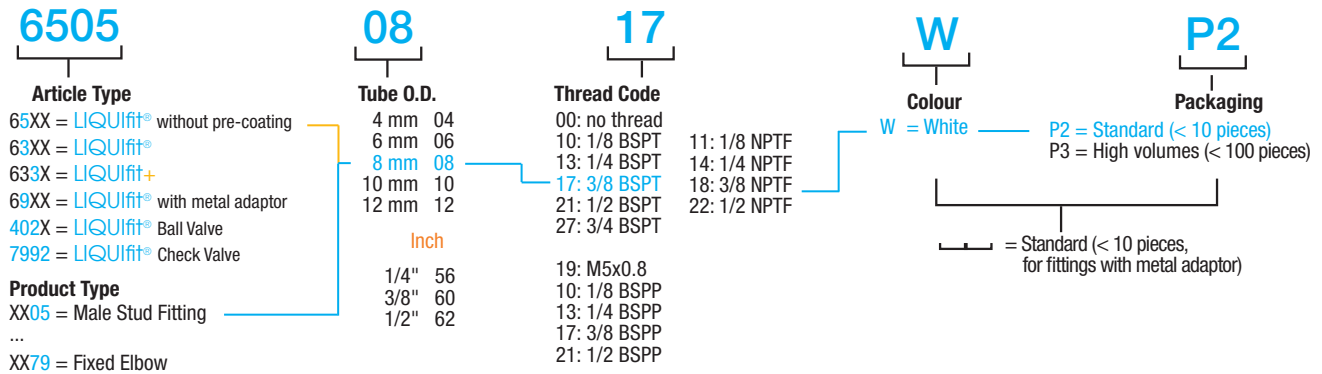
Part Number Identification

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:

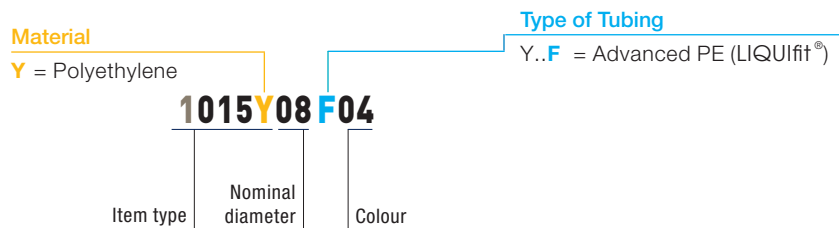
- model series (4 digits)
- nominal diameter (2 digits)
- thread or 2nd nominal diameter (2 digits)
- a suffix, if applicable



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, CO₂, 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

6505 BSPT Page 12
6315 BSPT Page 12
6353 BSPP Page 13
6521 BSPT Page 14



Straights - Inch

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



Elbows

6579 BSPT Page 15
6509 BSPT Page 15
6579 BSPT/NPTF Page 15
6509 BSPT/NPTF Page 16



Elbows - Inch

Tees

6508 BSPT Page 16
6503 BSPT Page 17
6508 BSPT/NPTF Page 17
6503 BSPT/NPTF Page 17



Tees - Inch

Plugs

6355 BSPT Page 17



Tube-to-Tube Fittings

Straight

6306 Page 18



Straight - Inch

6306 Page 18



Elbow

6302 Page 18



Elbow - Inch

6302 Page 18



Tee

6304 Page 19



Tee - Inch

6304 Page 19



Y

6340 Page 19



Y - Inch

6340 Page 19



Cross

6307 Page 20



Cross - Inch

6307 Page 20



Bulkhead Connectors

Straight

6316 Page 20



Straight - Inch

6316 Page 20



Plug-In Fittings and Accessories

Elbows

6382 Page 21
6380 Page 21



Elbow - Inch

6382 Page 21



Tees

6383 Page 21
6388 Page 21
6388 Page 22



Tee - Inch

Accessories

Accessories

6366 Page 22
6326 Page 22
6322 Page 23
6351 Page 23



Accessories - Inch

6366 Page 22
6368 Page 22
6326 Page 23
6322 Page 23
6351 Page 23



Polymer Cartridges for Fluids and Gases

Carstick®

6300 Page 24



Carstick® - Inch

6300 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 | |
| 6333 Page 27 | | 6336 Page 27 | 6332 Page 27 | 6331 Page 27 | |
|  | |  |  |  | |

Range of LIQUIfit® Push-In Fittings with Metal Adaptors

| Stud Fittings with Stainless Steel Adaptor | | | | | | | |
|---|---|---|---|---|---|---|--|
| Straight | | Elbows | | Tees | | | |
| 6911 Page 29 | 6975 Page 29 | 6959 Page 29 | 6979 Page 30 | 6958 Page 30 | 6978 Page 30 | 6953 Page 31 | 6973 Page 31 |
|  |  |  |  |  |  |  |  |

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

| LIQUIfit® and LIQUIfit+ Accessories | | | |
|---|---|---|---|
| 3130 Page 25 | 3110 Page 25 | 0605 Page 25 | 3000 71 00 Page 25 |
|  |  |  |  |

| Flexible Calibrated Tubing | LIQUIfit® Non-Return Valves | LIQUIfit® Ball Valves | |
|---|---|---|---|
| Advanced PE | Non-Return Valves | In-Line | Right-Angled |
| 1015Y..F 1030Y..F 1075Y..F 1096Y..F 1098Y..F 1099Y..F Page 37 | 7992 Page 39 | 4020 2/2 Page 41 | 4021 2/2 Page 41 |
|  |  |  |  |
| | | 4023 2/2 Page 41 | 4022 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

Innovative Technology & Concept

- Ergonomic and aesthetic design
- The most compact product on the market for water, beverages and liquid foodstuffs
- Easy-to-clean external surfaces
- Push-in connection and disconnection
- Full flow
- Use with a pre-prepared metallic tubing
- Gripping system preventing any pumping effect
- Eco-designed (materials, manufacturing process, weight, dimensions and performance)

Optimal Performance

- Patented sealing technology
- 100% leak-tested in production
- Date coding to guarantee quality and traceability
- Wide range of shapes and numerous configurations

High Performance Material

- Bio-sourced polymer meeting the most severe food process regulations
- Suitable for contact with water and beverages
- Excellent chemical and mechanical resistance, even at high temperature
- Free of bisphenol A and phtalates, conforming with regulations



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

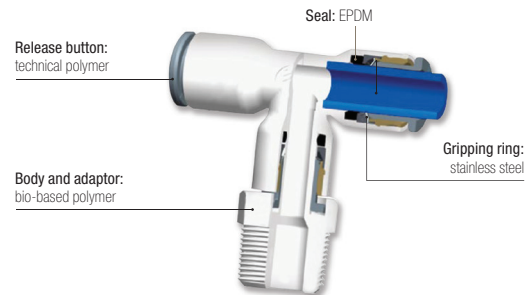
Applications

Technical Characteristics

| | | | |
|---------------------------------------|---|---------------|---------------|
| Compatible Fluids | Water, beverages, CO ₂ (inert use) Chemical fluids: please consult us | | |
| Working Pressure | Vacuum to 16 bar | | |
| Working Temperature | -10°C to +95°C | | |
| Tightening Torques (BSPT/NPTF) | 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 |

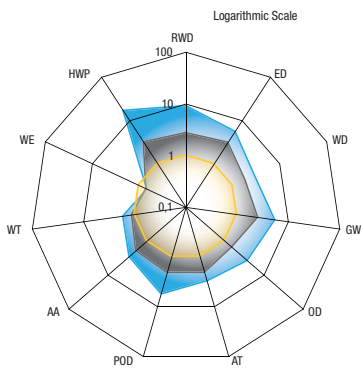
| +40°C | | Pressure (bar) | |
|-------|--------|----------------|--------|
| mm Ø | inch Ø | Fittings | Tubing |
| 4 | 5/32 | 16 | 16 |
| 6 | 1/4 | 16 | 16 |
| 8 | 5/16 | 16 | 16 |
| 10 | 3/8 | 13 | 15 |
| 12 | 1/2 | 11 | 11 |

| +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



Tube-to-Tube Connector
 ■ Market Standard in POM
 ■ Market Standard in PP
 ■ Parker Legris

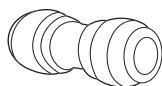
RWD: Raw Material Depletion
 ED: Energy Depletion
 WD: Water Depletion
 GW: Global Warming
 OZ: Ozone Depletion
 AT: Air Toxicity

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

LIQUIfit® Tube-to-Tube Connector



Market Standard Tube-to-Tube Connector



Environmental Approach

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

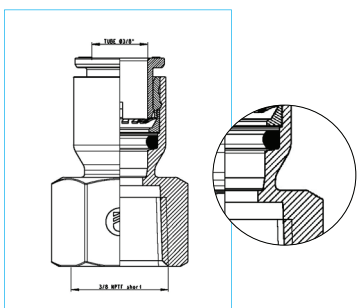
We carried out a comparative LCA on the market of drinking water between 3 Parker Legris fittings and the standard products on the market.

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).

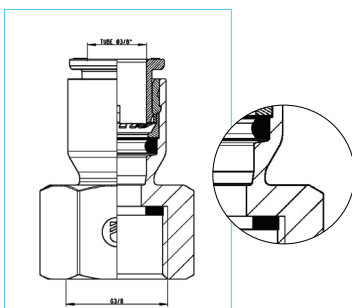


Sealing Profile for Female Thread Stud Fitting

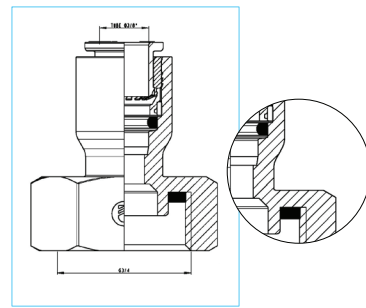
Stud Fitting,
Female NPTF Thread
6315



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 |  | F | F1 | H | kg |
|----|------|---|----|----|------|-------|
| | | | | | | |
| 4 | R1/8 | 6505 04 10WP2 | 11 | 3 | 18 | 0.003 |
| | R1/4 | 6505 04 13WP2 | 14 | 3 | 18 | 0.004 |
| 6 | R1/8 | 6505 06 10WP2 | 11 | 4 | 18 | 0.002 |
| | R1/4 | 6505 06 13WP2 | 14 | 4 | 18 | 0.004 |
| 8 | R1/8 | 6505 08 10WP2 | 17 | 6 | 20 | 0.004 |
| | R1/4 | 6505 08 13WP2 | 14 | 6 | 20 | 0.004 |
| 10 | R3/8 | 6505 10 17WP2 | 17 | 6 | 20 | 0.005 |
| | R1/4 | 6505 10 13WP2 | 17 | 7 | 21.5 | 0.005 |
| 12 | R3/8 | 6505 12 17WP2 | 19 | 7 | 21.5 | 0.007 |
| | R1/2 | 6505 12 21WP2 | 22 | 7 | 21.5 | 0.010 |
| 12 | R3/8 | 6505 12 17WP2 | 19 | 9 | 24.5 | 0.008 |
| | R1/2 | 6505 12 21WP2 | 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 |  | F | F1 | H | kg |
|-----|--------|---|-------|------|------|-------|
| | | | | | | |
| 1/4 | NPT1/8 | 6505 56 11WP2 | 1/2 | 5/32 | 17 | 0.002 |
| | NPT1/4 | 6505 56 14WP2 | 9/16 | 5/32 | 17 | 0.003 |
| | NPT3/8 | 6505 56 18WP2 | 3/4 | 1/4 | 21.5 | 0.004 |
| 3/8 | NPT1/8 | 6505 60 11WP2 | 3/4 | 5/32 | 22,1 | 0.005 |
| | NPT1/4 | 6505 60 14WP2 | 3/4 | 1/4 | 22 | 0.006 |
| | NPT3/8 | 6505 60 18WP2 | 3/4 | 1/4 | 22 | 0.007 |
| 1/2 | NPT1/2 | 6505 60 22WP2 | 15/16 | 1/4 | 27 | 0.012 |
| | NPT3/8 | 6505 62 18WP2 | 15/16 | 3/8 | 28 | 0.012 |
| | NPT1/2 | 6505 62 22WP2 | 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 |  | F | F1 | H | kg |
|-----|------|---|----|----|----|-------|
| | | | | | | |
| 1/4 | R1/8 | 6505 56 10WP2 | 11 | 5 | 17 | 0.002 |
| | R1/4 | 6505 56 13WP2 | 14 | 5 | 17 | 0.003 |
| | R1/4 | 6505 60 13WP2 | 17 | 7 | 22 | 0.006 |
| 3/8 | R3/8 | 6505 60 17WP2 | 19 | 7 | 22 | 0.006 |
| | R1/2 | 6505 60 21WP2 | 22 | 7 | 28 | 0.012 |
| 1/2 | R3/8 | 6505 62 17WP2 | 24 | 9 | 28 | 0.014 |
| | R1/2 | 6505 62 21WP2 | 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


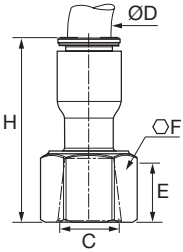

| ØD | C |  | F | H | kg |
|----|------|---|----|------|-------|
| | | | | | |
| 6 | R1/8 | 6315 06 10WP2 | 13 | 32 | 0.003 |
| | R1/4 | 6315 06 13WP2 | 16 | 33 | 0.004 |
| 8 | R1/4 | 6315 08 13WP2 | 16 | 33.5 | 0.004 |
| | R3/8 | 6315 08 17WP2 | 20 | 36 | 0.009 |

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


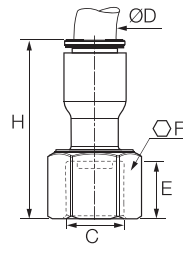

6315 Stud Fitting, Female NPTF Thread

Inch

| | | | |
|---|--|--|-----------------------------|
|  | Bio-based polymer, EPDM  | ØD C  | F H kg |
| | | 1/4 NPT1/4 6315 56 14WP2 | 11/16 30 0.003 |
| | | 3/8 NPT3/8 6315 60 18WP2 | 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).


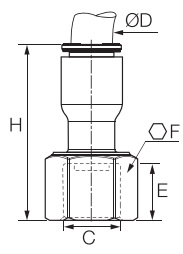

6353 Tap Connector Cone Type, Female BSPP Thread

| | | | |
|---|--|--|--------------------------------------|
|  | Bio-based polymer, EPDM  | ØD C  | E F H kg |
| | | 6 G3/4 6353 06 27WP2 | 10 32 32 0.011 |
| | | 8 G3/4 6353 08 27WP2 | 10 32 40.5 0.017 |
| | | 10 G1/2 6353 10 21WP2 | 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


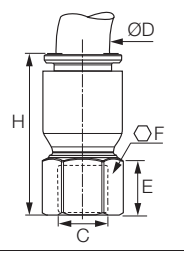

Inch

| | | | |
|---|--|--|--------------------------------------|
|  | Bio-based polymer, EPDM  | ØD C  | E F H kg |
| | | 1/4 G3/4 6353 56 27WP2 | 10 32 31 0.006 |
| | | 3/8 G1/2 6353 60 21WP2 | 12 27 36 0.011 |
| | | G3/4 6353 60 27WP2 | 10 32 41 0.018 |
| | | 1/2 G3/4 6353 62 27WP2 | 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


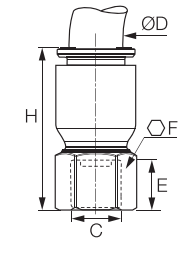

Inch

| | | | |
|---|--|--|--------------------------------------|
|  | Bio-based polymer, EPDM  | ØD C  | E F H kg |
| | | 5/16 G1/2 6352 08 21WP2 | 10.5 27 37 0.009 |
| | | G5/8 6352 08 23WP2 | 10.5 29 32 0.013 |
| | | 3/8 G3/8 6352 60 17WP2 | 12 22 36 0.008 |
| | | G1/2 6352 60 21WP2 | 12 27 36 0.011 |
| | | 1/2 G5/8 6352 62 23WP2 | 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

| | | | |
|---|--|--|--------------------------------------|
|  | Bio-based polymer, EPDM  | ØD C  | E F H kg |
| | | 1/4 UNS7/16-24 6325 56 133WP2 | 7 9/16 31 0.002 |
| | | 3/8 UNS7/16-24 6325 60 133WP2 | 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 |
|----|------|---|----|----|-------|
| | | | | | |
| 6 | R1/8 | 6521 06 10WP2 | 13 | 19 | 0.002 |
| | R1/4 | 6521 06 13WP2 | 14 | 19 | 0.003 |
| | R3/8 | 6521 06 17WP2 | 17 | 19 | 0.004 |
| 8 | R1/8 | 6521 08 10WP2 | 19 | 23 | 0.003 |
| | R1/4 | 6521 08 13WP2 | 19 | 23 | 0.004 |
| | R3/8 | 6521 08 17WP2 | 19 | 23 | 0.004 |
| 10 | R1/4 | 6521 10 13WP2 | 19 | 25 | 0.004 |
| | R3/8 | 6521 10 17WP2 | 19 | 25 | 0.005 |
| | R1/2 | 6521 10 21WP2 | 22 | 25 | 0.008 |
| 12 | R3/8 | 6521 12 17WP2 | 22 | 28 | 0.005 |
| | R1/2 | 6521 12 21WP2 | 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 |
|-----|--------|---|-------|------|-------|
| | | | | | |
| 1/4 | NPT1/8 | 6521 56 11WP2 | 1/2 | 19 | 0.001 |
| | NPT1/4 | 6521 56 14WP2 | 1/2 | 19 | 0.002 |
| | NPT3/8 | 6521 56 18WP2 | 3/4 | 19.5 | 0.004 |
| 3/8 | NPT1/4 | 6521 60 14WP2 | 3/4 | 25 | 0.004 |
| | NPT3/8 | 6521 60 18WP2 | 3/4 | 25 | 0.004 |
| 1/2 | NPT3/8 | 6521 62 18WP2 | 15/16 | 31 | 0.010 |
| | NPT1/2 | 6521 62 22WP2 | 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


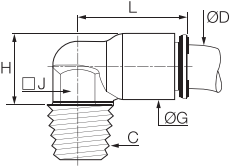

Inch

| ØD | C |  | F | H | kg |
|-----|------|---|----|------|-------|
| | | | | | |
| 1/4 | R1/8 | 6521 56 10WP2 | 14 | 19 | 0.001 |
| | R1/4 | 6521 56 13WP2 | 14 | 19 | 0.002 |
| | R3/8 | 6521 56 17WP2 | 17 | 19 | 0.004 |
| 3/8 | R1/4 | 6521 60 13WP2 | 19 | 25 | 0.004 |
| | R3/8 | 6521 60 17WP2 | 19 | 25 | 0.004 |
| 1/2 | R3/8 | 6521 62 17WP2 | 24 | 31.5 | 0.006 |
| | R1/2 | 6521 62 21WP2 | 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


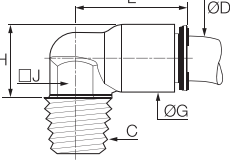

6579 Fixed Elbow, Male BSPT Thread

| | | | | |
|---|---|-------------------------|--|---|
|  |  | Bio-based polymer, EPDM | ØD C  | G H J L kg |
| | | | 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 |

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.

6579 Fixed Elbow, Male NPTF Thread


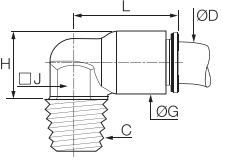

Inch

| | | | | |
|---|---|-------------------------|--|---|
|  |  | Bio-based polymer, EPDM | ØD C  | G H J L kg |
| | | | 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 |

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.


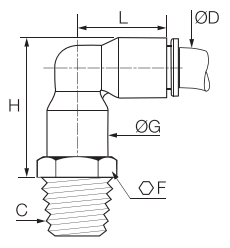

6579 Fixed Elbow, Male BSPT Thread

Inch

| | | | | |
|---|---|-------------------------|---|---|
|  |  | Bio-based polymer, EPDM | ØD C  | G H J L kg |
| | | | 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 |

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.

6509 Stud Elbow, Male BSPT Thread

| | | | | |
|---|---|-------------------------|--|---|
|  |  | Bio-based polymer, EPDM | ØD C  | F G H L kg |
| | | | 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 |

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.

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

| ØD | C | L | 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

| ØD | C | L | 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

| ØD | C | L | 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 |
| | 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

| ØD | C | L | 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.

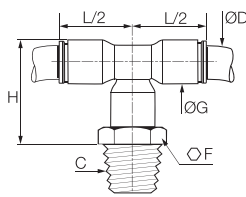
Stud Fittings

6508 Branch Tee, Male BSPT Thread

Inch



Bio-based polymer, EPDM

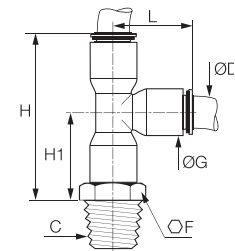


| ØD | C | | F | G | H | L/2 | kg |
|-----|------|---------------|----|----|----|------|-------|
| 1/4 | R1/8 | 6508 56 10WP2 | 13 | 11 | 28 | 18 | 0.004 |
| | R1/4 | 6508 56 13WP2 | 14 | 11 | 28 | 18 | 0.005 |
| | R3/8 | 6508 56 17WP2 | 17 | 11 | 28 | 18 | 0.007 |
| 3/8 | R1/4 | 6508 60 13WP2 | 19 | 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



| ØD | C | | F | G | H | H1 | L | kg |
|----|------|---------------|----|------|------|------|------|-------|
| 6 | R1/8 | 6503 06 10WP2 | 13 | 10.5 | 40 | 22 | 18.5 | 0.008 |
| | 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 |

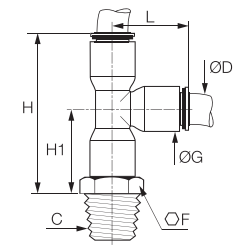
These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).
Thread without pre-coating; the body swivels for positioning purposes.

6503 Run Tee, Male NPTF Thread

Inch



Bio-based polymer, EPDM



| ØD | C | | F | G | H | H1 | L | kg |
|-----|--------|---------------|-------|----|------|------|------|-------|
| 1/4 | NPT1/8 | 6503 56 11WP2 | 1/2 | 11 | 40.5 | 22.5 | 18 | 0.004 |
| | 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 |

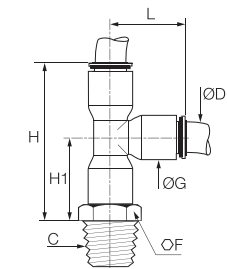
These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).
Thread without pre-coating; the body swivels for positioning purposes.

6503 Run Tee, Male BSPT Thread

Inch



Bio-based polymer, EPDM

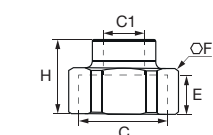


| ØD | C | | F | G | H | H1 | L | kg |
|-----|------|---------------|----|----|------|------|------|-------|
| 1/4 | R1/8 | 6503 56 10WP2 | 13 | 11 | 41.5 | 22.5 | 18 | 0.004 |
| | R1/4 | 6503 56 13WP2 | 14 | 11 | 41.5 | 22.5 | 18 | 0.005 |
| | R3/8 | 6503 56 17WP2 | 17 | 11 | 41.5 | 23 | 18 | 0.007 |
| 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



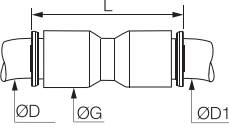


| C | C1 | | E | F | H | kg |
|------|------|---------------|----|----|------|-------|
| G3/4 | G1/4 | 6355 13 27WP2 | 10 | 32 | 23.5 | 0.050 |

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



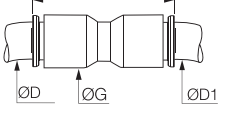
6306 Equal and Unequal Tube-to-Tube Connector

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



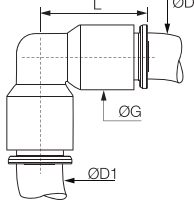
6306 Equal and Unequal Tube-to-Tube Connector

Inch

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



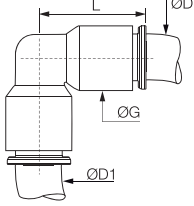
6302 Equal and Unequal Elbow

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



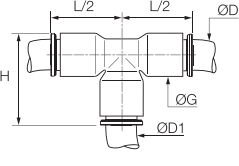

Inch

| Bio-based polymer, EPDM | | ØD | ØD1 |  | G | L | kg |
|---|---|------|------|---|------|------|-------|
|  |  | 5/16 | 3/8 | 6302 08 60WP2 | 16 | 34 | 0.009 |
| | | 5/16 | 1/4 | 6302 56 00WP2 | 11 | 24 | 0.005 |
| | | 1/4 | 5/16 | 6302 56 08WP2 | 13.5 | 29.5 | 0.006 |
| | | 1/4 | 3/8 | 6302 56 60WP2 | 16 | 34 | 0.008 |
| | | 3/8 | 3/8 | 6302 60 00WP2 | 16 | 34 | 0.006 |
| | | 3/8 | 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).



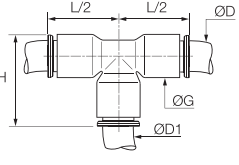

Tube-to-Tube Fittings

6304 Equal Tee

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



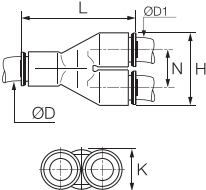

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

6304 Equal and Unequal Tee Inch

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



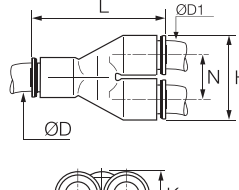

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).
5/32" (4 mm) and 5/16" (8 mm) also available.

6340 Equal Single Y Piece

| | | | | | | | | | |
|---|--|-----------|------------|--|----------|----------|----------|----------|-----------|
|   | Bio-based polymer, EPDM  | ØD | ØD1 |  | H | K | L | N | kg |
| | | 4 | 4 | 6340 04 00WP2 | 17.5 | 8.5 | 30 | 9 | 0.004 |
| | | 6 | 6 | 6340 06 00WP2 | 21.5 | 10.5 | 36.5 | 11 | 0.008 |
| | | 8 | 8 | 6340 08 00WP2 | 28 | 13.5 | 44.5 | 14.5 | 0.007 |
| | | 10 | 10 | 6340 10 00WP2 | 33 | 16 | 53 | 17 | 0.010 |
| | | 12 | 12 | 6340 12 00WP2 | 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).


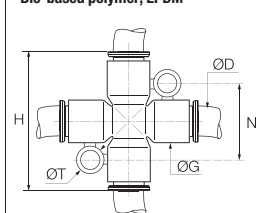

6340 Equal Single Y Piece Inch

| | | | | | | | | | |
|---|--|-----------|------------|---|----------|----------|----------|----------|-----------|
|   | Bio-based polymer, EPDM  | ØD | ØD1 |  | H | K | L | N | kg |
| | | 1/4 | 1/4 | 6340 56 00WP2 | 22 | 11 | 36 | 11.5 | 0.010 |
| | | 3/8 | 3/8 | 6340 60 00WP2 | 33 | 16 | 53 | 17 | 0.011 |
| | | 1/2 | 1/2 | 6340 62 00WP2 | 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


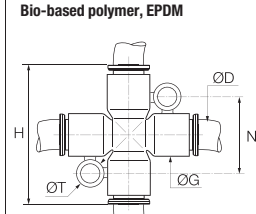

6307 Equal Cross

| | | | | | | | | |
|---|--|-----------|---|----------|----------|----------|-----------|-----------|
|  | Bio-based polymer, EPDM  | ØD |  | G | H | N | ØT | kg |
| | | 6 | 6307 06 00WP2 | 11 | 36 | 20 | 4.2 | 0.005 |
| | | 8 | 6307 08 00WP2 | 13.5 | 45 | 22.5 | 4.2 | 0.020 |


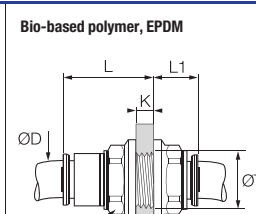

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

6307 Equal Cross

Inch

| | | | | | | | | |
|---|--|---|---|----------|----------|----------|-----------|-----------|
|  | Bio-based polymer, EPDM  | ØD |  | G | H | N | ØT | kg |
| | | 1/4 | 6307 56 00WP2 | 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. | | | | | | |


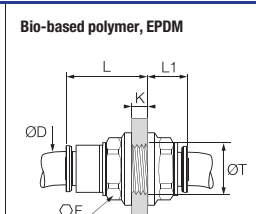

6316 Equal Bulkhead Connector

| | | | | | | | | | |
|---|---|-----------|--|----------|--------------|----------|-----------|---------------|-----------|
|  | Bio-based polymer, EPDM  | ØD |  | F | K max | L | L1 | ØT min | kg |
| | | 4 | 6316 04 00WP2 | 13 | 5.5 | 15.5 | 10.5 | 10.5 | 0.018 |
| | | 6 | 6316 06 00WP2 | 15 | 8.5 | 20 | 10 | 12.5 | 0.004 |
| | | 8 | 6316 08 00WP2 | 18 | 14.5 | 27 | 10.5 | 15.5 | 0.007 |
| | | 10 | 6316 10 00WP2 | 22 | 14.5 | 30 | 13 | 18.5 | 0.012 |
| | | 12 | 6316 12 00WP2 | 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


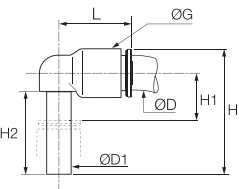
Inch

| | | | | | | | | | |
|---|--|-----------|---|----------|--------------|----------|-----------|---------------|-----------|
|  | Bio-based polymer, EPDM  | ØD |  | F | K max | L | L1 | ØT min | kg |
| | | 1/4 | 6316 56 00WP2 | 15 | 8.5 | 20 | 10 | 12.5 | 0.004 |
| | | 3/8 | 6316 60 00WP2 | 22 | 14.5 | 29.5 | 12.5 | 18.5 | 0.012 |
| | | 1/2 | 6316 62 00WP2 | 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


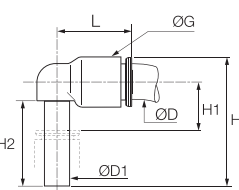
6382 Equal and Unequal Plug-In Elbow

|  | Bio-based polymer, EPDM | |  | ØD | ØD1 | | G | H | H1 | H2 | L | kg |
|---|-------------------------|----|---|-------------------------------|------|------|-----|------|------|-------|---|----|
| | 4 | 4 | | 6382 04 00WP2 | 8.5 | 23 | 6 | 15.5 | 15 | 0.003 | | |
| | | 6 | | 6382 04 06WP2 | 10.5 | 26.5 | 7 | 17 | 16.5 | 0.002 | | |
| | 6 | 6 | | 6382 06 00WP2 | 10.5 | 26.5 | 7 | 17 | 17 | 0.003 | | |
| | | 4 | | 6382 06 04WP2 | 10.5 | 25 | 7 | 15.5 | 17 | 0.001 | | |
| | 8 | 8 | | 6382 06 08WP2 | 13.5 | 33.5 | 8 | 21.5 | 22.5 | 0.004 | | |
| | | 8 | | 6382 08 00WP2 | 13.5 | 33.5 | 8 | 21.5 | 22.5 | 0.004 | | |
| | 8 | 10 | | 6382 08 10WP2 | 16 | 39 | 9.5 | 24.5 | 26 | 0.007 | | |
| | | 10 | | 6382 10 00WP2 | 16 | 39 | 9.5 | 24.5 | 26.5 | 0.004 | | |
| | 10 | 12 | | 6382 10 12WP2 | 19 | 44.5 | 10 | 27 | 30 | 0.011 | | |
| | | 12 | | 6382 12 00WP2 | 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).


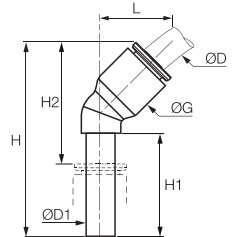
6382 Equal and Unequal Plug-In Elbow

Inch

|  | Bio-based polymer, EPDM | |  | ØD | ØD1 | | G | H | H1 | H2 | L | kg |
|---|-------------------------|-----|---|-------------------------------|-----|------|----|------|------|-------|---|----|
| | 5/16 | 3/8 | | 6382 08 60WP2 | 16 | 39 | 10 | 24.5 | 26 | 0.009 | | |
| | | 1/4 | | 6382 56 00WP2 | 11 | 30.5 | 11 | 18 | 18 | 0.002 | | |
| | 1/4 | 3/8 | | 6382 56 60WP2 | 16 | 39 | 9 | 24.5 | 25.5 | 0.006 | | |
| | | 3/8 | | 6382 60 00WP2 | 16 | 39 | 9 | 24.5 | 26.5 | 0.005 | | |
| | 1/2 | 1/2 | | 6382 62 00WP2 | 22 | 49 | 13 | 28.5 | 36 | 0.011 | | |


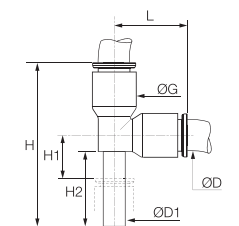
These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).
Equal plug-in elbow: 5/32" (4 mm) and 5/16" (8 mm) also available.

6380 Plug-In 45° Equal Elbow

|  | Bio-based polymer, EPDM | |  | ØD | ØD1 | | G | H | H1 | H2 | L | kg |
|---|-------------------------|----|---|-------------------------------|------|------|------|------|------|-------|---|----|
| | 4 | 4 | | 6380 04 00WP2 | 8.5 | 33.5 | 19 | 21 | 13 | 0.001 | | |
| | | 6 | | 6380 06 00WP2 | 11 | 39 | 21 | 25 | 14.5 | 0.002 | | |
| | 8 | 8 | | 6380 08 00WP2 | 13.5 | 44 | 21.5 | 25.5 | 19.5 | 0.006 | | |
| | | 10 | | 6380 10 00WP2 | 16 | 53 | 27 | 32.5 | 23 | 0.004 | | |
| | 12 | 12 | | 6380 12 00WP2 | 19 | 58 | 27 | 34 | 26 | 0.012 | | |


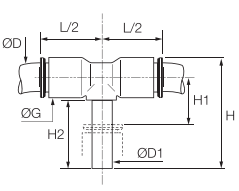
These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

6383 Plug-In Equal Run Tee

|  | Bio-based polymer, EPDM | |  | ØD | ØD1 | | G | H | H1 | H2 | L | kg |
|---|-------------------------|----|---|-------------------------------|------|------|------|------|------|-------|---|----|
| | 4 | 4 | | 6383 04 00WP2 | 8.5 | 33 | 6 | 15.5 | 15 | 0.002 | | |
| | | 6 | | 6383 06 00WP2 | 10.5 | 38.5 | 7 | 17 | 18 | 0.002 | | |
| | 8 | 8 | | 6383 08 00WP2 | 13.5 | 49 | 8 | 21.5 | 23 | 0.005 | | |
| | | 10 | | 6383 10 00WP2 | 16 | 57 | 10.5 | 25.5 | 26.5 | 0.012 | | |
| | 12 | 12 | | 6383 12 00WP2 | 19 | 65 | 36.5 | 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


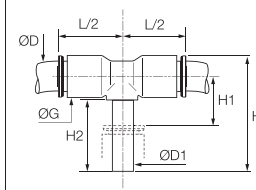

|  | Bio-based polymer, EPDM | |  | ØD | ØD1 | | G | H | H1 | H2 | L/2 | kg |
|---|-------------------------|----|---|-------------------------------|------|------|-----|------|------|-------|-----|----|
| | 4 | 4 | | 6388 04 00WP2 | 8.5 | 25 | 6 | 15.5 | 15 | 0.005 | | |
| | | 6 | | 6388 06 00WP2 | 10.5 | 28.5 | 7 | 17 | 16 | 0.006 | | |
| | 8 | 8 | | 6388 08 00WP2 | 13.5 | 33.5 | 8 | 21.5 | 23 | 0.005 | | |
| | | 10 | | 6388 10 00WP2 | 16 | 41 | 9.5 | 24.5 | 26.5 | 0.007 | | |
| | 12 | 12 | | 6388 12 00WP2 | 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


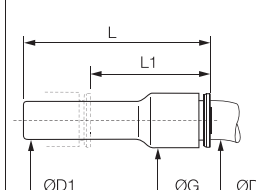

6388 Plug-In Equal Branch Tee

Inch

| | | | | | | | | | | | | |
|---|-------------------------|-----|---|-------------------------------|-----|---|------|----|----|----|-------|----|
|  | Bio-based polymer, EPDM | |  | ØD | ØD1 |  | G | H | H1 | H2 | L/2 | kg |
| | 1/4 | 1/4 | | 6388 56 00WP2 | 11 | | 30.5 | 11 | 20 | 18 | 0.002 | |
| | 3/8 | 3/8 | | 6388 60 00WP2 | 16 | | 42 | 12 | 25 | 25 | 0.008 | |
| | 1/2 | 1/2 | | 6388 62 00WP2 | 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.


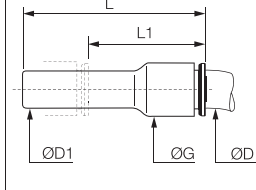

6366 Plug-In Reducer

| | | | | | | | | | | |
|---|-------------------------|----|---|-------------------------------|------|---|------|------|-------|----|
|  | Bio-based polymer, EPDM | |  | ØD | ØD1 |  | G | L | L1 | kg |
| | 4 | 6 | | 6366 04 06WP2 | 8.5 | | 38 | 23.5 | 0.004 | |
| | | 8 | | 6366 04 08WP2 | 8.5 | | 38 | 19 | 0.004 | |
| | 6 | 8 | | 6366 06 08WP2 | 10.5 | | 38 | 20 | 0.004 | |
| | | 10 | | 6366 06 10WP2 | 10.5 | | 39 | 17.5 | 0.002 | |
| | 8 | 10 | | 6366 08 10WP2 | 13.5 | | 48.5 | 28.5 | 0.009 | |
| | | 12 | | 6366 08 12WP2 | 13.5 | | 48.5 | 24.5 | 0.004 | |
| | 10 | 12 | | 6366 10 12WP2 | 16 | | 52 | 33.5 | 0.005 | |
| | | 14 | | 6366 10 14WP2 | 16 | | 53 | 33.5 | 0.005 | |
| | 12 | 14 | | 6366 12 14WP2 | 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


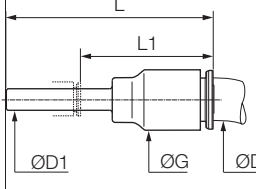

Inch

| | | | | | | | | | | |
|---|-------------------------|------|---|-------------------------------|------|---|------|------|-------|----|
|  | Bio-based polymer, EPDM | |  | ØD | ØD1 |  | G | L | L1 | kg |
| | 1/4 | 5/16 | | 6366 56 08WP2 | 11 | | 41 | 22.5 | 0.015 | |
| | | 3/8 | | 6366 56 60WP2 | 11 | | 41 | 20.5 | 0.002 | |
| | 5/16 | 3/8 | | 6366 08 60WP2 | 13.5 | | 48.5 | 29 | 0.003 | |
| | | 1/2 | | 6366 08 62WP2 | 16 | | 48.5 | 22 | 0.007 | |
| | 3/8 | 1/2 | | 6366 60 62WP2 | 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.


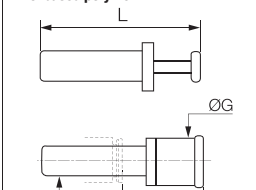

6368 Plug-In Increaser

Inch

| | | | | | | | | | | |
|---|-------------------------|------|---|-------------------------------|-----|---|----|------|-------|----|
|  | Bio-based polymer, EPDM | |  | ØD | ØD1 |  | G | L | L1 | kg |
| | 3/8 | 5/16 | | 6368 60 08WP2 | 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

| | | | | | | | | | |
|---|-------------------|-------------------------------|---|----|---|----|------|-------|----|
|  | Bio-based polymer | |  | ØD |  | G | L | L1 | kg |
| | 4 | 6326 04 00WP2 | | 6 | | 30 | 15.5 | 0.001 | |
| | 6 | 6326 06 00WP2 | | 8 | | 33 | 16.5 | 0.001 | |
| | 8 | 6326 08 00WP2 | | 10 | | 35 | 17.5 | 0.002 | |
| | 10 | 6326 10 00WP2 | | 12 | | 42 | 21 | 0.003 | |
| | 12 | 6326 12 00WP2 | | 14 | | 45 | 22 | 0.004 | |


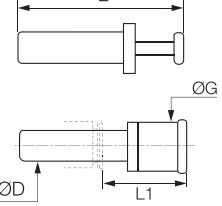

These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

Accessories

6326

Blanking Plug


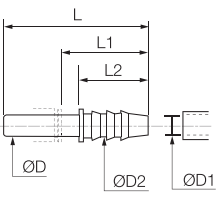

Inch

| | | | | | | | |
|---|--|-----------------|---|----------|----------|-----------|-----------|
|  | Bio-based polymer  | $\varnothing D$ |  | G | L | L1 | kg |
| | | 1/4 | 6326 56 00WP2 | 8 | 36.5 | 22 | 0.001 |
| | | 3/8 | 6326 60 00WP2 | 11.6 | 42.5 | 22 | 0.002 |
| | | 1/2 | 6326 62 00WP2 | 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


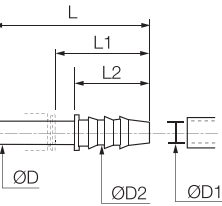

| | | | | | | | | | |
|---|--|-----------------|------------------|------------------|---|----------|-----------|-----------|-----------|
|  | Bio-based polymer  | $\varnothing D$ | $\varnothing D1$ | $\varnothing D2$ |  | L | L1 | L2 | kg |
| | | 6 | 4 | 7 | 6322 06 04WP2 | 39 | 25 | 17 | 0.004 |
| | | 8 | 6 | 8.5 | 6322 08 06WP2 | 43 | 25 | 17 | 0.005 |
| | | 10 | 7 | 8 | 6322 10 07WP2 | 50 | 29.5 | 22 | 0.006 |
| | | 12 | 12.5 | 15.5 | 6322 12 62WP2 | 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


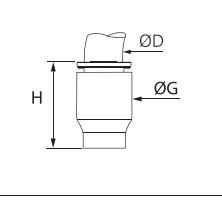

Inch

| | | | | | | | | | |
|---|--|-----------------|------------------|------------------|--|----------|-----------|-----------|-----------|
|  | Bio-based polymer  | $\varnothing D$ | $\varnothing D1$ | $\varnothing D2$ |  | L | L1 | L2 | kg |
| | | 1/4 | 0.28 | 0.32 | 6322 56 56WP2 | 39 | 24.5 | 17 | 0.001 |
| | | | 0.33 | 0.38 | 6322 60 08WP2 | 50 | 29.5 | 22 | 0.001 |
| | | 3/8 | 0.28 | 0.32 | 6322 60 56WP2 | 45 | 24.5 | 17 | 0.008 |
| | | | 0.40 | 0.45 | 6322 60 60WP2 | 50 | 29 | 22 | 0.002 |
| | | 1/2 | 0.40 | 0.45 | 6322 62 60WP2 | 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


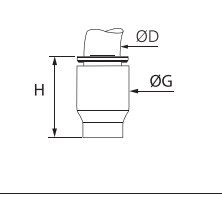

| | | | | | | |
|---|--|-----------------|---|----------|----------|-----------|
|  | Bio-based polymer, EPDM  | $\varnothing D$ |  | G | H | kg |
| | | 4 | 6351 04 00WP2 | 8.5 | 15 | 0.001 |
| | | 6 | 6351 06 00WP2 | 10.5 | 17 | 0.002 |
| | | 8 | 6351 08 00WP2 | 13.5 | 21.5 | 0.003 |
| | | 10 | 6351 10 00WP2 | 16 | 22 | 0.003 |
| | | 12 | 6351 12 00WP2 | 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


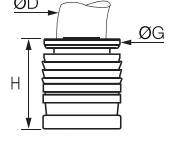


Inch

| | | | | | | |
|---|--|-----------------|---|----------|----------|-----------|
|  | Bio-based polymer, EPDM  | $\varnothing D$ |  | G | H | kg |
| | | 1/4 | 6351 56 00WP2 | 11 | 16 | 0.001 |
| | | 3/8 | 6351 60 00WP2 | 16 | 22.5 | 0.003 |


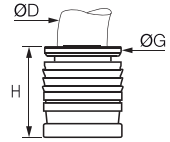


These part numbers are also available in WP3 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).
5/32" (4 mm) and 5/16" (8 mm) also available.

Polymer Cartridges for Fluids and Gases

6300 LIQUIfit® Cartridge

| | | | | | | | | | |
|---|--|-----------------------------|---|----------|---|----------|----------|-----------|--|
|  | Brass, EPDM  | ØD |  | G | G1 | H | L | kg | |
| | | 4 | 6300 04 00 | 8 | 11 | 10 | 554 | 0.002 | |
| | | 6 | 6300 06 00 | 10 | 14.5 | 11.5 | 629 | 0.002 | |
| | | 8 | 6300 08 00 | 13 | 15 | 15 | 794 | 0.003 | |
| | | 10 | 6300 10 00 | 15.5 | 19.5 | 17 | 930 | 0.005 | |
| | | 12 | 6300 12 00 | 18.5 | 21 | 19.5 | 1038 | 0.010 | |
| | | 50 cartridges per Carstick® | | |  | | | | |

6300 LIQUIfit® Cartridge

| | | | | | | | | | |
|---|--|---|---|----------|---|----------|----------|-----------|-------------|
|  | Brass, EPDM  | ØD |  | G | G1 | H | L | kg | Inch |
| | | 1/4 | 6300 56 00 | 10.5 | 14.5 | 12.5 | 600 | 0.002 | |
| | | 3/8 | 6300 60 00 | 15.5 | 19 | 17 | 930 | 0.005 | |
| | | 1/2 | 6300 62 00 | 22 | 25 | 23 | 1038 | 0.011 | |
| | | 50 cartridges per Carstick® 5/32" (4 mm) and 5/16" (8 mm) also available | | |  | | | | |

LIQUIfit® Cavity Dimensions

| LIQUIfit® Carstick® | | | | | Metric | LIQUIfit® Carstick® | | | | | Inch |
|---------------------|-------|------|------|-------|--------|---------------------|------|-------|------|------|------|
| Cavity | ØD3 | H | H1 | H2 | | Cavity | ØD3 | H | H1 | H2 | |
| 4 | 4.1 | 10 | 6 | 8.15 | | 1/8 | 3.25 | 7.45 | 5.3 | 9.5 | |
| 6 | 6.1 | 12 | 7.5 | 9.65 | | 5/32* | 4.1 | 8.15 | 6 | 10 | |
| 8 | 8.15 | 15.5 | 9.9 | 12.45 | | 1/4 | 6.45 | 10.15 | 8 | 12.5 | |
| 10 | 10.25 | 19 | 11.7 | 14.35 | | 5/16* | 8.15 | 12.45 | 9.9 | 15.5 | |
| 12 | 12.17 | 22 | 13.9 | 16.75 | | 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 |

| 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 |

| 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 |




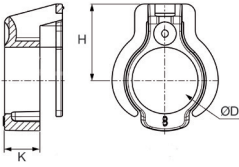
Please consult us for detailed drawings of cavity dimensions and tolerances.

All our dimensions are in millimeters.



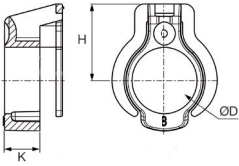
*5/32" = 4 mm and 5/16" = 8 mm

Accessories







3130 Tamper-Proof Safety Clip

| Technical polymer | ØD |  |  |  |  |  |  | H | K | kg |
|---|----|---|---|---|---|---|---|-------|------|-------|
|  | 4 | 3130 04 01 | 3130 04 02 | 3130 04 03 | 3130 04 04 | 3130 04 05 | 3130 04 10 | 6.60 | 3.00 | 0.001 |
| | 6 | 3130 06 01 | 3130 06 02 | 3130 06 03 | 3130 06 04 | 3130 06 05 | 3130 06 10 | 7.80 | 3.10 | 0.001 |
| | 8 | 3130 08 01 | 3130 08 02 | 3130 08 03 | 3130 08 04 | 3130 08 05 | 3130 08 10 | 9.50 | 4.30 | 0.001 |
| | 10 | 3130 10 01 | 3130 10 02 | 3130 10 03 | 3130 10 04 | 3130 10 05 | 3130 10 10 | 10.80 | 4.20 | 0.002 |
| | 12 | 3130 12 01 | 3130 12 02 | 3130 12 03 | 3130 12 04 | 3130 12 05 | 3130 12 10 | 12.50 | 5.10 | 0.003 |
| | 14 | 3130 14 01 | 3130 14 02 | 3130 14 03 | 3130 14 04 | 3130 14 05 | 3130 14 10 | 12.50 | 5.10 | 0.004 |







3130 Tamper-Proof Safety Clip Inch

| Technical polymer | ØD |  |  |  |  |  |  | H | K | kg |
|---|--|---|---|---|---|---|---|-------|------|-------|
|  | 1/4 | 3130 56 01 | 3130 56 02 | 3130 56 03 | 3130 56 04 | 3130 56 05 | 3130 56 10 | 7.80 | 3.10 | 0.001 |
| | 3/8 | 3130 60 01 | 3130 60 02 | 3130 60 03 | 3130 60 04 | 3130 60 05 | 3130 60 10 | 10.80 | 4.20 | 0.002 |
| | 1/2 | 3130 62 01 | 3130 62 02 | 3130 62 03 | 3130 62 04 | 3130 62 05 | 3130 62 10 | 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 | 3110 04 00 | 3110 04 02 | 3110 04 03 | 3110 04 04 | 3110 04 05 | 0.001 |
| | 6 | 3110 06 00 | 3110 06 02 | 3110 06 03 | 3110 06 04 | 3110 06 05 | 0.001 |
| | 8 | 3110 08 00 | 3110 08 02 | 3110 08 03 | 3110 08 04 | 3110 08 05 | 0.001 |
| | 10 | 3110 10 00 | 3110 10 02 | 3110 10 03 | 3110 10 04 | 3110 10 05 | 0.001 |
| | 12 | 3110 12 00 | 3110 12 02 | 3110 12 03 | 3110 12 04 | 3110 12 05 | 0.001 |
| | 14 | 3110 14 00 | 3110 14 02 | 3110 14 03 | 3110 14 04 | 3110 14 05 | 0.002 |



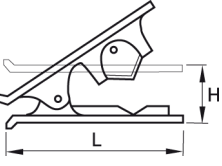
3110 Coloured Release Button Covers Inch

| Technical polymer | ØD |  |  |  |  |  | kg |
|---|--|---|---|---|---|---|-------|
|  | 1/4 | 3110 56 00 | 3110 56 02 | 3110 56 03 | 3110 56 04 | 3110 56 05 | 0.001 |
| | 3/8 | 3110 60 00 | 3110 60 02 | 3110 60 03 | 3110 60 04 | 3110 60 05 | 0.001 |
| | 1/2 | 3110 62 00 | 3110 62 02 | 3110 62 03 | 3110 62 04 | 3110 62 05 | 0.001 |
| | 5/32" (4 mm) and 5/16" (8 mm) also available | | | | | | |

0605 Fluoropolymer Tape

| | | | |
|---|---|---|-----------|
|  | FKM |  | kg |
| | | 0605 12 12 | 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 |
| |  | 3000 71 00 | 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 3/8" (without preparation) and on polymer tubing
- Extremely compact
- 100% bio-based material
- Patented sealing technology (FR29461418)
- No tube movement after connection



Food Process
Medical
Beverage Dispensers
Pharmaceutical
Chemical
Brewing

Applications

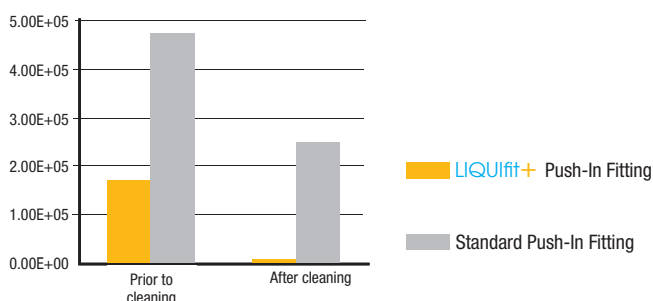
Technical Characteristics

| | |
|----------------------------|---|
| Compatible Fluids | Beer, water, beverages, industrial fluids |
| Working Pressure | Vacuum to 16 bar |
| Working Temperature | -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).

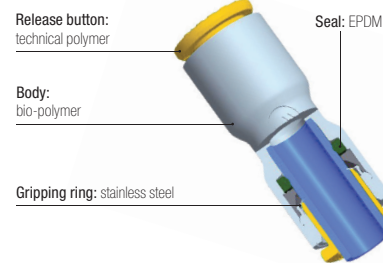
Cleaning Efficiency

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


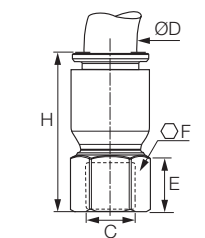

Regulations

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


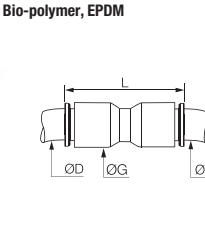

Inch

| | | | |
|---|--|--|--------------------------------------|
|  | Bio-polymer, EPDM  | ØD C  | E F H kg |
| | | 3/8 G1/2 6333 60 21WP3 | 14 11 30 0.010 |
| | | 3/8 G5/8 6333 60 23WP3 | 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


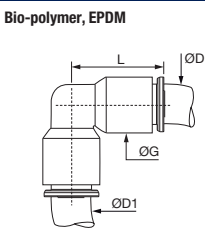

Inch

| | | | |
|---|--|--|------------------------------|
|  | Bio-polymer, EPDM  | ØD ØD1  | ØG L kg |
| | | 5/16 6336 08 00WP3 | 13.5 37 0.004 |
| | | 5/16 3/8 6336 08 60WP3 | 16 42 0.008 |
| | | 5/16 1/2 6336 08 62WP3 | 22 55 0.016 |
| | | 3/8 3/8 6336 60 00WP3 | 16 42 0.006 |
| | | 3/8 1/2 6336 60 62WP3 | 22 56 0.020 |
| | | 1/2 1/2 6336 62 00WP3 | 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


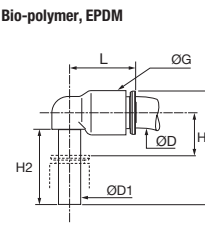

Inch

| | | | |
|---|--|--|------------------------------|
|  | Bio-polymer, EPDM  | ØD ØD1  | ØG L kg |
| | | 5/16 5/16 6332 08 00WP3 | 13.5 29 0.004 |
| | | 5/16 3/8 6332 08 60WP3 | 16 34 0.009 |
| | | 3/8 3/8 6332 60 00WP3 | 16 34 0.006 |
| | | 3/8 1/2 6332 60 62WP3 | 22 46.5 0.011 |
| | | 1/2 1/2 6332 62 00WP3 | 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 6331 08 00WP3 | 13.5 33.5 8 21.5 22.5 0.004 |
| | | 3/8 3/8 6331 60 00WP3 | 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 3/8".
- 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 phthalates, conforming with regulations



Industrial Fluids
Beverage Process
Inert Gases
Cooling Systems
Food Process

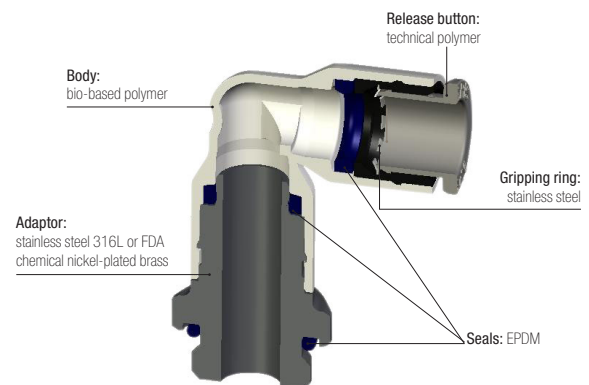
Applications

Technical Characteristics

| | | | | | | |
|----------------------------------|---|---------|------|------|------|------|
| Compatible Fluids | Water, beverages, industrial fluids: stainless steel threads Industrial fluids: FDA chemical nickel-plated brass threads | | | | | |
| Working Pressure | Vacuum to 16 bar | | | | | |
| Working Temperature | -10°C to +95°C | | | | | |
| Tightening Torques (BSPP) | 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

| ØD | C |  | E | F | F1 | H | Kg |
|----|--------|---|-----|----|-----|------|-------|
| | | | | | | | |
| 4 | M5x0.8 | 6911 04 19 | 3 | 10 | 2.5 | 14 | 0.006 |
| | G1/8 | 6911 04 10 | 4.5 | 13 | 3 | 11.5 | 0.007 |
| | G1/4 | 6911 04 13 | 5.5 | 16 | 3 | 10.5 | 0.011 |
| 6 | M5x0.8 | 6911 06 19 | 3 | 10 | 2.5 | 16 | 0.005 |
| | G1/8 | 6911 06 10 | 4.5 | 13 | 4 | 13 | 0.007 |
| | G1/4 | 6911 06 13 | 5.5 | 16 | 4 | 12.5 | 0.011 |
| 8 | G1/8 | 6911 08 10 | 4.5 | 13 | 5 | 20.5 | 0.011 |
| | G1/4 | 6911 08 13 | 5.5 | 16 | 6 | 19.5 | 0.016 |
| | G3/8 | 6911 08 17 | 5.5 | 21 | 6 | 18 | 0.022 |
| 10 | G1/4 | 6911 10 13 | 5.5 | 16 | 7 | 23 | 0.018 |
| | G3/8 | 6911 10 17 | 5.5 | 21 | 8 | 19.5 | 0.021 |
| | G1/2 | 6911 10 21 | 7 | 24 | 8 | 18 | 0.033 |
| 12 | G3/8 | 6911 12 17 | 5.5 | 21 | 9 | 27 | 0.029 |
| | G1/2 | 6911 12 21 | 7 | 24 | 10 | 22.5 | 0.035 |

6975 Stud Fitting, Male BSPT Thread


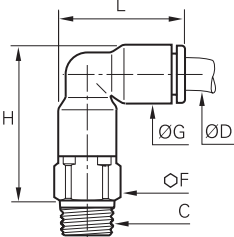

| ØD | C |  | F | F1 | H | Kg |
|----|------|---|----|----|------|-------|
| | | | | | | |
| 4 | R1/8 | 6975 04 10 | 10 | 3 | 9.5 | 0.005 |
| | R1/4 | 6975 04 13 | 14 | 3 | 6.5 | 0.012 |
| 6 | R1/8 | 6975 06 10 | 10 | 4 | 11.5 | 0.005 |
| | R1/4 | 6975 06 13 | 14 | 4 | 8.5 | 0.011 |
| 8 | R1/8 | 6975 08 10 | 13 | 5 | 20 | 0.011 |
| | R1/4 | 6975 08 13 | 14 | 6 | 17 | 0.014 |
| | R3/8 | 6975 08 17 | 17 | 6 | 13 | 0.021 |
| 10 | R1/4 | 6975 10 13 | 16 | 7 | 20 | 0.017 |
| | R3/8 | 6975 10 17 | 17 | 8 | 16.5 | 0.019 |
| | R1/2 | 6975 10 21 | 21 | 8 | 14 | 0.037 |
| 12 | R3/8 | 6975 12 17 | 19 | 9 | 24 | 0.028 |
| | R1/2 | 6975 12 21 | 21 | 10 | 19.5 | 0.036 |

6959 Stud Elbow, Male BSPP and Metric Thread


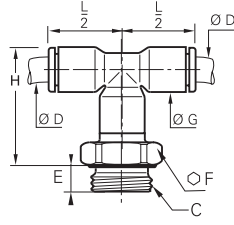

| ØD | C |  | E | F | G | H | L | Kg |
|----|--------|---|-----|----|------|------|------|-------|
| | | | | | | | | |
| 4 | M5x0.8 | 6959 04 19 | 3.5 | 10 | 8.5 | 23 | 19 | 0.009 |
| | G1/8 | 6959 04 10 | 4.5 | 13 | 8.5 | 22.5 | 19 | 0.009 |
| | G1/4 | 6959 04 13 | 5.5 | 16 | 8.5 | 22.5 | 19 | 0.014 |
| 6 | M5x0.8 | 6959 06 19 | 3.5 | 10 | 10.5 | 26.5 | 22.5 | 0.008 |
| | G1/8 | 6959 06 10 | 4.5 | 13 | 10.5 | 26.5 | 22.5 | 0.011 |
| | G1/4 | 6959 06 13 | 5.5 | 16 | 10.5 | 26.5 | 22.5 | 0.016 |
| 8 | G1/8 | 6959 08 10 | 4.5 | 13 | 13.5 | 35 | 29.5 | 0.018 |
| | G1/4 | 6959 08 13 | 5.5 | 16 | 13.5 | 33 | 29.5 | 0.020 |
| | G3/8 | 6959 08 17 | 5.5 | 21 | 13.5 | 33 | 29.5 | 0.028 |
| 10 | G1/4 | 6959 10 13 | 5.5 | 16 | 16 | 40.5 | 34 | 0.029 |
| | G3/8 | 6959 10 17 | 5.5 | 21 | 16 | 39 | 34 | 0.037 |
| | G1/2 | 6959 10 21 | 7 | 24 | 16 | 39 | 34 | 0.042 |
| 12 | G3/8 | 6959 12 17 | 5.5 | 21 | 19 | 42 | 40 | 0.040 |
| | G1/2 | 6959 12 21 | 7 | 24 | 19 | 42 | 40 | 0.049 |

Stud Fittings with Stainless Steel Adaptor

6979 Stud Elbow, Male BSPT Thread


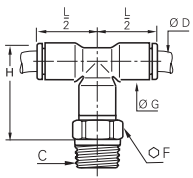

| | | | | | | | | | | | |
|---|---|----------------------------|---|----------------------------|----------|---|----------|----------|----------|----------|-----------|
|  | Bio-based polymer, stainless steel 316L, EPDM | |  | ØD | C |  | F | G | H | L | Kg |
| | 4 | R1/8 | | 6979 04 10 | 10 | 8.5 |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

6958 Stud Branch Tee, Male BSPP and Metric Thread

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

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

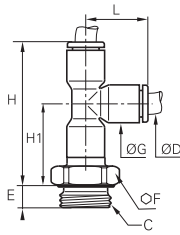
These products are available upon request, with minimum order quantity of 100 pieces.

Stud Fittings with Stainless Steel Adaptor

6953 Stud Run Tee, Male BSPP and Metric Thread



Bio-based polymer, stainless steel
316L, EPDM



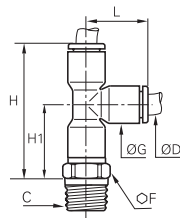
| ØD | C | | E | F | G | H | H1 | L | Kg |
|----|--------|----------------------------|-----|----|------|----|----|------|-------|
| 4 | M5x0.8 | 6953 04 19 | 3.5 | 10 | 8.5 | 32 | 19 | 14.5 | 0.010 |
| | G1/8 | 6953 04 10 | 5 | 13 | 8.5 | 30 | 18 | 14.5 | 0.022 |
| | G1/4 | 6953 04 13 | 5.5 | 16 | 8.5 | 30 | 18 | 14.5 | 0.012 |
| 6 | M5x0.8 | 6953 06 19 | 3.5 | 10 | 10.5 | 39 | 23 | 17.5 | 0.024 |
| | G1/8 | 6953 06 10 | 5 | 13 | 10.5 | 38 | 22 | 17.5 | 0.022 |
| | G1/4 | 6953 06 13 | 5.5 | 16 | 10.5 | 38 | 22 | 17.5 | 0.027 |
| 8 | G1/8 | 6953 08 10 | 4.5 | 13 | 13.5 | 54 | 31 | 23 | 0.039 |
| | G1/4 | 6953 08 13 | 5.5 | 16 | 13.5 | 52 | 29 | 23 | 0.038 |
| | G3/8 | 6953 08 17 | 5.5 | 21 | 13.5 | 52 | 29 | 23 | 0.050 |
| 10 | G1/4 | 6953 10 13 | 5.5 | 16 | 16 | 61 | 35 | 26.5 | 0.073 |
| | G3/8 | 6953 10 17 | 5.5 | 21 | 16 | 61 | 35 | 26.5 | 0.062 |
| | G1/2 | 6953 10 21 | 7.5 | 24 | 16 | 61 | 35 | 26.5 | 0.079 |
| 12 | G3/8 | 6953 12 17 | 5.5 | 21 | 19 | 67 | 36 | 31 | 0.026 |
| | G1/2 | 6953 12 21 | 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




| ØD | C | | F | G | H | H1 | L | Kg |
|----|------|----------------------------|----|------|----|----|------|-------|
| 4 | R1/8 | 6973 04 10 | 10 | 8.5 | 31 | 18 | 14.5 | 0.009 |
| | R1/4 | 6973 04 13 | 14 | 8.5 | 31 | 19 | 14.5 | 0.020 |
| 6 | R1/8 | 6973 06 10 | 10 | 10.5 | 38 | 22 | 17.5 | 0.011 |
| | R1/4 | 6973 06 13 | 14 | 10.5 | 39 | 23 | 17.5 | 0.022 |
| 8 | R1/8 | 6973 08 10 | 13 | 13.5 | 53 | 30 | 23 | 0.020 |
| | R1/4 | 6973 08 13 | 14 | 13.5 | 52 | 29 | 23 | 0.024 |
| | R3/8 | 6973 08 17 | 17 | 13.5 | 52 | 29 | 23 | 0.035 |
| 10 | R1/4 | 6973 10 13 | 15 | 16 | 61 | 35 | 26.5 | 0.034 |
| | R3/8 | 6973 10 17 | 17 | 16 | 61 | 35 | 26.5 | 0.045 |
| | R1/2 | 6973 10 21 | 21 | 16 | 61 | 35 | 26.5 | 0.066 |
| 12 | R3/8 | 6973 12 17 | 19 | 19 | 70 | 39 | 31 | 0.056 |
| | R1/2 | 6973 12 21 | 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

| ØD | C |  | E | F | F1 | H | Kg |
|----|--------|---|-----|----|-----|------|-------|
| | | | | | | | |
| 4 | M5x0.8 | 6901 04 19 | 3 | 8 | 2.5 | 14 | 0.003 |
| | G1/8 | 6901 04 10 | 5.5 | 13 | 3 | 11.5 | 0.007 |
| | G1/4 | 6901 04 13 | 5.5 | 16 | 3 | 10.5 | 0.011 |
| 6 | M5x0.8 | 6901 06 19 | 3 | 10 | 2.5 | 16 | 0.005 |
| | G1/8 | 6901 06 10 | 4.5 | 13 | 4 | 13 | 0.007 |
| | G1/4 | 6901 06 13 | 5.5 | 16 | 4 | 12.5 | 0.011 |
| 8 | G1/8 | 6901 08 10 | 4.5 | 13 | 5 | 20.5 | 0.011 |
| | G1/4 | 6901 08 13 | 5.5 | 16 | 6 | 19.5 | 0.016 |
| | G3/8 | 6901 08 17 | 5.5 | 20 | 6 | 18 | 0.022 |
| 10 | G1/4 | 6901 10 13 | 5.5 | 16 | 7 | 23 | 0.018 |
| | G3/8 | 6901 10 17 | 5.5 | 20 | 8 | 19.5 | 0.021 |
| | G1/2 | 6901 10 21 | 7 | 24 | 8 | 18 | 0.033 |
| 12 | G3/8 | 6901 12 17 | 5.5 | 20 | 9 | 27 | 0.029 |
| | G1/2 | 6901 12 21 | 7 | 24 | 10 | 22.5 | 0.035 |

6905 Stud Fitting, Male BSPT Thread

| ØD | C |  | F | F1 | H | Kg |
|----|------|---|----|----|------|-------|
| | | | | | | |
| 4 | R1/8 | 6905 04 10 | 10 | 3 | 9.5 | 0.005 |
| | R1/4 | 6905 04 13 | 14 | 3 | 6.5 | 0.012 |
| 6 | R1/8 | 6905 06 10 | 10 | 4 | 11.5 | 0.005 |
| | R1/4 | 6905 06 13 | 14 | 4 | 8.5 | 0.011 |
| 8 | R1/8 | 6905 08 10 | 13 | 5 | 20 | 0.011 |
| | R1/4 | 6905 08 13 | 14 | 6 | 17 | 0.014 |
| 10 | R3/8 | 6905 08 17 | 17 | 6 | 13 | 0.021 |
| | R1/4 | 6905 10 13 | 16 | 7 | 20 | 0.017 |
| | R3/8 | 6905 10 17 | 17 | 8 | 16.5 | 0.019 |
| 12 | R1/2 | 6905 10 21 | 21 | 8 | 14 | 0.037 |
| | R3/8 | 6905 12 17 | 19 | 9 | 24 | 0.028 |
| | R1/2 | 6905 12 21 | 21 | 10 | 19.5 | 0.036 |

6999 Stud Elbow, Male BSPP and Metric Thread

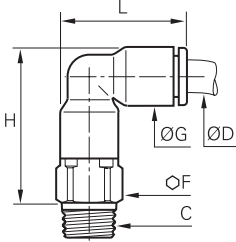
| ØD | C |  | E | F | G | H | L | Kg |
|----|--------|---|-----|----|------|------|------|-------|
| | | | | | | | | |
| 4 | M5x0.8 | 6999 04 19 | 3.5 | 8 | 8.5 | 23 | 19 | 0.005 |
| | G1/8 | 6999 04 10 | 4.5 | 13 | 8.5 | 22.5 | 19 | 0.009 |
| | G1/4 | 6999 04 13 | 5.5 | 16 | 8.5 | 22.5 | 19 | 0.014 |
| 6 | M5x0.8 | 6999 06 19 | 3.5 | 10 | 10.5 | 26.5 | 22.5 | 0.008 |
| | G1/8 | 6999 06 10 | 4.5 | 13 | 10.5 | 26.5 | 22.5 | 0.011 |
| | G1/4 | 6999 06 13 | 5.5 | 16 | 10.5 | 26.5 | 22.5 | 0.016 |
| 8 | G1/8 | 6999 08 10 | 4.5 | 13 | 13.5 | 35 | 29.5 | 0.018 |
| | G1/4 | 6999 08 13 | 5.5 | 16 | 13.5 | 33 | 29.5 | 0.020 |
| | G3/8 | 6999 08 17 | 5.5 | 20 | 13.5 | 33 | 29.5 | 0.028 |
| 10 | G1/4 | 6999 10 13 | 5.5 | 16 | 16 | 40.5 | 34 | 0.029 |
| | G3/8 | 6999 10 17 | 5.5 | 20 | 16 | 39 | 34 | 0.037 |
| | G1/2 | 6999 10 21 | 7 | 24 | 16 | 39 | 34 | 0.042 |
| 12 | G3/8 | 6999 12 17 | 5.5 | 20 | 19 | 42 | 40 | 0.040 |
| | G1/2 | 6999 12 21 | 7 | 24 | 19 | 42 | 40 | 0.049 |

Stud Fittings with FDA Chemical Nickel-Plated Brass Adaptor

6909 Stud Elbow, Male BSPT Thread



Bio-based polymer, FDA chemical nickel plated brass, EPDM

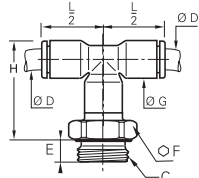


| ØD | C | | F | G | H | L | Kg |
|----|------|------------|----|------|------|------|-------|
| 4 | R1/8 | 6909 04 10 | 10 | 8.5 | 23 | 19 | 0.008 |
| | R1/4 | 6909 04 13 | 14 | 8.5 | 23.5 | 19 | 0.018 |
| 6 | R1/8 | 6909 06 10 | 10 | 10.5 | 27 | 22.5 | 0.010 |
| | R1/4 | 6909 06 13 | 14 | 10.5 | 27.5 | 22.5 | 0.020 |
| 8 | R1/8 | 6909 08 10 | 13 | 13.5 | 33.5 | 29.5 | 0.018 |
| | R1/4 | 6909 08 13 | 14 | 13.5 | 32.5 | 29.5 | 0.022 |
| 10 | R3/8 | 6909 08 17 | 17 | 13.5 | 33 | 29.5 | 0.032 |
| | R1/4 | 6909 10 13 | 15 | 16 | 39.5 | 34 | 0.031 |
| | R3/8 | 6909 10 17 | 17 | 16 | 39.5 | 34 | 0.041 |
| 12 | R1/2 | 6909 10 21 | 21 | 16 | 39.5 | 34 | 0.060 |
| | R3/8 | 6909 12 17 | 19 | 19 | 45.5 | 40.5 | 0.051 |
| | R1/2 | 6909 12 21 | 21 | 19 | 45.5 | 40.5 | 0.065 |

6998 Stud Branch Tee, Male BSPP and Metric Thread



Bio-based polymer, FDA chemical nickel plated brass, EPDM



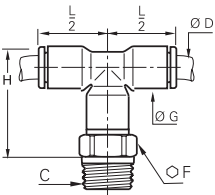
| ØD | C | | E | F | G | H | L/2 | Kg |
|----|--------|------------|-----|----|------|------|------|-------|
| 4 | M5x0.8 | 6998 04 19 | 3.5 | 8 | 8.5 | 24 | 14 | 0.010 |
| | G1/8 | 6998 04 10 | 5 | 13 | 8.5 | 22 | 14 | 0.022 |
| | G1/4 | 6998 04 13 | 5.5 | 16 | 8.5 | 22 | 14 | 0.012 |
| 6 | M5x0.8 | 6998 06 19 | 3.5 | 10 | 10.5 | 30 | 16 | 0.024 |
| | G1/8 | 6998 06 10 | 5 | 13 | 10.5 | 29 | 16 | 0.022 |
| | G1/4 | 6998 06 13 | 5.5 | 16 | 10.5 | 29 | 16 | 0.027 |
| 8 | G1/8 | 6998 08 10 | 4.5 | 13 | 13.5 | 38 | 23 | 0.039 |
| | G1/4 | 6998 08 13 | 5.5 | 16 | 13.5 | 36 | 23 | 0.038 |
| | G3/8 | 6998 08 17 | 5.5 | 20 | 13.5 | 36 | 23 | 0.050 |
| 10 | G1/4 | 6998 10 13 | 5.5 | 16 | 16 | 43 | 26.5 | 0.073 |
| | G3/8 | 6998 10 17 | 5.5 | 20 | 16 | 43 | 26.5 | 0.062 |
| | G1/2 | 6998 10 21 | 7.5 | 24 | 16 | 43 | 26.5 | 0.079 |
| 12 | G3/8 | 6998 12 17 | 5.5 | 20 | 19 | 45.5 | 31 | 0.026 |
| | G1/2 | 6998 12 21 | 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



Bio-based polymer, FDA chemical nickel plated brass, EPDM



| ØD | C | | F | G | H | L/2 | Kg |
|----|------|------------|----|------|------|------|-------|
| 4 | R1/8 | 6908 04 10 | 10 | 8.5 | 17 | 14 | 0.009 |
| | R1/4 | 6908 04 13 | 14 | 8.5 | 17 | 14 | 0.020 |
| 6 | R1/8 | 6908 06 10 | 10 | 10.5 | 23 | 16 | 0.011 |
| | R1/4 | 6908 06 13 | 14 | 10.5 | 23 | 16 | 0.022 |
| 8 | R1/8 | 6908 08 10 | 13 | 13.5 | 30 | 23 | 0.020 |
| | R1/4 | 6908 08 13 | 14 | 13.5 | 30 | 23 | 0.024 |
| 10 | R3/8 | 6908 08 17 | 17 | 13.5 | 30 | 23 | 0.035 |
| | R1/4 | 6908 10 13 | 15 | 16 | 34.5 | 26.5 | 0.034 |
| | R3/8 | 6908 10 17 | 17 | 16 | 34.5 | 26.5 | 0.045 |
| 12 | R1/2 | 6908 10 21 | 21 | 16 | 34.5 | 26.5 | 0.066 |
| | R3/8 | 6908 12 17 | 19 | 19 | 40.5 | 31 | 0.056 |
| | R1/2 | 6908 12 21 | 21 | 19 | 40.5 | 31 | 0.072 |

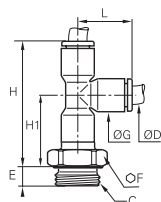
These products are available upon request, with minimum order quantity of 100 pieces.

Stud Fittings with FDA Chemical Nickel-Plated Brass Adaptor

6993 Stud Run Tee, Male BSPP and Metric Thread



Bio-based polymer, FDA chemical nickel plated brass, EPDM



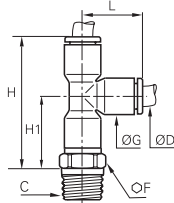
| ØD | C | | E | F | G | H | H1 | L | Kg |
|----|--------|----------------------------|-----|----|------|----|----|------|-------|
| 4 | M5x0.8 | 6993 04 19 | 3.5 | 8 | 8.5 | 32 | 19 | 14.5 | 0.010 |
| | G1/8 | 6993 04 10 | 5 | 13 | 8.5 | 30 | 18 | 14.5 | 0.022 |
| | G1/4 | 6993 04 13 | 5.5 | 16 | 8.5 | 30 | 18 | 14.5 | 0.012 |
| 6 | M5x0.8 | 6993 06 19 | 3.5 | 10 | 10.5 | 39 | 23 | 17.5 | 0.024 |
| | G1/8 | 6993 06 10 | 5 | 13 | 10.5 | 38 | 22 | 17.5 | 0.022 |
| | G1/4 | 6993 06 13 | 5.5 | 16 | 10.5 | 38 | 22 | 17.5 | 0.027 |
| 8 | G1/8 | 6993 08 10 | 4.5 | 13 | 13.5 | 54 | 31 | 23 | 0.039 |
| | G1/4 | 6993 08 13 | 5.5 | 16 | 13.5 | 52 | 29 | 23 | 0.038 |
| | G3/8 | 6993 08 17 | 5.5 | 20 | 13.5 | 52 | 29 | 23 | 0.050 |
| 10 | G1/4 | 6993 10 13 | 5.5 | 16 | 16 | 61 | 35 | 26.5 | 0.073 |
| | G3/8 | 6993 10 17 | 5.5 | 20 | 16 | 61 | 35 | 26.5 | 0.062 |
| | G1/2 | 6993 10 21 | 7.5 | 24 | 16 | 61 | 35 | 26.5 | 0.079 |
| 12 | G3/8 | 6993 12 17 | 5.5 | 20 | 19 | 67 | 36 | 31 | 0.026 |
| | G1/2 | 6993 12 21 | 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

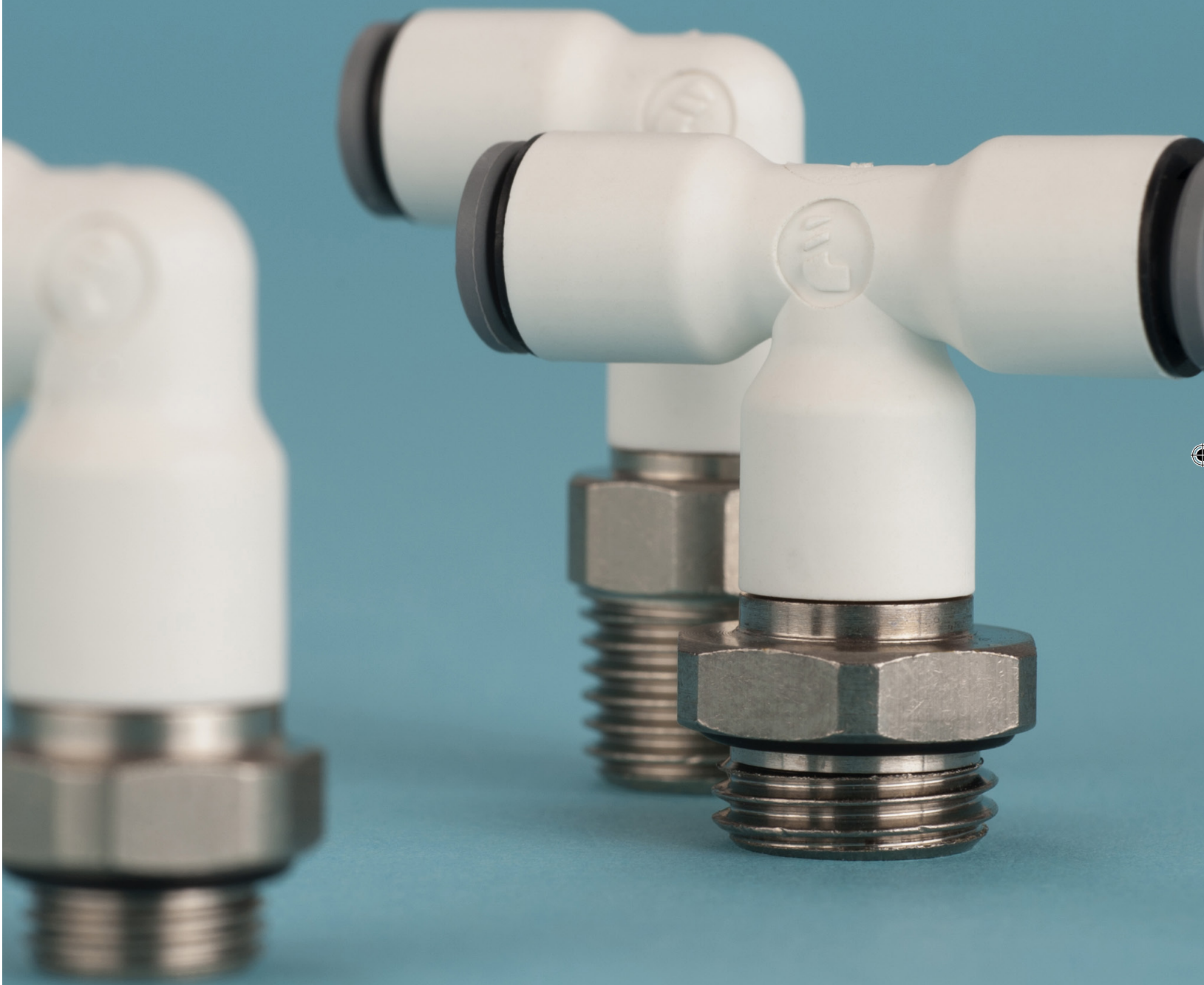


Bio-based polymer, FDA chemical nickel plated brass, EPDM



| ØD | C | | F | G | H | H1 | L | Kg |
|----|------|----------------------------|----|------|----|----|------|-------|
| 4 | R1/8 | 6903 04 10 | 10 | 8.5 | 31 | 18 | 14.5 | 0.009 |
| | R1/4 | 6903 04 13 | 14 | 8.5 | 31 | 19 | 14.5 | 0.020 |
| 6 | R1/8 | 6903 06 10 | 10 | 10.5 | 38 | 22 | 17.5 | 0.011 |
| | R1/4 | 6903 06 13 | 14 | 10.5 | 39 | 23 | 17.5 | 0.022 |
| 8 | R1/8 | 6903 08 10 | 13 | 13.5 | 53 | 30 | 23 | 0.020 |
| | R1/4 | 6903 08 13 | 14 | 13.5 | 52 | 29 | 23 | 0.024 |
| | R3/8 | 6903 08 17 | 17 | 13.5 | 52 | 29 | 23 | 0.035 |
| 10 | R1/4 | 6903 10 13 | 15 | 16 | 61 | 35 | 26.5 | 0.034 |
| | R3/8 | 6903 10 17 | 17 | 16 | 61 | 35 | 26.5 | 0.045 |
| | R1/2 | 6903 10 21 | 21 | 16 | 61 | 35 | 26.5 | 0.066 |
| 12 | R3/8 | 6903 12 17 | 19 | 19 | 70 | 39 | 31 | 0.056 |
| | R1/2 | 6903 12 21 | 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

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

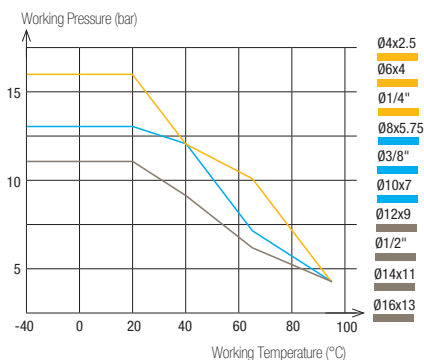
Regulations

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, 1000 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



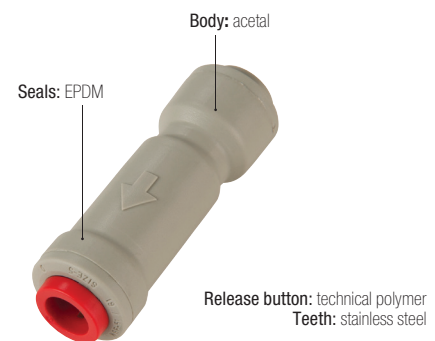
Water Softeners
Water Treatment
Water Purification
Drinks Dispensers
Hot & Cold Water Systems

Applications

Technical Characteristics

| | |
|----------------------------|--|
| Compatible Fluids | Water, beverages, liquid foodstuffs |
| Working Pressure | 1 to 10 bar |
| Working Temperature | 1°C to +65°C |
| Cracking Pressure | 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

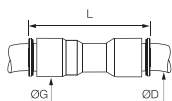
7992

Single Non-Return Valve

Inch



Acetal, EPDM



ØD



G L kg

| | | | | |
|------|-------------------------------|----|----|-------|
| 1/4 | 7992 56 00WP2 | 17 | 51 | 0.008 |
| 5/16 | 7992 08 00WP2 | 17 | 53 | 0.010 |
| 3/8 | 7992 60 00WP2 | 20 | 55 | 0.011 |
| 1/2 | 7992 62 00WP2 | 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



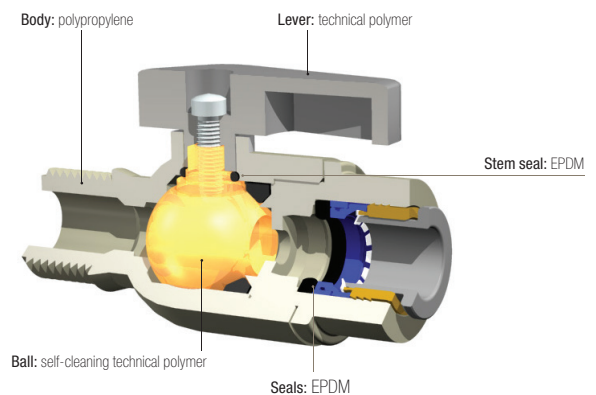
Beverage Dispensers
Inert Gases
Cooling
Food Process
Water Purification
Water Coolers

Applications

Technical Characteristics

| | | | |
|----------------------------|--------------------------|-----------|-----------|
| Compatible Fluids | Water, drinks, beverages | | |
| Working Pressure | 0 to 10 bar at 20°C | | |
| Working Temperature | -15°C to +100°C | | |
| Tightening Torques | 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 | ØD | H | H1 | L | L1 | kg |
| | | 1/4 4020 56 00WP2 | 25 | 13 | 65 | 31 | 0.025 |
| | | 3/8 4020 60 00WP2 | 36 | 13 | 68 | 30.5 | 0.034 |

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

| | | | | | | | |
|--|---|--|----------|-----------|----------|-----------|-----------|
| | Polypropylene, glass fibre-reinforced, EPDM | ØD C | H | H1 | L | L1 | kg |
| | | 1/4 NPT1/4 4021 56 14WP2 | 36 | 13 | 61 | 31 | 0.024 |
| | | 3/8 NPT3/8 4021 60 18WP2 | 36 | 13 | 64 | 33.5 | 0.028 |

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

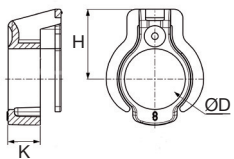
| | | | | | | | |
|--|---|--|----------|-----------|----------|-----------|-----------|
| | Polypropylene, glass fibre-reinforced, EPDM | ØD C | H | H1 | L | L1 | kg |
| | | 1/4 NPT1/4 4023 56 14WP2 | 36 | 13 | 58 | 31 | 0.027 |
| | | 3/8 NPT3/8 4023 60 18WP2 | 36 | 13 | 64 | 33.5 | 0.030 |

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

| | | | | | | | |
|--|---|--|----------|-----------|----------|-----------|-----------|
| | Polypropylene, glass fibre-reinforced, EPDM | ØD C | H | H1 | L | L1 | kg |
| | | 1/4 NPT1/4 4022 56 14WP2 | 52 | 29 | 44 | 31 | 0.026 |
| | | 3/8 NPT3/8 4022 60 18WP2 | 52 | 29 | 47 | 33.5 | 0.031 |

3130 Tamper-Proof Safety Clip

Technical polymer



| | | | | | | | | | |
|-----------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------|----------|-----------|
| ØD | | | | | | | H | K | kg |
| 1/4 | 3130 56 01 | 3130 56 02 | 3130 56 03 | 3130 56 04 | 3130 56 05 | 3130 56 10 | 8 | 3.2 | 0.001 |
| 3/8 | 3130 60 01 | 3130 60 02 | 3130 60 03 | 3130 60 04 | 3130 60 05 | 3130 60 10 | 10.8 | 4.2 | 0.001 |



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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
CO₂ 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
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