



Parker Legris Rectus Distribution Catalogue

Low Pressure Fluid Handling Solutions



ENGINEERING YOUR SUCCESS.

Welcome to the world of Parker Legris & Rectus

We are very proud to present our new catalogue. In this edition, you will find our range of low pressure connections: fittings, couplers, tubing, blowguns and valves. In addition to outstanding products, this catalogue provides all the information you need to assist and advise your customers.

Within the world of Parker products, the focus here is on two of our brands - Legris and Rectus - which are both guarantees of quality.

This catalogue is also available online in interactive digital format. Please visit our website via the QR code below.

Find this user guide in the digital version on all your screens by scanning this QR code or on

www.parkerlegris.com
www.parker.com/LPCE



Parker Low Pressure Connectors Europe

Provider of Fluid Handling Solutions for Industrial Automation & Processing

For over 60 years, we have been designing, manufacturing and customising safe and reliable quick connection solutions, for distribution across the globe.

THIS IS



THIS IS &



OUR VALUES

Inventor of push-to-connect technology and market leader of quick connect coupling solutions, Parker Legris Rectus is very proud of its heritage of **60 years of innovation** and stays true to its value of high quality products, supported by manufacturing excellence, in order to ensure that customers needs remain its priority.

- + EXPERTISE:**
passionate people and engaged leadership
- + EXCELLENCE:**
winning culture
- + CUSTOMER EXPERIENCE:**
valued customers



OUR DIFFERENTIATORS

- + A GLOBAL PRESENCE**
- + CUSTOMER ENGINEERING SUPPORT**
- + IN-HOUSE ENGINEERING AND MANUFACTURING**

OUR QUALITY MANAGEMENT

- + IATF 16949, ISO 9001 AND ISO 14001 CERTIFIED**

OUR BRANDS



The DNA of Legris & Rectus

Customer Support

Partners in your projects, we offer you support and guidance to surpass technological challenges in order to develop fully adapted customer solutions

Premium Customer Service

As a global player, we provide premium customer service to any of your locations across the globe

Engineering Expertise

We place more than 60 years of expertise in optimizing flow, sealing and gripping technology at your fingertips

Manufacturing Excellence

Our outstanding manufacturing process in injection, brass stamping and automatic assembly, ensures the most competitive products

Quality Management & Traceability

ISO certified, quality management is at the very heart of all our processes throughout the value chain



Test bench for flow rate measures



Engineering Simulation



Thermal enclosure for ageing test



Parker LPCE headquarters

Fields of Applications

Assembly Lines

EXPECTED PERFORMANCE:

- Frequent connection/disconnection
- Safe use
- Compactness
- High flow
- Lightweight

SUITABLE PARKER LEGRIS AND RECTUS RANGES:

- LF 3000® push-in fittings, flow regulators
- Couplers: KP series, 1600 KE, 1700 KE, C 9000
- PA recoil tubing, braided PU recoil hose
- Blowguns



MRO (Maintenance, Repair & Operations)

EXPECTED PERFORMANCE:

- Worldwide availability of products
- Product identification
- Reliability

SUITABLE PARKER LEGRIS AND RECTUS RANGES:

- All ranges of push-in fittings
- Function Fittings
- All series of safety couplers or pneumatic couplers
- Tubing & hoses
- Blowguns



Industrial Automation

EXPECTED PERFORMANCE:

- Vacuum performance
- Mechanical resistance
- Welding spark resistance

SUITABLE PARKER LEGRIS AND RECTUS RANGES:

- LF 3000®, LF 3600 push-in fittings
- Function fittings
- Metal couplers series 21, 25, 26
- PA, PU tubing
- Axial valves, ball valves



Fields of Applications

Beverage

EXPECTED PERFORMANCE:

- High temperature resistance
- FDA, NSF, KTW... compliance
- Compactness
- Easy-to-clean
- Excellent chemical and mechanical resistance

SUITABLE PARKER LEGRIS AND RECTUS RANGES:

- LIQUIfit®, LF 3600 push-in fittings
- Couplers: double shut-off, flat face
- Advanced PE tubing
- LIQUIfit® ball valves



Cooling Process

EXPECTED PERFORMANCE:

- Optimization of circuits
- Ensure the durability of equipment
- Improve productivity
- Simplify the maintenance of the machines
- Maximum flow

SUITABLE PARKER LEGRIS AND RECTUS RANGES:

- LIQUIfit® with metal adaptors, LF 3800 push-in fittings, Carstick® cartridges
- Stainless steel function fittings
- Couplers: series 200KL, 200KLEK, series 21, 70, 48
- PE, FEP, anti-spark PU tubing
- Manual ball valves, piloted valves, accessories



Life Sciences

EXPECTED PERFORMANCE:

- Compatible with oxygen handling
- No fluid contamination
- Safe quick connections
- Compliant with health regulations

SUITABLE PARKER LEGRIS AND RECTUS RANGES:

- LF 6800, LF 3800, LIQUIfit® push-in fittings
- Thermoplastic couplers: series 21, 48,
- PFA, PU clean, FEP, PE tubing
- Ball valves compatible with oxygen



Fields of Applications

Safety

EXPECTED PERFORMANCE:

- Safety of operators & equipment
- Quality & long lasting products
- Compliance with 2006/42/EC directive and ISO 13849-1

SUITABLE PARKER LEGRIS AND RECTUS RANGES:

- Blocking fittings & piloted non-return valves
- Soft start fittings
- Safety couplers
- Blowguns
- Lockable and vented ball valves



Food Process

EXPECTED PERFORMANCE:

- FDA compliance
- Easy-to-clean
- Chemical compatibility
- High temperature resistance

SUITABLE PARKER LEGRIS AND RECTUS RANGES:

- LIQUIfit®, LF 3600, LF 3800 push-in fittings
- Stainless steel function fittings
- Stainless steel couplers, single or double shut-off Series 20KA, 21KA, 25KA
- FEP, Advanced PE and PFA tubing



Railway

EXPECTED PERFORMANCE:

- Vibration resistance
- Compliance with standards: DIN EN61373, EC 61373
- Wide range of temperatures from -60°C to +170°C

SUITABLE PARKER LEGRIS AND RECTUS RANGES:

- LF 3000®, LF 3600 push-in fittings
- Flow control regulators, non-return valves, pressure regulators, soft start fitting, silencers
- Brass compression and nickel-plated brass spigot fittings
- Ball valves, universal series
- Fireproof PA, PE tubing
- LIQUIfit® and stainless steel ball valves



Regulations to Suit Market Quality Requirements

For all industrial applications



SUVA pro

UL94

ISO 14743

except chapter 9.8

DVGW

(O-rings in gas treatment)



IP68

For food process



NSF/ANSI 51
NSF/ANSI 61*

For beverages



NSF/ANSI 51
NSF/ANSI 61*



KTW
W270



For cleanroom
and medical
applications



USP
Class VI (A)

ASTM G93

ISO 15001

For railways



EN 45545-2

DIN 5510-2

NF F16-101

* For the latest and most comprehensive information, please visit www.nsf.org.

The information on Standards and Regulations is not contractual, only the certificates given on request or on Parker.com/LPCE are valid.

Quality Management & Traceability



ISO certified, quality management is at the heart of all our processes throughout the value chain



- We guarantee the quality and traceability of every connector we sell
- Our products are 100% leak-tested
- Camera inspection checks the gripping ring conformity of our Legris products
- Certificates available online

Our Priority: Operator & Equipment Safety

Objective: 0 accidents

Components within the Safety Control System



Non-Return Valves



Blocking Fittings



Pilot Non-Return Valves



Adjustable Non-Return Valves

Components outside the Safety Control System



Quick-Acting Couplers



Lockable Ball Valves



Snap Fittings



Silencers



Blowguns

Safe Machine



Tamper-Proof Safety Clip



Quick Exhaust Valves



Pneumatic Sensor Fittings



Pressure Reducers



Soft Start Fittings

All the safety data is available on the **safety datasheet** at Parkerlegris.com and parker.com/LPCE



Parker team members are applying their technical knowledge and creativity

- to simplify complex manufacturing processes,
- reduce production waste
- design products and systems that precisely balance performance and efficiency.




This strategy fulfills a shared responsibility to solve challenges for customers while minimizing environmental impact.




Couplers or Fittings ? We Offer all the Solutions




Frequency of connection /Disconnection


 Frequent connection/disconnection : up to 10.000 times

 A few disconnections only: up to 5 times (before shortening the tube)




Indicator of total connection


 Audible "click" indicates connection

 "Tube end stop" when fully connected




Tubing or hose connection


 Used with hose barb connection

 Used with tubing connection




Pull resistance


 Ball locking system offers high resistance to pull force

 Collet technology provides pull force resistance on grooved rigid tubing




Disconnection under pressure


 Authorizes self venting or double shut-off options

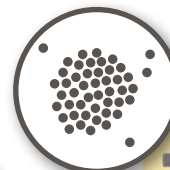
 Not recommended for disconnecting under pressure



No drop-leaking

 Flat face technology, a solution for zero drop requirements

 Prefer a coupler solution, double shut off & flat face




Space occupation


 See series 02: I.D. 1.5 mm

 See LF 3000® O.D. 3 mm




Lightweight


 Technical composite couplers offer a light solution

 A solution for weight saving




Robustness


 Refer to brass or stainless steel series

 Refer to metal or reinforced polymer fitting ranges




Pressure


 250 bar (series 70 stainless steel)

 550 bar (compression fittings)




Flow

 Up to 17.000 NI/min for straight through couplers

 Full flow technology



Temperature

 Up to +240°C, FFKM seal



 Up to +150°C, FKM seal

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#01

FITTINGS

Push-in Fittings

Function Fittings

Compression Fittings

Adaptors and Manifolds



How to Choose Your Fittings

Key points to consider before choosing your industrial connector

What function do you need?

- Protect your system
- Detect end of cylinder rod stroke
- Control and improve the performance of your system
- Working on your system

What type of fluid is being conveyed ?

- Compatibility of seal and connector materials with the fluid

What are the conditions of use ?

- Vacuum
- Pressure
- Fluid temperature
- With or without seal
- Flow requirements

Which kind of thread do you need ?

- Male thread/Female thread
- BSPP, BSPT, NPT, Metric

Which connector do you need ?

- Push-In Fittings
- Compression Fittings
- Spigot Fittings
- Tailpiece Adaptors

Do you have compliance requirements ?

- Norms & regulations
- ISO 9001/ISO TS 16949; RoHS, FDA, NSF
- Silicone-free, phthalates free, etc...
- Compatible materials with the application
- Chemical compatibility

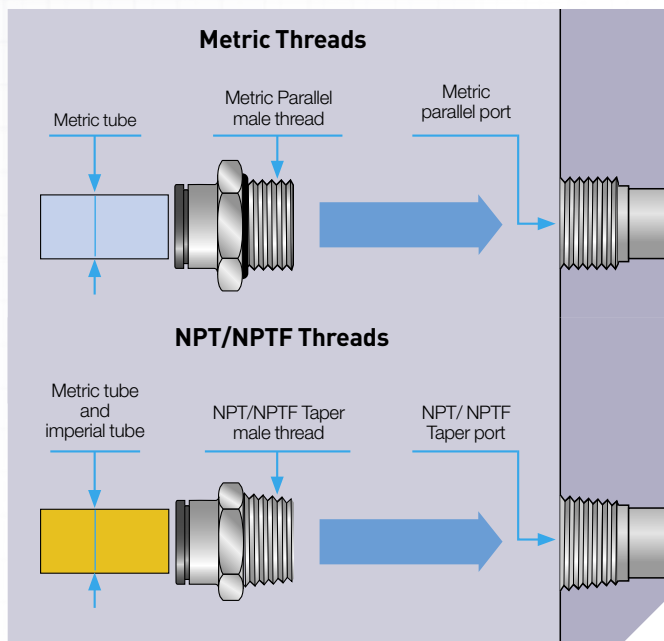
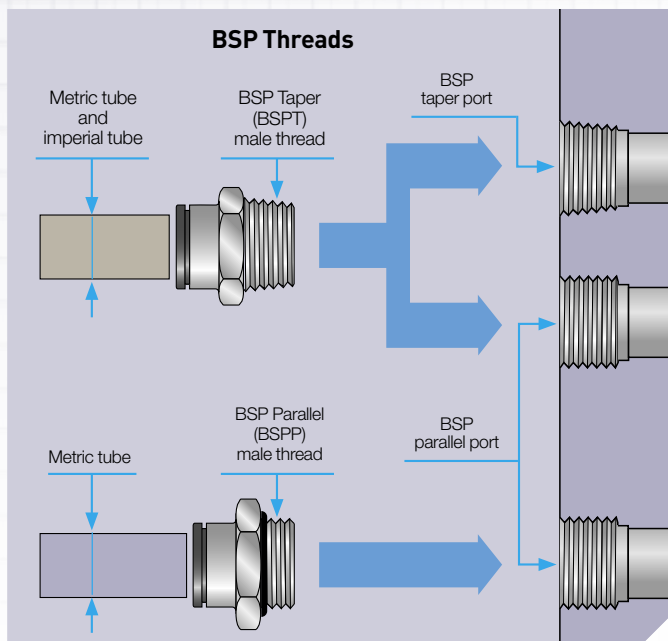
What is your application environment ?

- Ambient air quality (pollution)
- Risk of shocks
- Confined areas/access difficulties
- External uses (UV, saline environments)
- Use of products on mobile equipment

Have you thought about additional product requirements ?

- Tubing
- Valves
- Couplings
- Blowguns

General Information on Fittings



Push-In Fittings

Tube retention with gripping ring



- No damage to the tube
- Ideal for polymer tubes
- Particularly compact

Tube retention with collet



- Robust solution for harsh environments
- Resistant to high pressure, excellent lifespan
- Ideal for grooved metal tubes

Tube retention with reversed collet



- Protected disconnection
- Can withstand very high pressures
- Double sealing

Advantages

Allows flexible and modular systems to be assembled quickly.
Provides a compact and lightweight connection solution.
Facilitates installation due to a swivelling body.
Reliability of the connection ensured through the one-piece design.

Suitable for use with a wide range of tubes.
Prolongs the lifespan of your systems.

Compression Fittings



Connection and sealing achieved by crimping a metal olive onto a tube.
The seals are metal to metal.

Advantages

Can withstand very high pressures and temperatures.
Allows all types of tube to be connected, both polymer and metal.
Increases the lifetime of the fitting.

Spigot Compression Fittings



Connection and sealing by the distortion and gripping of a plastic tube.

Advantages

Intended for the connection of very flexible or non-calibrated tubes.

Part Number Identification

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)

Fittings

3101

Item type

08


Nominal diameter

10

Thread code

3101 Stud Fitting, Male BSPP and Metric Thread

Nickel-plated brass, NBR



You will find the part type at the top of each table

Tube O.D.

4 mm	04
6 mm	06
8 mm	08
10 mm	10
12 mm	12
16 mm	16

Inch

1/4"	56
3/8"	60
1/2"	62

Nominal diameter code: equates to the outside diameter of the tube

Thread code: see tables below





When the product does not have a thread, the code used is: 00.

Thread Identification

BSP Thread	Code	NPT/NPTF Threads	Code
1/8"	10	1/16"	08
1/4"	13	1/8"	11
3/8"	17	1/4"	14
1/2"	21	3/8"	18
3/4"	27	1/2"	22
1"	34	3/4"	28
1 1/4"	42	1"	35
1 1/2"	49	1 1/4"	43
2"	48	1 1/2"	50
		2"	44

Metric Thread	Code	Metric Thread	Code	Metric Thread	Code
M3x0.5	09	M12x1.25	66	M22x1.5	82
M5x0.8	19	M12x1.5	67	M24x1.5	83
M6x1	52	M13x1.25	68	M27x1.5	85
M7x1	55	M14x1.25	70	M30x2	88
M8x1	56	M14x1.5	71	M33x1.5	90
M8x1.25	57	M16x1.25	74	M39x1.5	36
M10x1	60	M16x1.5	75	M42x1.5	37
M10x1.5	62	M18x1.5	78	M42x2	96
M12x1	65	M20x1.5	80	M48x2	98

Product Specifications Overview

	Materials	Fluids	Maximum Pressure (bar)	Temperature		Performance in Aggressive Environments		Page
				Min.	Max.	Mechanical	Chemical	
Push-In Fittings								
<div>LF 3000®</div> <div></div>	Technical polymer/ nickel-plated brass: NBR	Compressed air	20	-20°C	+80°C	Good	Moderate	18
<div>LF 3200</div> <div></div>	Nickel-plated brass/ NBR	Compressed air	20	-15°C	+80°C	Excellent	Moderate	41
<div>LIQUIfit®</div> <div></div>	Bio-sourced polymer/ EPDM	Liquids	16	-10°C	+95°C	Moderate	Excellent	43
<div>LIQUIfit® with Metal Adaptor</div> <div></div>	Bio-sourced polymer/ nickel-plated brass FDA/stainless steel 316L/EPDM	Liquids	16	-10°C	+95°C version all metal: +130°C	Moderate	Excellent	55
<div>LF 3600</div> <div></div>	Nickel-plated brass FDA/FKM	All brass-compatible fluids	30	-25°C	+150°C	Excellent	Good	60
<div>Low lead brass LF 3600</div> <div></div>	Low lead brass FDA/FKM	All brass-compatible fluids, water	30	-25°C	+150°C	Excellent	Good	68
<div>LF 3800</div> <div></div>	Stainless steel 316L/ FKM	All fluids	30	-25°C	+150°C	Excellent	Excellent	71
<div>LF 6800</div> <div></div>	Nickel-plated brass/ EPDM	O ₂ , analytical gases	15	-10°C	+95°C	Moderate	Excellent	77
<div>LF 6100</div> <div></div>	Brass/NBR	All brass-compatible fluids	60	-40°C	+120°C	Excellent	Excellent	80

LF 3000® Push-In Fittings / Stud Fittings



A range of technical polymer fittings to cover most needs of low pressure pneumatic applications.

Ø metric: 3 to 16 mm
Ø inch: 1/8" to 1/2"

Technical Characteristics

- **Compatible Fluids:** Compressed air
Other fluids: please consult us
- **Working Pressure:** Vacuum to 20 bar
- **Working Temperature:** -20°C to +80°C

Tightening Torque (daN.m)	Threads								
	M3 x0.5	M5 x0.8	M7 x1	M10 x1	M12 x1.5	G1/8	G1/4	G3/8	G1/2
	0.06	0.16	0.8	0.8	1.1	0.8	1.2	3	3.5

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

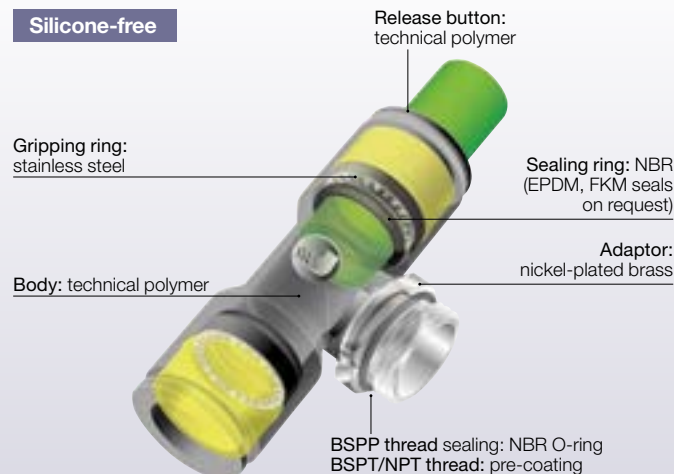
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Robust, lightweight, compact to build your pneumatic circuits
- Full flow connections to optimize flow rates
- Use in vacuum as well as in compressed air
- Customised products upon request. Please, contact us.

Component Materials

Silicone-free

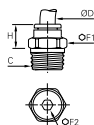


Regulations

- ISO 14743
- PED
- RoHS
- REACH

3175 Stud Fitting, Male BSPT Thread

Nickel-plated brass, NBR

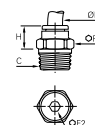


ØD	C		F1	F2	H	Kg
4	R1/8	3175 04 10	10	3	9.5	0.005
	R1/4	3175 04 13	14	3	6.5	0.011
	R3/8	3175 04 17	17	3	8	0.024
6	R1/8	3175 06 10	11	4	11.5	0.005
	R1/4	3175 06 13	14	4	8.5	0.011
	R3/8	3175 06 17	17	4	8.5	0.021
8	R1/2	3175 06 21	21	4	9	0.043
	R1/8	3175 08 10	13	5	20	0.011
	R1/4	3175 08 13	14	6	17	0.014
10	R3/8	3175 08 17	17	6	13	0.021
	R1/2	3175 08 21	21	6	12	0.039
	R1/8	3175 10 10	16	5	22.5	0.017
12	R1/4	3175 10 13	16	7	20	0.017
	R3/8	3175 10 17	17	8	16.5	0.019
	R1/2	3175 10 21	21	8	14	0.036
14	R1/4	3175 12 13	19	7	26.5	0.029
	R3/8	3175 12 17	19	9	24	0.028
	R1/2	3175 12 21	21	10	19.5	0.036
16	R3/8	3175 14 17	22	9	28.5	0.044
	R1/2	3175 14 21	24	10	23.5	0.046
	R3/8	3175 16 17	27	9	32.5	0.068
	R1/2	3175 16 21	27	12	32.5	0.079

Pre-coated thread

3175 Stud Fitting, Male NPT Thread

Nickel-plated brass, NBR



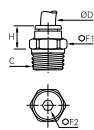
ØD	C		F1	F2	H	Kg
6	NPT1/8	3175 06 11	11	4	11.5	0.006
	NPT1/4	3175 06 14	14	4	8.5	0.012
	NPT1/4	3175 10 14	16	7	20	0.018
10	NPT3/8	3175 10 18	18	8	16.5	0.023
	NPT1/2	3175 10 22	22	8	14	0.038
12	NPT3/8	3175 12 18	19	9	24	0.030
	NPT1/2	3175 12 22	22	10	19.5	0.037

Pre-coated thread
5/32"(4 mm) and 5/16"(8 mm) are also available.

3175 Stud Fitting, Male NPT Thread

Inch

Nickel-plated brass, NBR



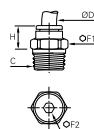
ØD	C		F1	F2	H	Kg
1/8	NPT1/8	3175 53 11	11	2	7.2	0.006
	NPT1/4	3175 53 14	14	2	8	0.015
	NPT1/8	3175 56 11	11	4	11.9	0.007
1/4	NPT1/4	3175 56 14	14	4	9.4	0.013
	NPT3/8	3175 56 18	18	5	7.6	0.024
3/8	NPT1/8	3175 60 11	16	4	22.7	0.019
	NPT1/4	3175 60 14	16	7	20.5	0.019
	NPT3/8	3175 60 18	18	7	17.5	0.026
1/2	NPT3/8	3175 62 18	22	9.5	25.9	0.048
	NPT1/2	3175 62 22	24	9.5	22.1	0.064

Pre-coated thread

3175 Stud Fitting, Male BSPT Thread

Inch

Nickel-plated brass, NBR

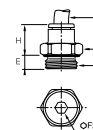


ØD	C		F1	F2	H	Kg
1/8	R1/8	3175 53 10	11	3	8.5	0.005
3/16	R1/8	3175 55 10	11.1	3.2	15.5	0.009
	R1/4	3175 55 13	14.3	4	15	0.020
1/4	R1/8	3175 56 10	11	4	12	0.006
	R1/4	3175 56 13	14	4	9.5	0.021
	R1/4	3175 60 13	16	7	20.5	0.018
3/8	R3/8	3175 60 17	17	7	16.5	0.019
	R1/2	3175 60 21	21	7	14	0.037
	R1/4	3175 62 13	22	6	26.9	0.044
1/2	R3/8	3175 62 17	22	7	25.9	0.048
	R1/2	3175 62 21	24	7	20.5	0.049

Pre-coated thread

3101 Stud Fitting, Male BSPP and Metric Thread

Nickel-plated brass, NBR

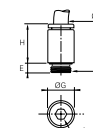


ØD	C		E	F1	F2	H	Kg
3	M3x0.5	3101 03 09*	2.5	8		12.5	0.003
	M5x0.8	3101 03 19	3.5	8	2.5	12.5	0.004
	M3x0.5	3101 04 09*	2.5	8		14.5	0.003
4	M5x0.8	3101 04 19	3	9	2.5	14	0.004
	M7x1	3101 04 55	5	10	2.5	14	0.004
	G1/8	3101 04 10	5	13	3	11.5	0.007
	G1/4	3101 04 13	5.5	16	3	10.5	0.011
	M5x0.8	3101 06 19	3.5	11	2.5	16	0.005
	M7x1	3101 06 55	5	10	3	16	0.006
6	M10x1	3101 06 60	5	13	4	13	0.007
	M12x1.5	3101 06 67	5.5	15	4	13	0.009
	G1/8	3101 06 10	5	13	4	13	0.007
	G1/4	3101 06 13	5.5	16	4	12.5	0.011
	G3/8	3101 06 17	5.5	20	4	13	0.020
	G1/2	3101 06 21	7	24	4	20	0.039
	M10x1	3101 08 60	5	13	5	21	0.011
	M12x1.5	3101 08 67	5.5	15	5	21	0.015
	G1/8	3101 08 10	4.5	13	5	20.5	0.011
8	G1/4	3101 08 13	5.5	16	6	19.5	0.016
	G3/8	3101 08 17	5.5	20	6	18	0.022
	G1/2	3101 08 21	7	24	6	16.5	0.038
10	G1/4	3101 10 13	5.5	16	7	23	0.018
	G3/8	3101 10 17	5.5	20	8	19.5	0.021
	G1/2	3101 10 21	7	24	8	18.5	0.033
12	G1/4	3101 12 13	5.5	19	7	27.5	0.027
	G3/8	3101 12 17	5.5	20	9	27	0.028
	G1/2	3101 12 21	7	24	11	22.5	0.035
14	G3/8	3101 14 17	5.5	22	9	29.5	0.041
	G1/2	3101 14 21	7	24	11	28	0.046
	G3/8	3101 16 17	7.5	27	9	32.5	0.061
16	G1/2	3101 16 21	9	27	12	32.5	0.068

*Bi-material O ring seal

3181 Stud Fitting Round Body, Male Metric Thread

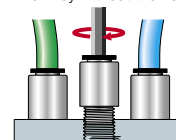
Nickel-plated brass, NBR



ØD	C		E	F	G	H	Kg
4	M5x0.8	3181 04 19	3.5	2.5	8.5	14.5	0.003
	M7x1	3181 04 55	5	3	10	14	0.004
6	M5x0.8	3181 06 19	3.5	2.5	11	16.5	0.005
	M7x1	3181 06 55	5	3	10	16	0.005

The internal hexagon and circular external shape ensure that model 3181 provides highly compact assembly.

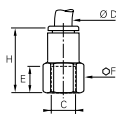
They can be easily installed with an Allen key without the need of a spanner.



LF 3000® Push-In Fittings / Stud Fittings

3114 Stud Fitting, Female BSPP and Metric Thread

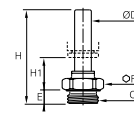
Nickel-plated brass, NBR



ØD	C		E	F	H	Kg
4	M5x0.8	3114 04 19	6.5	8	19.5	0.005
	G1/8	3114 04 10	9.5	13	22.5	0.010
	G1/4	3114 04 13	13.5	16	26.5	0.015
6	G1/8	3114 06 10	9.5	13	24.5	0.011
	G1/4	3114 06 13	13.5	16	28.5	0.016
	G1/8	3114 08 10	9.5	13	29	0.015
8	G1/4	3114 08 13	13.5	16	33	0.021
	G3/8	3114 08 17	14	19	34	0.025
	G1/4	3114 10 13	13.5	16	36	0.028
10	G3/8	3114 10 17	14	19	36	0.027
	G1/2	3114 10 21	19.5	24	41.5	0.047
	G3/8	3114 12 17	14	19	40	0.033
12	G1/2	3114 12 21	19.5	24	45.5	0.052
	G3/8	3114 14 17	14	22	42.5	0.057
16	G1/2	3114 16 21	15	27	49	0.096

3131 Stud Standpipe, Male BSPP and Metric Thread

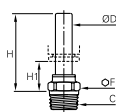
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	H	H1	Kg
4	M5x0.8	3131 04 19	3.5	8	31	16	0.002
	G1/8	3131 04 10	5	13	30	13.5	0.005
	G1/4	3131 04 13	5.5	16	31	13.5	0.010
6	G1/8	3131 06 10	5	13	32	13.5	0.005
	G1/4	3131 06 13	5.5	16	33	13.5	0.010
	G1/8	3131 08 10	5	13	35.5	12.5	0.008
8	G1/4	3131 08 13	5.5	16	34.5	10.5	0.010
	G3/8	3131 08 17	5.5	20	34.5	10.5	0.015
	G1/4	3131 10 13	5.5	16	43.5	17.5	0.012
10	G3/8	3131 10 17	5.5	20	41.5	15.5	0.015
	G1/2	3131 10 21	7	24	41.5	15.5	0.024
	G3/8	3131 12 17	5.5	20	42	12	0.015
12	G1/2	3131 12 21	7	24	43.5	12	0.024
	G3/8	3131 14 17	5.5	20	46.5	14	0.016
14	G1/2	3131 14 21	7	24	48	13.5	0.025

3121 Stud Standpipe, Male BSPT Thread

Technical polymer, Nickel-plated brass

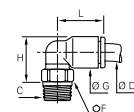


ØD	C		F	H	H1	Kg
4	R1/8	3121 04 10	10	26	14	0.005
	R1/4	3121 04 13	14	26.5	14.5	0.014
6	R1/8	3121 06 10	10	28	14	0.005
	R1/4	3121 06 13	14	28.5	14.5	0.014
8	R1/8	3121 08 10	10	29.5	11	0.005
	R1/4	3121 08 13	14	28.5	10	0.012
10	R1/4	3121 10 13	15	36	15.5	0.012
	R3/8	3121 10 17	17	36	15.5	0.017
	R1/2	3121 10 21	21	36	15.5	0.032
12	R3/8	3121 12 17	17	36.5	12	0.018
	R1/2	3121 12 21	21	36.5	12	0.030

Pre-coated thread

3109 Stud Elbow, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR



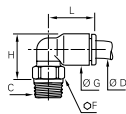
ØD	C		F	G	H	L	Kg
4	R1/8	3109 04 10	10	8.5	13.5	14	0.006
	R1/4	3109 04 13	14	8.5	14	14	0.015
	R3/8	3109 04 17	17	8.5	13.5	14	0.019
6	R1/8	3109 06 10	10	10.5	15.5	16	0.006
	R1/4	3109 06 13	14	10.5	16	16	0.015
	R3/8	3109 06 17	17	10.5	16	16	0.020
8	R1/2	3109 06 21	21	10.5	16.5	16	0.035
	R1/8	3109 08 10	10	13.5	19	23	0.007
	R1/4	3109 08 13	14	13.5	18	23	0.014
10	R3/8	3109 08 17	17	13.5	18	23	0.018
	R1/2	3109 08 21	21	13.5	19.5	23	0.032
	R1/8	3109 10 10	15	16	23	26.5	0.012
12	R1/4	3109 10 13	15	16	22	26.5	0.014
	R3/8	3109 10 17	17	16	22	26.5	0.020
	R1/2	3109 10 21	21	16	22	26.5	0.034
14	R1/4	3109 12 13	15	19	25	31	0.016
	R3/8	3109 12 17	17	19	25	31	0.022
	R1/2	3109 12 21	21	19	25	31	0.037
16	R3/8	3109 14 17	20	22	30.5	35.5	0.031
	R1/2	3109 14 21	24	22	28.5	35.5	0.042
	R3/8	3109 16 17	27	27	53	39	0.106
	R1/2	3109 16 21	27	27	53	39	0.104

Pre-coated thread

The body swivels for positioning purposes.

3109 Stud Elbow, Male NPT Thread

Technical polymer, Nickel-plated brass, NBR



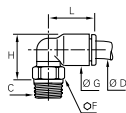
ØD	C		F	G	H	L	Kg
4	NPT1/8	3109 04 11	11	8.4	13.5	14	0.007
	NPT1/4	3109 04 14	14	8.4	14	14	0.016
6	NPT1/8	3109 06 11	11	10.5	15.5	16	0.007
	NPT1/4	3109 06 14	14	10.5	16	16	0.016
8	NPT1/8	3109 08 11	11	13.5	19	23.1	0.009
	NPT1/4	3109 08 14	14	13.5	18	23.1	0.015
	NPT1/4	3109 10 14	15	16	23	26.5	0.017
10	NPT3/8	3109 10 18	18	16	22	26.5	0.023
	NPT1/2	3109 10 22	22	16	23	26.5	0.046
12	NPT1/2	3109 12 22	22	19	26	31	0.048

Pre-coated thread
The body swivels for positioning purposes.

3109 Stud Elbow, Male NPT Thread

Inch

Technical polymer, Nickel-plated brass, NBR



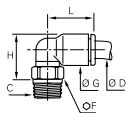
ØD	C		F	G	H	L	Kg
1/8	NPT1/8	3109 53 11	11	8.6	13.5	14.5	0.007
	NPT1/4	3109 53 14	14	8.6	14	14.5	0.015
1/4	NPT1/8	3109 56 11	11	11	17	18	0.008
	NPT1/4	3109 56 14	14	11	16	18	0.014
	NPT3/8	3109 56 18	18	11	16.5	18	0.021
3/8	NPT1/8	3109 60 11	15	16	23.1	27.4	0.014
	NPT1/4	3109 60 14	15	16	23.1	27.4	0.017
	NPT3/8	3109 60 18	18	16	22.1	27.4	0.024
1/2	NPT3/8	3109 62 18	20	22.1	31	35.1	0.033
	NPT1/2	3109 62 22	24	22.1	28.4	35.1	0.045

Pre-coated thread
The body swivels for positioning purposes.
5/32"(4 mm) and 5/16"(8 mm) are also available.

3109 Stud Elbow, Male BSPT Thread

Inch

Technical polymer, Nickel-plated brass, NBR

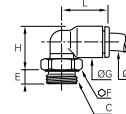


ØD	C		F	G	H	L	Kg
1/8	R1/8	3109 53 10	10	8.6	13.5	14.5	0.011
1/4	R1/8	3109 56 10	10	11	17	18	0.006
	R1/4	3109 56 13	14	11	17	18	0.013
3/8	R1/4	3109 60 13	15	16	22.1	26.4	0.016
	R3/8	3109 60 17	17	16	22.1	26.4	0.054
1/2	R1/4	3109 62 13	20	22.1	31	35.1	0.064
	R3/8	3109 62 17	20	22.1	31	35.1	0.067
	R1/2	3109 62 21	24	22.1	28.4	35.1	0.046

Pre-coated thread
The body swivels for positioning purposes.
5/32"(4 mm) and 5/16"(8 mm) are also available.

3199 Stud Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR



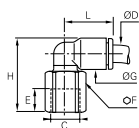
ØD	C		E	F	G	H	L	Kg
3	M3x0.5	3199 03 09*	2.5	8	8.5	15	13	0.003
	M5x0.8	3199 03 19	3	8	8.5	13.5	13	0.003
4	M3x0.5	3199 04 09*	2.5	8	8.5	15	15	0.003
	M5x0.8	3199 04 19	3	8	8.5	13.5	15	0.002
	M7x1	3199 04 55	4.5	10	8.5	15	14	0.005
6	G1/8	3199 04 10	4.5	13	8.5	13	15	0.006
	G1/4	3199 04 13	5.5	16	8.5	13	15	0.011
	M5x0.8	3199 06 19	3	8	10.5	15.5	17	0.003
	M7x1	3199 06 55	4.5	10	10.5	17.5	17	0.006
	M10x1	3199 06 60	4.5	13	10.5	15	14	0.006
	M12x1.5	3199 06 67	5.5	15	10.5	17	17	0.009
	G1/8	3199 06 10	4.5	13	10.5	15	17	0.006
	G1/4	3199 06 13	5.5	16	10.5	15	17	0.011
	G3/8	3199 06 17	5.5	20	10.5	16	17	0.022
	G1/2	3199 06 21	7	24	10.5	16	17	0.027
8	M10x1	3199 08 60	4.5	13	13.5	20.5	23	0.009
	M12x1.5	3199 08 67	5.5	15	13.5	18.5	23	0.009
	G1/8	3199 08 10	4.5	13	13.5	20.5	23	0.009
	G1/4	3199 08 13	5.5	16	13.5	18.5	23	0.012
	G3/8	3199 08 17	5.5	20	13.5	18.5	23	0.017
	G1/2	3199 08 21	7	24	13.5	19	23	0.027
	G1/4	3199 10 13	5.5	16	16	23.5	26.5	0.014
	G3/8	3199 10 17	5.5	20	16	22	26.5	0.017
	G1/2	3199 10 21	7	24	16	22	26.5	0.026
	G1/4	3199 12 13	5.5	16	19	26.5	31	0.016
12	G3/8	3199 12 17	5.5	20	19	25	31	0.019
	G1/2	3199 12 21	7	24	19	25	31	0.029
14	G3/8	3199 14 17	5.5	20	22	32.5	35.5	0.029
	G1/2	3199 14 21	7	24	22	27	35.5	0.028
16	G3/8	3199 16 17	7.5	27	27	54.5	39	0.101
	G1/2	3199 16 21	9	27	27	54.5	39	0.097

The body swivels for positioning purposes.
*Bi-material seal

LF 3000® Push-In Fittings / Stud Fittings

3192 Stud Elbow, Female BSPP Thread

Technical polymer, Nickel-plated brass, NBR

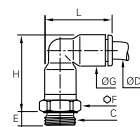


ØD	C		E	F	G	H	L	Kg
4	G1/8	3192 04 10	8.5	13	8.5	23	14	0.010
	G1/4	3192 04 13	11.5	16	8.5	27	14	0.016
6	G1/8	3192 06 10	8.5	13	10.5	25	16	0.010
	G1/4	3192 06 13	11.5	16	10.5	29	16	0.017
8	G1/8	3192 08 10	8.5	13	13.5	28	23	0.012
	G1/4	3192 08 13	11.5	16	13.5	32	23	0.020
10	G3/8	3192 10 17	12	19	16	35	26.5	0.025
	G1/2	3192 10 21	16	24	16	41	26.5	0.048
12	G1/4	3192 12 13	11	16	19	38	30.5	0.022
	G3/8	3192 12 17	12	19	19	38.5	30.5	0.027
	G1/2	3192 12 21	16	24	19	43.5	30.5	0.050

The body swivels for positioning purposes.

3169 Extended Stud Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

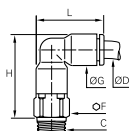


ØD	C		E	F	G	H	L	Kg
4	M5x0.8	3169 04 19	3.5	8	8.5	23	19	0.006
	G1/8	3169 04 10	5	13	8.5	22.5	19	0.008
6	G1/4	3169 04 13	5.5	16	8.5	22.5	19	0.014
	M5x0.8	3169 06 19	3.5	10	10.5	27.5	23	0.008
8	M7x1	3169 06 55	4.5	10	10.5	26	23	0.012
	G1/8	3169 06 10	5	13	10.5	27	23	0.011
10	G1/4	3169 06 13	5.5	16	10.5	27	23	0.016
	G1/8	3169 08 10	5	13	13.5	36	29.5	0.018
12	G1/4	3169 08 13	5.5	16	13.5	33	29.5	0.021
	G3/8	3169 08 17	5.5	20	13.5	33	29.5	0.028
14	G1/4	3169 10 13	5.5	16	16	40.5	34.5	0.028
	G3/8	3169 10 17	5.5	20	16	40.5	34.5	0.036
16	G1/2	3169 10 21	7	24	16	40.5	34.5	0.049
	G1/4	3169 12 13	5.5	19	19	44.5	40.5	0.044
18	G3/8	3169 12 17	5.5	20	19	42	40.5	0.038
	G1/2	3169 12 21	7	24	19	42	40.5	0.043
20	G3/8	3169 14 17	5.5	22	22	51	46.5	0.059
	G1/2	3169 14 21	7	24	22	48.5	46.5	0.063
22	G3/8	3169 16 17	7.5	27	27	82.5	52	0.220
	G1/2	3169 16 21	9	27	27	82.5	52	0.206

The body swivels for positioning purposes.

3129 Extended Stud Elbow, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR



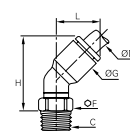
ØD	C		F	G	H	L	Kg
4	R1/8	3129 04 10	10	8.5	23	19	0.008
	R1/4	3129 04 13	14	8.5	23.5	19	0.018
6	R1/8	3129 06 10	10	10.5	27	22.5	0.010
	R1/4	3129 06 13	14	10.5	27.5	22.5	0.020
8	R1/8	3129 08 10	13	13.5	34.5	29.5	0.018
	R1/4	3129 08 13	14	13.5	32.5	29.5	0.022
10	R3/8	3129 08 17	17	13.5	33	29.5	0.032
	R1/4	3129 10 13	15	16	39.5	34.5	0.031
12	R3/8	3129 10 17	17	16	39.5	34.5	0.042
	R1/2	3129 10 21	21	16	39.5	34.5	0.058
14	R1/4	3129 12 13	19	19	45.5	40.5	0.051
	R3/8	3129 12 17	19	19	45.5	40.5	0.047
16	R1/2	3129 12 21	21	19	45.5	40.5	0.053
	R3/8	3129 14 17	21	22	51.5	46.5	0.065
	R1/2	3129 14 21	21	22	51.5	46.5	0.071

Pre-coated thread

The body swivels for positioning purposes.

3113 45° Elbow, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR



ØD	C		F	G	H	L	Kg
4	R1/8	3113 04 10	10	9	21	13	0.006
	R1/8	3113 06 10	10	11	24.5	14.5	0.006
6	R1/4	3113 06 13	14	11	25	14.5	0.015
	R1/8	3113 08 10	10	13.5	30	19.5	0.007
8	R1/4	3113 08 13	14	13.5	28.5	19.5	0.014
	R3/8	3113 08 17	17	13.5	28.5	19.5	0.018
10	R1/4	3113 10 13	15	16	33.5	23	0.014
	R3/8	3113 10 17	17	16	33.5	23	0.020
12	R1/2	3113 10 21	21	16	34	23	0.032
	R1/4	3113 12 13	15	19	39	26	0.016
14	R3/8	3113 12 17	17	19	39	26	0.022
	R1/2	3113 12 21	21	19	39	26	0.034

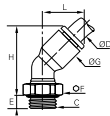
Pre-coated thread

The body swivels for positioning purposes.

This model prevents distortion of the tube.

3133 45° Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

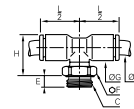


ØD	C		E	F	G	H	L	Kg
4	M5x0.8	3133 04 19	3.5	8	9	23	13	0.003
	G1/8	3133 04 10	4.5	13	9	20.5	13	0.006
6	M5x0.8	3133 06 19	3.5	8	11	28	14.5	0.003
	G1/8	3133 06 10	4.5	13	11	24	14.5	0.006
8	G1/4	3133 06 13	5.5	16	11	24	14.5	0.011
	G1/8	3133 08 10	4.5	13	13.5	31	19.5	0.009
10	G1/4	3133 08 13	5.5	16	13.5	29	19.5	0.012
	G3/8	3133 08 17	5.5	20	13.5	29	19.5	0.017
12	G1/4	3133 10 13	5.5	16	16	35	23	0.014
	G3/8	3133 10 17	5.5	20	16	33.5	23	0.017
16	G1/2	3133 10 21	7	24	16	33.5	23	0.026
	G1/4	3133 12 13	5.5	16	19	40.5	26	0.016
20	G3/8	3133 12 17	5.5	20	19	39	26	0.019
	G1/2	3133 12 21	7	24	19	39	26	0.029

The body swivels for positioning purposes.
This model prevents distortion of the tube.

3198 Stud Branch Tee, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

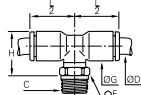


ØD	C		E	F	G	H	L/2	Kg
4	M5x0.8	3198 04 19	3.5	8	8.5	17.5	14	0.003
	G1/8	3198 04 10	5	13	8.5	15	14	0.006
6	G1/4	3198 04 13	5.5	16	8.5	15	14	0.011
	M5x0.8	3198 06 19	3.5	8	10.5	19.5	16	0.004
8	G1/8	3198 06 10	5	13	10.5	17	16	0.007
	G1/4	3198 06 13	5.5	16	10.5	17	16	0.012
10	G1/8	3198 08 10	4.5	13	13.5	23.5	23	0.011
	G1/4	3198 08 13	5.5	16	13.5	21.5	23	0.014
12	G3/8	3198 08 17	5.5	20	13.5	21.5	23	0.019
	G1/4	3198 10 13	5.5	16	16	26	26.5	0.017
16	G3/8	3198 10 17	5.5	20	16	24	26.5	0.020
	G1/2	3198 10 21	7	24	16	24	26.5	0.029
20	G1/4	3198 12 13	5.5	16	19	29	31	0.021
	G3/8	3198 12 17	5.5	20	19	27	31	0.024
24	G1/2	3198 12 21	7	24	19	27	31	0.033
	G3/8	3198 14 17	5.5	20	22	32.5	35.5	0.036
28	G1/2	3198 14 21	7	24	22	27	35.5	0.036
	G3/8	3198 16 17	7.5	27	27	54.5	38.5	0.121
32	G1/2	3198 16 21	9	27	27	54.5	38.5	0.117

The body swivels for positioning purposes.

3108 Stud Branch Tee, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

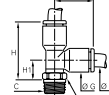


ØD	C		F	G	H	L/2	Kg
4	R1/8	3108 04 10	10	8.5	15.5	14	0.006
	R1/4	3108 04 13	14	8.5	16	14	0.015
6	R1/8	3108 06 10	10	10.5	17.5	16	0.007
	R1/4	3108 06 13	14	10.5	18	16	0.016
8	R1/8	3108 08 10	10	13.5	22	23	0.009
	R1/4	3108 08 13	14	13.5	21	23	0.016
10	R3/8	3108 08 17	17	13.5	21	23	0.020
	R1/4	3108 10 13	15	16	24	26.5	0.017
12	R3/8	3108 10 17	17	16	24	26.5	0.022
	R1/2	3108 10 21	21	16	24	26.5	0.034
16	R1/4	3108 12 13	15	19	27	31	0.021
	R3/8	3108 12 17	17	19	27	31	0.027
20	R1/2	3108 12 21	21	19	27	31	0.041
	R3/8	3108 14 17	20	22	30.5	35	0.038
24	R1/2	3108 14 21	24	22	28.5	35	0.049
	R3/8	3108 16 17	27	27	53	38.5	0.128
28	R1/2	3108 16 21	27	27	53	38.5	0.124

Pre-coated thread
The body swivels for positioning purposes.

3103 Stud Run Tee, BSPT Thread

Technical polymer, Nickel-plated brass, NBR



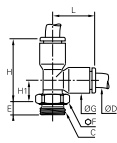
ØD	C		F	G	H	H1	L	Kg
4	R1/8	3103 04 10	10	8.5	23.5	9	14.5	0.006
	R1/4	3103 04 13	14	8.5	24	9.5	14.5	0.015
6	R1/8	3103 06 10	10	10.5	27.5	10	17.5	0.007
	R1/4	3103 06 13	14	10.5	28	10.5	17.5	0.016
8	R1/8	3103 08 10	10	13.5	35	12	23	0.009
	R1/4	3103 08 13	14	13.5	34	11	23	0.015
10	R3/8	3103 08 17	17	13.5	34	11	23	0.020
	R1/4	3103 10 13	15	16	40.5	14	26.5	0.017
12	R3/8	3103 10 17	17	16	40.5	14	26.5	0.022
	R1/2	3103 10 21	21	16	40.5	14	26.5	0.035
16	R1/4	3103 12 13	15	19	46.5	15.5	31	0.021
	R3/8	3103 12 17	17	19	46.5	15.5	31	0.026
20	R1/2	3103 12 21	21	19	46.5	15.5	31	0.041
	R3/8	3103 14 21	24	22	52.5	17.5	35.5	0.049
24	R3/8	3103 16 17	27	27	78	27	38.5	0.126
	R1/2	3103 16 21	27	27	78	27	38.5	0.124

Pre-coated thread
The body swivels for positioning purposes.

LF 3000® Push-In Fittings / Stud Fittings

3193 Stud Run Tee, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

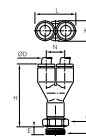


ØD	C		E	F	G	H	H1	L	Kg
4	M5x0.8	3193 04 19	3.5	8	8.5	26	11.5	14.5	0.003
	G1/8	3193 04 10	5	13	8.5	23	8.5	14.5	0.006
	G1/4	3193 04 13	5.5	16	8.5	23	8.5	14.5	0.011
	M5x0.8	3193 06 19	3.5	8	10.5	29.5	12.5	17.5	0.004
6	G1/8	3193 06 10	5	13	10.5	27	10	17.5	0.007
	G1/4	3193 06 13	5.5	16	10.5	27	10	17.5	0.012
	G1/8	3193 08 10	4.5	13	13.5	36.5	14	23	0.011
8	G1/4	3193 08 13	5.5	16	13.5	34.5	12	23	0.014
	G3/8	3193 08 17	5.5	20	13.5	34.5	12	23	0.019
10	G1/4	3193 10 13	5.5	16	16	42	15.5	26.5	0.017
	G3/8	3193 10 17	5.5	20	16	40.5	14	26.5	0.020
	G1/2	3193 10 21	7	24	16	40.5	14	26.5	0.029
12	G1/4	3193 12 13	5.5	16	19	48	17	31	0.021
	G3/8	3193 12 17	5.5	20	19	46.5	15.5	31	0.024
14	G1/2	3193 12 21	7	24	19	46.5	15.5	31	0.033
	G3/8	3193 14 17	5.5	20	22	56.5	21.5	35.5	0.036
16	G1/2	3193 14 21	7	24	22	51	16	35.5	0.036
	G3/8	3193 16 17	7.5	27	27	79.5	41	38.5	0.121
	G1/2	3193 16 21	9	27	27	79.5	41	38.5	0.117

The body swivels for positioning purposes.

3158 Y Piece, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

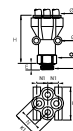


ØD	C		E	F	H	K	L	N	Kg
4	M5x0.8	3158 04 19	3.5	8	32.5	8.5	17.5	9	0.006
	M5x0.8	3158 06 19	3.5	10	39.5	10.5	21.5	11	0.009
6	G1/8	3158 06 10	5	13	39	10.5	21.5	11	0.012
	G1/4	3158 06 13	5.5	16	39.5	10.5	21.5	11	0.017
	G1/8	3158 08 10	5	13	49	13.5	28	14.5	0.020
8	G1/4	3158 08 13	5.5	16	49.5	13.5	28	14.5	0.023
	G3/8	3158 08 17	6	19	48	13.5	28	14.5	0.031
10	G1/4	3158 10 13	5.5	16	58	16	33	17	0.032
	G3/8	3158 10 17	6	20	57.5	16	33	17	0.040
12	G1/2	3158 10 21	7	24	58	16	33	17	0.054
	G3/8	3158 12 17	6	20	62	19	39	20	0.044
	G1/2	3158 12 21	7	24	63	19	39	20	0.050

The body swivels for positioning purposes.

3132 Double Y, Male BSPP Thread

Technical polymer, Nickel-plated brass, NBR

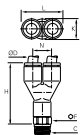


ØD	C		E	F	H	K	K1	N	N1	ØT	Kg
4	G1/8	3132 04 10	5	13	41	25.5	21	10	8.5	3.7	0.022
	G1/4	3132 04 13	5.5	16	40	25.5	21	10	8.5	3.7	0.026
6	G1/8	3132 06 10	5	19	53.5	31.5	26.5	12	10	3.7	0.041
	G1/4	3132 06 13	5.5	19	52.5	31.5	26.5	12	10	3.7	0.042

The body swivels for positioning purposes.

3148 Y Piece, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR



ØD	C		F	H	K	L	N	Kg
4	R1/8	3148 04 10	10	32.5	8.5	17.5	9	0.009
	R1/4	3148 04 13	14	33	8.5	17.5	9	0.018
6	R1/8	3148 06 10	10	39.5	10.5	21.5	11	0.012
	R1/4	3148 06 13	14	40	10.5	21.5	11	0.021
8	R1/8	3148 08 10	13	56.5	13.5	28	14.5	0.020
	R1/4	3148 08 13	14	55.5	13.5	28	14.5	0.025
10	R3/8	3148 08 17	16	48.5	13.5	28	14.5	0.034
	R1/4	3148 10 13	14	60	19	39	20	0.033
12	R3/8	3148 10 17	16	60.5	19	39	20	0.043
	R1/2	3148 10 21	24	61	19	39	20	0.062
14	R3/8	3148 12 17	19	66	19	39	20	0.054
	R1/2	3148 12 21	21	66	19	39	20	0.059

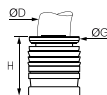
Pre-coated thread

The body swivels for positioning purposes.

LF 3000® Push-In Fittings / Stud Fittings

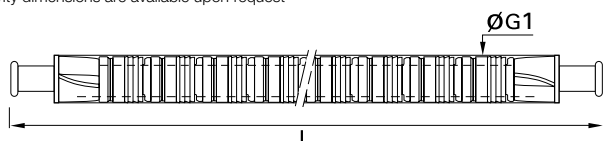
3100 Carstick® Cartridge

Brass, NBR



ØD		G	G1	H	L	Kg
4	3100 04 00	8	11	10	554	0.007
6	3100 06 00	10	14.5	11.5	629	0.002
8	3100 08 00	13	15	15	794	0.002
10	3100 10 00	15.5	19.5	17	930	0.005
12	3100 12 00	19.5	21	19.5	1038	0.010
14	3100 14 00	21	24.5	22.5	1110	0.013

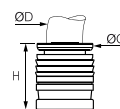
50 cartridges per Carstick®.
Cavity dimensions are available upon request



3100 Carstick® Cartridge

Inch

Nickel-plated brass, NBR

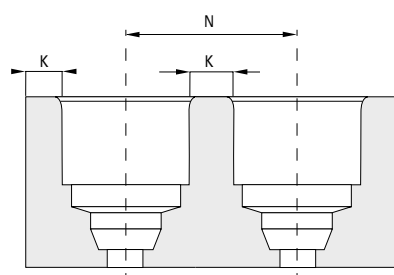
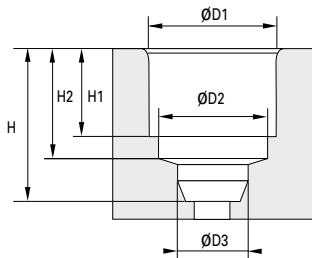


ØD		G	G1	H	L	Kg
1/8	3100 53 00 99	7	10	9	508	0.002
5/32	3100 04 00 99	8	11	10	554	0.007
1/4	3100 56 00 99	10.5	14.5	12	600	0.003
5/16	3100 08 00 99	13	15	15	794	0.002
3/8	3100 60 00 99	15.5	19	16.5	930	0.006

50 cartridges per Carstick®
(4 mm) and 5/16" (8 mm) also available.
Cavity dimensions are available upon request



Cavity Dimensions



Carstick® Metric

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

Carstick®

Inch

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

Polyamide Cavity

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

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

Aluminium Cavity

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

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

Brass Cavity

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

Cavity	ØD1	ØD2	N	K
1/8	7.1	6.2	8.6	1.5
5/32*	8.25	7.05	10.25	2
1/4	10.6	9.35	12.65	2
5/16*	12.2	10.85	14.25	2
3/8	15.05	13.1	17.1	2

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

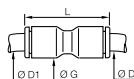
Please consult us for detailed drawings of cavity dimensions and tolerances.

All our dimensions are in millimeters.

LF 3000® Push-In Fittings / Tube-to-Tube Fittings

3106 Equal and Unequal Tube-to-Tube Connector

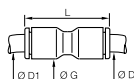
Technical polymer, NBR



ØD	ØD1		G	L	Kg
3	3	3106 03 00	8.5	25	0.002
	4	3106 03 04	8.5	25	0.002
	1/4	3106 04 56	11	29.5	0.005
4	4	3106 04 00	8.5	25	0.001
	6	3106 04 06	11	28	0.002
	8	3106 04 08	13.5	38	0.005
6	1/4	3106 06 56	13.5	36	0.009
	6	3106 06 00	10.5	28.5	0.002
	8	3106 06 08	13.5	38	0.005
8	10	3106 06 10	16	42	0.008
	8	3106 08 00	13.5	38	0.004
	10	3106 08 10	16	42	0.007
10	12	3106 08 12	19	50.5	0.026
	10	3106 10 00	16	42	0.005
	12	3106 10 12	19	50.5	0.018
12	1/2	3106 12 62	22	56.5	0.041
	12	3106 12 00	19	50.5	0.009
	14	3106 12 14	22	56	0.025
14	16	3106 12 16	27	61	0.066
	14	3106 14 00	22	56	0.014
16	16	3106 16 00	27	60.5	0.041

3106 Equal and Unequal Tube-to-Tube Connector Inch

Technical polymer, NBR

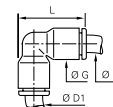


ØD	ØD1		G	L	Kg
1/4	1/4	3106 56 00	11	29.5	0.002
	3/8	3106 60 00	16	42	0.006
3/8	10	3106 60 10	12	50.5	0.028
	1/4	3106 60 56	16	41	0.016
1/2	1/2	3106 62 00	22	55	0.016

5/32"(4 mm) and 5/16"(8 mm) also available

3102 Equal and Unequal Elbow

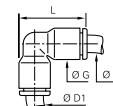
Technical polymer, NBR



ØD	ØD1		G	L	Kg
4	4	3102 04 00	8.5	19	0.001
	6	3102 04 06	10.5	22.5	0.003
6	6	3102 06 00	10.5	22.5	0.002
	8	3102 06 08	13.5	29.5	0.008
8	8	3102 08 00	13.5	29.5	0.004
	10	3102 08 10	16	34.5	0.011
10	10	3102 10 00	16	34.5	0.006
	12	3102 10 12	19	40.5	0.019
12	12	3102 12 00	19	40.5	0.010
14	14	3102 14 00	22	46.5	0.015
16	16	3102 16 00	27	52	0.043

3102 Equal and Unequal Elbow Inch

Technical polymer, NBR

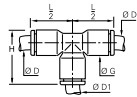


ØD	ØD1		G	L	Kg
1/4	1/4	3102 56 00	11	2.5	0.002
3/8	3/8	3102 60 00	16	34	0.006
1/2	1/2	3102 62 00	22	35	0.017

5/32"(4 mm) and 5/16"(8 mm) also available

3104 Equal and Unequal Tee

Technical polymer, NBR

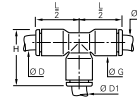


ØD	ØD1		G	H	L/2	Kg
3	3	3104 03 00	8.5	19	14.5	0.004
4	4	3104 04 00	8.5	19	14.5	0.002
	6	3104 04 06	10.5	22.5	17.5	0.007
6	4	3104 06 04	10.5	22.5	17.5	0.005
	6	3104 06 00	10.5	22.5	17.5	0.003
8	8	3104 06 08	13.5	29.5	23	0.015
	4	3104 08 04	13.5	29	17.5	0.013
8	6	3104 08 06	13.5	29.5	23	0.010
	8	3104 08 00	13.5	29.5	23	0.006
10	10	3104 08 10	16	34.5	26.5	0.020
	4	3104 10 04	16	33	26	0.023
10	8	3104 10 08	16	34.5	26.5	0.014
	10	3104 10 00	16	34.5	26.5	0.009
12	12	3104 10 12	19	40.5	31	0.033
	4	3104 12 04	19	39	31	0.040
12	10	3104 12 10	19	40.5	31	0.023
	12	3104 12 00	19	40.5	31	0.014
14	8	3104 14 08	22	46	35.5	0.054
	14	3104 14 00	22	46	35.5	0.022
16	12	3104 16 12	27	52.5	39	0.088
	16	3104 16 00	27	52	39	0.063

3104 Equal and Unequal Tee

Inch

Technical polymer, NBR

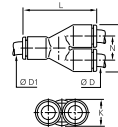


ØD	ØD1		G	H	L/2	Kg
5/32	1/4	3104 04 56	11	23.5	18	0.008
1/8	1/8	3104 53 00	8.4	19	14.5	0.003
	1/4	3104 53 56	11	23.5	18	0.011
3/16	3/16	3104 55 00	11	27.2	21.6	0.016
	5/32	3104 56 04	11	23.5	18.5	0.014
1/4	1/4	3104 56 00	11	23	24	0.003
	1/8	3104 56 53	11	23.5	18.5	0.007
3/8	3/8	3104 56 60	16	33.5	24.5	0.017
	1/4	3104 60 56	16	32.5	25.5	0.019
1/2	3/8	3104 60 00	16	34	26	0.009
	1/2	3104 62 00	22	46	35	0.026
1/2	1/4	3104 62 56	22.1	45.2	35.3	0.059
	3/8	3104 62 60	22	46	35	0.047

5/32"(4 mm) and 5/16"(8 mm) also available

3140 Equal and Unequal Single Y Piece

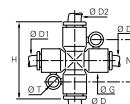
Technical polymer, NBR



ØD	ØD1		H	K	L	N	Kg
4	4	3140 04 00	17.5	8.5	28.5	9	0.002
	6	3140 04 06	17.5	10.5	33	9	0.002
6	6	3140 06 00	21.5	10.5	35	11	0.004
	8	3140 06 08	22.5	13.5	41	11.5	0.005
8	8	3140 08 00	28	13.5	45	14.5	0.006
	10	3140 08 10	28	16	47	14.5	0.008
10	10	3140 10 00	33	16	53	17	0.010
	12	3140 10 12	33	19	57	17	0.012
12	12	3140 12 00	39	19	57	20	0.017

3107 Equal and Unequal Cross

Technical polymer, NBR

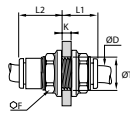


ØD	ØD1	ØD2		G	H	N	ØT	Kg
4	4	4	3107 04 00	11	36	20	4.2	0.014
6	4	6	3107 04 06	11	36	20	4.2	0.009
4	4	6	3107 06 04	11	36	20	4.2	0.011
6	6	6	3107 06 00	11	36	20	4.2	0.005
8	6	8	3107 06 08	11	46	22.5	4.2	0.018
6	6	8	3107 08 06	13.5	46	22.5	4.2	0.022
8	8	8	3107 08 00	13.5	46	22.5	4.2	0.009

LF 3000® Push-In Fittings / Bulkhead Connector Fittings

3116 Equal Bulkhead Connector

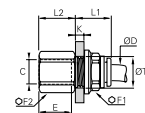
Technical polymer, NBR



ØD		F	K max	L1	L2	ØT min	Kg
4	3116 04 00	13	5.5	15	10	10.5	0.003
6	3116 06 00	15	8	19	11.5	12.5	0.004
8	3116 08 00	18	14.5	25	13.5	15.5	0.007
10	3116 10 00	22	14.5	27.5	15.5	18.5	0.011
12	3116 12 00	26	18.5	33	18	22.5	0.019
14	3116 14 00	29	20.5	37.5	20.5	25.5	0.028

3136 Bulkhead Connector, Female BSPP Thread

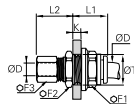
Nickel-plated brass, NBR



ØD	C		E	F1	F2	K max	L1	L2	ØT min	Kg
4	G1/8	3136 04 10	9.5	13	13	7	17	11.5	10.5	0.015
	G1/4	3136 04 13	13.5	13	16	7	17	15.5	10.5	0.021
6	G1/8	3136 06 10	9.5	15	15	8	19	10.5	12.5	0.021
	G1/4	3136 06 13	13.5	15	17	7	19	15.5	12.5	0.027
8	G3/8	3136 06 17	12	15	22	8	19	16	12.5	0.041
	G1/8	3136 08 10	9.5	18	17	8	20.5	10.5	15.5	0.029
10	G1/4	3136 08 13	13.5	18	17	8	20.5	14.5	15.5	0.029
	G3/8	3136 10 17	14	22	22	8.5	23	16	18.5	0.050
12	G3/8	3136 12 17	14	26	24	8.5	27	16	22.5	0.079
	G1/2	3136 12 21	19.5	26	27	8.5	27	21.5	22.5	0.098
16	G3/8	3136 16 17	12	29	29	10.5	30	15	27.5	0.125
	G1/2	3136 16 21	15	29	29	10.5	30	19.5	27.5	0.126

3146 Equal Mixed Bulkhead Connector

Nickel-plated brass, NBR

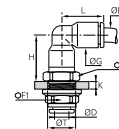


ØD		F1	F2	F3	K max	L1	L2	ØT min	Kg
4	3146 04 00	13	13	10	7	17.5	17.5	10.5	0.018
6	3146 06 00	15	17	13	8	19	18	12.5	0.028
8	3146 08 00	18	19	14	8	20.5	20.5	15.5	0.036
10	3146 10 00	22	22	19	8.5	23	24.5	18.5	0.062
12	3146 12 00	26	25	22	8.5	27	25	22.5	0.095
14	3146 14 00	29	29	24	10.5	27	27	25.5	0.124

Push-in connection with compression fitting

3139 Equal Bulkhead Elbow

Technical polymer, Nickel-plated brass, NBR



ØD		F	F1	G	H	K max	L	ØT min	Kg
4	3139 04 00	13	13	8.5	17	6.5	14.5	10.5	0.014
6	3139 06 00	17	15	10.5	19.5	7	17.5	12.5	0.021
8	3139 08 00	19	18	13.5	24	8	23	15.5	0.032
10	3139 10 00	22	22	16	28	8.5	26	18.5	0.048
12	3139 12 00	24	26	19	33	8.5	31	22.5	0.084
14	3139 14 00	27	29	25.5	37.5	10.5	36	25.5	0.117

The body swivels for positioning purposes.

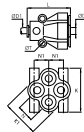
Boxes protect the contents and are designed to meet your requirements:

- part numbers and corresponding product pictures allow for immediate visual identification
- bar codes
- easy storage
- tamper-proof system of opening/closing
- recyclable material



3144 Equal and Unequal Multiple Y Piece

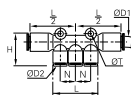
Technical polymer, NBR



ØD	ØD1		K	K1	L	N	N1	ØT	Kg
4	4	3144 04 04	25.5	21	30.5	10	8.5	3.7	0.015
	6	3144 04 06	25.5	21	30.5	10	8.5	3.7	0.013
6	6	3144 06 06	31.5	26.5	37.5	12	10	3.7	0.032
	8	3144 06 08	31.5	26.5	38	12	10	3.7	0.026

3304 Multiple Tee

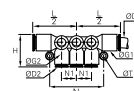
Technical polymer, NBR



ØD1	ØD2		H	L	L/2	N	ØT	Kg
6	4	3304 06 04	24.5	34	37	11.5	4.2	0.015
8	4	3304 08 04	24.5	34	37	11.5	4.2	0.012
	6	3304 08 06	24.5	34	37	11.5	4.2	0.010
10	6	3304 10 06	36	44	40.5	14.5	4.2	0.019
	8	3304 10 08	36	44	40.5	15.5	4.2	0.015

3306 90° Multiple Elbow

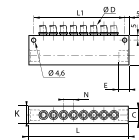
Technical polymer, NBR



ØD1	ØD2		G	G1	H	L/2	N	N1	ØT	Kg
6	4	3306 06 04	13.5	11	18.5	36	43	11.5	4.2	0.034
8	4	3306 08 04	13.5	11	18.5	36.5	43	11.5	4.2	0.025
	6	3306 08 06	13.5	11	18.5	36.5	43	11.5	4.2	0.022
10	6	3306 10 06	16	13.5	23	42	52	14.5	4.2	0.048
	8	3306 10 08	16	13.5	23.5	42	52	14.5	4.2	0.021

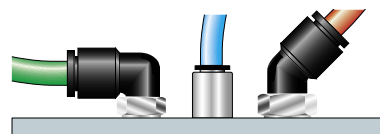
3310 In-Line Manifold

Treated aluminium, NBR



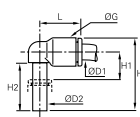
ØD	C		Number of Outlets	E	H	K	L	L1	N	Kg
4	G1/4	3310 04 13	8	10	33	20	114	104	11.5	0.164
6	G1/4	3310 06 13	8	10	33	20	114	104	12.5	0.160
8	G3/8	3310 08 17	6	12	33	20	114	104	15	0.149
10	G1/2	3310 10 21	6	16	48	25	145.5	135.5	17	0.329
12	G1/2	3310 12 21	4	16	45	25	158	148	20.5	0.354

Parker Legris offers the solution to enable many types of configuration options.



3182 Equal and Unequal Plug-In Elbow

Technical polymer, NBR

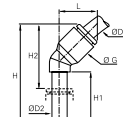


ØD1	ØD2		G	H	H1	H2	L	Kg
4	4	3182 04 00	8.5	23	6	15.5	14	0.005
4	6	3182 04 06	10.5	26.5	7	17	16	0.004
	4	3182 06 04	10.5	24.5	7	15.5	16	0.001
6	6	3182 06 00	10.5	26.5	7	17	16	0.001
	8	3182 06 08	13.5	33.5	8	21.5	23	0.007
8	8	3182 08 00	13.5	33.5	8	21.5	23	0.003
	10	3182 08 10	16	39	10	24.5	26.5	0.010
10	10	3182 10 00	16	39	10	24.5	26.5	0.004
	12	3182 10 12	19	44.5	10.5	27.5	31	0.016
12	12	3182 12 00	19	45.5	10.5	27.5	31	0.007

The references in diameter 4mm and 12mm are not grooved in standard version

3180 45° Plug-In Equal Elbow

Technical polymer, NBR

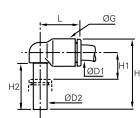


ØD1	ØD2		G	H	H1	H2	L	Kg
4	4	3180 04 00	9	33.5	19	21	13	0.001
6	6	3180 06 00	11	39	21	25	14.5	0.002
8	8	3180 08 00	13.5	44	21.5	25.5	19.5	0.003
10	10	3180 10 00	16	53	27	32.5	23	0.004
12	12	3180 12 00	19	58.5	27.5	34	26.5	0.007

3182 Equal Plug-In Elbow

Inch

Technical polymer, NBR

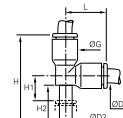


ØD1	ØD2		G	H	H1	H2	L	Kg
1/4	1/4	3182 56 00	11	27.5	7.5	18	18.5	0.002
3/8	3/8	3182 60 00	16	38.5	9	24	26	0.010

5/32"(4 mm) and 5/16"(8 mm) also available

3183 Equal and Unequal Plug-In Run Tee

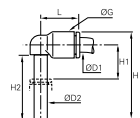
Technical polymer, NBR



ØD1	ØD2		G	H	H1	H2	L	Kg
4	4	3183 04 00	8.5	33	6	15.5	14.5	0.002
	6	3183 04 06	10.5	38.5	7	17	17.5	0.006
6	6	3183 06 00	10.5	38.5	7	17	17	0.002
	8	3183 06 08	13.5	48.5	8	21.5	23	0.014
8	8	3183 08 00	13.5	49	8	21.5	23	0.004
	10	3183 08 10	16	56.5	10.5	24.5	26.5	0.018
10	10	3183 10 00	16	57	10.5	24.5	26.5	0.007
	12	3183 10 12	19	65.5	10.5	27.5	31	0.034
12	12	3183 12 00	19	65.5	10.5	27.5	31	0.011

3184 Extended Equal and Unequal Plug-In Elbow

Technical polymer, NBR

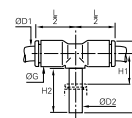


ØD1	ØD2		G	H	H1	H2	L	Kg
4	4	3184 04 00	8.5	32.5	15.5	25	14	0.004
	6	3184 04 06	10.5	38.5	19	29	16	0.004
6	6	3184 06 00	10.5	38.5	19	29	16	0.002
	8	3184 06 08	13.5	49	23.5	37	23	0.007
8	8	3184 08 00	13.5	49	23.5	37	23	0.003
	10	3184 08 10	16	56	26.5	41.5	26.5	0.011
10	10	3184 10 00	16	56	26.5	41.5	26.5	0.005
	12	3184 10 12	19	62.5	28	45.5	31	0.017
12	12	3184 12 00	19	62.5	28	45.5	31	0.008

The references in diameter 4mm and 12mm are not grooved in standard version

3188 Equal and Unequal Plug-In Branch Tee

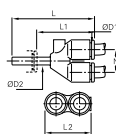
Technical polymer, NBR



ØD1	ØD2		G	H	H1	H2	L/2	Kg
4	4	3188 04 00	8.5	25	8	15.5	14.5	0.001
	6	3188 04 06	10.5	28.5	9	17	16	0.007
6	6	3188 06 00	10.5	28.5	9	17	16	0.002
	8	3188 06 08	13.5	36.5	11	21.5	22	0.014
8	8	3188 08 00	13.5	36.5	11	21.5	23	0.004
	10	3188 08 10	16	41	12.5	24.5	26.5	0.018
10	10	3188 10 00	16	41	12.5	24.5	26.5	0.007
	12	3188 10 12	19	46.5	12.5	27.5	31	0.030
12	12	3188 12 00	19	46.5	12.5	27.5	31	0.012

3142 Equal and Unequal Plug-In Single Y Piece

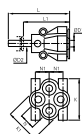
Technical polymer, NBR



ØD1	ØD2		L	L1	L2	N	Kg
4	4	3142 04 00	34	21.5	17.5	9	0.002
	6	3142 04 06	35.5	21.5	17.5	9	0.002
6	6	3142 06 00	39.5	25.5	21.5	11	0.004
	8	3142 06 08	44.5	26	22	11	0.006
8	8	3142 08 00	50.5	32	28	14.5	0.007
	10	3142 08 10	53.5	32	28	14.5	0.022
10	10	3142 10 00	57.5	36	33	17	0.010
	12	3142 10 12	60	35	33	17	0.035
12	12	3142 12 00	66	41	39	20	0.017

3143 Multiple Plug-In Y Piece

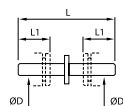
Technical polymer, Nickel-plated brass, NBR



ØD1	ØD2		K	K1	L	L1	N	N1	Kg
4	6	3143 04 06	26	21.5	49.5	35.5	11	8.5	0.018
	8	3143 04 08	26	21.5	51	32	11	8.5	0.021
6	8	3143 06 08	31.5	26.5	57.5	39	12	10	0.035

3120 Stem Connector

Technical polymer

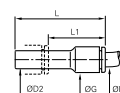


ØD		L	L1	Kg
4	3120 04 00	34.5	12	0.001
6	3120 06 00	38.5	14	0.001
8	3120 08 00	41	18.5	0.001
10	3120 10 00	51.5	20.5	0.002
12	3120 12 00	60	24.5	0.004
14	3120 14 00	69.5	25.5	0.007

This model exists in nickel-plated brass; please use suffix 85. Example: 3120 06 00 85
Only compatible with Parker Legris fittings. Drawing available upon request.

3166 Plug-In Reducer

Technical polymer, NBR

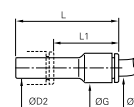


ØD1	ØD2		G	L	L1	Kg
3	4	3166 03 04	8.5	37.5	23.5	0.002
	6	3166 04 06	8.5	37.5	23.5	0.001
4	8	3166 04 08	8.5	37.5	19	0.001
	10	3166 04 10	10.5	38	18	0.003
6	8	3166 06 08	10.5	37.5	20	0.001
	10	3166 06 10	10.5	38	17.5	0.002
8	12	3166 08 12	14.5	46	23	0.005
	14	3166 08 14	14.5	48	23	0.007
10	10	3166 10 10	13.5	49	28.5	0.003
	12	3166 10 12	13.5	49	24.5	0.004
12	14	3166 12 14	17	48	23	0.007
	12	3166 12 12	21.5	56.5	33.5	0.005
14	14	3166 14 14	21.5	58.5	33.5	0.005
	12	3166 14 12	23.5	58.5	33.5	0.007

3166 Plug-In Reducer

Inch

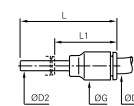
Technical polymer, NBR



ØD1	ØD2		G	L	L1	Kg
1/4	5/16	3166 56 08	11	41	23	0.002
	3/8	3166 56 60	11	41	21	0.002

3168 Plug-In Increaser

Technical polymer, NBR

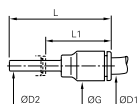


ØD1	ØD2		G	L	L1	Kg
6	4	3168 06 04	10.5	35	23	0.002
	6	3168 08 06	13.5	45	31.5	0.003
8	1/4	3168 08 56	16	40	25.5	0.009
	8	3168 10 08	16	42.5	21	0.004
12	10	3168 12 10	19	49	24.5	0.006

3168 Plug-In Increaser

Inch

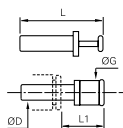
Technical polymer, NBR



ØD1	ØD2		G	L	L1	Kg
1/4	3/16	3168 56 55	20.5	41	25	0.002
	5/32	3168 56 04	11	41	29	0.002

3126 Blanking Plug

Technical polymer



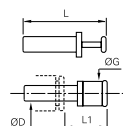
ØD		G	L	L1	Kg
3	3126 03 00	6	25	13.5	0.001
4	3126 04 00	4	30	15.5	0.001
6	3126 06 00	8	33	16.5	0.001
8	3126 08 00	10	35	17.5	0.001
10	3126 10 00	12	42	21	0.002
12	3126 12 00	14	45	22	0.003
14	3126 14 00	16	49	23.5	0.005
16	3126 16 00*	19	57	30	0.064

*Nickel-plated brass

3126 Blanking Plug

Inch

Technical polymer

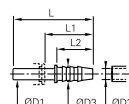


ØD		G	L	L1	Kg
1/4	3126 56 00	8	36.5	22	0.001
3/8	3126 60 00	12	42	22	0.002
1/2	3126 62 00	15	48.5	21.5	0.003

5/32"(4 mm) and 5/16"(8 mm) also available

3122 Plug-In Barb Connector

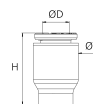
Technical polymer



ØD1	ØD2	ØD3		L	L1	L2	Kg
4	3.2	5	3122 04 53	37	25	17	0.004
	5	7	3122 04 05	37	25	17	0.001
6	5	7	3122 06 05	39	25	17	0.001
8	6.3	8.5	3122 08 56	39.5	21	17	0.001
	8	10	3122 08 08	44.5	26	22	0.001
10	6.3	8	3122 10 56	45	24.5	17	0.002
	8	10	3122 10 08	50	29.5	22	0.002
12	8	10	3122 12 08	50	26	22	0.002
	10	12	3122 12 10	48.5	25.5	22.5	0.002
14	12.5	14.5	3122 12 62	57	34	22.5	0.004
	12.5	14.5	3122 14 62	59.5	34.5	22.5	0.006

3151 End Cap

Technical polymer, NBR



ØD		G	H	Kg
4	3151 04 00	8.5	15	0.001
6	3151 06 00	10.5	17	0.001
8	3151 08 00	13.5	22	0.002
10	3151 10 00	16	22	0.003
12	3151 12 00	19	28	0.005
14	3151 14 00	22	31	0.009

LF 3000® Push-In Fittings / Banjo Fittings



A modular solution designed to orientate the tube according to the application.

Ø metric:
4 to 12 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
Other fluids: please consult us
- **Working Pressure:** Vacuum to 20 bar
- **Working Temperature:** -20°C to +80°C

Tightening Torque (daN.m)	Threads					
	M3 x0.5	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	0.05	0.1	0.4	0.5	0.6	0.7

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).

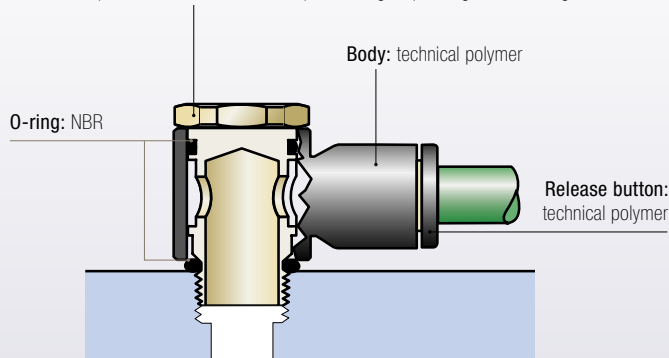
Advantages

- Screwed from above, for minimum space between connections
- 360° orientable
- Stacking of banjo bodies to allow construction of 2 to 6 outlets

Component Materials

Silicone-free

Bolt: nickel-plated brass, with or without pre-coating, depending on the configuration

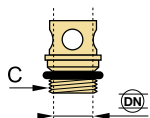


Regulations

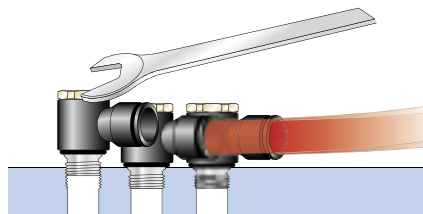
- ISO 14743
- PED
- RoHS
- REACH

Installation Configurations

Thread and bore diameters for part numbers 3524 - 3527 - 3528 - 3529:

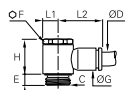


Thread (C)	M5x0.8	G1/8	G1/4	G3/8	G1/2
ØD	2.5	5.5	8.5	11	13



3118 Single Banjo, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

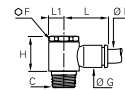


ØD	C		E	F	G	H	L1	L2	Kg
3	M3x0.5	3118 03 09*	3	-	8.5	13	5	16	0.005
4	M5x0.8	3118 04 19*	4	-	8.5	13	5	16.5	0.004
	G1/8	3118 04 10	4	13	8.5	17	7	18.5	0.012
6	M5x0.8	3118 06 19*	4	-	10.5	13	7	18.5	0.004
	G1/8	3118 06 10	4	13	10.5	17	7	20	0.013
	G1/4	3118 06 13	5.5	17	10.5	21	9.5	22	0.023
	G1/8	3118 08 10	4	13	13.5	16.5	7	25	0.014
8	G1/4	3118 08 13	5.5	17	13.5	21	9	27	0.024
	G3/8	3118 08 17	5.5	20	13.5	24.5	11	29	0.038
	G1/4	3118 10 13	5.5	17	16	21	9.5	29	0.025
	G3/8	3118 10 17	5.5	20	16	24.5	11	31	0.039
10	G1/2	3118 10 21	8	25	19	27.5	13.5	36.5	0.083
	G3/8	3118 12 17	5.5	20	19	24.5	11	34.5	0.040
12	G1/2	3118 12 21	8	25	19	27.5	13.5	36.5	0.075

*With screwdriver slot

3018 Single Banjo, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR



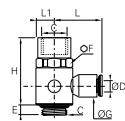
ØD	C		F	G	H	L	L1	Kg
6	R1/8	3018 06 10	13	10.5	18.5	20	7	0.015
	R1/4	3018 06 13	17	10.5	22.5	22	9.5	0.029
8	R1/8	3018 08 10	13	13.5	18.5	25	7	0.016
	R1/4	3018 08 13	17	13.5	22.5	27	9.5	0.030
10	R1/4	3018 10 13	17	16	22.5	29	9.5	0.031
	R3/8	3018 10 17	21	16	26.5	31	11	0.048
12	R1/4	3018 12 13	21	19	26.5	34.5	11	0.052
	R3/8	3018 12 17	21	19	26.5	34.5	11	0.050

Pre-coated thread

LF 3000® Push-In Fittings / Banjo Fittings

3124 Single Banjo, Male/Female BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

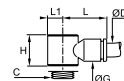


ØD	C		E	F	G	H	L	L1	Kg
4	G1/8	3124 04 10	4	13	8.5	25.5	18.5	7	0.015
6	G1/4	3124 06 13	5.5	17	10.5	33	22	9	0.029
8	G3/8	3124 08 17	5.5	20	13.5	37.5	29	11	0.043

This product family was developed to allow assembly of a function fitting on a cylinder.

3538 Single Banjo Bodies

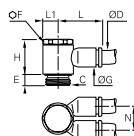
Technical polymer, NBR



ØD	C		G	H	L	L1	Kg
4	M5x0.8	3538 04 19	8.5	13	16	5	0.001
	G1/8	3538 04 10	10.5	14.5	18.5	7	0.002
	M5x0.8	3538 06 19	11	13	18.5	5	0.002
6	G1/8	3538 06 10	10.5	14.5	20	7	0.002
	G1/4	3538 06 13	13.5	18	22	9.5	0.003
	G1/8	3538 08 10	13.5	14.5	25	7	0.003
8	G1/4	3538 08 13	13.5	18	27	9.5	0.004
	G3/8	3538 08 17	13.5	21.5	29	11.5	0.005
	G1/4	3538 10 13	16	18	29	9.5	0.005
10	G3/8	3538 10 17	16	21.5	31	11.5	0.006
12	G3/8	3538 12 17	19	21.5	34.5	11.5	0.008

3149 Twin Banjo, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

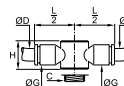


ØD	C		E	F	G	H	L	L1	N	Kg
4	M5x0.8	3149 04 19*	4		8.5	13	16	4.5	9	0.005
	G1/8	3149 04 10	4	13	10.5	16.5	18.5	7	11.5	0.018
6	G1/8	3149 06 10	4	13	10.5	16.5	18.5	7	11.5	0.014
	G1/4	3149 06 13	5.5	17	13.5	21	27	9.5	14.5	0.035
	G1/4	3149 08 13	5.5	17	13.5	21	27	9.5	14.5	0.026
8	G3/8	3149 08 17	5.5	20	16	24.5	31	11	17	0.053
10	G3/8	3149 10 17	5.5	20	16	24.5	31	11	17	0.042

*With screwdriver slot

3539 Double Banjo Bodies

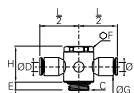
Technical polymer, NBR



ØD	C		G	H	L/2	Kg
6	G1/8	3539 06 10	10.5	14.3	20	0.011
	G1/4	3539 06 13	13.5	18	26	0.015
8	G1/4	3539 08 13	13.5	18	27	0.005
	G3/8	3539 08 17	16	21.5	30.5	0.020
10	G3/8	3539 10 17	16	21.5	31	0.008

3119 Double Banjo, BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

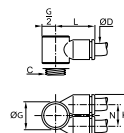


ØD	C		E	F	G	H	L/2	Kg
4	M5x0.8	3119 04 19*	4		8.5	13	8	0.005
	G1/8	3119 06 10	4	13	11	17	20	0.014
6	G1/4	3119 06 13	5.5	17	13.5	21	26.5	0.035
	G1/4	3119 08 13	5.5	17	13.5	21	27	0.026
8	G3/8	3119 08 17	5.5	20	16	24.5	30.5	0.053

*With screwdriver slot

3549 Twin Banjo Bodies

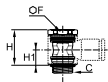
Technical polymer, NBR



ØD	C		G	K	L	N	Kg
4	M5x0.8	3549 04 19	10	17.5	15.5	9	0.003
	G1/4	3549 04 13	18.5	28	25	14.5	0.020
	G1/8	3549 06 10	14	22.5	20.5	12	0.003
6	G1/4	3549 06 13	18.5	28	25	14.5	0.015
	G3/8	3549 06 17	22.5	33	28.5	17	0.031
	G1/4	3549 08 13	18.5	28	26	14.5	0.006
8	G3/8	3549 08 17	22.5	33	29.5	17	0.020
10	G3/8	3549 10 17	22.5	33	29.5	17	0.009

3527 Single Banjo Bolts, Male BSPP and Metric Thread

Nickel-plated brass, NBR

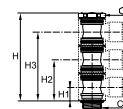


C		F	H	H1	Kg
M5x0.8	3527 00 19*		17	7.5	0.003
G1/8	3527 00 10	13	17	7.5	0.011
G1/4	3527 00 13	17	21	9.5	0.020
G3/8	3527 00 17	20	24.5	11	0.033

*With screwdriver slot
Full bore

3529 Stacking Banjo for 3 Body High Modules, Male BSPP Thread

Nickel-plated brass, NBR

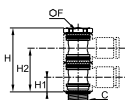


C		F	H	H1	H2	H3	Kg
G1/8	3529 00 10	13	45.5	7.5	22	36	0.023
G1/4	3529 00 13	17	54	9.5	27.5	45.5	0.042
G3/8	3529 00 17	20	67.5	11	32.5	54	0.069

Full bore
Designed for use with 3 banjo bodies

3528 Stacking Banjo for 2 Body High Modules, Male BSPP and Metric Thread

Nickel-plated brass, NBR

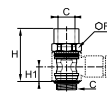


C		F	H	H1	H2	Kg
M5x0.8	3528 00 19*	24.5	7.5	18.5	0.005	
G1/8	3528 00 10	13	31	7.5	22	0.017
G1/4	3528 00 13	17	39	9.5	27.5	0.031
G3/8	3528 00 17	20	46	11	32.5	0.053

*With screwdriver slot
Full bore
Designed for use with 2 banjo bodies

3524 Threaded Banjo Bolts, Male/Female BSPP and Metric Thread

Nickel-plated brass, NBR



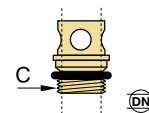
C		F	H	H1	Kg
G1/8	3524 00 10	13	24.5	7.5	0.013
G1/4	3524 00 13	17	33	9.5	0.027
G3/8	3524 00 17	20	37.5	11	0.039
G1/2	3524 00 21	26	42	11.5	0.067

Full bore

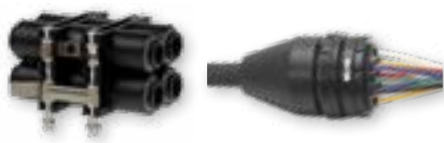
Banjo bolts 3527, 3528, 3529 and 3524 are only usable in association with the corresponding bodies for modular construction 3538, 3539 and 3549.

Thread and passage size for part numbers 3527, 3528, 3529 and 3524.

Thread	M5x0.8	G1/8	G1/4	G3/8	G1/2
	2.5	5.5	8.5	11	13



LF 3000® Push-In Fittings / Modular Plug-In Connectors



These connectors secure and facilitate the connection of several circuits by mechanical coding.

Ø metric:
4 to 8 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
Other fluids: please consult us
- **Working Pressure:** Vacuum to 10 bar
- **Working Temperature:** -20°C to +80°C

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).

Advantages

- 3 types of solutions: in-line, panel-mounted or DIN rail connector
- Minimized connection space
- Prevents incorrect assembly
- Customised multi-connectors upon request

Component Materials

Silicone-free

Multi-connectors:

- panel-mounted: zinc-plated steel, technical polymer
- in-line: aluminium, technical polymer
- DIN rail: technical polymer

Connections: LF 3000®

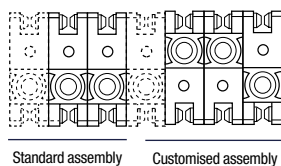


Regulations

- ISO 14743
- PED
- RoHS
- REACH

Installations Configurations

Panel-Mounted



Standard assembly

Customised assembly

A box contains:

- 10 units
- 20 joining clips and 4 end pins
- 4 mounting brackets
- 4 coupling clips
- 1 dismantling tool

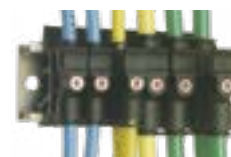
The module is constructed from a number of symmetrical components connected by joining clips. A coupling clip locks the module closed. A dismantling tool allows disconnection.

Maximum 5 modules recommended for the mating module; the fixed module is not limited.

In-Line

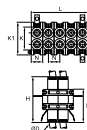


DIN Rail Connector



3300 Modular Plug-In Connector

Technical polymer, NBR

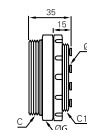


ØD		B	H	H1	K	K1	L	L1	L2	N	Kg
4	3300 04 00	21	40.5	29.5	32	20	55	22	6	11	0.079
6	3300 06 00	28	48	38.5	39	27.5	70	28	7.5	14	0.213
8	3300 08 00	28	50	39	39	27.5	70	28	7.5	14	0.125

Clearance hole for Ø3 mm screw

3320 Multi-Connector Male Screw Body

Technical polymer, NBR



ØD	C	C1		Number of Outlets	G	Kg
	M46x1.5	M40x1.5	3320 04 00 04	4	50	0.069
4	M46x1.5	M40x1.5	3320 04 00 07	7	50	0.071
	M65x1.5	M58x1.5	3320 04 00 12	12	70	0.137
	M46x1.5	M40x1.5	3320 06 00 04	4	50	0.070
6	M46x1.5	M40x1.5	3320 06 00 07	7	50	0.073

The number of male body outlets must correspond to the same number of outlets on the female body.

LF 3000® Push-In Fittings / Self-Sealing and Oscillating Fittings



2 functions available for quick machine intervention and to facilitate the operation of the installations.

Ø metric:
4 to 12 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
Other fluids: please consult us
- **Working Pressure:** Vacuum to 20 bar
(10 bar: self-sealing fitting)
- **Working Temperature:** -20°C to +80°C

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).

Advantages

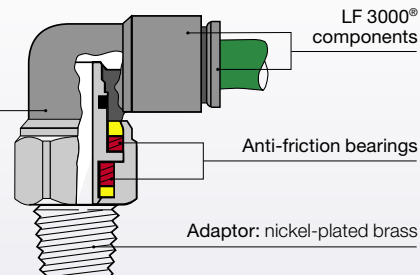
- **Self-Sealing Fittings**
- Prevents fluid flow when there is no tube connected
- When connected, the compressed air flow is restored
- **Oscillating Fittings**
- Fitting swivels when cylinder is in movement : no bending of the tube
- High durability of the fitting/tube assembly

Component Materials

Swivel Fitting

Body:

- Self-sealing fitting: nickel-plated brass
- Oscillating fitting: technical polymer



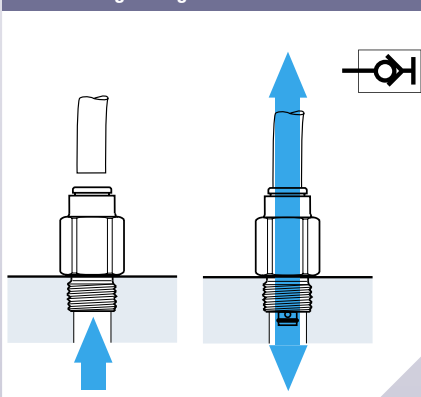
Silicone-free

Regulations

- ISO 14743
- PED
- RoHS
- REACH

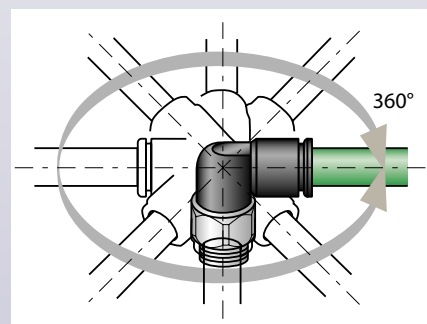
Installation Configurations

Self-Sealing Fitting



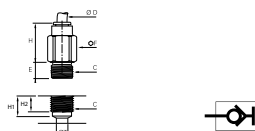
Oscillating Fitting

Tube O.D. (mm)	Torque (daN.m)	Max. Rotation Speed (turn/min.)
4	<2.5.10 ⁻³	190
6	<4.10 ⁻³	160
8	<7.10 ⁻³	120
10	<11.10 ⁻³	90
12	<16.10 ⁻³	80



3391 Self-Sealing Stud Fitting, Male BSPP Thread

Nickel-plated brass, NBR

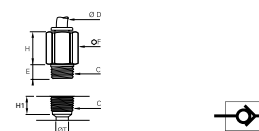


ØD	C		E	F	H	H1	H2	ØT	Kg
4	G1/8	3391 04 10	5	13	18	7.5	6	5	0.017
6	G1/8	3391 06 10	5	14	19.5	9	6	7.5	0.018
8	G1/8	3391 08 10	5	14	29.5	10	6	7.5	0.025
	G1/4	3391 08 13	5.5	16	25.5	11	8	9	0.032
10	G3/8	3391 10 17	5.5	20	27.5	13	11	10	0.055

Maximum working pressure: 10 bar

3091 Self-Sealing Stud Fitting, Male BSPT Thread

Nickel-plated brass, NBR

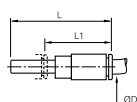



ØD	C		E	F	H	H1	ØT	Kg
4	R1/8	3091 04 10	7.5	12	18	9.5	5	0.014
6	R1/8	3091 06 10	7.5	13	19.5	9.5	7.5	0.015
8	R1/8	3091 08 10	6.5	14	25	10.5	7.5	0.024
	R1/4	3091 08 13	11	14	25.5	13.5	9	0.021

Maximum working pressure: 10 bar

3160 Self-Sealing Plug-In Fitting

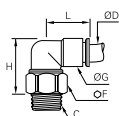
Technical polymer, NBR




ØD			L	L1	Kg
4		3160 04 00	46	33.5	0.006
6		3160 06 00	53.5	31	0.009
8		3160 08 00	58	31	0.014

3159 Oscillating Elbow, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

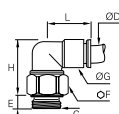



ØD	C			F	G	H	L	Kg
4	R1/8		3159 04 10	12	11	22	17.5	0.013
6	R1/8		3159 06 10	14	14	26.5	20.5	0.020
	R1/4		3159 06 13	14	14	23.5	20.5	0.022
8	R1/8		3159 08 10	17	16	32	23.5	0.034
	R1/4		3159 08 13	17	16	29	23.5	0.034
	R3/8		3159 08 17	17	16	25	23.5	0.031
10	R1/4		3159 10 13	19	19.5	37.5	29	0.051
	R3/8		3159 10 17	19	19.5	33.5	29	0.046
12	R1/4		3159 12 13	21	22	44.5	33.5	0.074
	R3/8		3159 12 17	21	22	41	33.5	0.068

Pre-coated thread

3189 Oscillating Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR



ØD	C			E	F	G	H	L	Kg
4	M5x0.8		3189 04 19	3	12	11	24.5	17.5	0.012
	G1/8		3189 04 10	5	13	11	23	17.5	0.014
6	M5x0.8		3189 06 19	3	12	14	27.5	20.5	0.017
	G1/8		3189 06 10	5	14	14	27	20.5	0.019
	G1/4		3189 06 13	5.5	16	14	25.5	20.5	0.023
8	G1/8		3189 08 10	5	17	16	33.5	23.5	0.034
	G1/4		3189 08 13	5.5	17	16	31	23.5	0.032
	G3/8		3189 08 17	5.5	20	16	29.5	23.5	0.039
10	G1/4		3189 10 13	5.5	19	19.5	39	29	0.053
	G3/8		3189 10 17	5.5	20	19.5	37	29	0.051
12	G1/4		3189 12 13	5.5	21	22	46.5	33.5	0.073
	G3/8		3189 12 17	5.5	21	22	45.5	33.5	0.071

LF 3000® Push-In Fittings / Maintenance Kit




The essential tool to rapidly carry out the main maintenance operations and reduce production interruptions.


Advantages

- 2 kits available: for BSPP products and BSPT products
- A selection of 24 references covering the most-used products
- Products available in the most common diameters: 4 mm, 6 mm and 8 mm
- A kit contains more than 300 products and can be easily completed with our standard products


Part Numbers Common to Both Kits




ØD	Part Numbers	Qty
4	3104 04 00	10
6	3104 06 00	10
8	3104 08 00	10




4	3106 04 00	10
6	3106 06 00	10
8	3106 08 00	10




ØD1	ØD2	Part Numbers	Qty
4	6	3166 04 06	10
6	8	3166 06 08	10




6	3102 06 00	10
8	3102 08 00	10




3000 71 00	1
------------	---



0605 12 12	1
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ØD	Part Numbers	Qty
4	3126 04 00	20
6	3126 06 00	20
8	3126 08 00	20



3000 71 00	1
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+

ADDITIONAL PART NUMBERS IN BSPP KIT

ØD	C	Part Numbers	Qty
4	G1/8	3101 04 10	20
6	M5x0.8	3101 06 19	20
6	G1/8	3101 06 10	20
6	G1/4	3101 06 13	20
8	G1/4	3101 08 13	20
4	M5x0.8	3199 04 19	10
4	G1/8	3199 04 10	10
6	M5x0.8	3199 06 19	10
6	G1/8	3199 06 10	10
6	G1/4	3199 06 13	10
8	G1/4	3199 08 13	10

ADDITIONAL PART NUMBERS IN BSPT KIT

ØD	C	Part Numbers	Qty
4	R1/8	3175 04 10	20
4	R1/4	3175 04 13	20
6	R1/8	3175 06 10	20
6	R1/4	3175 06 13	20
8	R1/4	3175 08 13	20
4	R1/8	3109 04 10	10
6	R1/8	3109 06 10	10
6	R1/4	3109 06 13	10
8	R1/8	3109 08 10	10
8	R1/4	3109 08 13	10

3150..57 Maintenance kit, BSPP Thread



3150 00 01 57UN

H L L1 Kg
81 413 330 3.221

3150..58 Maintenance kit, BSPT Thread



3150 00 01 58UN

H L L1 Kg
81 413 330 3.750

LF 3200 Push-In Fittings (3 mm)



A miniaturized and ergonomic range that maintains high mechanical characteristics.

Ø metric:
3 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
- **Working Pressure:** Vacuum to 20 bar
- **Working Temperature:** -15°C to +80°C
- **Tightening Torque (daN.m):** 0.01 to 0.1

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).

Advantages

- Optimization of equipment: weight, small dimensions
- Nickel-plated brass components for better impact and corrosion resistance
- Working pressures: from vacuum to 20 bar

Component Materials

Silicone-free



Regulations

- ISO 14743
- PED
- RoHS
- ATEX (please consult us)
- REACH

3281 Stud Fitting, Male Metric Thread

Nickel-plated brass, NBR



ØD	C		F	G	H	Kg
3	M3x0.5	3281 03 09	1.5	6	9.5	0.001
	M5x0.8	3281 03 19	1.5	8	9.5	0.002

3229 Extended Stud Elbow, Male Metric Thread

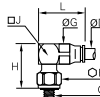
Nickel-plated brass, NBR



ØD	C		F	G	H	J	L	Kg
3	M3x0.5	3229 03 09	6	6	16	6	13.5	0.004
	M5x0.8	3229 03 19	8	6	17	6	13.5	0.005

3299 Compact Stud Elbow, Male Metric Thread

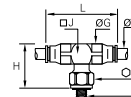
Nickel-plated brass, NBR



ØD	C		F	G	H	J	L	Kg
3	M3x0.5	3299 03 09	6	6	13.5	6	13.5	0.004
	M5x0.8	3299 03 19	8	6	13	6	13.5	0.005

3298 Stud Branch Tee, Male Metric Thread

Nickel-plated brass, NBR

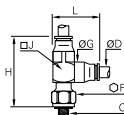


ØD	C		F	G	H	J	L	Kg
3	M3x0.5	3298 03 09	6	6	13.5	6	20.5	0.004
	M5x0.8	3298 03 19	8	6	13	6	20.5	0.005

LF 3200 Push-In Fittings (3 mm)

3293 Stud Run Tee, Male Metric Thread

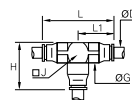
Nickel-plated brass, NBR



ØD	C		F	G	H	J	L	Kg
3	M3x0.5	3293 03 09	6	6	20	6	13.5	0.004
	M5x0.8	3293 03 19	8	6	20	6	13.5	0.005

3204 Equal Tee

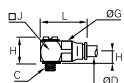
Nickel-plated brass, NBR



ØD		G	H	J	L	L1	Kg
3	3204 03 00	6	13.5	6	20.5	10.5	0.004

3218 Single Banjo, Male Metric Thread

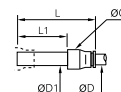
Nickel-plated brass, NBR



ØD	C		G	H	H1	J	L	Kg
3	M3x0.5	3218 03 09	6	9.5	4	6	12.5	0.002
	M5x0.8	3218 03 19	6	10.5	4.5	8	15	0.005

3266 Plug-In Reducer

Nickel-plated brass, NBR, technical polymer



ØD	ØD1		G	L	L1	Kg
3	4	3266 03 04	6	28	19	0.001

3206 Equal Tube/Tube Connector

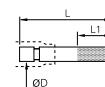
Nickel-plated brass, NBR



ØD		G	L	Kg
3	3206 03 00	6	17	0.002

3226 Blanking Plug

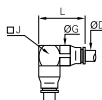
Nickel-plated brass



ØD		L	L1	Kg
3	3226 03 00	20	10	0.004

3202 Equal Elbow

Nickel-plated brass, NBR



ØD		G	J	L	Kg
3	3202 03 00	6	6	13.5	0.003

Installation Configurations



The LF 3200 fitting, connected with a 3 mm polyurethane or antistatic polyurethane tube, is the perfect solution for compact installations:

- which are highly stressed
- whose reliability is critical



LIQUIfit® Push-in Fittings / Stud Fittings



Innovative and compact connectors for the transfer of fluids and liquids.

Ø metric: 4 to 16 mm
Ø inch: 1/4" to 1/2"

Technical Characteristics

- **Compatible Fluids:** Water, beverages, CO₂ (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).

Advantages

- Bio-sourced polymer meeting food process regulations
- Compliant with FDA, NSF, DM174, WRAS, KTW, ACS standards
- Easy-to-clean external surfaces
- Free of bisphenol and phthalates

Component Materials

Silicone-free

Grey release button:
technical polymer

Body and adaptor:
bio-based polymer

Seal: EPDM

Gripping ring or collet
(6501 and 6599):
stainless steel



ECO
DESIGN

Regulations

- RoHS
- REACH
- FDA: 21 CFR
- NSF: 51
- NSF 61 - C HOT
- 1935/2004
- DM 174
- ACS
- WRAS
- KTW
- W270

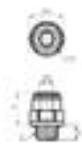
Pressure and Temperature of the Different Diameters and Related Products of the LIQUIfit® Range

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

+40°C		Pressure (bar)		+65°C		Pressure (bar)		+95°C		Pressure (bar)	
mm Ø	inch Ø	Fittings	PE Tubing	mm Ø	inch Ø	Fittings	PE Tubing	mm Ø	inch Ø	Fittings	PE Tubing
4	5/32	16	16	4	5/32	12	10	4	5/32	12	4
6	1/4	16	16	6	1/4	12	10	6	1/4	12	4
8	5/16	16	16	8	5/16	12	10	8	5/16	12	4
10	3/8	13	15	10	3/8	7	7	10	3/8	4	4
12	1/2	11	11	12	1/2	7	7	12	1/2	4	4

6501 Stud Fitting, Male BSPP Thread

POM, EPDM

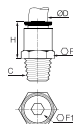


ØD	C		E	F	G	H	Kg
6	G1/8	6501 06 10WP2	6	15	18	18	0.003
	G1/4	6501 06 13WP2	8.5	18	18	15.5	0.004
8	G1/8	6501 08 10WP2	6	17	18	18.5	0.005
	G1/4	6501 08 13WP2	8.5	18	18	20	0.006
10	G3/8	6501 08 17WP2	6	21	20	17.5	0.007
	G1/4	6501 10 13WP2	8.5	19	20	22	0.007
12	G3/8	6501 10 17WP2	9	21	20	17	0.007
	G1/2	6501 10 21WP2	12.5	26	21.5	17	0.011
12	G3/8	6501 12 17WP2	9	24	21.5	25	0.011
	G1/2	6501 12 21WP2	12.5	26	21.5	20	0.012

Collet technology
NSF certified fitting only

6505 Stud Fitting, Male BSPT Thread

Bio-based polymer, EPDM

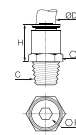


ØD	C		F	F1	H	Kg
4	R1/8	6505 04 10WP2	11	3	18	0.003
	R1/4	6505 04 13WP2	14	3	18	0.004
6	R1/8	6505 06 10WP2	11	4	18	0.002
	R1/4	6505 06 13WP2	14	4	18	0.004
8	R1/8	6505 08 10WP2	17	6	20	0.004
	R1/4	6505 08 13WP2	14	6	20	0.004
10	R3/8	6505 08 17WP2	17	6	20	0.005
	R1/4	6505 10 13WP2	17	7	21.5	0.005
12	R3/8	6505 10 17WP2	19	7	21.5	0.007
	R1/2	6505 10 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

6505 Stud Fitting, Male NPTF Thread

Inch

Bio-based polymer, EPDM



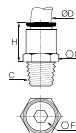
ØD	C		F	F1	H	Kg
1/4	NPT1/8	6505 56 11WP2	1/2	5/32	17	0.002
	NPT1/4	6505 56 14WP2	9/16	5/32	17	0.003
3/8	NPT1/4	6505 60 14WP2	3/4	1/4	22	0.006
	NPT3/8	6505 60 18WP2	3/4	1/4	22	0.007
1/2	NPT3/8	6505 62 18WP2	15/16	3/8	28	0.012
	NPT1/2	6505 62 22WP2	15/16	3/8	28	0.013

Thread without pre-coating

6505 Stud Fitting, Male BSPT Thread

Inch

Bio-based polymer, EPDM

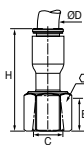


ØD	C		F	F1	H	Kg
1/4	R1/8	6505 56 10WP2	11	5	17	0.002
	R1/4	6505 56 13WP2	14	5	17	0.003
3/8	R3/8	6505 60 17WP2	19	7	22	0.006
	R1/2	6505 60 21WP2	22	7	28	0.012
1/2	R1/2	6505 62 21WP2	24	9	28	0.017

5/32" (4mm) and 5/16" (8mm) are available
Thread without pre-coating

6315 Stud Connector, Female BSPT Thread

Bio-based polymer, EPDM



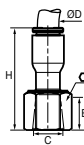
ØD	C		E	F	H	Kg
6	R1/8	6315 06 10WP2	11	13	32	0.003
	R1/4	6315 06 13WP2	14	16	33	0.004
8	R1/4	6315 08 13WP2	14	16	33.5	0.004
	R3/8	6315 08 17WP2	14	20	36	0.009

WP2 = high volumes (number of parts per bag: 40, 50 or 100, depending on the diameters).

6315 Stud Fitting, Female NPTF Thread

Inch

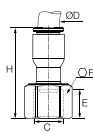
Bio-based polymer, EPDM



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

6352 Stud Fitting Flat Type, Female BSPP Thread Inch

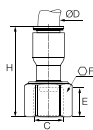
Bio-based polymer, EPDM



ØD	C		E	F	H	Kg
3/8	G3/8	6352 60 17WP2	12	22	36	0.008
	G1/2	6352 60 21WP2	12	27	36	0.011

6325 Faucet Connector, Female UNS Thread Inch

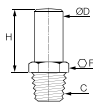
Bio-based polymer, EPDM



ØD	C		E	F	H	Kg
1/4	UNS7/16-24	6325 56 133WP2	7	9/16	31	0.002

6521 Stud Standpipe, Male BSPT Thread

Bio-based polymer

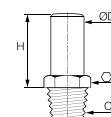


ØD	C		F	H	Kg
6	R1/8	6521 06 10WP2	13	19	0.002
	R1/4	6521 06 13WP2	14	19	0.003
	R3/8	6521 06 17WP2	17	19	0.004
8	R1/8	6521 08 10WP2	19	23	0.003
	R1/4	6521 08 13WP2	19	23	0.004
	R3/8	6521 08 17WP2	19	23	0.004
10	R1/4	6521 10 13WP2	19	25	0.004
	R3/8	6521 10 17WP2	19	25	0.005
	R1/2	6521 10 21WP2	22	25	0.008
12	R3/8	6521 12 17WP2	22	28	0.005
	R1/2	6521 12 21WP2	22	28	0.007

Thread without pre-coating.

6521 Stud Standpipe, Male NPTF Thread Inch

Bio-based polymer

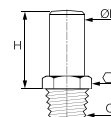


ØD	C		F	H	Kg
3/8	NPT1/4	6521 60 14WP2	3/4	25	0.004
	NPT3/8	6521 60 18WP2	3/4	25	0.004

Thread without pre-coating.

6521 Stud Standpipe, Male BSPT Thread Inch

Bio-based polymer

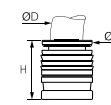


ØD	C		F	H	Kg
1/4	R1/8	6521 56 10WP2	14	19	0.002
	R1/4	6521 56 13WP2	14	19	0.002
	R3/8	6521 56 17WP2	17	19	0.004
3/8	R3/8	6521 60 17WP2	19	25	0.004

Thread without pre-coating.
5/16" (8mm) also available.

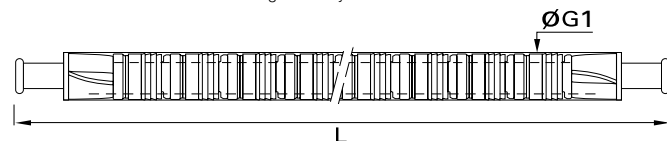
6300 LIQUIfit® Cartridge

Brass, EPDM



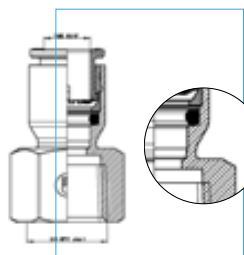
ØD		G	G1	H	L	Kg
4	6300 04 00	8	11	10	554	0.002
6	6300 06 00	10	14.5	11.5	629	0.002
8	6300 08 00	13	15	15	794	0.003
10	6300 10 00	15.5	19.5	17	930	0.005
12	6300 12 00	18.5	21	19.5	1038	0.010

50 cartridges per Carstick®
Please consult us for detailed drawings of cavity dimensions and tolerances

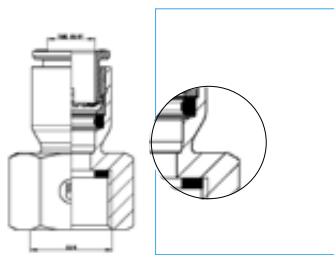


Sealing Profile for Female Thread Stud Fitting

Stud Fitting,
Female NPTF Thread
6315



Stud Fitting Flat Type,
Female BSPP Thread,
6352



6300 Carstick+ Cartridge EPDM



ØD		G	G1	H	L	kg
4	6300 04 01 24	8.1	10.3	10.4	520	0.001
6	6300 06 01 24	9.9	15.3	11.8	590	0.002

6300 Carstick+ Cartridge FKM

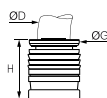


ØD		G	G1	H	L	kg
4	6300 04 01 26	8.1	10.3	10.4	520	0.001
6	6300 06 01 26	9.9	15.3	11.8	590	0.002

6300 LIQUIfit® Cartridge

Inch

Brass, EPDM

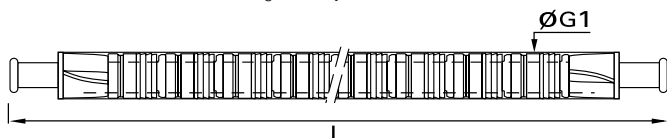


ØD		G	G1	H	L	Kg
1/4	6300 56 00	10.5	14.5	12.5	600	0.002
3/8	6300 60 00	15.5	19	17	930	0.005
1/2	6300 62 00	22	25	23	1038	0.011

50 cartridges per Carstick®

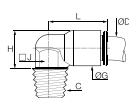
5/32" (4 mm) and 5/16" (8 mm) also available.

Please consult us for detailed drawings of cavity dimensions and tolerances



6579 Fixed Elbow, Male BSPT Thread

Bio-based polymer, EPDM



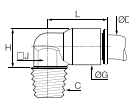
ØD	C		G	H	J	L	Kg
	R1/8	6579 06 10WP2	11	14	10	19	0.002
6	R1/4	6579 06 13WP2	11	14	10	19	0.003
	R3/8	6579 06 17WP2	11	14	10	19	0.004

Thread without pre-coating.

6579 Fixed Elbow, Male NPTF Thread

Inch

Bio-based polymer, EPDM



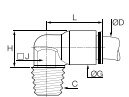
ØD	C		G	H	J	L	Kg
1/4	NPT1/8	6579 56 11WP2	11	22	38	18	0.009
	NPT1/4	6579 56 14WP2	11	26	38	18	0.003
3/8	NPT1/4	6579 60 14WP2	16	32	12	26	0.006

Thread without pre-coating.

6579 Fixed Elbow, Male BSPT Thread

Inch

Bio-based polymer, EPDM



ØD	C		G	H	J	L	Kg
1/4	R1/4	6579 56 13WP2	11	26	10	18	0.003
3/8	R3/8	6579 60 17WP2	16	32	13	26	0.006

Thread without pre-coating.

6599 Stud Elbow, Male BSPP Thread

POM, EPDM



ØD	C		E	F	G	H	Kg
6	G1/8	6599 06 10WP2	6	17	15	24.5	0.007
	G1/4	6599 06 13WP2	8.5	18	15	33	0.008
	G1/8	6599 08 10WP2	6	18	17.5	26	0.010
8	G1/4	6599 08 13WP2	8.5	18	17.5	26	0.011
	G3/8	6599 08 17WP2	9	22	17.5	26	0.012
	G1/4	6599 10 13WP2	8.5	22	20	29.5	0.015
10	G3/8	6599 10 17WP2	9	22	20	29.5	0.015
	G1/2	6599 10 21WP2	12.5	26	20	29.5	0.019
	G3/8	6599 12 17WP2	9	26	23	34.5	0.023
12	G1/2	6599 12 21WP2	12.5	26	23	34.5	0.025

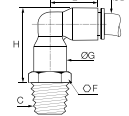
Collet technology

Thread without pre-coating; the body swivels for positioning purposes.

NSF certified fitting only

6509 Stud Elbow, Male BSPT Thread

Bio-based polymer, EPDM



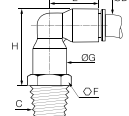
ØD	C		F	G	H	L	Kg
	R1/8	6509 06 10WP2	13	10.5	28	24	0.037
6	R1/4	6509 06 13WP2	14	10.5	28	24	0.007
	R3/8	6509 06 17WP2	17	10.5	28	24	0.008
	R1/8	6509 08 10WP2	19	13.5	34	29.5	0.010
8	R1/4	6509 08 13WP2	19	13.5	34	29.5	0.011
	R3/8	6509 08 17WP2	19	13.5	34	29.5	0.011
	R1/4	6509 10 13WP2	19	16	38	34.5	0.019
10	R3/8	6509 10 17WP2	19	16	38	34.5	0.020
	R1/2	6509 10 21WP2	22	16	38	34.5	0.023
	R3/8	6509 12 17WP2	22	19	44	40	0.022
12	R1/2	6509 12 21WP2	22	19	44	40	0.024

Thread without pre-coating; the body swivels for positioning purposes.

6509 Stud Elbow, Male NPTF Thread

Inch

Bio-based polymer, EPDM



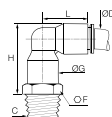
ØD	C		F	G	H	L	Kg
	NPT1/8	6509 56 11WP2	1/2	11	28	23.5	0.003
1/4	NPT1/4	6509 56 14WP2	9/16	11	28	23.5	0.004
	NPT3/8	6509 56 18WP2	3/4	11	28.5	23.5	0.006

Thread without pre-coating, the body swivels for positioning purposes.

6509 Stud Elbow, Male BSPT Thread

Inch

Bio-based polymer, EPDM



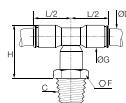
ØD	C		F	G	H	L	Kg
1/2	R1/2	6509 62 21WP2	24	22	50.5	46.5	0.027

5/16" (8 mm) also available.

Thread without pre-coating, the body swivels for positioning purposes.

6508 Branch Tee, Male BSPT Thread

Bio-based polymer, EPDM

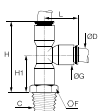


ØD	C		F	G	H	L/2	Kg
6	R1/8	6508 06 10WP2	13	10.5	28	18	0.008
	R1/4	6508 06 13WP2	14	10.5	28	18	0.009
	R3/8	6508 06 17WP2	17	10.5	28	18	0.010
8	R1/8	6508 08 10WP2	19	13.5	34	23	0.012
	R1/4	6508 08 13WP2	19	13.5	34	23	0.013
	R3/8	6508 08 17WP2	19	13.5	34	23	0.013
10	R1/4	6508 10 13WP2	19	16	38	26.5	0.018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

Thread without pre-coating, the body swivels for positioning purposes.

6503 Run Tee, Male BSPT Thread

Bio-based polymer, EPDM

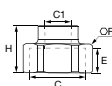


ØD	C		F	G	H	H1	L	Kg
6	R1/4	6503 06 13WP2	14	10.5	40	22	18.5	0.009
	R1/8	6503 08 10WP2	19	13.5	50	27	23	0.012
8	R1/4	6503 08 13WP2	19	13.5	50	27	23	0.013
	R3/8	6503 08 17WP2	19	13.5	50	27	23	0.013
12	R3/8	6503 12 17WP2	22	19	65.5	34.5	31	0.024
	R1/2	6503 12 21WP2	22	19	65.5	34.5	31	0.026

Thread without pre-coating, the body swivels for positioning purposes.

6355 Unequal Connector, Female BSPP Thread

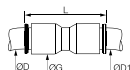
Bio-based polymer, EPDM



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

6306 Equal and Unequal Tube-to-Tube Connector

Bio-based polymer, EPDM

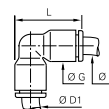


ØD	ØD1		G	L	Kg
4	4	6306 04 00WP2	8.5	26.5	0.002
	6	6306 04 06WP2	10.5	29	0.002
	8	6306 04 08WP2	13.5	37	0.005
6	6	6306 06 00WP2	10.5	30	0.004
	8	6306 06 08WP2	13.5	37	0.005
	10	6306 06 10WP2	16	42	0.007
8	8	6306 08 00WP2	13.5	37	0.004
	10	6306 08 10WP2	16	42	0.007
	12	6306 08 12WP2	19	50	0.012
10	10	6306 10 00WP2	16	42	0.009
	12	6306 10 12WP2	19	50	0.013
12	12	6306 12 00WP2	19	50.5	0.009
16	16	6306 16 00	27	60.5	0.023

6302 Equal and Unequal Union Elbow

Inch

Bio-based polymer, EPDM

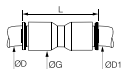


ØD	ØD1		G	L	Kg
5/16	3/8	6302 08 60WP2	16	34	0.009
	1/4	6302 56 00WP2	11	24	0.005
1/4	5/16	6302 56 08WP2	13.5	29.5	0.006
	3/8	6302 56 60WP2	16	34	0.008
3/8	3/8	6302 60 00WP2	16	34	0.006
	1/2	6302 60 62WP2	22	46.5	0.011
1/2	1/2	6302 62 00WP2	22	46.5	0.017

6306 Equal and Unequal Union Connector

Inch

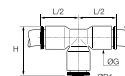
Bio-based polymer, EPDM



ØD	ØD1		G	L	Kg
5/16	3/8	6306 08 60WP2	16	42	0.008
	1/2	6306 08 62WP2	22	55	0.018
1/4	1/4	6306 56 00WP2	11	30	0.004
	3/8	6306 56 60WP2	16	41	0.007
3/8	3/8	6306 60 00WP2	16	42	0.006
	1/2	6306 60 62WP2	22	56	0.020
1/2	1/2	6306 62 00WP2	22	57	0.016

6304 Union Tee

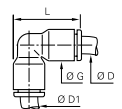
Bio-based polymer, EPDM



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
16	16	6304 16 00	27	53	39	0.037
	12	6304 16 12	27	53	39	0.063

6302 Equal and Unequal Elbow

Bio-based polymer, EPDM

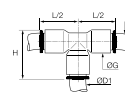


ØD	ØD1		G	L	Kg
4	4	6302 04 00WP2	8.5	19	0.002
	6	6302 04 06WP2	10.5	24	0.004
6	6	6302 06 00WP2	10.5	24	0.004
	8	6302 06 08WP2	13.5	29.5	0.006
8	8	6302 08 00WP2	13.5	29	0.004
	10	6302 08 10WP2	16	34.5	0.008
10	10	6302 10 00WP2	16	34.5	0.005
	12	6302 10 12WP2	19	40.5	0.013
12	12	6302 12 00WP2	19	40.5	0.010
16	16	6302 16 00	27	53	0.024

6304 Equal and Unequal Union Tee

Inch

Bio-based polymer, EPDM

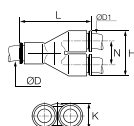


ØD	ØD1		G	H	L/2	Kg
1/4	1/4	6304 56 00WP2	11	24	18	0.002
3/8	3/8	6304 60 00WP2	16	34	26	0.009
	1/4	6304 60 56WP2	16	34	26	0.011
1/2	1/2	6304 62 00WP2	22	47	36	0.027
	3/8	6304 62 60WP2	22	47	36	0.009

5/32" (4mm) and 5/16" (8mm) also available

6340 Equal Single Y Piece

Bio-based polymer, EPDM

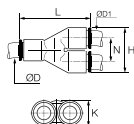


ØD	ØD1		H	K	L	N	Kg
4	4	6340 04 00WP2	17.5	8.5	30	9	0.004
6	6	6340 06 00WP2	21.5	10.5	36.5	11	0.008
8	8	6340 08 00WP2	28	13.5	44.5	14.5	0.007
10	10	6340 10 00WP2	33	16	53	17	0.010
12	12	6340 12 00WP2	39	19	60.5	20	0.025

6340 Equal Single Y Piece

Inch

Bio-based polymer, EPDM

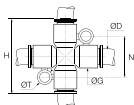


ØD	ØD1		H	K	L	N	Kg
1/4	1/4	6340 56 00WP2	22	11	36	11.5	0.010
3/8	3/8	6340 60 00WP2	33	16	53	17	0.011
1/2	1/2	6340 62 00WP2	45	22	67	23	0.028

5/32" (4 mm) and 5/16" (8 mm) also available.

6307 Equal Cross

Bio-based polymer, EPDM

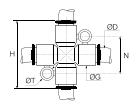


ØD		G	H	N	ØT	Kg
6	6307 06 00WP2	11	36	20	4.2	0.005
8	6307 08 00WP2	13.5	45	22.5	4.2	0.020

6307 Equal Cross

Inch

Bio-based polymer, EPDM

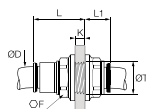


ØD		G	H	L	ØT	Kg
1/4	6307 56 00WP2	11	36	20	4.2	0.010

5/16" (8 mm) also available

6316 Equal Bulkhead Union

Bio-based polymer, EPDM

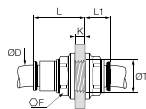


ØD		F	K max	L	L1	ØT min	Kg
4	6316 04 00WP2	13	5.5	15.5	10.5	10.5	0.018
6	6316 06 00WP2	15	8.5	20	10	12.5	0.004
8	6316 08 00WP2	18	14.5	27	10.5	15.5	0.007
10	6316 10 00WP2	22	14.5	30	13	18.5	0.012
12	6316 12 00WP2	26	18.5	35	15.5	22.5	0.020

6316 Bulkhead Union

Inch

Bio-based polymer, EPDM

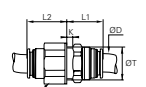


ØD		F	K max	L	L1	ØT min	Kg
1/4	6316 56 00WP2	15	8.5	20	10	12.5	0.004
3/8	6316 60 00WP2	22	14.5	29.5	12.5	18.5	0.012
1/2	6316 62 00WP2	29	20.5	40.5	17	25.5	0.030

5/32" (4mm) and 5/16" (8mm) also available

6976 Bulkhead Union

Stainless steel 316L, EPDM



ØD		F	K max	L1	L2	ØT min	Kg
16	6976 16 00	32	10.5	33	30	27.5	0.166

Electrical protection class IP55

Complementary LIQUIfit® Range Products

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

Technical Tubing and Hose

Advanced PE



Function Fittings

Non-Return Valves



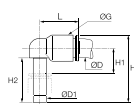
Industrial Ball Valves

LIQUIfit® Ball Valves



6382 Equal and Unequal Plug-In Elbow

Bio-based polymer, EPDM

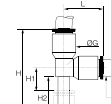


ØD	ØD1		G	H	H1	H2	L	Kg
4	4	6382 04 00WP2	8.5	23	6	15.5	15	0.003
	6	6382 04 06WP2	10.5	26.5	7	17	16.5	0.002
	6	6382 06 00WP2	10.5	26.5	7	17	17	0.003
6	4	6382 06 04WP2	10.5	25	7	15.5	17	0.001
	8	6382 06 08WP2	13.5	33.5	8	21.5	22.5	0.004
8	8	6382 08 00WP2	13.5	33.5	8	21.5	22.5	0.004
	10	6382 08 10WP2	16	39	9.5	24.5	26	0.007
10	10	6382 10 00WP2	16	39	9.5	24.5	26.5	0.004
	12	6382 10 12WP2	19	44.5	10	27	30	0.011
12	12	6382 12 00WP2	19	44.5	10	27	31	0.012

The references in diameter 4mm and 12mm are not grooved in standard version

6383 Plug-In Equal Run Tee

Bio-based polymer, EPDM

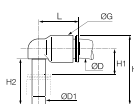


ØD	ØD1		G	H	H1	H2	L	Kg
4	4	6383 04 00WP2	8.5	33	6	15.5	15	0.002
6	6	6383 06 00WP2	10.5	38.5	7	17	18	0.002
8	8	6383 08 00WP2	13.5	49	8	21.5	23	0.005
10	10	6383 10 00WP2	16	57	10.5	25.5	26.5	0.012

6382 Equal and Unequal Plug-In Elbow

Inch

Bio-based polymer, EPDM



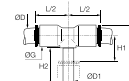
ØD	ØD1		G	H	H1	H2	L	Kg
5/16	3/8	6382 08 60WP2	16	39	10	24.5	26	0.009
1/4	1/4	6382 56 00WP2	11	30.5	11	18	18	0.002
	3/8	6382 56 60WP2	16	39	9	24.5	25.5	0.006
3/8	3/8	6382 60 00WP2	16	39	9	24.5	26.5	0.005
1/2	1/2	6382 62 00WP2	22	49	13	28.5	36	0.004

Equal plug-in elbow: 5/32" (4 mm) and 5/16" (8 mm) also available

The references in diameter 4mm and 12mm are not grooved in standard version

6388 Plug-In Equal Branch Tee

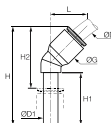
Bio-based polymer, EPDM



ØD	ØD1		G	H	H1	H2	L/2	Kg
4	4	6388 04 00WP2	8.5	25	6	15.5	15	0.005
6	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	10	6388 10 00WP2	16	41	9.5	24.5	26.5	0.007

6380 Plug-In 45° Equal Elbow

Bio-based polymer, EPDM

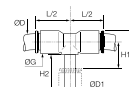


ØD	ØD1		G	H	H1	H2	L	Kg
4	4	6380 04 00WP2	8.5	33.5	19	21	13	0.001
6	6	6380 06 00WP2	11	39	21	25	14.5	0.002
8	8	6380 08 00WP2	13.5	44	21.5	25.5	19.5	0.006
10	10	6380 10 00WP2	16	53	27	32.5	23	0.004
12	12	6380 12 00WP2	19	58	27	34	26	0.012

6388 Plug-In Branch Tee

Inch

Bio-based polymer, EPDM



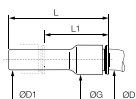
ØD	ØD1		G	H	H1	H2	L/2	Kg
1/4	1/4	6388 56 00WP2	11	30.5	11	20	18	0.002
3/8	3/8	6388 60 00WP2	16	42	12	25	25	0.008

5/32" (4 mm) and 5/16" (8 mm) also available.

For rotary applications, we recommend the use of a special grooved version, available upon request.

6366 Plug-In Reducer

Bio-based polymer, EPDM

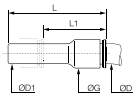


ØD	ØD1		G	L	L1	Kg
4	6	6366 04 06WP2	8.5	38	23.5	0.004
	8	6366 04 08WP2	8.5	38	19	0.004
6	8	6366 06 08WP2	10.5	38	20	0.004
	10	6366 06 10WP2	10.5	39	17.5	0.002
8	10	6366 08 10WP2	13.5	48.5	28.5	0.009
	12	6366 08 12WP2	13.5	48.5	24.5	0.004
10	12	6366 10 12WP2	16	52	33.5	0.005
	14	6366 10 14WP2	16	53	33.5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

6366 Plug-In Reducer

Inch

Bio-based polymer, EPDM

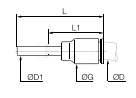


ØD	ØD1		G	L	L1	Kg
1/4	5/16	6366 56 08WP2	11	41	22.5	0.015
	3/8	6366 56 60WP2	11	41	20.5	0.002
5/16	3/8	6366 08 60WP2	13.5	48.5	29	0.003
	1/2	6366 08 62WP2	16	48.5	22	0.007
3/8	1/2	6366 60 62WP2	16	51	30	0.011

6368 Plug-In Increaser

Inch

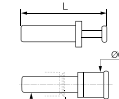
Bio-based polymer, EPDM



ØD	ØD1		G	L	L1	Kg
3/8	5/16	6368 60 08WP2	16	44	25.5	0.004

6326 Blanking Plug

Bio-based polymer

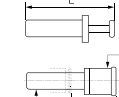


ØD		G	L	L1	Kg
4	6326 04 00WP2	6	30	15.5	0.002
6	6326 06 00WP2	8	33	16.5	0.002
8	6326 08 00WP2	10	35	17.5	0.002
10	6326 10 00WP2	12	42	21	0.003
12	6326 12 00WP2	14	45	22	0.004

6326 Blanking Plug

Inch

Bio-based polymer

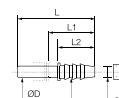


ØD		G	L	L1	Kg
1/4	6326 56 00WP2	8	36.5	22	0.002
3/8	6326 60 00WP2	11.6	42.5	22	0.002
1/2	6326 62 00WP2	14.7	48.5	21.5	0.004

5/32" (4 mm) and 5/16" (8 mm) also available

6322 Plug-In Barb Connector

Bio-based polymer

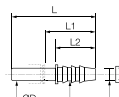


ØD	ØD1	ØD2		L	L1	L2	Kg
6	4	6	6322 06 04WP2	39	25	17	0.004
8	6	8	6322 08 06WP2	43	25	17	0.005
10	7	9	6322 10 07WP2	50	29.5	22	0.006
12	12.5	15.5	6322 12 62WP2	56	32	27.5	0.004

6322 Plug-In Barb Connector

Inch

Bio-based polymer



ØD	ØD1	ØD2		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	0.002
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

6351 End Cap

Bio-based polymer, EPDM



ØD		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

6351 End Cap

Inch

Bio-based polymer, EPDM

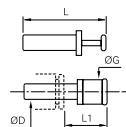


ØD		G	H	Kg
1/4	6351 56 00WP2	11	16	0.001
3/8	6351 60 00WP2	16	22.5	0.003

5/32" (4 mm) and 5/16" (8 mm) also available

6986 Blanking Plug

Stainless steel 316L



6986 16 00

Up to +150°C

LIQUIfit® Push-in Fittings with Stainless Steel Adaptor



Made of nickel-plated brass or stainless steel, the metal base reinforces the installation of the fitting.

Ø metric:
4 to 16 mm

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 +130°C (up to 10 bar) for full metal parts
-10°C to +95°C for polymer with metal adaptors

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).

Advantages

- Increased mechanical resistance to tightening
- Compliance with FDA and NSF standards in stainless steel version
- Chemical and mechanical resistance, at high temperature (up to 130°C)
- Bisphenol and phthalate-free

Regulations

- **RoHS**
- **REACH**
- **FDA:** 21 CFR
- **1935/2004**
- **DM 174**
- **ACS**
- **WRAS**
- **KTW** (stainless steel only)
- **W270** (stainless steel only)

Component Materials

Silicone-free

Body:
bio-based polymer

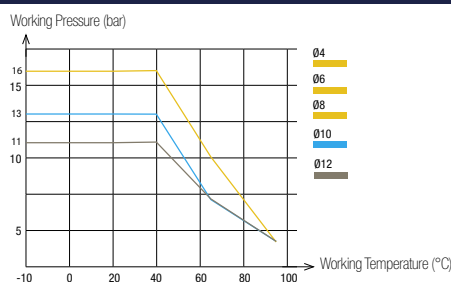
Adaptor:
stainless steel 316L or FDA chemical nickel-plated brass

Grey release button:
technical polymer

Gripping ring:
stainless steel

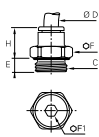
Seals: EPDM

Performance



6911 Stud Fitting, Male BSPP and Metric Thread

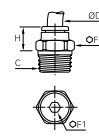
Stainless steel 316L, EPDM



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	11	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
	G3/4	6911 12 27	7.5	27	9	32.5	0.060
16	G1/2	6911 16 21	9	27	12	32.5	0.063
	G3/4	6911 16 27	7.5	32	12	32.5	0.096

6975 Stud Fitting, Male BSPT Thread

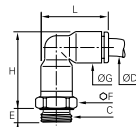
Stainless steel 316L, EPDM



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
	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
12	R1/2	6975 10 21	21	8	14	0.037
	R3/8	6975 12 17	19	9	24	0.028
16	R1/2	6975 12 21	21	10	19.5	0.036

6959 Stud Elbow, Male BSPP and Metric Thread

Bio-based polymer, stainless steel 316L, EPDM

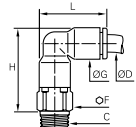


ØD	C		E	F	G	H	L	Kg
4	M5x0.8	6959 04 19	3.5	10	8.5	23	19	0.009
	G1/8	6959 04 10	4.5	13	8.5	22.5	19	0.009
	G1/4	6959 04 13	5.5	16	8.5	22.5	19	0.014
6	M5x0.8	6959 06 19	3.5	10	10.5	26.5	22.5	0.008
	G1/8	6959 06 10	4.5	13	10.5	26.5	22.5	0.011
	G1/4	6959 06 13	5.5	16	10.5	26.5	22.5	0.016
8	G1/8	6959 08 10	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	G1/4	6959 12 13	5.5	19	19	44	40	0.042
	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
16	G3/8	6959 16 17	7.5	27	27	54	52	0.088
	G1/2	6959 16 21	9	27	27	55	52	0.084
	G3/4	6959 16 27	10.5	32	27	55	52	0.120

The body swivels for positioning purposes.

6979 Stud Elbow, Male BSPT Thread

Bio-based polymer, stainless steel 316L, EPDM

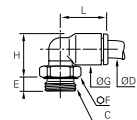


ØD	C		F	G	H	L	Kg
4	R1/8	6979 04 10	10	8.5	23	19	0.008
	R1/4	6979 04 13	14	8.5	23.5	19	0.018
6	R1/8	6979 06 10	10	10.5	27	22.5	0.010
	R1/4	6979 06 13	14	10.5	27.5	22.5	0.020
8	R1/8	6979 08 10	13	13.5	33.5	29.5	0.018
	R1/4	6979 08 13	14	13.5	32.5	29.5	0.022
	R3/8	6979 08 17	17	13.5	33	29.5	0.032
10	R1/4	6979 10 13	15	16	39.5	34	0.031
	R3/8	6979 10 17	17	16	39.5	34	0.041
12	R1/2	6979 10 21	21	16	39.5	34	0.060
	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

The body swivels for positioning purposes.

6989 Stud Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR



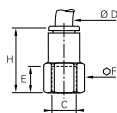
ØD	C		E	F	G	H	L	Kg
4	M5x0.8	6989 04 19	3.5	8	8.5	13.5	14	0.002
	G1/8	6989 04 10	5	13	8.5	13	14	0.006
	G1/4	6989 04 13	5.5	16	8.5	13	14	0.011
6	M5x0.8	6989 06 19	3.5	8	10.5	15.5	16	0.003
	G1/8	6989 06 10	5	13	10.5	15	16	0.006
	G1/4	6989 06 13	5.5	16	10.5	15	16	0.011
8	G1/8	6989 08 10	4.5	13	13.5	20.5	23	0.009
	G1/4	6989 08 13	5.5	16	13.5	18.5	23	0.012
	G3/8	6989 08 17	5.5	20	13.5	18.5	23	0.017
10	G1/4	6989 10 13	5.5	16	16	23.5	26.5	0.014
	G3/8	6989 10 17	5.5	20	16	22	26.5	0.017
	G1/2	6989 10 21	7	24	16	22	26.5	0.019
12	G3/8	6989 12 17	5.5	20	19	25	31	0.019
	G1/2	6989 12 21	7	24	19	25	31	0.029

The body swivels for positioning purposes.

*Bi-material seal

6974 Stud Fitting, Female BSPP Thread

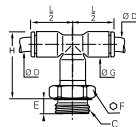
Stainless steel 316L, EPDM



ØD	C		E	F	H	Kg
16	G3/8	6974 16 17	17	27	44	0.060
	G1/2	6974 16 21	21.5	27	17	0.065
	G3/4	6974 16 27	19	32	47	0.097

6958 Stud Branch Tee, Male BSPP and Metric Thread

Bio-based polymer, stainless steel 316L, EPDM

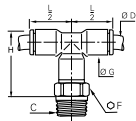


ØD	C		E	F	G	H	L/2	Kg
4	G1/8	6958 04 10	5	13	8.5	22	14	0.009
	G1/4	6958 04 13	5.5	16	8.5	22	14	0.014
6	G1/8	6958 06 10	5	13	10.5	28.5	16	0.011
	G1/4	6958 06 13	5.5	16	10.5	28.5	16	0.016
8	G1/8	6958 08 10	4.5	13	13.5	38	23	0.019
	G3/8	6958 08 17	5.5	21	13.5	36	23	0.030
10	G1/4	6958 10 13	5.5	16	16	43	26.5	0.032
	G3/8	6958 10 17	5.5	21	16	43	26.5	0.055
	G1/2	6958 10 21	7.5	24	16	43	26.5	0.051
12	G3/8	6958 12 17	5.5	21	19	45.5	31	0.042
	G1/2	6958 12 21	7	24	19	45.5	31	0.049

The body swivels for positioning purposes.

6978 Stud Branch Tee, Male BSPT Thread

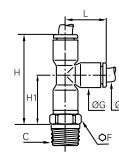
Bio-based polymer, stainless steel 316L, EPDM



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	0.011
8	R1/8	6978 08 10	13	13.5	30	23	0.020
	R1/4	6978 08 13	14	13.5	30	23	0.025
	R3/8	6978 08 17	17	13.5	30	23	0.036
10	R1/4	6978 10 13	15	16	34.5	26.5	0.033
	R3/8	6978 10 17	17	16	34.5	26.5	0.043
	R1/2	6978 10 21	21	16	34.5	26.5	0.065
12	R3/8	6978 12 17	19	19	40.5	31	0.053
	R1/2	6978 12 21	21	19	40.5	31	0.061

6973 Stud Run Tee, Male BSPT Thread

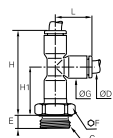
Bio-based polymer, stainless steel 316L, EPDM



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	0.011
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	0.025
	R3/8	6973 08 17	17	13.5	52	29	23	0.036
10	R1/4	6973 10 13	15	16	61	35	26.5	0.033
	R3/8	6973 10 17	17	16	61	35	26.5	0.043
	R1/2	6973 10 21	21	16	61	35	26.5	0.065
12	R3/8	6973 12 17	19	19	70	39	31	0.053
	R1/2	6973 12 21	21	19	70	39	31	0.061

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	G1/8	6953 04 10	5	13	8.5	30	18	14.5	0.009
	G1/4	6953 04 13	5.5	16	8.5	30	18	14.5	0.014
6	G1/8	6953 06 10	5	13	10.5	38	22	17.5	0.011
	G1/4	6953 06 13	5.5	16	10.5	38	22	17.5	0.016
8	G1/4	6953 08 13	5.5	16	13.5	52	29	23	0.022
	G3/8	6953 08 17	5.5	21	13.5	52	29	23	0.030
	G1/4	6953 10 13	5.5	16	16	61	35	26.5	0.032
10	G3/8	6953 10 17	5.5	21	16	61	35	26.5	0.055
	G1/2	6953 10 21	7.5	24	16	61	35	26.5	0.051
12	G3/8	6953 12 17	5.5	21	19	67	36	31	0.042
	G1/2	6953 12 21	7	24	19	67	36	31	0.049

Complementary Products for LIQUIfit® with Stainless Steel Adaptors

Technical Tubing and Hose

Advanced PE

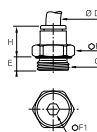
FEP

PFA



6901 Stud Fitting, Male BSPP and Metric Thread

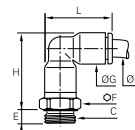
FDA chemical Nickel-plated brass, EPDM



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	11	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	G1/2	6901 12 21	7	24	10	22.5	0.035

6999 Stud Elbow, Male BSPP and Metric Thread

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

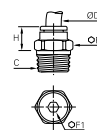


ØD	C		E	F	G	H	L	Kg
4	M5x0.8	6999 04 19	3.5	8	8.5	23	19	0.005
	G1/8	6999 04 10	4.5	13	8.5	22.5	19	0.009
	M5x0.8	6999 06 19	3.5	10	10.5	26.5	22.5	0.008
6	G1/8	6999 06 10	4.5	13	10.5	26.5	22.5	0.011
	G1/4	6999 06 13	5.5	16	10.5	26.5	22.5	0.016
	G1/8	6999 08 10	4.5	13	13.5	35	29.5	0.018
8	G1/4	6999 08 13	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

The body swivels for positioning purposes.

6905 Stud Fitting, Male BSPT Thread

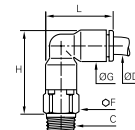
FDA chemical Nickel-plated brass, EPDM



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

6909 Stud Elbow, Male BSPT Thread

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

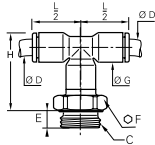


ØD	C		F	G	H	L	Kg
4	R1/8	6909 04 10	10	8.5	23	19	0.008
	R1/4	6909 04 13	14	8.5	23.5	19	0.018
6	R1/8	6909 06 10	10	10.5	27	22.5	0.010
	R1/4	6909 06 13	14	10.5	27.5	22.5	0.020
8	R1/8	6909 08 10	13	13.5	33.5	29.5	0.018
	R1/4	6909 08 13	14	13.5	32.5	29.5	0.022
10	R3/8	6909 08 17	17	13.5	33	29.5	0.032
	R1/4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

The body swivels for positioning purposes.

6998 Stud Branch Tee, Male BSPP and Metric Thread

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

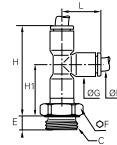


ØD	C		E	F	G	H	L/2	Kg
4	M5x0.8	6998 04 19	3.5	8	8.5	24	14	0.006
	G1/8	6998 04 10	5	13	8.5	22	14	0.009
	G1/4	6998 04 13	5.5	16	8.5	22	14	0.014
6	M5x0.8	6998 06 19	3.5	10	10.5	30	16	0.009
	G1/4	6998 06 13	5.5	16	10.5	29	16	0.016
8	G1/8	6998 08 10	4.5	13	13.5	38	23	0.019
	G1/4	6998 10 13	5.5	16	16	43	26.5	0.032
10	G3/8	6998 10 17	5.5	20	16	43	26.5	0.055
	G1/2	6998 10 21	7.5	24	16	43	26.5	0.051
12	G3/8	6998 12 17	5.5	20	19	45.5	31	0.042
	G1/2	6998 12 21	7	24	19	45.5	31	0.049

The body swivels for positioning purposes.

6993 Stud Run Tee, Male BSPP and Metric Thread

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

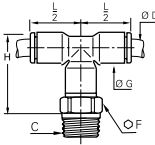


ØD	C		E	F	G	H	H1	L	Kg
4	M5x0.8	6993 04 19	3.5	8	8.5	32	19	14.5	0.006
	G1/8	6993 04 10	5	13	8.5	30	18	14.5	0.009
	G1/4	6993 04 13	5.5	16	8.5	30	18	14.5	0.014
6	M5x0.8	6993 06 19	3.5	10	10.5	39	23	17.5	0.009
	G1/4	6993 06 13	5.5	16	10.5	38	22	17.5	0.016
8	G1/8	6993 08 10	4.5	13	13.5	54	31	23	0.019
	G3/8	6993 08 17	5.5	20	13.5	52	29	23	0.030
10	G3/8	6993 10 17	5.5	20	16	61	35	26.5	0.055
	G1/2	6993 10 21	7.5	24	16	61	35	26.5	0.051
12	G3/8	6993 12 17	5.5	20	19	67	36	31	0.042
	G1/2	6993 12 21	7	24	19	67	36	31	0.049

The body swivels for positioning purposes.

6908 Stud Branch Tee, Male BSPT Thread

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

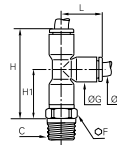


ØD	C		F	G	H	L/2	Kg
4	R1/8	6908 04 10	10	8.5	17	14	0.009
	R1/4	6908 04 13	14	8.5	17	14	0.020
6	R1/4	6908 06 13	14	10.5	23	16	0.011
	R1/8	6908 08 10	13	13.5	30	23	0.020
8	R1/4	6908 08 13	14	13.5	30	23	0.025
	R3/8	6908 08 17	17	13.5	30	23	0.036
	R1/4	6908 10 13	15	16	34.5	26.5	0.033
10	R3/8	6908 10 17	17	16	34.5	26.5	0.043
	R1/2	6908 10 21	21	16	34.5	26.5	0.065
12	R3/8	6908 12 17	19	19	40.5	31	0.053
	R1/2	6908 12 21	21	19	40.5	31	0.061

The body swivels for positioning purposes.

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	R1/4	6903 06 13	14	10.5	39	23	17.5	0.011
	R1/8	6903 08 10	13	13.5	53	30	23	0.020
8	R1/4	6903 08 13	14	13.5	52	29	23	0.025
	R3/8	6903 08 17	17	13.5	52	29	23	0.036
	R1/4	6903 10 13	15	16	61	35	26.5	0.033
10	R3/8	6903 10 17	17	16	61	35	26.5	0.043
	R1/2	6903 10 21	21	16	61	35	26.5	0.065
12	R3/8	6903 12 17	19	19	70	39	31	0.053
	R1/2	6903 12 21	21	19	70	39	31	0.061

The body swivels for positioning purposes.

LF 3600 Push-In Fittings / Stud Fittings



Made of chemical nickel-plated brass, this range of metal fittings is resistant to industrial and food fluids.

Ø metric:
4 to 14 mm

Technical Characteristics

- **Suitable Fluids:** compressed air, grease, lubricant, water...
- **Working Pressure:** vacuum to 30 bar (20 bar: 3699, 3609, 3639)
- **Working Temperature:** -25°C to +150°C

Maximum Tightening Torque (daN.m)	Threads							
	M5 x0.8	M6 x1	M8 x1	M10 x1	G1/8	G1/4	G3/8	G1/2
	0.16	0.18	0.6	0.8	0.8	1.2	3	3.5

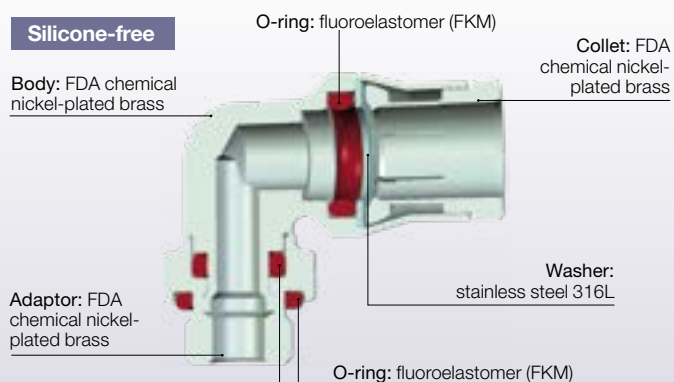
Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Wide range of working temperatures: up to +150°C
- Wide range of working pressures: from vacuum up to 30 bar
- Materials conform to FDA standards
- Extended chemical compatibility

Component Materials

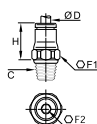


Regulations

- PED
- RoHS
- REACH

3675 Stud Fitting, Male BSPT Thread

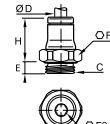
FDA chemical Nickel-plated brass, FKM



ØD	C		F1	F2	H	Kg
4	R1/8	3675 04 10	10	3	15	0.009
	R1/4	3675 04 13	14	3	15	0.017
6	R1/8	3675 06 10	13	4	17	0.011
	R1/4	3675 06 13	14	4	17	0.018
8	R1/8	3675 08 10	15	5	19	0.015
	R1/4	3675 08 13	16	6	18	0.019
10	R3/8	3675 08 17	17	6	18.5	0.027
	R1/4	3675 10 13	18	7	23	0.026
12	R3/8	3675 10 17	18	8	22.5	0.031
	R1/2	3675 10 21	22	8	22.5	0.056
14	R1/4	3675 12 13	20	7	25.5	0.033
	R3/8	3675 12 17	20	9	24	0.035
16	R1/2	3675 12 21	22	10	23	0.051
	R3/8	3675 14 17	22	9	27	0.042
18	R1/2	3675 14 21	24	11	26	0.057

3601 Stud Fitting, Male BSPP and Metric Thread

FDA chemical Nickel-plated brass, FKM

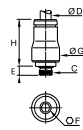


ØD	C		E	F1	F2	H	Kg
4	M5x0.8	3601 04 19	3.5	10	2.5	15.5	0.006
	M6x1	3601 04 52	4.5	10	3	16	0.006
6	M8x1	3601 04 56	5	11	3	14.5	0.007
	G1/8	3601 04 10	4.5	13	3	14.5	0.009
8	G1/4	3601 04 13	5.5	16	3	14.5	0.015
	M5x0.8	3601 06 19	3.5	13	2.5	19	0.010
10	M10x1	3601 06 60	5.5	13	4	17.5	0.011
	G1/8	3601 06 10	4.5	13	4	17.5	0.011
12	G1/4	3601 06 13	5.5	16	4	17	0.015
	G1/8	3601 08 10	4.5	16	5	21	0.014
14	G1/4	3601 08 13	5.5	16	6	18	0.016
	G3/8	3601 08 17	5.5	20	6	19	0.028
16	G1/4	3601 10 13	5.5	18	7	25	0.025
	G3/8	3601 10 17	5.5	20	8	22.5	0.028
18	G1/2	3601 10 21	7	24	8	22.5	0.043
	G1/4	3601 12 13	5.5	20	7	26.5	0.030
20	G3/8	3601 12 17	5.5	20	9	26	0.034
	G1/2	3601 12 21	7	24	10	23.5	0.042
22	G3/8	3601 14 17	5.5	22	9	28	0.038
	G1/2	3601 14 21	7	24	11	26.5	0.045

LF 3600 Push-In Fittings / Stud Fittings

3681 Stud Fitting with Internal Hexagon, Male Metric Thread

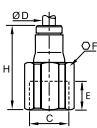
FDA chemical Nickel-plated brass, FKM



ØD	C		E	F	G	H	Kg
4	M5x0.8	3681 04 19	3.5	2.5	10	16	0.005

3614 Stud Fitting, Female BSPP and Metric Thread

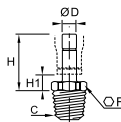
FDA chemical Nickel-plated brass, FKM



ØD	C		E	F	H	Kg
4	M5x0.8	3614 04 19	5	10	22	0.009
	G1/8	3614 04 10	7.5	14	25	0.016
	G1/4	3614 04 13	11	17	29	0.026
6	G1/8	3614 06 10	7.5	14	27.5	0.019
	G1/4	3614 06 13	11	17	31.5	0.028
8	G1/8	3614 08 10	9.5	15	28.5	0.022
	G1/4	3614 08 13	13.5	17	32.5	0.028
10	G3/8	3614 10 17	14	22	38	0.052
12	G3/8	3614 12 17	14	22	39	0.055
	G1/2	3614 12 21	18.5	24	43.5	0.062

3621 Stud Standpipe, Male BSPT Thread

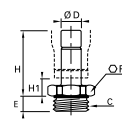
FDA chemical Nickel-plated brass



ØD	C		F	H	H1	Kg
4	R1/8	3621 04 10	10	21	7	0.006
6	R1/8	3621 06 10	10	23.5	6.5	0.008
	R1/4	3621 06 13	14	23.5	6.5	0.016
8	R1/8	3621 08 10	10	24	6.5	0.009
	R1/4	3621 08 13	14	24	6.5	0.017
10	R1/4	3621 10 13	14	22	6.5	0.018
	R3/8	3621 10 17	17	30	7.5	0.022
12	R3/8	3621 12 17	17	31	7.5	0.023
	R1/2	3621 12 21	22	31	7.5	0.041
14	R1/2	3621 14 21	22	33	8	0.042

3631 Stud Standpipe, Male BSPP and Metric Thread

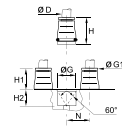
FDA chemical Nickel-plated brass, FKM



ØD	C		E	F	H	H1	Kg
4	M5x0.8	3631 04 19	3.5	13	21.5	7	0.003
	G1/8	3631 04 10	4.5	13	20	7	0.007
	G1/4	3631 04 13	5.5	8	20	7.5	0.011
6	G1/8	3631 06 10	4.5	13	22.5	6.5	0.009
	G1/4	3631 06 13	5.5	16	22.5	6.5	0.012
	G1/8	3631 08 10	4.5	13	22.5	6.5	0.010
8	G1/4	3631 08 13	5.5	16	23	6.5	0.013
	G3/8	3631 08 17	5.5	20	23	7.5	0.018
	G1/4	3631 10 13	5.5	16	28	6.5	0.015
10	G3/8	3631 10 17	5.5	20	28	7.5	0.022
	G1/2	3631 10 21	7	24	28	7.5	0.028
12	G3/8	3631 12 17	5.5	20	29	7.5	0.023
	G1/2	3631 12 21	7	24	29	7.5	0.033
14	G1/2	3631 14 21	7	24	31	8	0.033

3600 Cartridge

FDA chemical Nickel-plated brass, FKM

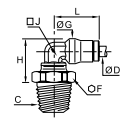


ØD		G	G1	H	H1	H2	N	Kg
4	3600 04 00	9.8	8	17	8.5	8.5	11	0.006
6	3600 06 00	12.1	10	19	10.5	8.5	13.5	0.009
8	3600 08 00	14.8	13	21	12.5	8.5	16	0.012
10	3600 10 00	17.5	15	24.5	14	10.5	20	0.019
12	3600 12 00	20	17	25	14.5	10.5	22.5	0.023
14	3600 14 00	22	20	28.5	16.5	12	25	0.031

Cavity dimension available upon request

3609 Stud Elbow, Male BSPT Thread

FDA chemical Nickel-plated brass, FKM



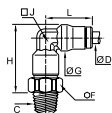
ØD	C		F	G	H	J	L	Kg
4	R1/8	3609 04 10	13	10	15	7	18	0.014
	R1/4	3609 04 13	14	10	17	7	18	0.020
6	R1/8	3609 06 10	13	12	17.5	8	21.5	0.018
	R1/4	3609 06 13	14	12	19	8	21.5	0.025
8	R1/8	3609 08 10	13	15	19.5	10	23.5	0.022
	R1/4	3609 08 13	14	15	21	10	23.5	0.029
	R3/8	3609 08 17	17	15	21	10	23.5	0.035
10	R1/4	3609 10 13	15	17.5	23.5	12	29	0.037
	R3/8	3609 10 17	17	17.5	25.5	12	29	0.043
	R1/2	3609 12 13	15	19.5	26	15	31	0.049
12	R3/8	3609 12 17	17	19.5	28.5	15	31	0.055
	R1/2	3609 12 21	21	19.5	28.5	15	31	0.072
14	R3/8	3609 14 17	19	21.5	29	16	34	0.063
	R1/2	3609 14 21	22	21.5	30	16	34	0.072

The body swivels for positioning purposes. Maxi pressure = 20 bar

LF 3600 Push-In Fittings / Stud Fittings

3629 Extended Stud Elbow, Male BSPT Thread

FDA chemical Nickel-plated brass, FKM

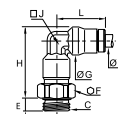


ØD	C		F	G	H	J	L	Kg
4	R1/8	3629 04 10	10	10	24.5	7	18	0.025
6	R1/8	3629 06 10	13	12	29.5	8	21.5	0.024
	R1/4	3629 06 13	14	12	30.5	8	21.5	0.031
8	R1/8	3629 08 10	14	15	32.5	10	23.5	0.031
	R1/4	3629 08 13	14	15	34	10	23.5	0.037
10	R1/4	3629 10 13	18	17.5	39	12	29	0.054

The body swivels for positioning purposes.

3669 Extended Stud Elbow, Male BSPP and Metric Thread

FDA chemical Nickel-plated brass, FKM

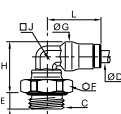


ØD	C		E	F	G	H	J	L	Kg
4	M5x0,8	3669 04 19	3,5	10	10	27,5	7	18	0,014
	G1/8	3669 04 10	4,5	13	10	25,5	7	18	0,017
6	G1/8	3669 06 10	4,5	13	12	31	8	21,5	0,024
	G1/4	3669 06 13	5,5	16	12	30,5	8	21,5	0,028
8	G1/8	3669 08 10	4,5	14	15	33,5	10	23,5	0,031
	G1/4	3669 08 13	5,5	16	15	34	10	23,5	0,035
10	G1/4	3669 10 13	5,5	18	17,5	42	12	29	0,052
	G3/8	3669 10 17	5,5	20	17,5	41	12	29	0,056
12	G1/4	3669 12 13	5,5	20	19,5	47	15	31	0,070
	G3/8	3669 12 17	5,5	20	19,5	46	15	31	0,341
14	G1/2	3669 14 21	7	24	21,5	49	16	34	0,094

The body swivels for positioning purposes.

3699 Compact Elbow, Male BSPP and Metric Thread

FDA chemical Nickel-plated brass, FKM

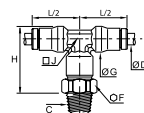


ØD	C		E	F	G	H	J	L	Kg
4	M5x0,8	3699 04 19	3,5	10	10	18	7	18	0,011
	M6x1	3699 04 52	4,5	10	10	18	7	18	0,011
	M8x1	3699 04 56	5	11	10	18	7	18	0,013
	G1/8	3699 04 10	4,5	13	10	17	7	18	0,014
	G1/4	3699 04 13	5,5	16	10	17,5	7	18	0,019
6	M10x1	3699 06 60	5,5	13	12	19	8	21,5	0,017
	G1/8	3699 06 10	4,5	13	12	19	8	21,5	0,018
	G1/4	3699 06 13	5,5	16	12	19,5	8	21,5	0,022
8	G1/8	3699 08 10	4,5	13	15	20,5	10	23,5	0,021
	G1/4	3699 08 13	5,5	16	15	21,5	10	23,5	0,027
	G3/8	3699 08 17	5,5	20	15	21,5	10	23,5	0,033
10	G1/4	3699 10 13	5,5	16	17,5	27	12	29	0,037
	G3/8	3699 10 17	5,5	20	17,5	25,5	12	29	0,043
	G1/4	3699 12 13	5,5	16	19,5	29,5	15	31	0,050
12	G3/8	3699 12 17	5,5	20	19,5	28,5	15	31	0,057
	G1/2	3699 12 21	7	24	19,5	28,5	15	31	0,065
	G3/8	3699 14 17	5,5	20	21,5	29	16	34	0,059
14	G1/2	3699 14 21	7	24	21,5	29,5	16	34	0,062

The body swivels for positioning purposes. Maxi pressure = 20 bar

3608 Stud Branch Tee, Male BSPT Thread

FDA chemical Nickel-plated brass, FKM

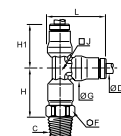


ØD	C		F	G	H	J	L/2	Kg
4	R1/8	3608 04 10	10	10	24.5	7	18	0.020
6	R1/8	3608 06 10	13	12	29.5	8	21.5	0.031
	R1/4	3608 06 13	14	12	30.5	8	21.5	0.038
8	R1/8	3608 08 10	14	15	32.5	10	23.5	0.040
	R1/4	3608 08 13	14	15	34	10	23.5	0.047
10	R1/4	3608 10 13	18	17.5	39	12	29	0.067
	R3/8	3608 10 17	18	17.5	41	12	29	0.070
12	R3/8	3608 12 17	20	19.5	46.5	15	31	0.094
14	R1/2	3608 14 21	22	21.5	50.5	16	34	0.125

The body swivels for positioning purposes.

3603 Stud Run Tee, Male BSPT Thread

FDA chemical Nickel-plated brass, FKM

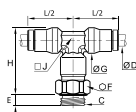


ØD	C		F	G	H	H1	J	L	Kg
4	R1/8	3603 04 10	10	10	19.5	18	7	23	0.018
6	R1/8	3603 06 10	13	12	23.5	21.5	8	28	0.031
	R1/4	3603 06 13	14	12	24.5	21.5	8	28	0.037
8	R1/8	3603 08 10	14	15	25	23.5	10	31	0.041
	R1/4	3603 08 13	14	15	26.5	23.5	10	31	0.044
10	R1/4	3603 10 13	18	17.5	30.5	29	12	37.5	0.067
	R3/8	3603 10 17	18	17.5	32.5	29	12	37.5	0.069
12	R3/8	3603 12 17	20	19.5	36.5	31	15	40.5	0.103
14	R1/2	3603 14 21	22	21.5	40	34	16	45	0.147

The body swivels for positioning purposes.

3698 Stud Branch Tee, Male BSPP and Metric Thread

FDA chemical Nickel-plated brass, FKM

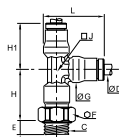


ØD	C		E	F	G	H	J	L/2	Kg
4	M5x0,8	3698 04 19	3,5	10	10	27,5	7	18	0,018
	G1/8	3698 04 10	4,5	13	10	25,5	7	18	0,021
6	G1/8	3698 06 10	4,5	13	12	31	8	21,5	0,031
	G1/4	3698 06 13	5,5	16	12	30,5	8	21,5	0,035
8	G1/8	3698 08 10	4,5	14	15	33,5	10	23,5	0,041
	G1/4	3698 08 13	5,5	16	15	34	10	23,5	0,045
10	G1/4	3698 10 13	5,5	18	17,5	42	12	29	0,066
12	G3/8	3698 12 17	5,5	20	19,5	46	15	31	0,088
14	G1/2	3698 14 21	7	24	21,5	49	16	34	0,119

The body swivels for positioning purposes.

3693 Stud Run Tee, Male BSPP and Metric Thread

FDA chemical Nickel-plated brass, FKM

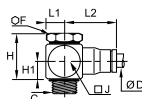


ØD	C		E	F	G	H	H1	J	L	Kg
4	M5x0,8	3693 04 19	3,5	10	10	22,5	18	7	23	0,019
	G1/8	3693 04 10	4,5	13	10	20,5	18	7	23	0,021
6	G1/8	3693 06 10	4,5	13	12	25	21,5	8	28	0,031
	G1/4	3693 06 13	5,5	16	12	24,5	21,5	8	28	0,035
8	G1/8	3693 08 10	4,5	14	15	26,5	23,5	10	31	0,041
	G1/4	3693 08 13	5,5	16	15	26,5	23,5	10	31	0,044
10	G1/4	3693 10 13	5,5	18	17,5	33	29	12	37,5	0,066
12	G3/8	3693 12 17	5,5	20	19,5	36,5	31	15	40,5	0,090
14	G1/2	3693 14 21	7	24	21,5	38,5	34	16	45	0,112

The body swivels for positioning purposes.

3618 Single Banjo, Male BSPP and Metric Thread

FDA chemical Nickel-plated brass, FKM

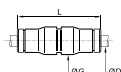


ØD	C		F	H	H1	J	L1	L2	Kg
4	M5x0,8	3618 04 19	8	13	6	10	6	18,5	0,011
	G1/8	3618 04 10	13	16,5	7	15	7,5	22	0,029
6	M5x0,8	3618 06 19	8	13	6	10	5	22,5	0,015
	G1/8	3618 06 10	13	16,5	7	15	7,5	24	0,031
8	G1/4	3618 06 13	17	21	9	18	9	24	0,049
	G1/8	3618 08 10	13	16,5	7	15	7,5	25,5	0,033
10	G1/4	3618 08 13	17	21	9	18	9	26,5	0,051
	G3/8	3618 10 17	20	24,5	11	21,5	11	33	0,105

Maximum temperature: +80°C

3606 Equal Tube-to-Tube Connector

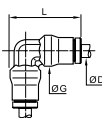
FDA chemical Nickel-plated brass, FKM



ØD		G	L	Kg
4	3606 04 00	10	30.5	0.010
6	3606 06 00	12	36.5	0.016
8	3606 08 00	15	37.5	0.021
10	3606 10 00	17.5	47.5	0.034
12	3606 12 00	19.5	50	0.042
14	3606 14 00	21.5	52.5	0.050

3602 Equal Elbow

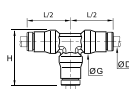
FDA chemical Nickel-plated brass, FKM



ØD		G	L	Kg
4	3602 04 00	10	23	0.010
6	3602 06 00	12	28	0.016
8	3602 08 00	15	31	0.022
10	3602 10 00	17.5	37.5	0.033
12	3602 12 00	19.5	40.5	0.045
14	3602 14 00	21.5	45	0.056

3604 Equal Tee

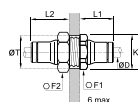
FDA chemical Nickel-plated brass, FKM



ØD		G	H	L/2	Kg
4	3604 04 00	10	23	18	0.014
6	3604 06 00	12	28	21.5	0.023
8	3604 08 00	15	31	23.5	0.032
10	3604 10 00	17.5	37.5	29	0.048
12	3604 12 00	19.5	40.5	31	0.063
14	3604 14 00	21.5	45	34	0.078

3616 Equal Bulkhead Connector

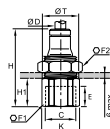
FDA chemical Nickel-plated brass, FKM



ØD		F1	F2	K	L1	L2	ØT min	Kg
4	3616 04 00	13	14	14	14	20	12.5	0.018
6	3616 06 00	16	17	17.5	17	22	15	0.028
8	3616 08 00	18	19	19.5	18.5	23.5	17	0.036
10	3616 10 00	22	27	24	21.5	26.5	21	0.063
12	3616 12 00	24	24	26	23	27	23	0.062
14	3616 14 00	27	27	29.5	25.5	29.5	25	0.079

3636 Bulkhead Connector, Female BSPP Thread

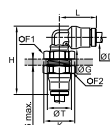
FDA chemical Nickel-plated brass, FKM



ØD	C	E	F1	F2	H	H1	K	ØT min	Kg
4	G1/8 3636 04 10	8.5	14	14	30.5	11	15	13	0.020
6	G1/8 3636 06 10	8.5	17	17	33	11	18.5	15	0.033
	G1/4 3636 06 13	11.5	17	17	37	15	18.5	15	0.033
8	G1/8 3636 08 10	8.5	19	19	34	10.5	21	17	0.044
	G1/4 3636 08 13	11.5	19	19	38	14.5	21	17	0.044
10	G3/8 3636 10 17	12	22	27	42.5	16	24	21	0.073
12	G3/8 3636 12 17	12	24	24	43	16	26	23	0.077
	G1/2 3636 12 21	16	27	24	48.5	21.5	29.5	23	0.133

3639 Equal Bulkhead Elbow

FDA chemical Nickel-plated brass, FKM



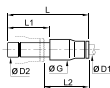
ØD		F1	F2	G	H	K	L	ØT min	Kg
4	3639 04 00	13	14	10	35	14	18	12.5	0.023
6	3639 06 00	16	17	12	40.5	17.5	21.5	15	0.035
8	3639 08 00	18	19	15	44	19.5	23.5	17	0.046
10	3639 10 00	22	27	17.5	51	24	29	21	0.080
12	3639 12 00	24	24	19.5	55	26	31	23	0.086
14	3639 14 00	27	27	21.5	59	29.5	34	25	0.144

The body swivels for positioning purposes.
Maxi pressure = 20 bar

LF 3600 Push-In Fittings / Plug-In Accessories

3666 Plug-In Reducer

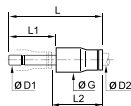
FDA chemical Nickel-plated brass, FKM



ØD1	ØD2		G	L	L1	L2	Kg
4	6	3666 04 06	10	35	19.5	18	0.008
	8	3666 04 08	10	35.5	20	18	0.009
6	8	3666 06 08	12	38	20	20.5	0.012
	10	3666 06 10	12	43.5	25	21	0.015
8	10	3666 08 10	15	44	25	21.5	0.016
	12	3666 08 12	15	44	26	20.5	0.018
10	12	3666 10 12	17.5	50	26	27	0.026
12	14	3666 12 14	19.5	53	28	28.5	0.032

3667 Plug-In Metric/Inch Adaptor

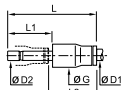
FDA chemical Nickel-plated brass, FKM



ØD1	ØD2		G	L	L1	L2	Kg
6	1/4	3667 06 56	12.5	38.5	19.5	21	0.012
10	3/8	3667 10 60	17	49.5	25	27	0.026
12	1/2	3667 12 62	20	51	26	27.5	0.030

3668 Plug-In Increaser

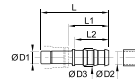
FDA chemical Nickel-plated brass, FKM



ØD1	ØD2		G	L	L1	L2	Kg
6	4	3668 06 04	12	36	17	21.5	0.010

3622 Plug-In Barb Connector

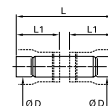
FDA chemical Nickel-plated brass



ØD1	ØD2	ØD3		L	L1	L2	Kg
4	3.2	5	3622 04 53	40.5	27	22.5	0.003
	5	7	3622 04 05	40.5	27	22.5	0.005
6	5	7	3622 06 05	43	27	22.5	0.006
	6.3	8.3	3622 08 56	42	25	22.5	0.008
8	8	10	3622 08 08	44	27	22.5	0.010
	6.3	8.3	3622 10 56	47.5	25.5	22.5	0.011
10	8	10	3622 10 08	47.5	25.5	22.5	0.011
	8	10	3622 12 08	48.5	25.5	22.5	0.015
12	10	12	3622 12 10	48.5	25.5	22.5	0.014
	12.5	14.5	3622 12 62	57	34	29.5	0.019
14	12.5	14.5	3622 14 62	57.5	33	29.5	0.022
	14	16	3622 14 14	59.5	35	29.5	0.023

3620 Male Stem Connector

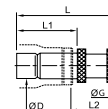
FDA chemical Nickel-plated brass



ØD		L	L1	Kg
4	3620 04 00	31	14	0.002
6	3620 06 00	36.5	17	0.005
8	3620 08 00	37.5	17.5	0.007
10	3620 10 00	47.5	22.5	0.011
12	3620 12 00	49.5	23.5	0.015
14	3620 14 00	53	25	0.016

3626 Blanking Plug

FDA chemical Nickel-plated brass



ØD		G	L	L1	L2	Kg
4	3626 04 00	6	25.5	17.5	11.5	0.004
6	3626 06 00	8	30.5	19.5	13.5	0.009
8	3626 08 00	10	33	20	16	0.009
10	3626 10 00	12	40	25	18	0.015
12	3626 12 00	14	43	26	20	0.021
14	3626 14 00	16	47	28	22.5	0.029

LF 3600 Push-In Fittings / Maintenance Kit



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The essential tool to rapidly carry out the main maintenance operations and reduce production interruptions.

Advantages

- A selection of 24 references covering the most-used products
- Products available in the most common diameters: 4 mm, 6 mm and 8 mm
- A kit contains more than 232 products and can be easily completed with our standard products

3650..33 Maintenance Kit, BSP Parallel Thread



3650 00 00 33

H	L	L1	Kg
81	413	330	2.900

Low Lead Brass LF 3600 Push-In Fittings



This range is designed for applications that require low lead content within the circuit components. These products are made to order, according to your needs and specifications. Please contact us for any project.

Ø metric:
4 to 8 mm

Technical Characteristics

- **Compatible Fluids:** drinking water and vapour
Other fluids: please consult us
- **Working Pressure:** Vacuum to 30 bar. Models 3609, 3699 and 3639 are limited to 20 bar
- **Working Temperature:** -25°C to +150°C

Maximum Tightening Torque (daN.m)	Threads		
	M5x0.8	G1/8	G1/4
	0.06	0.8	1.2

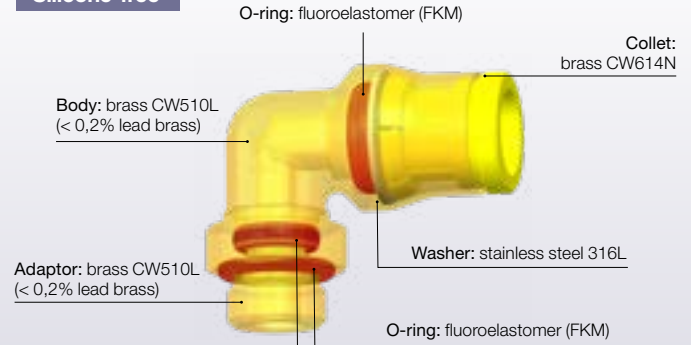
Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Dedicated to coffee machines and beverage vending machines

Component Materials

Silicone-free

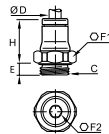


Regulations

- 1935/2004
- NSF/ANSI 169
- DM 174
- FDA : 21 CFR
- RoHS
- REACH
- EN 16889
- LFGB

3601 Stud Fitting, Male BSPP and Metric Thread

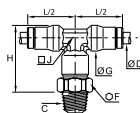
Low lead brass, FKM



ØD	C		E	F1	F2	H	Kg
4	G1/8	3601 04 10 84	5.5	13	3	14.5	0.009
	G1/4	3601 04 13 84	6.5	16	3	14.5	0.015
	M5x0.8	3601 04 19 84	3.5	10	2.5	15.5	0.006
6	G1/8	3601 06 10 84	5.5	13	4	17.5	0.011
	G1/4	3601 06 13 84	6.5	16	4	17	0.015
8	G1/8	3601 08 10 84	5.5	16	5	21	0.014

3608 Stud Branch Tee, Male BSPT Thread

Low lead brass, FKM

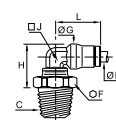


ØD	C		F	G	H	J	L/2	Kg
4	R1/8	3608 04 10 84	10	10	24.5	7	18	0.020

The body swivels for positioning purposes.

3609 Stud Elbow, Male BSPT Thread

Low lead brass, FKM

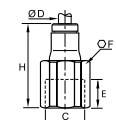


ØD	C		F	G	H	J	L	Kg
4	R1/8	3609 04 10 84	13	10	15	7	18	0.014
	R1/4	3609 04 13 84	14	10	17	7	18	0.020
6	R1/8	3609 06 10 84	13	12	17.5	8	21.5	0.018
	R1/4	3609 06 13 84	14	12	19	8	21.5	0.025

The body swivels for positioning purposes.

3614 Stud Fitting, Female BSPP Thread

Low lead brass, FKM

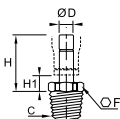


ØD	C		E	F	H	Kg
4	G1/8	3614 04 10 84	7.5	14	25	0.016
	G1/4	3614 04 13 84	11	17	29	0.026
6	G1/8	3614 06 10 84	7.5	14	27.5	0.019
	G1/4	3614 06 13 84	11	17	31.5	0.028

Low Lead Brass LF 3600 Push-In Fittings

3621 Stud Standpipe, Male BSPT Thread

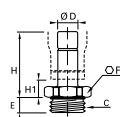
Low lead brass



ØD	C		F	H	H1	Kg
6	R1/8	3621 06 10 84	10	23.5	6.5	0.008

3631 Stud Standpipe, Male BSPP Thread

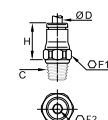
Low lead brass, FKM



ØD	C		E	F	H	H1	Kg
8	G1/8	3631 08 10 84	5.5	13	22.5	6.5	0.010

3675 Stud Fitting, Male BSPT Thread

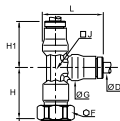
Low lead brass, FKM



ØD	C		F1	F2	H	Kg
4	R1/8	3675 04 10 84	10	3	15	0.009
	R1/4	3675 04 13 84	14	3	15	0.017
6	R1/8	3675 06 10 84	13	4	17	0.011

3693 Stud Run Tee, Male BSPP and Metric Thread

Low lead brass, FKM

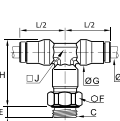


ØD	C		E	F	G	H	H1	J	L	Kg
4	G1/8	3693 04 10 84	5.5	13	10	20.5	18	7	23	0.021
6	G1/8	3693 06 10 84	5.5	13	12	25	21.5	8	28	0.031

The body swivels for positioning purposes.

3698 Stud Branch Tee, Male BSPP and Metric Thread

Low lead brass, FKM

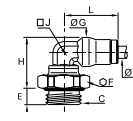


ØD	C		E	F	G	H	J	L/2	Kg
6	G1/8	3698 06 10 84	5.5	13	12	31	8	21.5	0.031

The body swivels for positioning purposes.

3699 Compact Elbow, Male BSPP and Metric Thread

Low lead brass, FKM

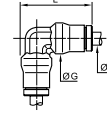


ØD	C		E	F	G	H	J	L	Kg
4	M5x0.8	3699 04 19 84	3.5	10	10	18	7	18	0.011
	G1/8	3699 04 10 84	5.5	13	10	17	7	18	0.014
	G1/4	3699 04 13 84	6.5	16	10	17.5	7	18	0.019
6	G1/8	3699 06 10 84	5.5	13	12	19	8	21.5	0.018
	G1/4	3699 06 13 84	6.5	16	12	19.5	8	21.5	0.022
8	G1/8	3699 08 10 84	5.5	13	15	20.5	10	23.5	0.021

The body swivels for positioning purposes.

3602 Equal Elbow

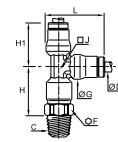
Low lead brass, FKM



ØD			G	L	Kg
4	3602 04 00 84		10	23	0.010

3603 Stud Run Tee, Male BSPT Thread

Low lead brass, FKM

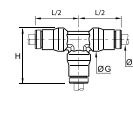


ØD	C		F	G	H	H1	J	L	Kg
4	R1/8	3603 04 10 84	10	10	19.5	18	7	23	0.018

The body swivels for positioning purposes.

3604 Equal Tee

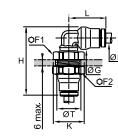
Low lead brass, FKM



ØD			G	H	L/2	Kg
4	3604 04 00 84		10	23	18	0.014
6	3604 06 00 84		12	28	21.5	0.023

3639 Equal Bulkhead Elbow

Low lead brass, FKM



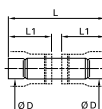
ØD			F1	F2	G	H	K	L	ØT min	Kg
4	3639 04 00 84		13	14	10	35	14	18	12.5	0.023

The body swivels for positioning purposes.

Low Lead Brass LF 3600 Push-In Fittings

3620 Male Stem Connector

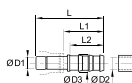
Low lead brass



ØD			L	L1	Kg
4	3620 04 00 84		31	14	0.002
6	3620 06 00 84		36.5	17	0.005

3622 Plug-In Barb Connector

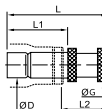
Low lead brass



ØD1	ØD2	ØD3		L	L1	L2	Kg
4	3.2	5	3622 04 53 84	40.5	27	22.5	0.003

3626 Blanking Plug

Low lead brass



ØD			G	L	L1	L2	Kg
4	3626 04 00 84		6	25.5	17.5	11.5	0.004

Related Products

- Polyurethane Tubing
- Polyamide Tubing
- Polyethylene Tubing
- Fluoropolymer Tubing
- Anti-Spark Tubing
- Fireproof PA Tubing
- Brass Flow Control Regulators

LF 3800 Push-In Fittings / Stud Fittings



Made of 316L stainless steel, this range is suitable for conveying corrosive or food fluids, in aggressive environments or for high hygiene requirements.

Ø metric: 4 to 12 mm
Ø inch: 3/16" to 1/2"

Technical Characteristics

- **Compatible Fluids:** All fluids compatible with the fitting component materials
- **Working Pressure:** Vacuum to 30 bar (20 bar: 3879 and 3889)
- **Working Temperature:** -25°C to +150°C

Adaptor Tightening Torque	Threads	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	0.16	0.8	1.2	3	3.5

Bulkhead Tightening Torque	Ø (mm)	4	6	8	10	12
	daN.m min. max.	0.5 0.9	0.5 0.9	0.6 1	0.6 1	0.6 1

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

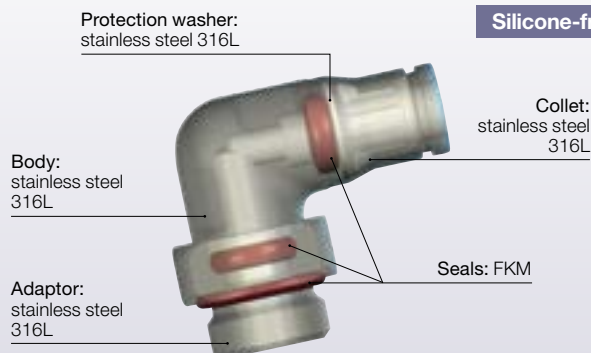
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Technical performance tested at -25°C according to the ISO 14743 standard.

Regulations

- ISO 14743
- RoHS
- REACH
- FDA : 21 CFR
- PED

Component Materials



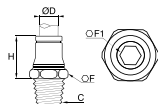
Silicone-free

Advantages

- Resistance to corrosion thanks to the component material
- Suitable for permanent food contact
- Suitable for industrial cleaning agents and detergents
- Hygienic external design, for reducing retention zones

3805 Stud Fitting, Male BSPT Thread

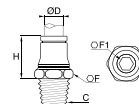
Stainless steel 316L, FKM



ØD	C		F	F1	H	Kg
4	R1/8	3805 04 10	10	3	14.5	0.008
	R1/4	3805 04 13	14	3	14.5	0.015
6	R1/8	3805 06 10	13	4	18	0.012
	R1/4	3805 06 13	14	4	16.5	0.018
8	R1/8	3805 08 10	15	5	19	0.014
	R1/4	3805 08 13	15	6	18	0.018
10	R3/8	3805 08 17	17	6	18.5	0.025
	R1/4	3805 10 13	19	6	24	0.029
12	R3/8	3805 10 17	19	6	22.5	0.030
	R1/4	3805 12 13	22	7	25	0.034
12	R3/8	3805 12 17	22	8	24	0.040
	R1/2	3805 12 21	22	10	23	0.046

3805 Stud Fitting, Male NPT Thread

Stainless steel 316L, FKM



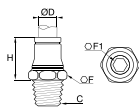
ØD	C		F	F1	H	Kg
4	NPT1/8	3805 04 11	11	3	14.5	0.009
6	NPT1/8	3805 06 11	13	4	18	0.012
	NPT1/4	3805 06 14	14	4	16.5	0.017
8	NPT1/8	3805 08 11	15	5	19	0.015
	NPT1/4	3805 08 14	15	6	18	0.018
10	NPT1/4	3805 10 14	19	6	24	0.028
	NPT3/8	3805 10 18	19	7	22.5	0.031
12	NPT1/4	3805 12 14	22	7	25	0.034
	NPT3/8	3805 12 18	22	8	24	0.039
12	NPT1/2	3805 12 22	22	10	23	0.045

LF 3800 Push-In Fittings / Stud Fittings

3805 Stud Fitting, Male NPT Thread

Inch

Stainless steel 316L, FKM

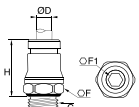


ØD	C		F	F1	H	Kg
3/16	NPT1/8	3805 55 11	10	3	15.5	0.010
1/4	NPT1/8	3805 56 11	13	4	19	0.012
	NPT1/4	3805 56 14	14	4	17.5	0.017
3/8	NPT1/4	3805 60 14	19	6	25	0.029
	NPT3/8	3805 60 18	19	7	24	0.031
1/2	NPT1/4	3805 62 14	22	7	26	0.036
	NPT3/8	3805 62 18	22	8	25	0.041
	NPT1/2	3805 62 22	22	10	25	0.049

5/32" (4 mm) and 5/16" (8 mm) also available

3801 Stud Fitting, Male BSPP and Metric Thread

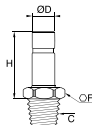
Stainless steel 316L, FKM



ØD	C		F	F1	H	Kg
4	M5x0.8	3801 04 19	10	2.5	17	0.005
	G1/8	3801 04 10	13	3	16.5	0.009
6	M5x0.8	3801 06 19	13	2.5	20.5	0.010
	G1/8	3801 06 10	13	4	18	0.010
	G1/4	3801 06 13	17	4	18	0.015
	G1/8	3801 08 10	15	5	19	0.013
8	G1/4	3801 08 13	17	5	20.5	0.017
	G3/8	3801 08 17	21	6	20	0.027
10	G1/4	3801 10 13	19	7	25	0.025
	G3/8	3801 10 17	21	7	25	0.034
12	G1/4	3801 12 13	21	7	27	0.030
	G3/8	3801 12 17	21	9	26.5	0.034

3821 Stud Standpipe, Male BSPT Thread

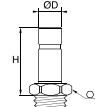
Stainless steel 316L



ØD	C		F	H	Kg
4	R1/8	3821 04 10	10	21	0.006
	R1/8	3821 06 10	10	23	0.007
6	R1/4	3821 06 13	14	24	0.015
	R1/8	3821 08 10	11	24	0.008
8	R1/4	3821 08 13	14	25	0.016
	R1/4	3821 10 13	19	30	0.017
10	R3/8	3821 10 17	19	30	0.022
	R1/4	3821 12 13	19	31	0.017
12	R3/8	3821 12 17	19	31	0.022
	R1/2	3821 12 21	22	32	0.037

3821 Stud Standpipe, Male NPT Thread

Stainless steel 316L

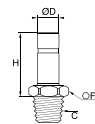


ØD	C		F	H	Kg
4	NPT1/8	3821 04 11	10	21	0.006
6	NPT1/8	3821 06 11	10	23	0.007
	NPT1/4	3821 06 14	14	24	0.016
8	NPT1/8	3821 08 11	14	24	0.008
	NPT1/4	3821 08 14	14	25	0.016
10	NPT1/4	3821 10 14	14	30	0.018
	NPT3/8	3821 10 18	17	30	0.010
12	NPT1/4	3821 12 14	14	31	0.018

3821 Stud Standpipe, Male NPT Thread

Inch

Stainless steel 316L

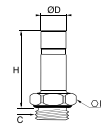


ØD	C		F	H	Kg
1/4	NPT1/8	3821 56 11	10	26	0.009
	NPT1/4	3821 56 14	14	27	0.016
3/8	NPT1/4	3821 60 14	19	32	0.018
	NPT3/8	3821 60 18	19	32	0.028
	NPT1/4	3821 62 14	19	36	0.020
	NPT3/8	3821 62 18	19	37	0.025
1/2	NPT1/2	3821 62 22	22	37	0.042

5/32" (4 mm) and 5/16" (8 mm) also available

3831 Stud Standpipe, Male BSPP and Metric Thread

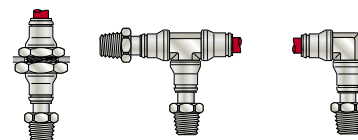
Stainless steel 316L, FKM



ØD	C		F	H	Kg
4	M5x0.8	3831 04 19	10	23.5	0.004
	G1/8	3831 04 10	13	22	0.008
6	G1/8	3831 06 10	13	24	0.009
	G1/4	3831 06 13	17	24	0.015
8	G1/8	3831 08 10	13	25	0.010
	G1/4	3831 08 13	17	27	0.019
	G3/8	3831 08 17	21	27	0.024
	G1/4	3831 10 13	17	32	0.021
10	G3/8	3831 10 17	21	32	0.025
	G1/4	3831 12 13	17	33	0.021
12	G3/8	3831 12 17	21	33	0.028
	G1/2	3831 12 21	24	36	0.043

Stud standpipe 3821 and 3831 can be used as illustrated, allowing:

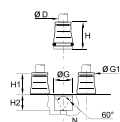
- stock optimisation
- installation of tees and elbows where required



LF 3800 Push-In Fittings / Stud Fittings

3800 Cartridge

Stainless steel 316L, FKM

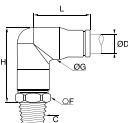


ØD		G	G1	H	H1	H2	N	Kg
4	3800 04 00	9.8	8	17	8.5	8.5	11	0.006
6	3800 06 00	12.1	10	19	10.5	8.5	13.5	0.008
8	3800 08 00	14.8	13	21	12.5	8.5	16	0.012
10	3800 10 00	17.5	15	24.5	14	10.5	20	0.019

Cavity dimensions available on request

3809 Stud Elbow, Male BSPT Thread

Stainless steel 316L, FKM

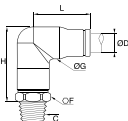


ØD	C	F	G	H	L	Kg
4	R1/8 3809 04 10	10	10	23.5	16.5	0.020
6	R1/8 3809 06 10	13	12	27.5	20	0.030
	R1/4 3809 06 13	14	12	27.5	25	0.036
8	R1/8 3809 08 10	14	15	32	25	0.040
	R1/4 3809 08 13	14	14.5	34	25	0.045
10	R1/4 3809 10 13	19	17.5	37.5	27.5	0.068
	R3/8 3809 10 17	19	17.5	37.5	27.5	0.069

The body swivels for positioning purposes.

3809 Stud Elbow, Male NPT Thread

Stainless steel 316L, FKM

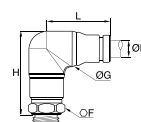


ØD	C	F	G	H	L	Kg
6	NPT1/8 3809 06 11	13	12.5	29	22.5	0.031
	NPT1/4 3809 06 14	14	12.5	29	22.5	0.036
8	NPT1/8 3809 08 11	14	15	34	24	0.040
	NPT1/4 3809 08 14	14	15	34	24	0.045
10	NPT1/4 3809 10 14	19	17.5	39.5	30	0.068
	NPT3/8 3809 10 18	19	17.5	39.5	30	0.071

The body swivels for positioning purposes.

3899 Stud Elbow, Male BSPP and Metric Thread

Stainless steel 316L, FKM

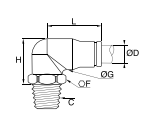


ØD	C	F	G	H	L	Kg
	M5x0.8 3899 04 19	10	10	26	18	0.020
4	G1/8 3899 04 10	13	10	27	19	0.022
	G1/4 3899 04 13	17	10	27	19	0.018
	M5x0.8 3899 06 19	13	12	33	24	0.031
6	G1/8 3899 06 10	6	12	33	24	0.031
	G1/4 3899 06 13	17	12	32	24	0.036
	G1/8 3899 08 10	14	15	35	25	0.039
8	G1/4 3899 08 13	17	15	35	25	0.044
	G3/8 3899 08 17	21	15	34.5	25	0.048
	G1/4 3899 10 13	19	17	43	31	0.069
10	G3/8 3899 10 17	21	17	42	31	0.072

The body swivels for positioning purposes.

3889 Compact Stud Elbow, Male BSPT Thread

Stainless steel 316L, FKM

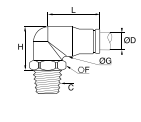


ØD	C	F	G	H	L	Kg
4	R1/8 3889 04 10	13	10	18	17	0.019
	R1/4 3889 04 13	17	10	19.5	16.5	0.018
6	R1/8 3889 06 10	13	12	21.5	20.5	0.025
	R1/4 3889 06 13	14	12	21.5	20.5	0.032
8	R1/8 3889 08 10	14	15	24	22	0.036
	R1/4 3889 08 13	14	15	24	22	0.036
10	R1/4 3889 10 13	17	17.5	28.5	27.5	0.058
	R3/8 3889 10 17	19	17.5	28.5	27.5	0.068
12	R1/4 3889 12 13	22	20	33.5	30	0.088
	R3/8 3889 12 17	22	20	33.5	30	0.090
	R1/2 3889 12 21	22	20	33.5	33	0.097

The body swivels for positioning purposes. Max. 20 bar

3889 Compact Male Stud Elbow, Male NPT Thread

Stainless steel 316L, FKM



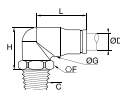
ØD	C	F	G	H	L	Kg
4	NPT1/8 3889 04 11	13	10	17.5	19	0.019
	NPT1/8 3889 06 11	13	12.5	20	22.5	0.026
6	NPT1/4 3889 06 14	14	12.5	20	22.5	0.033
	NPT1/8 3889 08 11	13	15	25	24	0.036
8	NPT1/4 3889 08 14	14	15	24	24	0.036
	NPT1/4 3889 10 14	17	17.5	27.5	27.5	0.059
10	NPT3/8 3889 10 18	19	17.5	28.5	26.5	0.068
	NPT1/4 3889 12 14	22	20	31.5	32.5	0.086
12	NPT3/8 3889 12 18	22	20	32.5	32.5	0.089
	NPT1/2 3889 12 22	22	20	27.5	32.5	0.098

The body swivels for positioning purposes. Max. 20 bar

LF 3800 Push-In Fittings / Stud Fittings

3889 Compact Stud Elbow, Male NPT Thread Inch

Stainless steel 316L, FKM

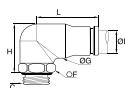


ØD	C		F	G	H	L	Kg
1/4	NPT1/8	3889 56 11	13	12	22	23	0.025
	NPT1/4	3889 56 14	14	12	22	23	0.032
3/8	NPT1/4	3889 60 14	17	17.5	28	30.5	0.058
	NPT3/8	3889 60 18	19	17.5	28	30.5	0.066
1/2	NPT1/4	3889 62 14	22	20	34	33	0.089
	NPT3/8	3889 62 18	22	20	34	33	0.089
	NPT1/2	3889 62 22	22	20	27	33	0.091

The body swivels for positioning purposes. Max. 20 bar.
5/32" (4 mm) and 5/16" (8 mm) also available.

3879 Compact Stud Elbow, Male BSPP Thread

Stainless steel 316L, FKM

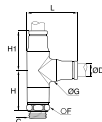


ØD	C		F	G	H	L	Kg
4	G1/8	3879 04 10	13	11	22	19	0.022
	G1/4	3879 04 13	17	11	20	19	0.027
6	G1/8	3879 06 10	13	12	24	24	0.029
	G1/4	3879 06 13	17	12	22	24	0.034
8	G1/8	3879 08 10	13	15	25	25	0.035
	G1/4	3879 08 13	17	15	25	25	0.039
	G3/8	3879 08 17	21	15	23	25	0.047
10	G1/4	3879 10 13	18	17	28.5	31	0.057
	G3/8	3879 10 17	21	17	28.5	31	0.065
12	G1/4	3879 12 13	17	20	33	33	0.077
	G3/8	3879 12 17	21	20	33	33	0.084
	G1/2	3879 12 21	24	20	30	33	0.096

The body swivels for positioning purposes. Max. 20 bar

3893 Stud Run Tee, Male BSPP and Metric Thread

Stainless steel 316L, FKM



ØD	C		F	G	H	H1	L	Kg
8	G3/8	3893 08 17	21	15	27	25	35.5	0.094

The body swivels for positioning purposes.

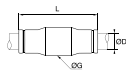
LF 3800 push-in fittings allow connection with several types of Parker tubing shown in Chapter 3 of this catalogue, "Technical Tubing and Hose":

- PFA tubing
- Fluoropolymer tubing
- Polyethylene tubing
- Semi-rigid polyamide and flexible Crystal polyurethane tubing

LF 3800 Push-In Fittings / Tube-to-Tube Fittings

3806 Equal Tube-to-Tube Connector

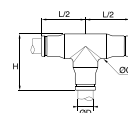
Stainless steel 316L, FKM



ØD		G	L	Kg
4	3806 04 00	10	29	0.009
6	3806 06 00	12	34	0.015
8	3806 08 00	15	36	0.019
10	3806 10 00	17.5	45	0.032
12	3806 12 00	20	46.5	0.040

3804 Equal Tee

Stainless steel 316L, FKM

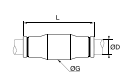


ØD		G	H	L/2	Kg
4	3804 04 00	10	22	19	0.020
6	3804 06 00	12	26	24	0.031
8	3804 08 00	15	29.5	25	0.040
10	3804 10 00	17.5	36.5	31	0.063
12	3804 12 00	20	40	33	0.087

3806 Equal Tube-to-Tube Connector

Inch

Stainless steel 316L, FKM



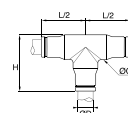
ØD		G	L	Kg
3/16	3806 55 00	11	31	0.010
1/4	3806 56 00	12	36	0.015
3/8	3806 60 00	17	47	0.030
1/2	3806 62 00	20	48	0.039

5/32" (4 mm) and 5/16" (8 mm) also available

3804 Equal Tee

Inch

Stainless steel 316L, FKM

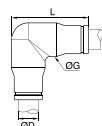


ØD		G	H	L/2	Kg
1/4	3804 56 00	12	30	23	0.031
3/8	3804 60 00	17	38	29	0.059
1/2	3804 62 00	20	43	33	0.088

5/32" (4 mm) and 5/16" (8 mm) also available

3802 Equal Elbow

Stainless steel 316L, FKM

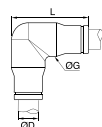


ØD		G	L	Kg
4	3802 04 00	10	21.5	0.015
6	3802 06 00	12	26.5	0.024
8	3802 08 00	15	29.5	0.031
10	3802 10 00	17.5	36.5	0.050
12	3802 12 00	20	40	0.071

3802 Equal Stud Elbow

Inch

Stainless steel 316L, FKM



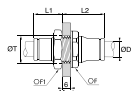
ØD		G	L	Kg
1/4	3802 56 00	12	29	0.023
3/8	3802 60 00	17	38	0.047
1/2	3802 62 00	20	43	0.071

5/32" (4 mm) and 5/16" (8 mm) also available

LF 3800 Push-In Fittings

3816 Equal Bulkhead Connector

Stainless steel 316L, FKM



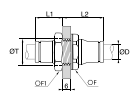
ØD		F	F1	L1	L2	ØT	Kg
4	3816 04 00	13	14	13.5	19.5	13	0.017
6	3816 06 00	17	17	16.5	21.5	14	0.027
8	3816 08 00	19	19	18	24	16	0.034
10	3816 10 00	22	22	21.5	27.5	21	0.048
12	3816 12 00	24	24	24	29	23	0.059

IP55 sealing

3816 Equal Bulkhead Connector

Inch

Stainless steel 316L, FKM



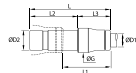
ØD		F	F1	L1	L2	ØT	Kg
3/16	3816 55 00	17	13	15	18	12.5	0.017
1/4	3816 56 00	19	17	19	21	15	0.027
3/8	3816 60 00	22	22	22	27	21	0.052
1/2	3816 62 00	27	27	25	28	25	0.076

IP55 sealing

5/32" (4 mm) and 5/16" (8 mm) also available

3866 Push-In Reducer

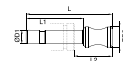
Stainless steel 316L, FKM



ØD1	ØD2		G	L	L1	L2	L3	Kg
4	6	3866 04 06	10	35	19	19	16	0.008
4	8	3866 04 08	10	34	17	20	14	0.011
6	8	3866 06 08	12	42	24	23	19	0.015
6	10	3866 06 10	12	41	19	25	16	0.019
8	10	3866 08 10	15	45	22.5	25	20	0.021
8	12	3866 08 12	15	43	20	26	17	0.025
10	12	3866 10 12	17	50	23	26	24	0.029

3826 Blanking Plug

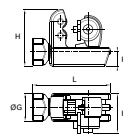
Stainless steel 316L



ØD1	ØD2		L	L1	L2	Kg
4	6	3826 04 00	25	17	11	0.003
6	8	3826 06 00	30.4	19.5	13.5	0.007
8	10	3826 08 00	33	20	14	0.014
10	12	3826 10 00	40	25	17	0.025
12	14	3826 12 00	43	26	19	0.039

3800 Pre-Grooving Tool for Metallic Tubing

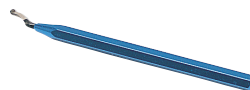
Treated steel



	G	H	H1	K	L	Kg
3800 70 00	25	51	13	36	70	0.326

This tool correctly pre-grooves 4-12 mm O.D. and 3/16"-1/2" O.D. stainless steel tubing, to ensure that the LF 3800 collet grips the tube securely.

6698 Deburring Tool for Rigid Aluminium Pipe



	L	Kg
6698 04 02	140	0.026

LF 6800 Push-In Fittings



Push-in fittings with reinforced cleanliness, for medical applications, bio-medical equipment, breathing systems, diagnosis devices, pharmaceutical process in accordance with the standards of the field of application.

Ø metric:
4 to 12 mm

Technical Characteristics

- **Compatible Fluids:** Breathing, neutral & pure medical gases. Other fluids: please consult us
- **Working Pressure:** Vacuum to 15 bar. Working pressure varies according to temperature (see below)
- **Working Temperature:** -10°C to +95°C

Tightening Torque (Metric & BSPP)	Thread	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	1.16	0.8	1.2	3	3.5

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

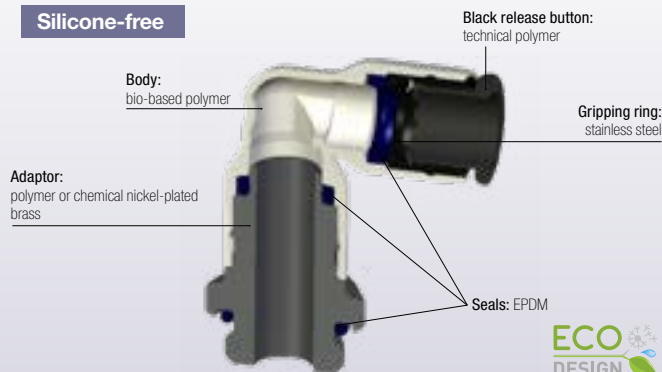
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Compatibility with ASTM standards
- Recommended for O₂ applications and pure gases
- Bisphenol and phthalate-free

Component Materials

Silicone-free



ECO
DESIGN

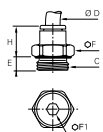
Regulations

- RoHS
- REACH

BAM: Grease certification residue

6801 Stud Fitting, Male BSPP and Metric Thread

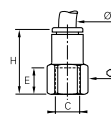
Chemical nickel-plated brass, EPDM



ØD	C		E	F	F1	H	Kg
4	M5x0.8	6801 04 19	3	8	2.5	14	0.003
	G1/8	6801 04 10	5.5	13	3	11.5	0.007
	G1/4	6801 04 13	5.5	16	3	10.5	0.011
6	M5x0.8	6801 06 19	3	10	2.5	16	0.005
	G1/8	6801 06 10	4.5	13	4	13	0.007
	G1/4	6801 06 13	5.5	16	4	12.5	0.011
8	G1/8	6801 08 10	4.5	13	5	20.5	0.011
	G1/4	6801 08 13	5.5	16	6	19.5	0.016
	G3/8	6801 08 17	5.5	20	6	18	0.022
10	G1/4	6801 10 13	5.5	16	7	23	0.018
	G3/8	6801 10 17	5.5	20	8	19.5	0.021
	G1/2	6801 10 21	7	24	8	18	0.033
12	G3/8	6801 12 17	5.5	20	9	27	0.029
	G1/2	6801 12 21	7	24	10	22.5	0.035

6814 Stud Fitting, Female BSPP Thread

Chemical nickel-plated brass, EPDM



ØD	C		E	F	H	Kg
4	G1/8	6814 04 10	9.5	13	22.5	0.010
	G1/4	6814 06 10	9.5	13	24.5	0.011
6	G1/4	6814 06 13	13.5	16	28.5	0.017
	G1/8	6814 08 10	9.5	13	29	0.015
8	G1/4	6814 08 13	13.5	16	33	0.021
	G3/8	6814 08 17	14	19	34	0.025
10	G1/4	6814 10 13	13.5	16	36	0.027
	G3/8	6814 10 17	14	19	36	0.027
12	G1/2	6814 10 21	19.5	24	41.5	0.048
	G3/8	6814 12 17	14	19	40	0.033
	G1/2	6814 12 21	19.5	24	45.5	0.052

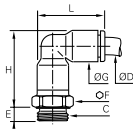
Applications Overview for Medical and Clean Room Environments



LF 6800 Push-In Fittings

6899 Stud Elbow, Male BSPP and Metric Thread

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

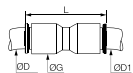


ØD	C		E	F	G	H	L	Kg
4	M5x0.8	6899 04 19	3.5	8	8.5	23	19	0.002
	G1/8	6899 04 10	4.5	13	8.5	22.5	19	0.006
	G1/4	6899 04 13	5.5	16	8.5	22.5	19	0.011
6	M5x0.8	6899 06 19	3.5	10	10.5	26.5	22.5	0.003
	G1/8	6899 06 10	4.5	13	10.5	26.5	22.5	0.006
	G1/4	6899 06 13	5.5	16	10.5	26.5	22.5	0.011
8	G1/8	6899 08 10	4.5	13	13.5	35	29.5	0.009
	G1/4	6899 08 13	5.5	16	13.5	33	29.5	0.012

The body swivels for positioning purposes.

6806 Equal Tube-to-Tube Connector

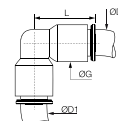
Bio-based polymer, EPDM



ØD	ØD1		G	L	Kg
4	4	6806 04 00	8.5	26.5	0.002
6	6	6806 06 00	10.5	30	0.004
8	8	6806 08 00	13.5	37	0.004
10	10	6806 10 00	16	42	0.009
12	12	6806 12 00	19	50.5	0.009

6802 Equal Elbow

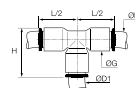
Bio-based polymer, EPDM



ØD	ØD1		G	L	Kg
4	4	6802 04 00	8.5	19	0.002
6	6	6802 06 00	10.5	24	0.004
8	8	6802 08 00	13.5	29	0.004
10	10	6802 10 00	16	34.5	0.005
12	12	6802 12 00	19	40.5	0.010

6804 Equal Tee

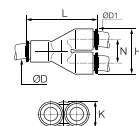
Bio-based polymer, EPDM



ØD	ØD1		G	H	L/2	Kg
4	4	6804 04 00	8.5	20	15.5	0.004
6	6	6804 06 00	10.5	23	18	0.006
8	8	6804 08 00	13.5	29	22.5	0.006
10	10	6804 10 00	16	34.5	26.5	0.009
12	12	6804 12 00	19	40	31	0.014

6840 Equal Single Y Piece

Bio-based polymer, EPDM



ØD	ØD1		H	K	L	N	Kg
4	4	6840 04 00	17.5	8.5	30	9	0.004
6	6	6840 06 00	21.5	10.5	36.5	11	0.008
8	8	6840 08 00	28	13.5	44.5	14.5	0.007
10	10	6840 10 00	33	16	53	17	0.010
12	12	6840 12 00	39	19	60.5	20	0.025

Complementary Products for LF 6800 Push-In Fittings

PU & PFA Tubing



Universal Customised Series Ball Valves, O₂ Applications



With Suffix 30

Cartridges for O₂ Applications



Upon Request Only

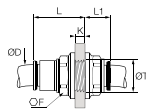
Function Fittings for O₂ Applications



Upon Request Only

6816 Equal Bulkhead Connector

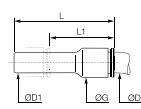
Bio-based polymer, EPDM



ØD		F	K max	L	L1	ØT min	Kg
4	6816 04 00	13	5.5	15.5	10.5	10.5	0.018
6	6816 06 00	15	8.5	20	10	12.5	0.004
8	6816 08 00	18	14.5	27	10.5	15.5	0.007
10	6816 10 00	22	14.5	30	13	18.5	0.012
12	6816 12 00	26	18.5	35	15.5	22.5	0.020

6866 Plug-In Reducer

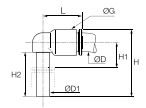
Bio-based polymer, EPDM



ØD	ØD1		G	L	L1	Kg
4	6	6866 04 06	8.5	38	23.5	0.004
6	8	6866 06 08	10.5	38	20	0.004
	10	6866 06 10	10.5	39	17.5	0.002
8	10	6866 08 10	13.5	48.5	28.5	0.009
	12	6866 08 12	13.5	48.5	24.5	0.004

6882 Equal and Unequal Plug-In Elbow

Bio-based polymer, EPDM

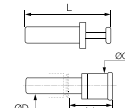


ØD	ØD1		G	H	H1	H2	L	Kg
4	4	6882 04 00	8.5	23	6	15.5	15	0.005
	6	6882 04 06	10.5	26.5	7	17	16.5	0.002
6	6	6882 06 00	10.5	26.5	7	17	17	0.003
	8	6882 06 08	13.5	33.5	8	21.5	22.5	0.004
8	8	6882 08 00	13.5	33.5	8	21.5	22.5	0.004

The reference in diameter 4mm is not grooved in standard version

6826 Blanking Plug

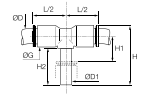
Bio-based polymer



ØD		G	L	L1	Kg
4	6826 04 00	6	30	15.5	0.001
6	6826 06 00	8	33	16.5	0.001
8	6826 08 00	10	35	17.5	0.002
10	6826 10 00	12	42	21	0.003
12	6826 12 00	14	45	22	0.004

6888 Plug-In Equal Branch Tee

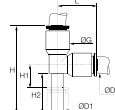
Bio-based polymer, EPDM



ØD	ØD1		G	H	H1	H2	L/2	Kg
4	4	6888 04 00	8.5	25	6	15.5	15	0.005
6	6	6888 06 00	10.5	28.5	7	17	16	0.006
8	8	6888 08 00	13.5	33.5	8	21.5	23	0.005

6883 Plug-In Equal Run Tee

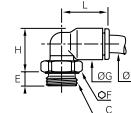
Bio-based polymer, EPDM



ØD	ØD1		G	H	H1	H2	L	Kg
4	4	6883 04 00	8.5	33	6	15.5	15	0.002
6	6	6883 06 00	10.5	38.5	7	17	18	0.002
8	8	6883 08 00	13.5	49	8	21.5	23	0.005

6819 Stud Elbow, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	G	H	L	Kg
4	M5x0.8	6819 04 19	3.5	8	8.5	13.5	14	0.002
	G1/8	6819 04 10	5	13	8.5	13	14	0.006
	G1/4	6819 04 13	5.5	16	8.5	13	14	0.011
	M5x0.8	6819 06 19	3.5	8	10.5	15.5	16	0.003
6	G1/8	6819 06 10	5	13	10.5	15	16	0.006
	G1/4	6819 06 13	5.5	16	10.5	15	16	0.011
	G1/8	6819 08 10	4.5	13	13.5	20.5	23	0.009
8	G1/4	6819 08 13	5.5	16	13.5	18.5	23	0.012
10	G1/4	6819 10 13	5.5	16	16	23.5	26.5	0.014

The body swivels for positioning purposes.

*Bi-material seal

LF 6100 Push-In Fittings



Dedicated to lubrication and vacuum systems, this technology secures the connection and sealing performance at high pressures.

Ø metric:
4 to 10 mm

Technical Characteristics

- **Compatible Fluids:** Lubricants, compressed air, vacuum, other fluids and compatible gases
- **Working Pressure:** Vacuum to 60 bar
- **Working Temperature:** -40°C to +120°C

Max./Min. Tightening Torques (daN.m)	Thread	M6 x1	M8 x1	M8 x1.25	M10 x1	M12 x1	M14 x1.5	R 1/8	R 1/4
	Taper	0.2/0.6	0.2/1.2	0.2/1	0.2/1.2	0.2/2	0.5/1.5	0.2/1.0	0.5/1.5
	Parallel	-	0.6/1	-	0.6/1	1.8/2.2	-	-	-

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

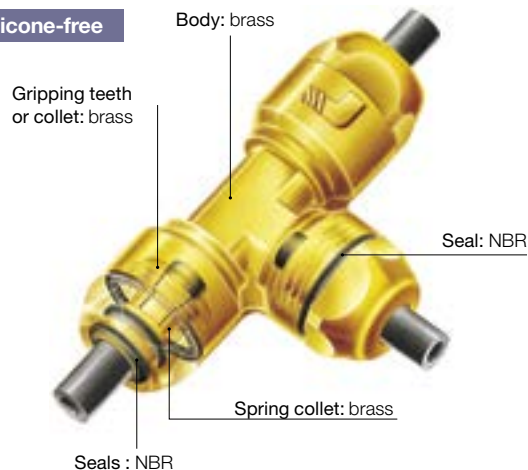
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Sealing guaranteed by 3 seals
- Tube cannot be disconnected without the use of a spanner
- Up to 60 bar, with rigid polymer or grooved metal tubing

Component Materials

Silicone-free

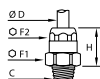


Regulations

- PED
- RoHS
- REACH

6105 Stud Fitting, Male BSPT and Taper Metric Thread

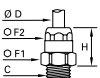
Brass, NBR



ØD	C		F1	F2	H	Kg
4	M6x1	6105 04 52	13	11	16.5	0.013
	M8x1	6105 04 56	13	11	14.5	0.012
	M8x1.25	6105 04 57	13	11	14.5	0.012
	M10x1	6105 04 60	13	11	14.5	0.015
	R1/8	6105 04 10	13	11	14.5	0.014
	R1/4	6105 04 13	14	11	12.5	0.018
6	M10x1	6105 06 60	17	14	16.5	0.024
	R1/8	6105 06 10	17	14	17.5	0.026
	R1/4	6105 06 13	17	14	16.5	0.029
8	M12x1	6105 08 65	19	21	24	0.041
10	M14x1.5	6105 10 71	22	24	26	0.005

6101 Stud Fitting, Male Parallel and Metric Thread

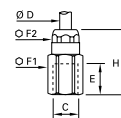
Brass, NBR



ØD	C		F1	F2	H	Kg
4	M10x1	6101 04 60	13	11	14	0.014
6	M10x1	6101 06 60	17	14	17.5	0.026
	M12x1	6101 06 65	17	14	16.5	0.025

6114 Stud Fitting, Female Metric Parallel Thread

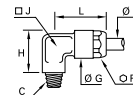
Brass, NBR



ØD	C		E	F1	F2	H	Kg
4	M8x1	6114 04 56	8	13	11	25.5	0.021
6	M8x1	6114 06 56	8	17	14	28.5	0.043

6179 Stud Elbow, Male BSPT and Taper Metric Thread

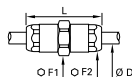
Brass, NBR



ØD	C		F	G	H	J	L	Kg
4	M6x1	6179 04 52	11	12.5	14.5	8	20	0.017
	M8x1	6179 04 56	11	12.5	14.5	8	20	0.018
	M8x1.25	6179 04 57	11	12.5	15	8	20	0.017
	M10x1	6179 04 60	11	12.5	15.5	8	20	0.019
	R1/8	6179 04 10	11	12.5	15	8	20	0.019
	R1/4	6179 04 13	11	12.5	17	10	20	0.030
6	M10x1	6179 06 60	14	16	18	10	25.5	0.033
	M12x1	6179 06 65	14	16	18	10	25.5	0.032
	R1/8	6179 06 10	14	16	18	10	25.5	0.035
	R1/4	6179 06 13	14	16	19	10	25.5	0.036
8	M12x1	6179 08 65	17	19	17.5	12	30	0.054

6106 Tube-to-Tube Connector

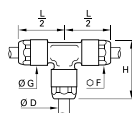
Brass, NBR



ØD		F1	F2	L	Kg
4	6106 04 00	13	11	34	0.025
6	6106 06 00	17	14	39	0.044
8	6106 08 00	19	17	46	0.069

6104 Equal Tee

Brass, NBR



ØD		F	G	H	L/2	Kg
4	6104 04 00	11	12.5	26.5	20	0.034
6	6104 06 00	14	16	36	25.5	0.081
8	6104 08 00	17	19	39	30	0.111

0138 Copper Washer

Copper



C		G1	G2	K	Kg
M6	0138 06 00	6.2	9.9	1	0.033
M8	0138 08 00	8.2	11.4	1	0.001
G1/8	0138 10 00	10.2	13.4	1	0.001
M12	0138 12 00	12.2	15.4	1.5	0.001
M14	0138 14 00	14.2	17.9	1.5	0.001
M16	0138 16 00	16.2	19.9	1.5	0.001
M18	0138 18 00	18.2	21.9	1.5	0.001
M20	0138 20 00	20.2	23.9	1.5	0.001
M22	0138 22 00	22.2	26.9	1.5	0.002
M24	0138 24 00	24.3	28.9	2	0.003
M26	0138 26 00	26.3	30.9	2	0.003
M30	0138 30 00	30.3	37.9	2	0.004
M36	0138 36 00	36.3	41.9	2	0.005
G1/4	0138 13 00	13.2	17.9	1.5	0.001
G3/8	0138 17 00	17.2	20.9	1.5	0.001
G1/2	0138 21 00	21.1	25.9	1.5	0.002
G3/4	0138 27 00	27.3	31.9	2	0.003
G1	0138 33 00	33.3	38.9	2	0.005
G1 1/4	0138 42 00	42.3	48.9	2	0.007
G2	0138 60 00	60.5	67.8	2.5	0.014

DIN 7603
ISO 65061

Accessories for Push-In Fittings



These accessories are designed to improve safety and circuit identification.

Ø metric: 4 to 16 mm
Ø inch: 1/4" to 1/2"

Technical Characteristics

- **Compatible Ranges:** LF 3000®, LIQUIfit®
- **Working Temperature:** -20°C to +95°C
- **Component Materials:** Tamper-proof safety clip, release button cover, clip: technical polymer

Advantages

Safety:

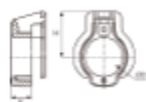
- Protection of operators and equipment
- Prevents accidental disconnection

Identification:

- 6 colour coding for fluid circuit identification
- Easy disconnection with dismantling tool

3130 Tamper-Proof Safety Clip

Technical polymer



ØD							H	K	Kg
4		3130 04 02	3130 04 03	3130 04 04	3130 04 05		6.6	3	0.001
6	3130 06 01		3130 06 03	3130 06 04	3130 06 05	3130 06 10	7.8	3.1	0.001
8	3130 08 01	3130 08 02	3130 08 03	3130 08 04	3130 08 05	3130 08 10	9.5	4.3	0.001
10	3130 10 01	3130 10 02	3130 10 03	3130 10 04	3130 10 05	3130 10 10	10.8	4.2	0.002
12	3130 12 01		3130 12 03	3130 12 04	3130 12 05	3130 12 10	12.5	5.1	0.003
14	3130 14 01		3130 14 03				15	6	0.004
16			3130 16 03				27	1.7	0.004
1/4	3130 56 01		3130 56 03	3130 56 04		3130 56 10	8	3	0.001
3/8	3130 60 01						11	4	0.001
1/2			3130 62 03	3130 62 04			14	6	0.004

Installation Process

Tamper-Proof Safety Clip



1. Assemble the clip



2. Connect the tube



3. Cut the clip with pliers



4. Remove the clip



5. Release the tube

Coloured Release Button Covers

Coloured release button covers can be mounted on LF 3000® and LIQUIfit® fittings, supplied fitted with manual release buttons.

5 colours are available and allows colour coding to be used throughout circuits.



Disconnection Tool

In cases where access is difficult, this tool can be particularly useful.



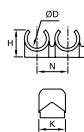
Clip Strips

Clips are also designed to fix LF 3000® fittings in series within a minimum of space.



CLIP Clip Strip for Tubing and Fittings

Technical polymer



ØD		Number of Outlets	H	K	N	Kg
4	CLIP 04 00	8	9	13.5	10.5	0.007
6	CLIP 06 00	8	10.5	13	10.5	0.008
8	CLIP 08 00	7	12.5	10.5	12	0.007
10	CLIP 10 00	6	14	12	15	0.005
12	CLIP 12 00	5	16.5	14	16.5	0.009
14	CLIP 14 00	4	18	16	20.5	0.009

Delivered in boxes of 10 strips of the same diameter (complete with self-tapping screws of 9,5 mm length) These clips can be used with metric or inch tubing.

3000 70 Disconnection Tool

Treated steel



	H	H1	L	Kg
3000 70 00	25	20	96	0.021

For disconnecting LF 3000® tubing/fittings where access is difficult, we recommend the use of this disconnection tool.

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		0.002
1/4		3110 56 02	3110 56 03	3110 56 04		0.001
3/8	3110 60 00			3110 60 04	3110 60 05	0.001

0605 Fluoropolymer Tape

FKM



Kg

0605 12 12	0.012
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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.

Flow Control Regulators

Blocking Fittings

Piloted Non-Return Valves

Metal Quick Exhaust Valves

Non-Return Valves

LIQUIfit® Non-Return Valves

Soft Start Fittings

Pressure Regulators

Pneumatic Sensor Fittings

Snap Fittings






Manually-Operated Valves

Silencers



FUNCTION FITTINGS





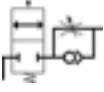






	Materials	Fluids	Maximum Pressure (bar)	Temperature		Performance in Aggressive Environments		Page
				Min.	Max.	Mechanical	Chemical	
Function Fittings								
<div>Polymer Flow Control Regulators</div> <div></div>	Technical polymer/nickel-plated brass/NBR	Compressed air	10	0°C	+70°C	Good	Moderate	92
<div>Metal Flow Control Regulators, Brass</div> <div></div>	Treated brass/nickel-plated brass/NBR	Compressed air	10	-25°C	+70°C	Excellent	Moderate	96
<div>Metal Flow Control Regulators, Stainless Steel</div> <div></div>	Stainless steel 316L/FKM	Compressed air	40	-15°C	+120°C	Excellent	Excellent	99
<div>Blocking Fittings</div> <div></div>	Nickel-plated brass/NBR	Compressed air	10	-20°C	+70°C	Excellent	Good	111
<div>Piloted Non-Return Valves</div> <div></div>	Technical polymer/nickel-plated brass/NBR	Compressed air	10	-5°C	+60°C	Good	Moderate	113
<div>Metal Quick Exhaust Valves</div> <div></div>	Nickel-plated brass, aluminium, stainless steel/PU-FKM	Compressed air	10	-20°C	+70°C	Excellent	Excellent	115
<div>Polymer Non-Return Valves</div> <div></div>	Technical polymer/nickel-plated brass/NBR	Compressed air	10	0°C	+70°C	Good	Moderate	117
<div>Adjustable Non-Return Valves</div> <div></div>	FDA chemical plated brass/NBR-FKM	Compressed air	12	-20°C	+80°C	Excellent	Excellent	119
<div>LIQUIfit® Non-Return Valves</div> <div></div>	POM/EPDM	Compressed air, drinkable water, treated water, beverages	10	0°C	+65°C	Good	Moderate	121
<div>Stainless Steel Non-Return Valves</div> <div></div>	Stainless steel/FKM	Many fluids	40	-20°C	+180°C	Excellent	Excellent	122
<div>Soft Start Fittings</div> <div></div>	Polymer nickel-plated brass/NBR	Compressed air	10	-15°C	+60°C	Good	Good	123
<div>Pressure Regulators</div> <div></div>	Polymer nickel-plated brass/NBR	Compressed air	10	-5°C	+60°C	Good	Good	125

	Materials	Fluids	Maximum Pressure (bar)	Temperature		Performance in Aggressive Environments		Page
				Min.	Max.	Mechanical	Chemical	
Pneumatic Sensor Fittings 	Polymer, treated brass, NBR	Compressed air	8	-15°C	+60°C	Good	Good	127
Snap Fittings 	Polymer, nickel-plated brass, NBR	Compressed air	10	-20°C	+80°C	Excellent	Good	129
Manually-Operated Valves Manual Switch-Operated Valves 	Polymer, nickel-plated brass, NBR	Compressed air	10	-10°C	+80°C	Excellent	Good	131
Manually-Operated Valves Sleeve Valves 	Nickel-plated brass, aluminium, NBR	Compressed air	16	-5°C	+70°C	Excellent	Good	131
Silencers 	Polymer, sintered bronze, nickel-plated brass, stainless steel 316L	Compressed air	12	-20°C	+180°C	Good	Moderate	133

Selecting your Function Fitting

Protect Your System	Blocking Fittings	Maintain the load following an emergency stop of a pneumatic system.	Models 7880 - 7881 - 7883 - 7885 7886
	Soft Start Fittings	Increase the pressure gradually in order to protect it from potentially damaging shock when a pneumatic system is restarted.	Models 7860 - 7861 - 7870 - 7871
	Non-Return Valves	Allow compressed air or fluids to flow in one direction, and prevent it from flowing in the other. If the supply is accidentally shut off, the air can only escape in one direction.	Models 4890 - 4891 - 4892 - 4895 7930 - 7931 - 7932 - 7984 7985 - 7992 - 7994 - 7995 7996
	Piloted Non-Return Valves	Incorporate 3 functions into one product to protect your system: piloted non-return valve, flow control regulator and manual vent.	Models 7892 - 7894
Detect End of Cylinder Rod Stroke	Pneumatic Sensor Fittings	Detect the back pressure drop at the end of stroke to produce a signal (pneumatic or electronic) to allow reciprocation.	Models 7818 - 7828
Control and Improve the Performance of Your System	Pressure Regulators	Regulate and stabilise the pressure at a maximum determined value whatever the upstream pressure.	Models 7300
	Quick Exhaust Valves	Increase the return speed of the cylinder by discharging the exhaust directly to atmosphere.	Models 7899 - 7970 - 7971
	Silencers	Reduce the noise levels whilst air is vented from a compressed air system.	Models 0670 - 0671 - 0672 - 0673 0674 - 0675 - 0676 - 0677
Working on Your System	Snap Fittings	Allow a circuit to be isolated without fully venting the system.	Models 7921 - 7926 - 7960 - 7961
	Manually-Operated Valves	Allow for repeated venting by simply moving the valve sleeve or the manually-operated valve lever.	Models 0669 - 7800 - 7801 - 7802

Symbols for Function Fittings

Regulating air flow		Regulating pressure by stabilising at a required value	
Blocking air circulation		Reducing pressure supply	
Blocking and regulating air flow		Progressive pressurising of circuits	
Controlling allows the passage of fluid in one direction and prevents it in the other		Isolating a circuit without venting the entire system	
Exhausting system and controlling pneumatic circuit supply		Regulating, blocking and venting to protect the system and individuals	
Detecting pressure drop			

Selecting Your Flow Control Regulator

The comprehensive range of Parker Legris Flow Control Regulators provides a solution for all flow regulation functions in a pneumatic system.

Select the model suited to your application according to:

5 Key Requirements

1.	Condition of Use	Standard applications	Technical polymer models
		Severe applications	Metal models
2.	Connection Options	On cylinder or threaded control valve	Models with BSPP, BSPT and metric threads Models with NPT threads on request
		On cylinder or control valve with push-in connection	Plug-in models
3.	Dimensions	Standard applications require full flow rate performance and compact overall dimensions	Compact models
		Small diameter cylinders require precise and accurate adjustment and minimum size	Miniature models
4.	Type of Adjustment	Precise adjustment with locking nut ensuring the setting remains fixed	Models with external adjustment
		Precise adjustment with screwdriver and protection against unwanted adjustment	Models with recessed adjustment
5.	Installation Configuration	Standard applications	Banjo models
		Tube output that can be positioned through 180° and swivels with the tube movement	Models with swivel outlet
		Cylinder where access is difficult or where another function fitting is installed in the cylinder port	In-line models

Flow Control Regulators



Available with technical polymer, nickel-plated brass or aluminium bodies, with external or recessed adjustment screws, Flow Control Regulators offer precise adjustment, accuracy and compactness.

Ø metric:
3 to 14 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
Other fluids: contact us
- **Working Pressure:** 1 to 10 bar
- **Working Temperature:** 0°C to +70°C
-25°C to +70°C (metal version)

Max. Tightening Torques (external adjustment screw)	Threads	M3 x0.5	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	0.06	0.16	0.8	1.2	3	3.5
Max. Tightening Torques (recessed adjustment screw)	Threads	-	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	-	0.1	0.4	0.5	0.6	0.7

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

Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

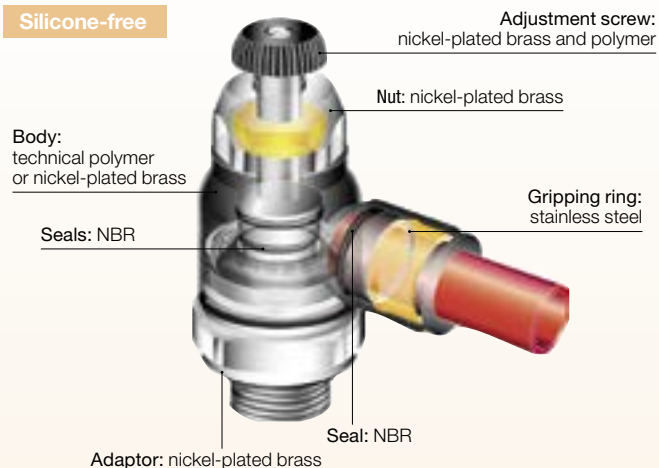
You will find all the flow rate characteristic curves (to 6 bar) for Flow Control Regulators at the end of the chapter.

Regulations

- RoHS
- REACH
- PED

Component Materials

Silicone-free



Advantages

Productivity:

- Higher maximum flow than standard regulators
- Optimal control of the cylinder rod speed

Accuracy:

- Precise adjustment for accurate flow regulation
- Long-term stability of flow

Ergonomics:

- External adjustment screw: easy to adjust ; Recessed adjustment screw: protects the adjustment mechanism
- Can be rotated 360° during assembly

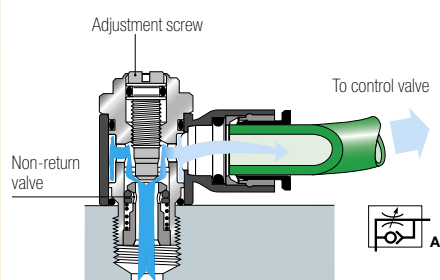
Operation

The uni-directional models control the flow of air in one direction through an adjustable restrictor, while allowing full flow in the opposite direction. The bi-directional models control the flow of air in both directions.

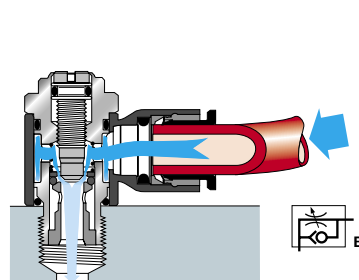
A more precise and constant flow regulation is obtained when the regulator is fitted directly onto the cylinder.

Models with Recessed Adjustment

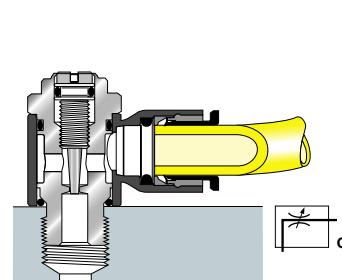
Uni-Directional (Exhaust Version)



Uni-Directional (Supply Version)



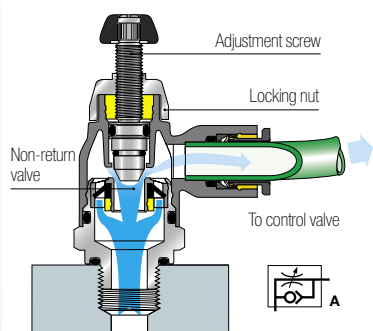
Bi-Directional Version



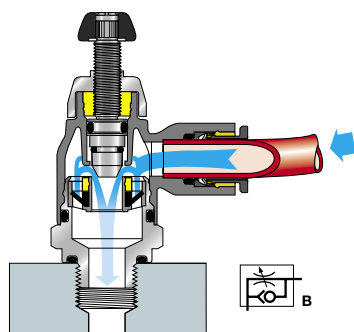
Flow Control Regulators

Models with External Adjustment

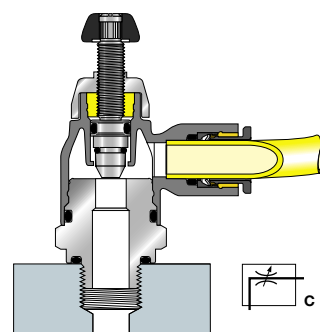
Uni-Directional (Exhaust Version)



Uni-Directional (Supply Version)

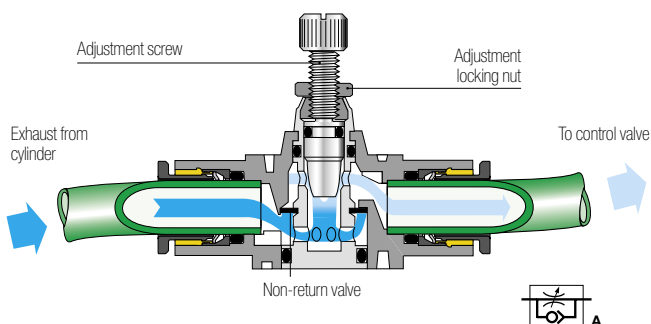


Bi-Directional Version

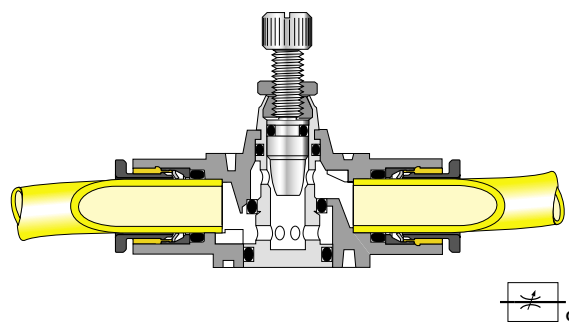


In-Line Models

Uni-Directional Version



Bi-Directional Version

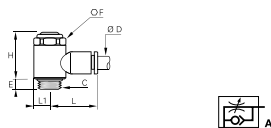


For instant visual identification, each Parker Legris flow control regulator version is identified by the related pneumatic symbol and by a letter:

- uni-directional regulation on exhaust: letter A
- uni-directional regulation on supply: letter B
- bi-directional regulation: letter C

7010 Flow Regulator Male BSPP and Metric Thread

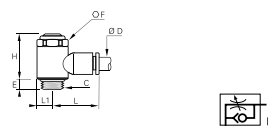
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	H	L	L1	Kg
4	M5x0.8	7010 04 19	4	8	17.5	17	5	0.006
	G1/8	7010 04 10	5	13	25	19	7	0.017
	M5x0.8	7010 06 19	4	8	17.5	19	5	0.006
6	G1/8	7010 06 10	5	13	25	21	7	0.018
	G1/4	7010 06 13	8	17	26.5	22	9.5	0.034
	G1/8	7010 08 10	5	13	25	26	7	0.019
8	G1/4	7010 08 13	8	17	26.5	27	9.5	0.035
	G3/8	7010 08 17	7.5	20	37.5	29	11	0.068
	G1/4	7010 10 13	8	17	26.5	29	9.5	0.035
10	G3/8	7010 10 17	7.5	20	37.5	31	11	0.067
	G1/2	7010 10 21	8	23	43	37	13.5	0.117
	G3/8	7010 12 17	7.5	20	37.5	34.5	11	0.069
12	G1/2	7010 12 21	8	23	43	37	13.5	0.108

7011 Flow Regulator Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

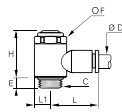


ØD	C		E	F	H	L	L1	Kg
4	M5x0.8	7011 04 19	4	8	17.5	17	5	0.006
	G1/8	7011 04 10	5	13	25	19	7	0.017
	M5x0.8	7011 06 19	4	8	17.5	19	5	0.006
6	G1/8	7011 06 10	5	13	25	21	7	0.018
	G1/4	7011 06 13	8	17	26.5	22	9.5	0.034
	G1/8	7011 08 10	5	13	25	26	7	0.019
8	G1/4	7011 08 13	8	17	26.5	27	9.5	0.034
	G3/8	7011 08 17	7.5	20	37.5	29	11	0.067
	G1/4	7011 10 13	8	17	26.5	29	9.5	0.036
10	G3/8	7011 10 17	7.5	20	37.5	31	11	0.068

Polymer Flow Control Regulators / With Recessed Adjustment

7012 Bi-Directional Flow Regulator Male BSPP and Metric Thread

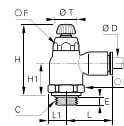
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	H	L	L1	Kg
4	M5x0.8	7012 04 19	4	8	17.5	17	5	0.006
	G1/8	7012 04 10	5	13	25	19	7	0.018
	M5x0.8	7012 06 19	4	8	17.5	19	5	0.006
6	G1/8	7012 06 10	5	13	25	21	7	0.019
	G1/4	7012 06 13	8	17	26.5	22	9.5	0.035
	G1/8	7012 08 10	5	13	25	26	7	0.019
8	G1/4	7012 08 13	8	17	26.5	27	9.5	0.036
	G3/8	7012 08 17	7.5	20	37.5	29	11	0.071

7061 Compact Flow Regulator Supply, Male BSPP Thread

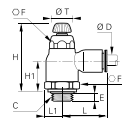
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	F1	H	H max	H1	L	L1	ØT	Kg
4	G1/8	7061 04 10	5	10	16	38	44	16	22	9	10	0.020
	G1/8	7061 06 10	5	10	16	38	44	16	22	9	10	0.020
6	G1/4	7061 06 13	5.5	10	16	36.5	42.5	15	22	9	10	0.021
	G1/8	7061 08 10	4.5	14	19	41.5	48	18	28	10.5	14	0.033
8	G1/4	7061 08 13	5.5	14	19	41.5	48	18.5	28	10.5	14	0.034
	G3/8	7061 08 17	5.5	14	23	41.5	48	17	28	11	14	0.033
10	G1/4	7061 10 13	5.5	17	23	45.5	53.5	20	31.5	12.5	17	0.053
	G3/8	7061 10 17	5.5	17	23	45.5	54	20	31.5	12.5	17	0.054
12	G1/2	7061 12 21	7.5	17	24	45.5	54	20	35	13	17	0.060

7060 Compact Flow Regulator Exhaust, Male BSPP Thread

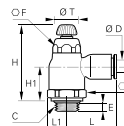
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	F1	H	H max	H1	L	L1	ØT	Kg
4	G1/8	7060 04 10	5	10	16	38	44	16	22	9	10	0.020
	G1/8	7060 06 10	5	10	16	38	44	16	22	9	10	0.020
6	G1/4	7060 06 13	5.5	10	16	36.5	42.5	15	22	9	10	0.020
	G1/8	7060 08 10	4.5	14	19	41.5	48	18	28	10.5	14	0.032
8	G1/4	7060 08 13	5.5	14	19	41.5	48	18.5	28	10.5	14	0.034
	G3/8	7060 08 17	5.5	14	19	41.5	48	17	28	11	14	0.034
10	G1/4	7060 10 13	5.5	17	23	45.5	53.5	20	31.5	12.5	17	0.053
	G3/8	7060 10 17	5.5	17	23	45.5	54	20	31.5	12.5	17	0.054
12	G3/8	7060 12 17	5.5	17	23	45.5	54	20	35	12.5	17	0.056
	G1/2	7060 12 21	7.5	17	24	45.5	54	20	35	13	17	0.058

7062 Bi-Directional Compact Flow Regulator, Male BSPP Thread

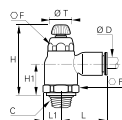
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	F1	H	H max	H1	L	L1	ØT	Kg
4	G1/8	7062 04 10	5	10	16	38	44	16	22	9	10	0.025
	G1/8	7062 06 10	5	10	16	38	44	16	22	9	10	0.025
6	G1/4	7062 06 13	5.5	10	16	36.5	42.5	15	22	9	10	0.025
	G1/8	7062 08 10	4.5	14	19	41.5	48	18	28	10.5	14	0.043
8	G1/4	7062 08 13	5.5	14	19	41.5	48	18.5	28	10.5	14	0.046
	G3/8	7062 08 17	5.5	14	19	41.5	48	17	28	11	14	0.042

7065 Compact Flow Regulator Exhaust, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

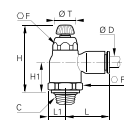


ØD	C		F	F1	H max	H min	H1	L	L1	ØT	Kg
6	R1/8	7065 06 10	10	16	42.5	36.5	15	22	8	10	0.021
	R1/8	7065 08 10	14	19	45	40	16.5	28	10.5	14	0.034
8	R1/4	7065 08 13	14	19	45	40	16.5	28	10.5	14	0.036
	R1/4	7065 10 13	17	23	51.5	43.5	18	31.5	12.5	17	0.053
10	R3/8	7065 10 17	17	23	51.5	43.5	18	31.5	12.5	17	0.055
	R1/2	7065 10 21	17	23	51.5	43.5	18	31.5	12.5	17	0.059
12	R1/4	7065 12 13	17	23	51.5	43.5	18	35	12.5	17	0.056
	R3/8	7065 12 17	17	23	51.5	43.5	18	35	12.5	17	0.059
	R1/2	7065 12 21	17	23	51.5	43.5	18	35	12.5	17	0.064

Pre-coated thread

7067 Bi-Directional Compact Flow Regulator, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR



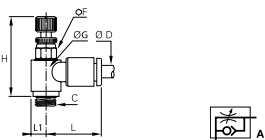
ØD	C		F	F1	H max	H min	H1	L	L1	ØT	Kg
4	R1/8	7067 04 10	10	16	42.5	36.5	14.7	22	9	10	0.025
	R1/8	7067 06 10	10	16	42.5	36.5	14.7	22	9	10	0.010
6	R1/4	7067 06 13	10	16	42.5	36.5	14.7	22	9	10	0.014
	R1/8	7067 08 10	14	19	45	40	16.5	28	10.5	14	0.034
8	R1/4	7067 08 13	14	19	45	40	16.5	28	10.5	14	0.036
	R3/8	7067 08 17	14	19	45	40	16.5	28	11	14	0.042

Pre-coated thread

Polymer Flow Control Regulators / With External Adjustment

7660 Miniature Flow Regulator Exhaust, Male BSPP and Metric Thread

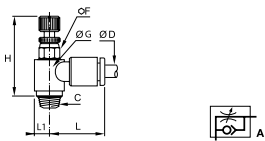
Technical polymer, Nickel-plated brass, NBR



ØD	C		F	G	H max	H min	L	L1	Kg
3	M3x0.5	7660 03 09	6	9	26	23.5	17	4.5	0.007
	M5x0.8	7660 03 19	6	9	26	23.5	17	4.5	0.006
	M3x0.5	7660 04 09	6	9	26	23.5	16.5	4.5	0.007
4	M5x0.8	7660 04 19	6	9	26	23.5	17	4.5	0.006
	G1/8	7660 04 10	7	11.5	29.5	27	18	6	0.012
	M5x0.8	7660 06 19	6	9	26	23.5	18	4.5	0.006
6	G1/8	7660 06 10	7	11.5	29.5	27	18.5	6	0.012
	G1/4	7660 06 13	8	12	32.5	30	19	6	0.019
	G1/8	7660 08 10	13	14	31	26.5	26	7	0.021
8	G1/4	7660 08 13	16	19	34	29	27.5	9.5	0.033
	G3/8	7660 08 17	20	23	42	36	29	11.5	0.061

7665 Miniature Flow Regulator Exhaust, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

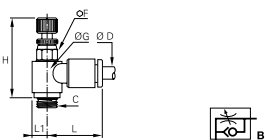


ØD	C		F	G	H max	H min	L	L1	Kg
4	R1/8	7665 04 10	7	11.5	27.5	25	18	6	0.012
	R1/8	7665 06 10	7	11.5	27.5	25	18.5	6	0.012
6	R1/4	7665 06 13	8	13.5	30	27.5	19	7	0.019
	R3/8	7665 06 17	17	13.5	34	31.5	19	7	0.025
	R1/8	7665 08 10	13	14	28.5	24	26	7	0.021
8	R1/4	7665 08 13	16	19	29	25	27.5	9.5	0.033
	R3/8	7665 08 17	20	23	36	30	29	11.5	0.061

Pre-coated thread

7669 Miniature Flow Regulator Supply, Male BSPP and Metric Thread

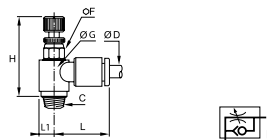
Technical polymer, Nickel-plated brass, NBR



ØD	C		F	G	H max	H min	L	L1	Kg
3	M3x0.5	7669 03 09	6	9	26.5	24	17	4.5	0.008
	M5x0.8	7669 03 19	6	9	27.5	25	17	4.5	0.007
4	M5x0.8	7669 04 19	6	9	27.5	25	17	4.5	0.006
	G1/8	7669 04 10	7	11.5	31	28	18	6	0.012
	M5x0.8	7669 06 19	6	9	27	23.5	18	4.5	0.007
6	G1/8	7669 06 10	7	11.5	31	28	18.5	6	0.012
	G1/4	7669 06 13	8	12	34	30.5	19	6	0.019
	G1/8	7669 08 10	13	14	32	29	26	7	0.021
8	G1/4	7669 08 13	16	19	33.5	29.5	27.5	9.5	0.032
	G3/8	7669 08 17	20	23	41	37	29	11.5	0.063

7668 Miniature Flow Regulator Supply, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

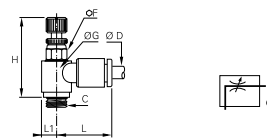


ØD	C		F	G	H max	H min	L	L1	Kg
4	R1/8	7668 04 10	7	11.5	28.5	25.5	18	6	0.011
6	R1/8	7668 06 10	7	11.5	29	24	18.5	6	0.012
	R1/4	7668 06 13	8	13.5	31	27	19	7	0.019
8	R1/8	7668 08 10	13	14	28.5	25	26	7	0.020
	R1/4	7668 08 13	16	19	30	26	27.5	9.5	0.032

Pre-coated thread

7662 Bi-Directional Miniature Flow Regulator, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

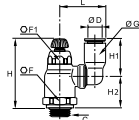


ØD	C		F	G	H max	H min	L	L1	Kg
4	M5x0.8	7662 04 19	6	9	26	23.5	17	4.5	0.007
	G1/8	7662 04 10	7	11.5	29.5	27	18	6	0.013
6	M5x0.8	7662 06 19	6	9	26	23.5	18	4.5	0.010
	G1/8	7662 06 10	7	11.5	29.5	27	18.5	6	0.013
	G1/4	7662 06 13	8	12	32.5	30	19	6	0.019

Polymer Flow Control Regulators / With External Adjustment

7040 Compact Flow Regulator Swivel Outlet Exhaust, Male BSPP Thread

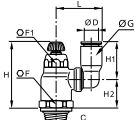
Technical polymer, Nickel-plated brass, NBR



ØD	C		F	F1	G	H max	H min	H1	H2	L	Kg
6	G1/8	7040 06 10	16	10	10.5	44	38	16	18	23.5	0.024
	G1/4	7040 06 13	16	10	10.5	42.5	36.5	16	16.5	23.5	0.023
8	G1/8	7040 08 10	19	14	13.5	48	41.5	23	19	28	0.037
	G1/4	7040 08 13	19	14	13.5	48	41.5	23	19.5	28	0.039
10	G3/8	7040 08 17	19	14	13.5	48	41.5	23	17.5	28	0.020
	G1/4	7040 10 13	23	17	16	53.5	45.5	26.5	21	35	0.051
12	G3/8	7040 10 17	23	17	16	54	45.5	26.5	21.5	35	0.063
	G3/8	7040 12 17	23	17	19	54	45.5	30.5	21.5	38	0.066
	G1/2	7040 12 21	24	17	19	54	45.5	30.5	21	38	0.071

7045 Compact Flow Regulator Swivel Outlet Exhaust, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

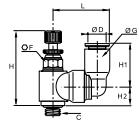


ØD	C		F	F1	G	H max	H min	H1	H2	L	Kg
10	R3/8	7045 10 17	23	17	16	51.5	43.5	26.5	19	35	0.065
12	R3/8	7045 12 17	23	17	19	51.5	43.5	31	19	38	0.065

Pre-coated thread

7640 Miniature Swivel Outlet Flow Regulator Exhaust, Male BSPP and Metric Thread

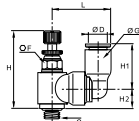
Technical polymer, Nickel-plated brass, NBR



ØD	C		F	G	H max	H min	H1	H2	L	Kg
4	M5x0.8	7640 04 19	6	8.5	26	23.5	14	6.5	19.5	0.011
	G1/8	7640 04 10	7	8.5	29.5	27	14	8	19.5	0.015
6	M5x0.8	7640 06 19	6	10.5	26	23.5	16	6.5	21	0.001
	G1/8	7640 06 10	7	10.5	29.5	27	16	8	20.5	0.015

7649 Miniature Swivel Outlet Flow Regulator Supply, Male BSPP and Metric Thread

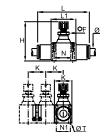
Technical polymer, Nickel-plated brass, NBR



ØD	C		F	G	H max	H min	H1	H2	L	Kg
4	M5x0.8	7649 04 19	6	8.5	27	24	14	6.5	19	0.015
6	M5x0.8	7649 06 19	6	10.5	27	24	16	6.5	21	0.008
	G1/8	7649 06 10	7	10.5	30.5	28	16	8.5	21.5	0.015

7770 In-Line One-Way Flow Regulator

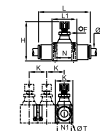
Technical polymer, Nickel-plated brass, NBR



ØD		F	H max	H min	K	L	L1	N	N1	ØT	Kg
4	7770 04 00	5	33.5	29.5	12	36	15	11	8	2.2	0.009
6	7770 06 00	8	44.5	40.5	17	51	23	17	11	3.2	0.024
8	7770 08 00	11	52.5	46.5	18.5	58	26	20	12.5	3.2	0.048
10	7770 10 00	14	61	53	24	73	33	26	16	4.2	0.097
12	7770 12 00	14	67.5	59	28	85	35	27.5	20	4.2	0.132

7772 Bi-Directional In-Line Flow Regulator

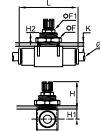
Technical polymer, Nickel-plated brass, NBR



ØD		F	H max	H min	K	L	L1	N	N1	ØT	Kg
4	7772 04 00	5	33.5	29.5	12	36	15	11	8	2.2	0.009
6	7772 06 00	8	44.5	40	17	51	23	17	11	3.2	0.024
8	7772 08 00	11	52.5	46.5	18.5	58	26	20	12.5	3.2	0.054

7776 Panel-Mountable In-Line One-Way Flow Regulator

Technical polymer, Nickel-plated brass, NBR

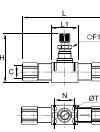


ØD		F	F1	H	H max	H1	H2	K	L	ØT	Kg
4	7776 04 00*	14		39.5	43	6.5	11	6	36	10.5	0.015
6	7776 06 00*	22		45.5	49	7.5	13.5	7	51	16.5	0.038
8	7776 08 00	22	11	45.5	54	9	13.5	7	58	18.5	0.069
10	7776 10 00	30	14	54	62	11.5	13.5	7	73	24.5	0.136
12	7776 12 00	32	14	61	71	12.5	15.5	8	85	27.5	0.185

*Ultrafine adjustment

7771 In-Line One-Way Flow Regulator, Female BSPP Thread

Technical polymer, Nickel-plated brass, NBR



C		F	F1	H max	H min	L	L1	N	N1	ØT	Kg
G1/8	7771 10 10	13	8	44.5	39.5	68.5	23	17	11	3.2	0.043
G1/4	7771 13 13	16	11	50	44	83	26	20	12.5	3.2	0.103
G3/8	7771 17 17	19	14	61	52	97	33	26	16	4.2	0.160
G1/2	7771 21 21	24	14	67.5	57.5	121	35	27.5	20	4.2	0.260

7000 Joining Clips

Technical polymer

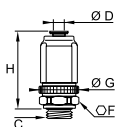


ØD		Kg
4	7000 00 04	0.001
6-8	7000 00 05	0.005
10-12	7000 00 06	0.001

To be used with 7770,7771,7772 and 7776 series.

7020 Straight Flow Regulator Exhaust, Male BSPP Thread

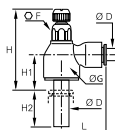
Technical polymer, Nickel-plated brass, NBR



ØD	C		F	G	H max	H min	Kg
8	G1/8	7020 08 10	24	27	52.5	46.5	0.110

7030 Compact Plug-In Flow Regulator, Exhaust

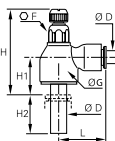
Technical polymer, Nickel-plated brass, NBR



ØD		F	G	H max	H min	H1	H2	L	Kg
6	7030 06 00	10	16	41	35	14	17	22	0.013
8	7030 08 00	14	19	46.5	39.5	16	21.5	28	0.022
12	7030 12 00	17	23	51	43	17	27	35	0.044

7031 Compact Plug-In Flow Regulator, Supply

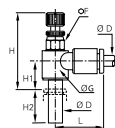
Technical polymer, Nickel-plated brass, NBR



ØD		F	G	H max	H min	H1	H2	L	Kg
6	7031 06 00	10	16	41	35	14	17	22	0.013
8	7031 08 00	14	19	46.5	39.5	16	21.5	28	0.035

7630 Miniature Plug-In Flow Regulator, Exhaust

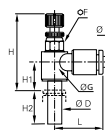
Technical polymer, Nickel-plated brass, NBR



ØD		F	G	H max	H min	H1	H2	L	Kg
4	7630 04 00	6	9	28	25.5	9.5	15.5	17	0.007
6	7630 06 00	7	11.5	29	27.5	10.5	17	18.5	0.012

7631 Miniature Plug-In Flow Regulator, Supply

Technical polymer, Nickel-plated brass, NBR

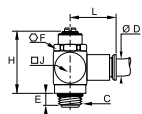


ØD		F	G	H max	H min	H1	H2	L	Kg
4	7631 04 00	6	9	28	25.5	9.5	15.5	17	0.007
6	7631 06 00	7	11.5	29	27.5	10.5	17	18.5	0.011

Metal Flow Control Regulators / With Recessed Adjustment

7130 Flow Regulator, Exhaust, Male BSPP and Metric Thread

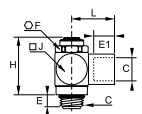
Nickel-plated brass, NBR



ØD	C		E	F	H	J	L	Kg
4	M5x0.8	7130 04 19	4	8	17	9	19	0.010
	G1/8	7130 04 10	5	13	29	15	20	0.037
6	M5x0.8	7130 06 19	4	8	17	9	24	0.013
	G1/8	7130 06 10	5	13	29	15	22	0.038
	G1/4	7130 06 13	8	17	31	18	24	0.062
8	G1/8	7130 08 10	5	13	29	15	25	0.042
	G1/4	7130 08 13	8	17	31	18	28	0.066
	G3/8	7130 08 17	7	20	40	21.5	29	0.109
10	G1/4	7130 10 13	8	17	31	18	30	0.075
	G3/8	7130 10 17	7	20	40	21.5	32	0.119
	G1/2	7130 10 21	8	23	53	28	34	0.227
12	G3/8	7130 12 17	7	20	40	22	36	0.064
	G1/2	7130 12 21	8	23	53	28	38	0.306

7140 Flow Regulator Exhaust, Male/Female BSPP and Metric Thread

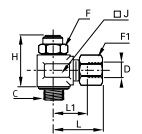
Nickel-plated brass, NBR



C		E	E1	F	H	J	L	Kg
M5x0.8	7140 19 19	4	4	8	21	9	11	0.009
G1/8	7140 10 10	5	8	13	32	15	17	0.039
G1/4	7140 13 13	8	12	17	39	18	24	0.073
G3/8	7140 17 17	7	12	20	47	21.5	27	0.124
G1/2	7140 21 21	8	15	23	61	28	31	0.238

7160 Flow Regulator with Brass Compression Fitting, Exhaust, Male BSPP Thread

Nickel-plated brass, NBR

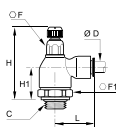


ØD	C		F	F1	H	J	L	L1	Kg
4	G1/8	7160 04 10	13	10	26	17	25.5	14.5	0.051
6	G1/8	7160 06 10	13	13	26	17	25.5	14.5	0.054
	G1/4	7160 06 13	17	13	31.5	22	28.5	17.5	0.101
8	G1/8	7160 08 10	13	14	26	17	29.5	15.5	0.055
	G1/4	7160 08 13	17	14	31.5	22	31	17	0.101
	G1/4	7160 10 13	17	19	31.5	22	35	19	0.117
10	G3/8	7160 10 17	20	19	44.5	22	37.5	19	0.190
	G1/2	7160 10 21	23	19	50	27	37.5	19	0.204
12	G1/2	7160 12 21	23	22	50	27	38	21.5	0.212

Metal Flow Control Regulators / With External Adjustment

7100 Compact Flow Regulator, Exhaust, Male BSPP Thread

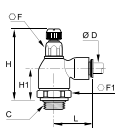
Nickel-plated brass, NBR



ØD	C		F	F1	H max	H min	H1	L	Kg
4	G1/8	7100 04 10	10	19	53	47	23	21	0.080
6	G1/8	7100 06 10	10	19	53	47	23	24.5	0.082
	G1/4	7100 06 13	10	19	53	47.5	23.5	24.5	0.085
8	G1/8	7100 08 10	14	19	55	50	24.5	29	0.097
	G1/4	7100 08 13	14	19	56	50	25	29	0.101
10	G3/8	7100 08 17	17	25	62	56	27	30.5	0.154
	G1/4	7100 10 13	14	19	56	50	25	35	0.106
12	G3/8	7100 10 17	17	25	62	56	27	35	0.157
	G3/8	7100 12 17	17	25	62	56	27	38	0.198
14	G1/2	7100 12 21	17	25	62	55	27	38	0.207
	G1/2	7100 14 21	17	25	62	55	27	41	0.205

7101 Compact Flow Regulator, Supply, Male BSPP Thread

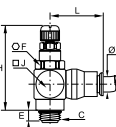
Nickel-plated brass, NBR



ØD	C		F	F1	H max	H min	H1	L	Kg
4	G1/8	7101 04 10	10	19	53	47	23	21	0.096
6	G1/8	7101 06 10	10	19	53	47	23	24.5	0.081
	G1/4	7101 06 13	10	19	53	47.5	23.5	24.5	0.084
8	G1/8	7101 08 10	14	19	55	50	24.5	29	0.097
	G1/4	7101 08 13	14	19	56	50	25	29	0.101
10	G3/8	7101 08 17	17	25	62	56	27	30.5	0.155

7680 Compact Flow Regulator, Exhaust, Male BSPP Thread

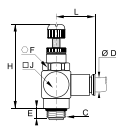
Nickel-plated brass, NBR



ØD	C		E	F	H max	H min	J	L	Kg
6	G1/8	7680 06 10	5	13	44	39	7.5	24.5	0.045
8	G1/8	7680 08 10	5	13	44	39	7.5	24.5	0.047
	G1/4	7680 08 13	8	17	47	41	9	27	0.076
10	G3/8	7680 10 17	7	20	60	50	11	34	0.133
12	G1/2	7680 12 21	8	23	77	65	14	36.5	0.165

7180 Miniature Flow Regulator Exhaust, Male BSPP and Metric Thread

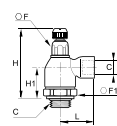
Nickel-plated brass, NBR



ØD	C		E	F	H max	H min	J	L	Kg
4	M5x0.8	7180 04 19	4	8	29	24	10	19	0.012
	G1/8	7180 04 10	5	13	44	39	15	20	0.041
6	M5x0.8	7180 06 19	4	8	29	24	10	24	0.015
	G1/8	7180 06 10	5	13	44	39	15	22	0.043
8	G1/8	7180 08 10	5	13	44	39	15	26	0.049

7110 Compact Flow Regulator Exhaust, Male/Female BSPP Thread

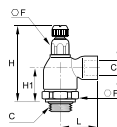
Nickel-plated brass, NBR



C		F	F1	H max	H min	H1	L	Kg
G1/8	7110 10 10	10	19	52.5	47	23	22.5	0.080
G1/4	7110 13 13	14	19	55.5	50.5	25	32	0.107
G3/8	7110 17 17	17	25	62	56	27	34.5	0.212
G1/2	7110 21 21	17	25	62	55	27	37.5	0.191

7111 Compact Flow Regulator Supply, Male/Female BSPP Thread

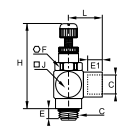
Nickel-plated brass, NBR



C		F	F1	H max	H min	H1	L	Kg
G1/8	7111 10 10	10	19	52.5	47	23	22.5	0.079
G1/4	7111 13 13	14	19	55.5	50.5	25	32	0.108

7190 Miniature Flow Regulator Exhaust, Male/Female BSPP and Metric Thread

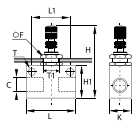
Nickel-plated brass, NBR



C		E	E1	F	H max	H min	J	L	Kg
M5x0.8	7190 19 19	4	4	8	29	24	10	11	0.012
G1/8	7190 10 10	5	8	13	44	39	15	17	0.044

7170 Panel-Mountable In-Line Flow Regulator,
Female BSPP and Metric Thread

Treated aluminium, NBR, brass



C		F	H max	H min	H1	K	L	L1	ØT	Kg
M5x0.8	7170 19 19	12	42	38	15	12	25	18	4.5	0.021
G1/8	7170 10 10	15	56	49	22	18	35	24.7	4.5	0.056
G1/4	7170 13 13	15	64	57	30	20	46	35	6.5	0.088
G3/8	7170 17 17	22	73	62	30	25	50	35	6.5	0.154
G1/2	7170 21 21	22	83	72	40	25	60	44	6.5	0.195

Metal Flow Control Regulators / Stainless Steel



With its 316L stainless steel body and adjustment screw, this range combines precise adjustment, accuracy and compactness for applications in environments with high mechanical or chemical constraints.

Technical Characteristics

Compatible Fluids	Compressed air 7822: all compatible fluids depending on whether FKM or PTFE seals are used
Working Pressure	7810-7812: 1 to 10 bar 7820: 1 to 16 bar 7822: 1 to 40 bar
Working Temperature	7810 - 7812: 0°C to +70°C 7820 - 7822: -15° to +120°C

Advantages

- Compatibility with aggressive, mechanical and chemical environments

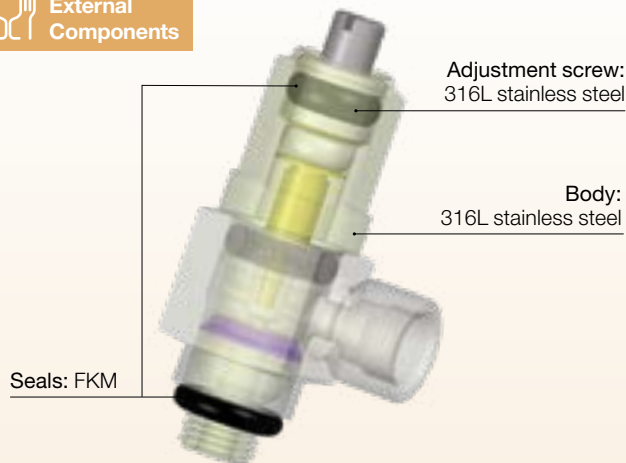
For food process applications:

- Guarantees the integrity of the fluids conveyed
- Easy-to-clean

Component Materials



External Components

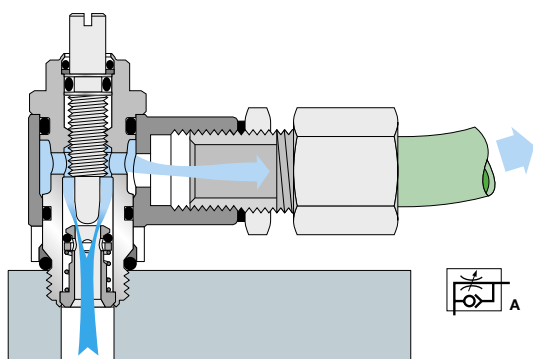


Regulations

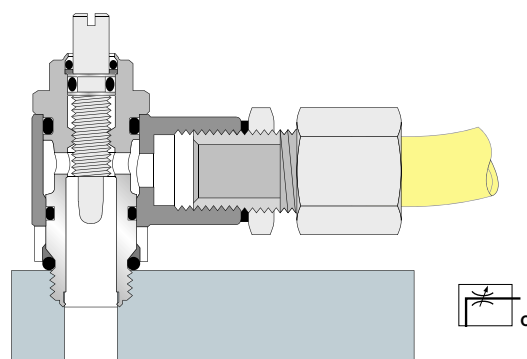
- RoHS
- REACH
- PED
- FDA: 21 CFR
- 1935/2004

Operation

Exhaust Model with External Adjustment

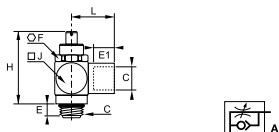


Bi-Directional Model with External Adjustment



7810 Flow Regulator Exhaust, Male/Female BSPP and Metric Thread

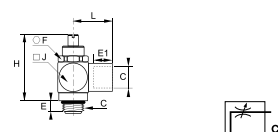
Stainless steel 316L, FKM



C		E	E1	F	H max	H min	J	L	Kg
M5x0.8	7810 19 19	4	4	8	26	22	9	11	0.011
G1/8	7810 10 10	6	8	13	38	32	15	17	0.039
G1/4	7810 13 13	9	12	17	40	35	18	24	0.072
G3/8	7810 17 17	8	12	20	53	43	22	27	0.126
G1/2	7810 21 21	9	15	23	71	60	28	31	0.261

7812 Bi-Directional Flow Regulator, Male/Female BSPP and Metric Thread

Stainless steel 316L, FKM

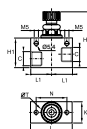


C		E	E1	F	H max	H min	J	L	Kg
M5x0.8	7812 19 19	4	4	8	26	22	9	11	0.011
G1/8	7812 10 10	6	8	13	38	32	15	17	0.040
G1/4	7812 13 13	9	12	17	40	35	18	24	0.074
G3/8	7812 17 17	8	12	20	53	43	22	24	0.125
G1/2	7812 21 21	9	15	23	71	60	28	31	0.261

Metal Flow Control Regulators / Stainless Steel

7820 In-Line One-Way Flow Regulator, Female BSPP Thread

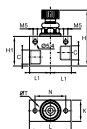
Stainless steel 316L, FKM



DN	C		H max	H min	H1	K	L	L1	N	ØT	Kg
7	G1/8	7820 00 10	52.5	47	30	20	40	20	30	20	0.174
7	G1/4	7820 00 13	52.5	47	30	20	40	20	30	20	0.164
9	G3/8	7820 00 17	65	56	35	25	50	25	36	20	0.285
12	G1/2	7820 00 21	65	58	35	25	50	25	36	20	0.305

7822 Bi-Directional In-Line Flow Regulator, Female BSPP Thread

Stainless steel 316L, FKM



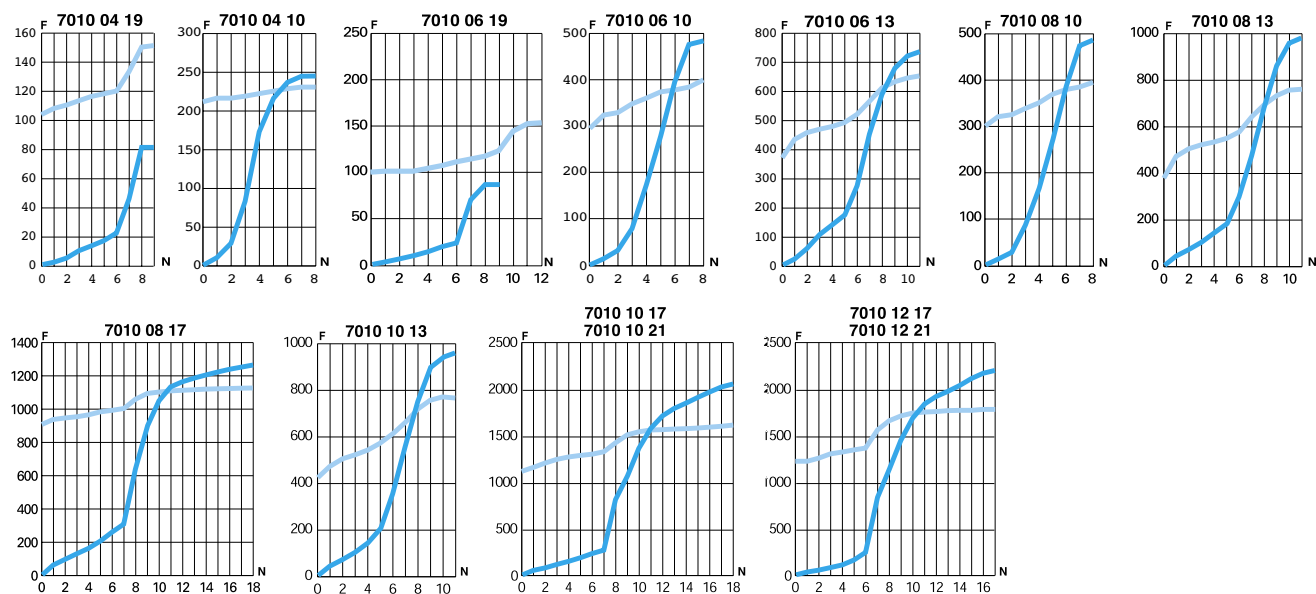
DN	C		H max	H min	H1	K	L	L1	N	ØT	Kg
7	G1/8	7822 00 10	52.5	48	30	20	40	20	30	20	0.176
7	G1/4	7822 00 13	52.5	48	30	20	40	20	30	20	0.164
9	G3/8	7822 00 17	65	58	35	25	50	25	36	20	0.289
12	G1/2	7822 00 21	87	76	40	30	60	30	42	30	0.265

Flow Characteristics (at 6 bar) for Flow Control Regulators

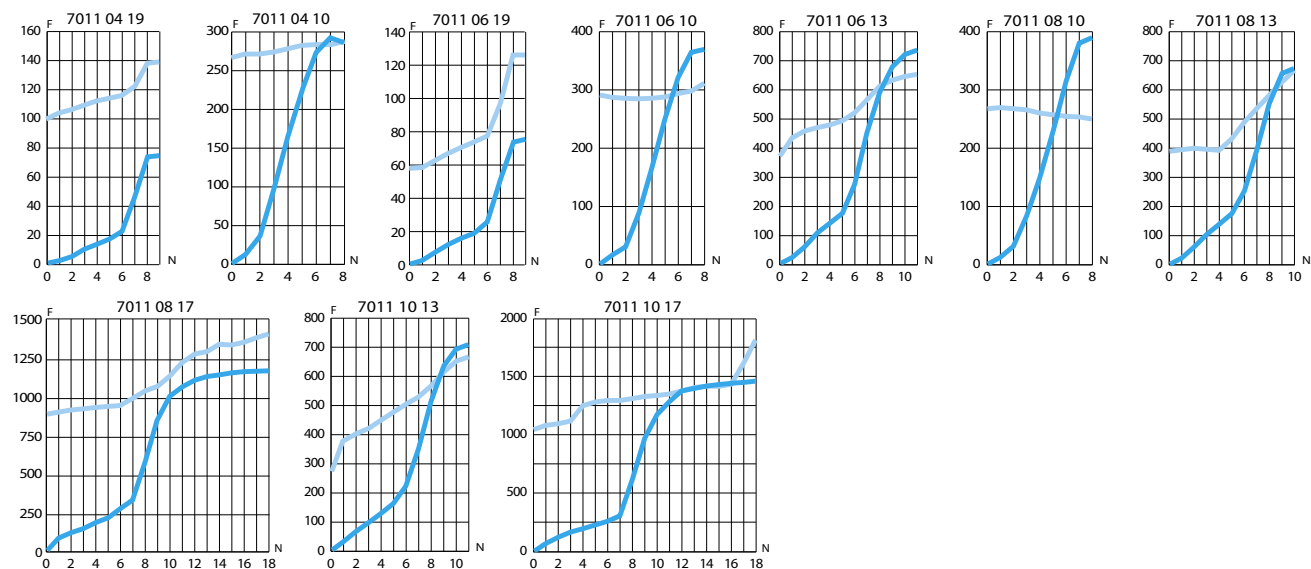


7010
7011
7012

7010



7011



7012

Flow characteristics for model 7012:

- exhaust version (see model 7010, direction of adjustment)
- supply version (see model 7011, direction of adjustment)

6 bar

Direction of adjustment
 Return

F: Flow in Nl/min

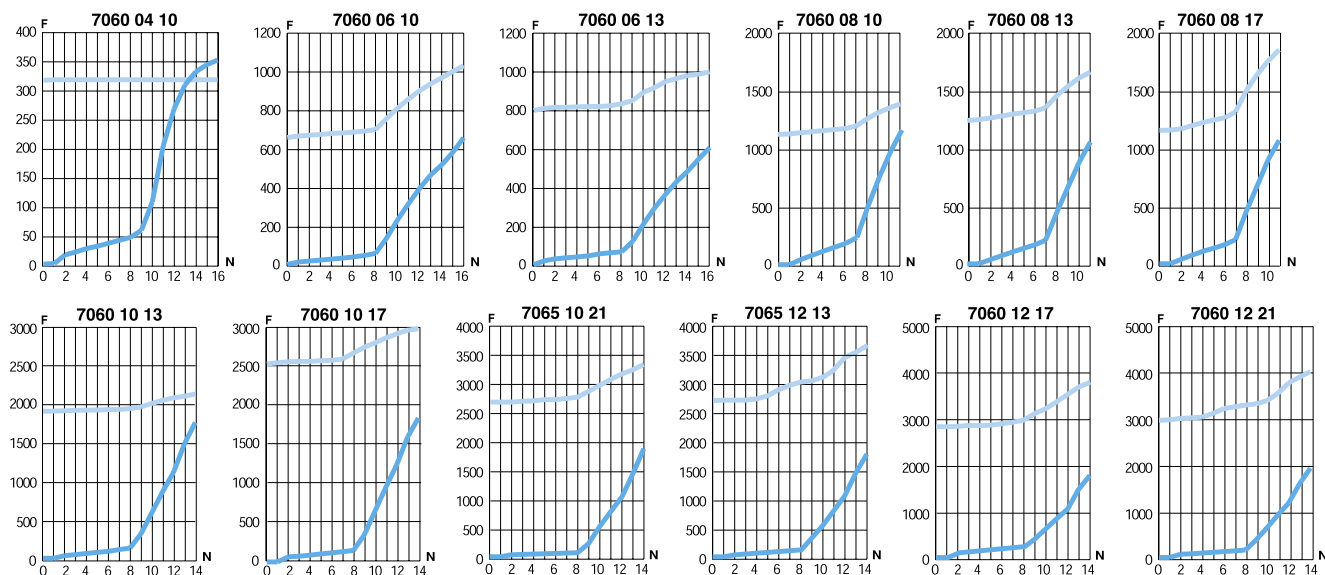
N: Number of turns

Flow Characteristics (at 6 bar) for Flow Control Regulators

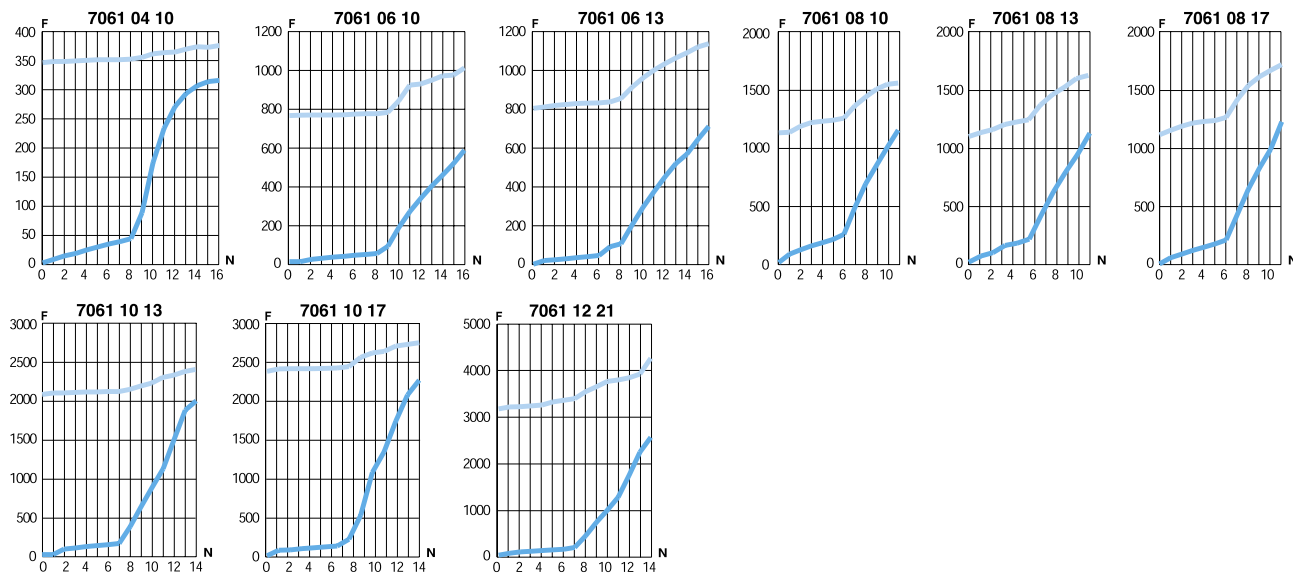


7060
7061
7062

7060



7061



7062

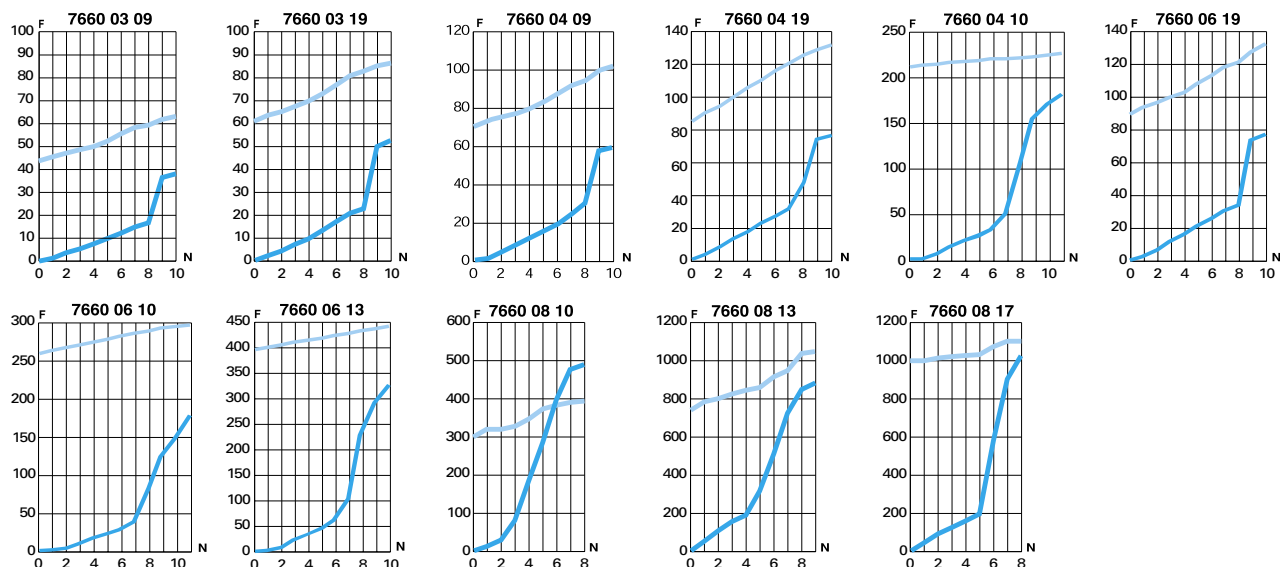
Flow characteristics for model 7062:

- exhaust version (see model 7060, direction of adjustment)
- supply version (see model 7061, direction of adjustment)

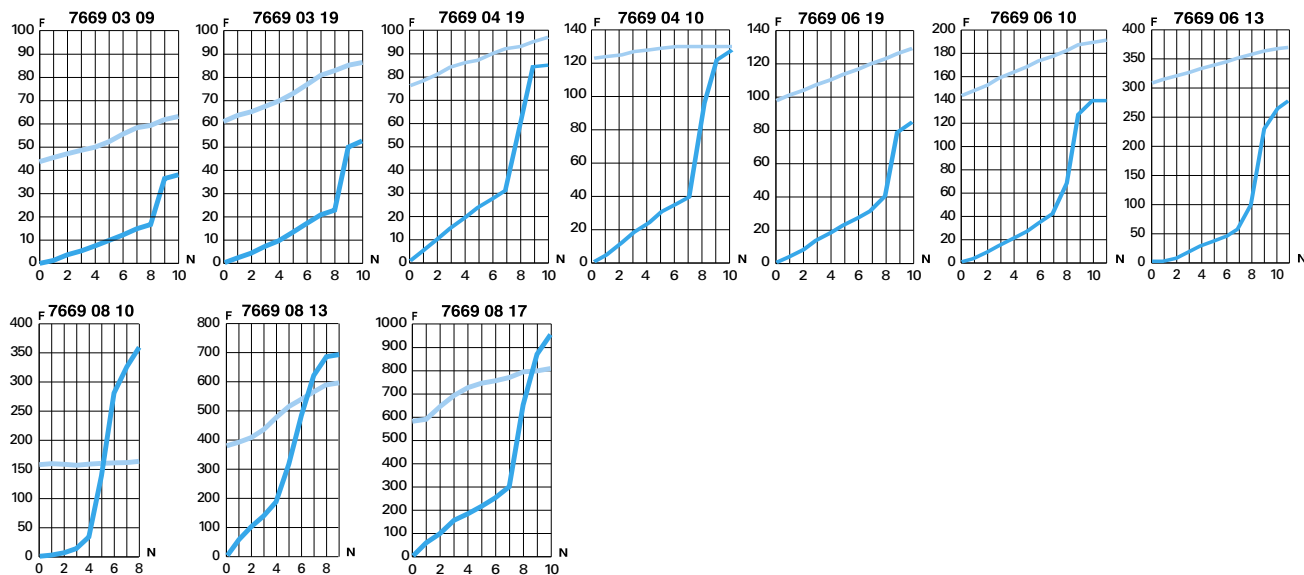


7660
7669
7662

7660



7669



7662

Flow characteristics for model 7662:

- exhaust version: see model 7660, direction of adjustment
- supply version: see model 7669, direction of adjustment

6 bar

— Direction of adjustment
--- Return

F: Flow in l/min

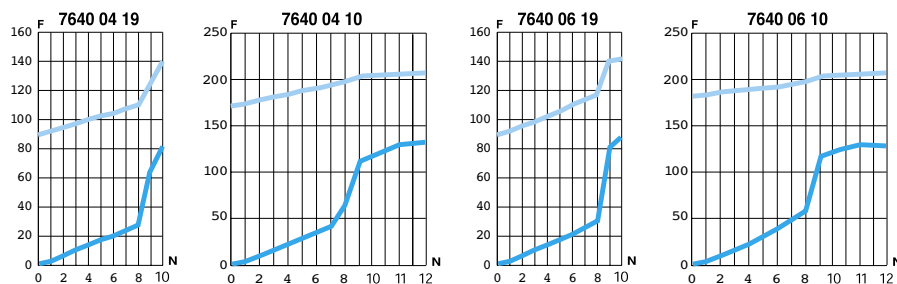
N: Number of turns

Flow Characteristics (at 6 bar) for Flow Control Regulators

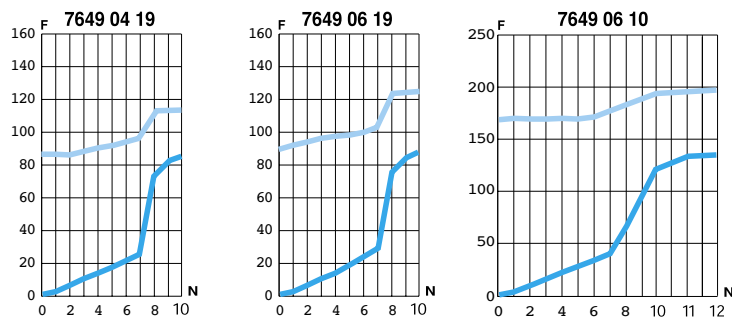


7640
7649

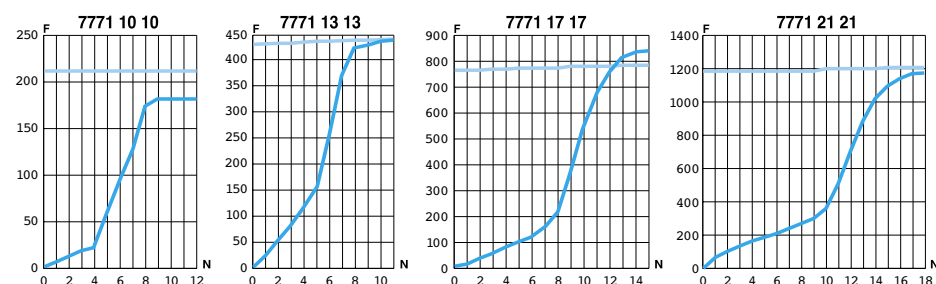
7640



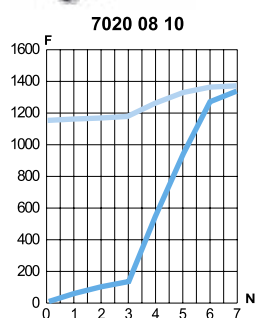
7649



7771



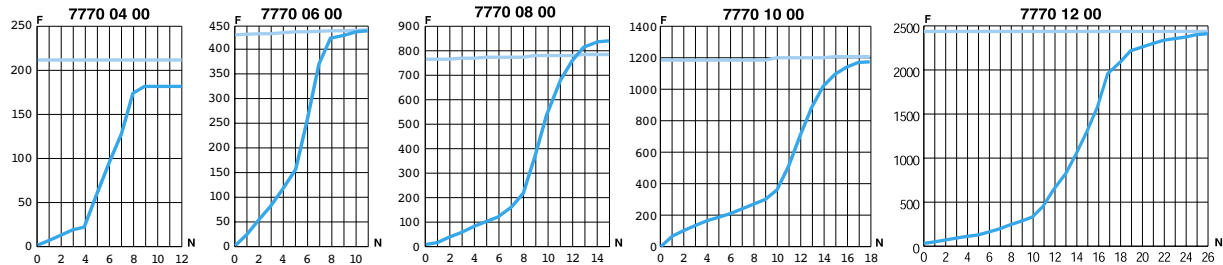
7020



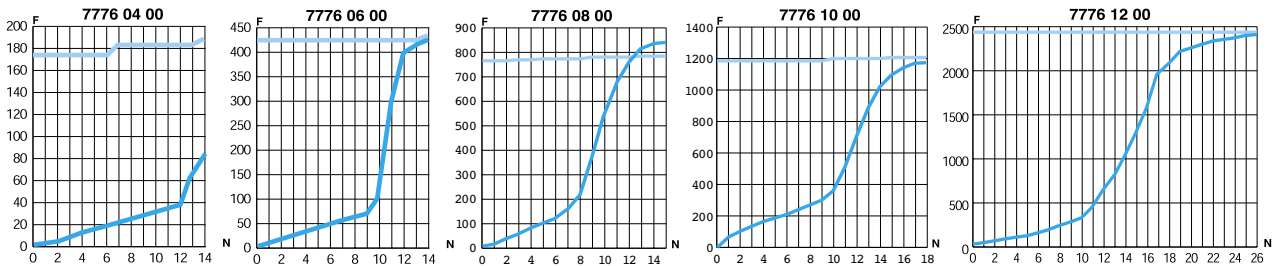
Flow Characteristics (at 6 bar) for Flow Control Regulators



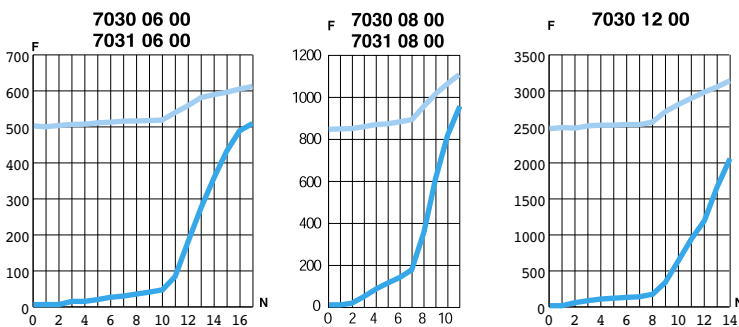
7770



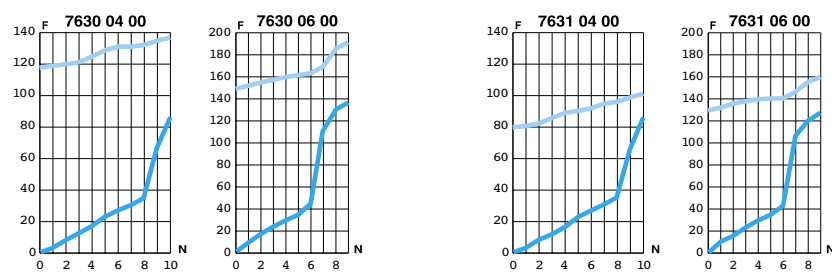
7776



**7030
7031**



**7630
7631**



6 bar

Direction of adjustment

Return

F: Flow in NI/min

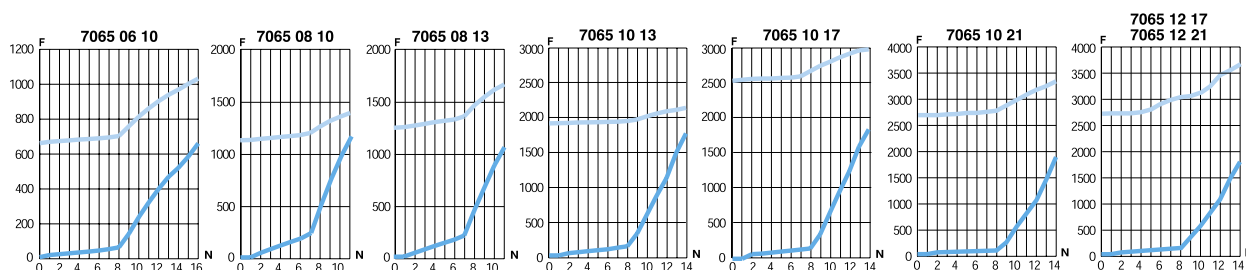
N: Number of turns

Flow Characteristics (at 6 bar) for Flow Control Regulators

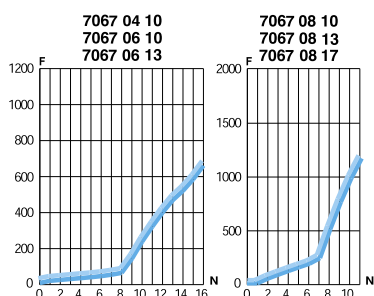


7065
7067

7065

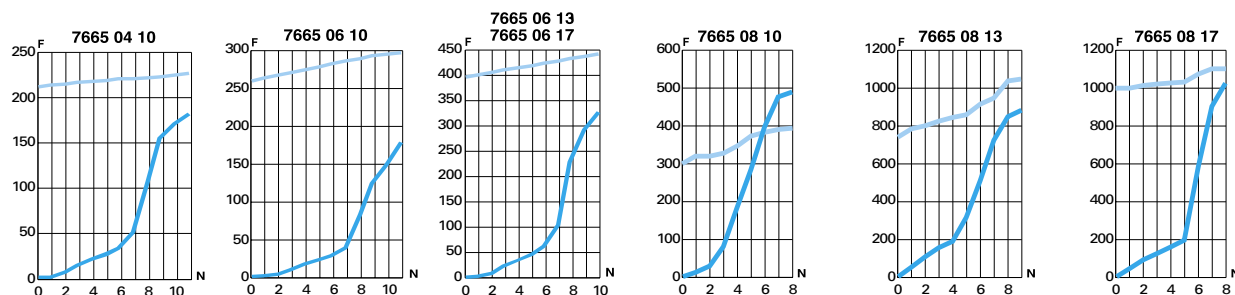


7067

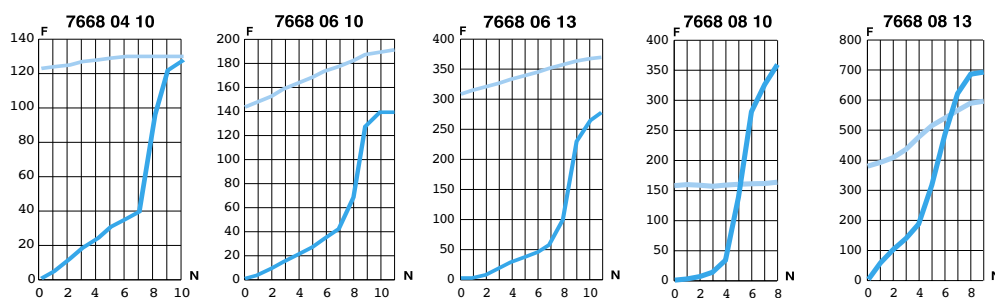


7665
7668

7665



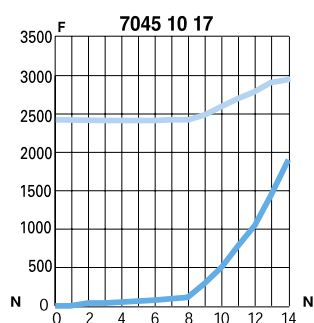
7668



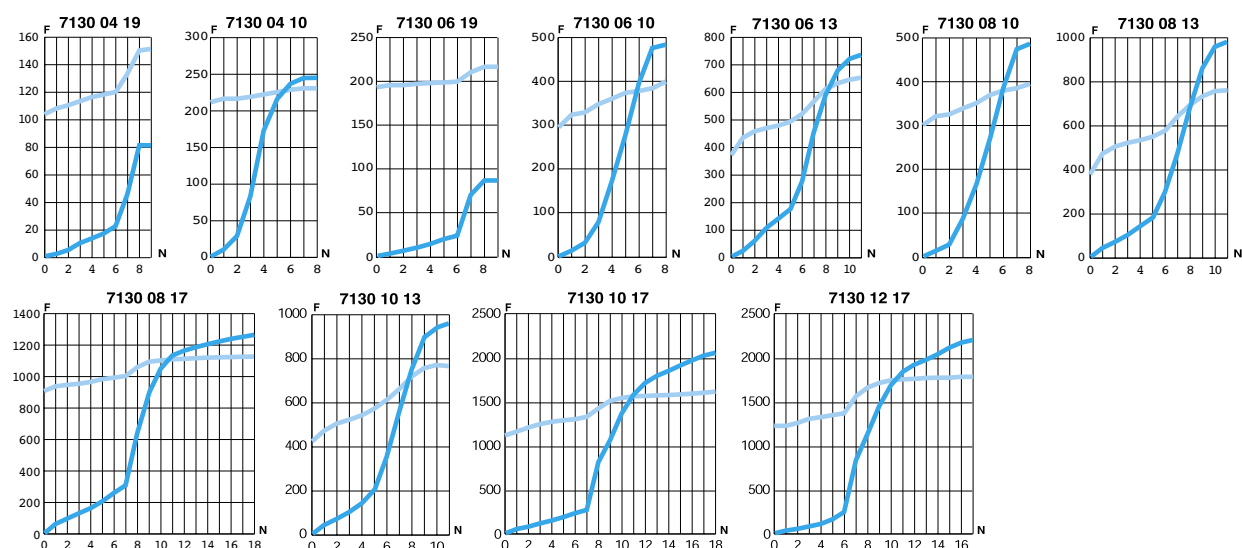
Flow Characteristics (at 6 bar) for Flow Control Regulators



7045



7130



6 bar

— Direction of adjustment

— Return

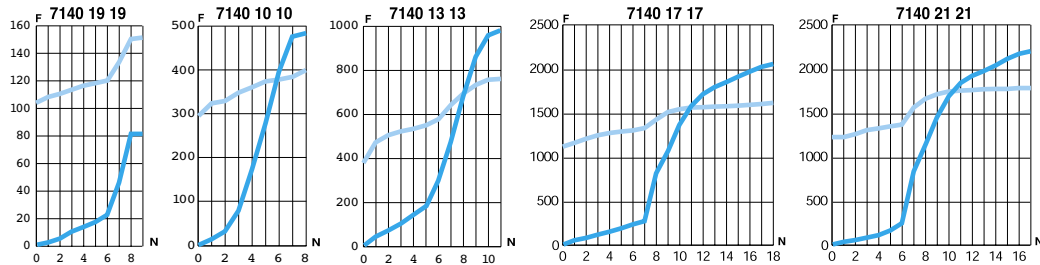
F: Flow in Nl/min

N: Number of turns

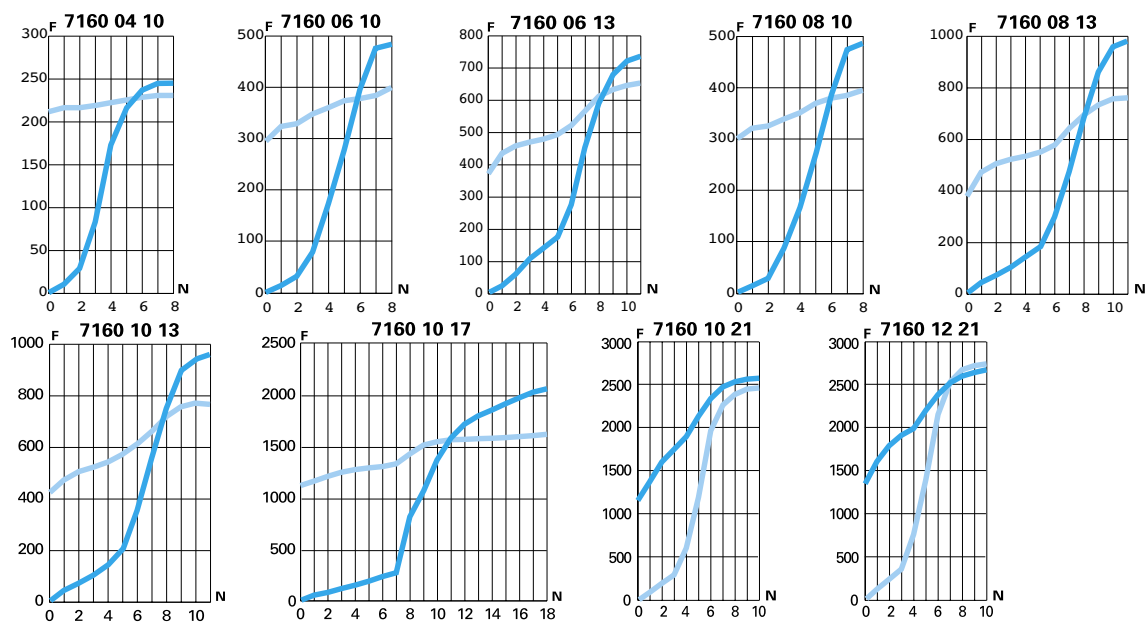
Flow Characteristics (at 6 bar) for Flow Control Regulators



7140



7160

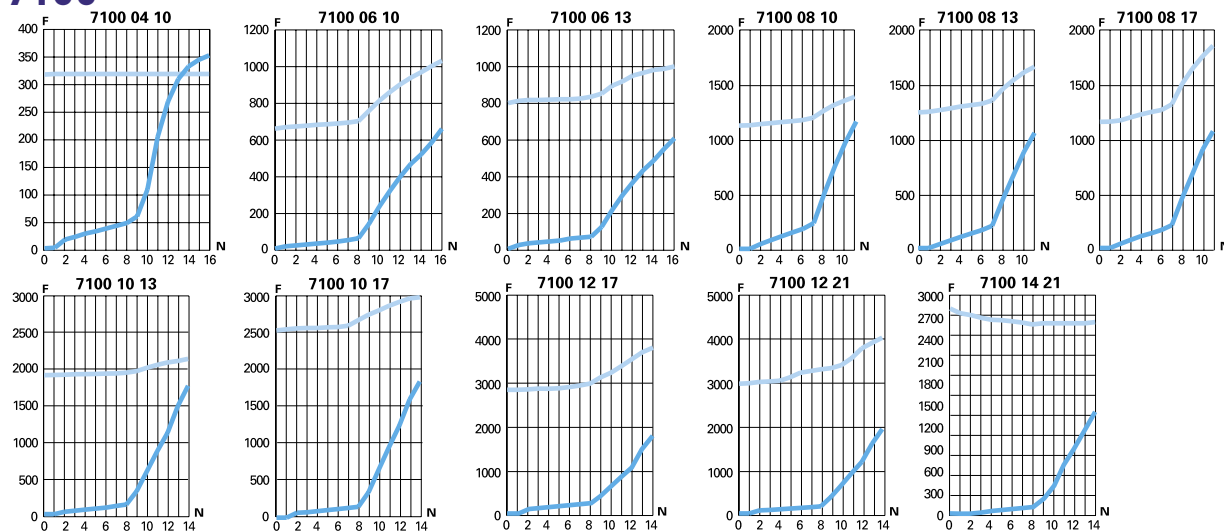


Flow Characteristics (at 6 bar) for Flow Control Regulators

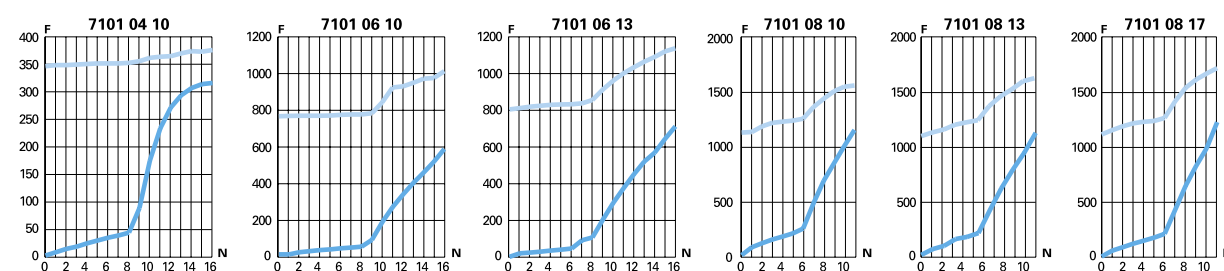


7100
7101

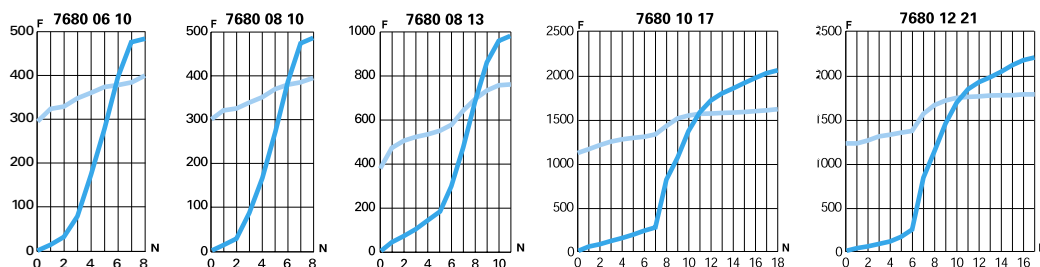
7100



7101



7680



6 bar

█ Direction of adjustment
█ Return

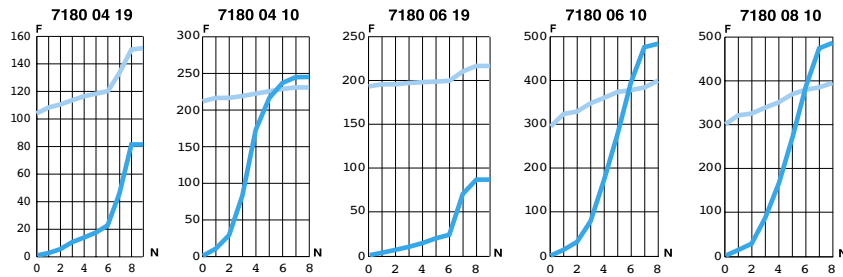
F: Flow in Nl/min

N: Number of turns

Flow Characteristics (at 6 bar) for Flow Control Regulators

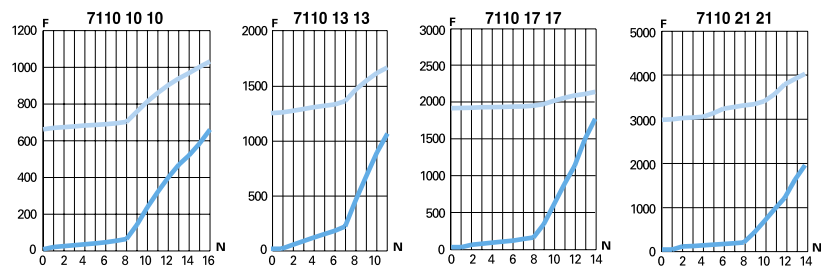


7180

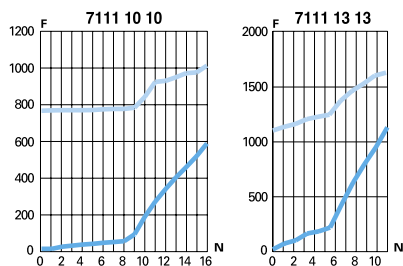


7110 7111

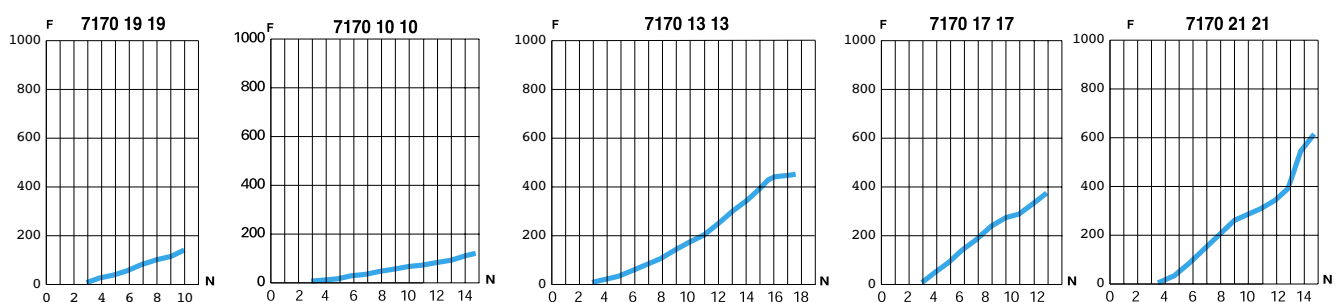
7110



7111



7170



Blocking Fittings



When the pilot signal is removed, these fittings ensure the safety of operators and protect the installation by cutting off the supply of compressed air in the circuit.

Ø metric:
4 to 12 mm

Technical Characteristics

- **Compatible Fluids:** compressed air
- **Working Pressure:** 1 to 10 bar
- **Working Temperature:** -20°C to +70°C
-25°C to +70°C (metal version)

Connection	Supply Flow 6 bar	Pilot and depilot threshold depending on supply pressure					
			2 bar	4 bar	6 bar	8 bar	10 bar
ØD 6 and 8 mm, threads G1/8, G1/4, R1/8, R1/4	650NI /min	Pilot Pressure	2.40	2.90	3.30	3.60	4.00
	650NI /min	Depilot Pressure	1.50	1.80	2.15	2.40	2.80
ØD 10 and 12 mm, threads G3/8, G1/2, R3/8, R1/2	1600NI /min	Pilot Pressure	2.70	3.20	3.50	3.80	4.10
	1600NI /min	Depilot Pressure	1.40	1.80	2.10	2.40	2.70

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

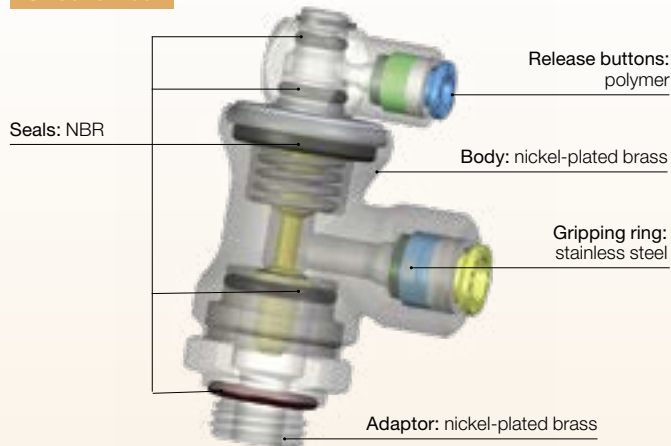
Use is guaranteed with a vacuum of 755 mm Hg (99% vacuum).

Advantages

- Mounted in pairs on a cylinder
- Compact size to fit into any configuration
- Proven endurance according to the requirements of DI 2006/42/EC (B10d = 10 000 000 cycles at a frequency of 1Hz, according to ISO 19973)
- Can be rotated 360° during assembly
- Spark resistance, for welding applications

Component Materials

Silicone-free

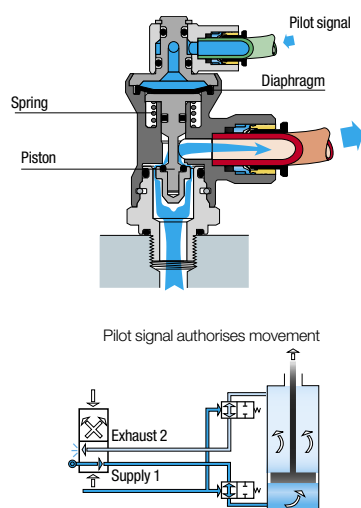


Regulations

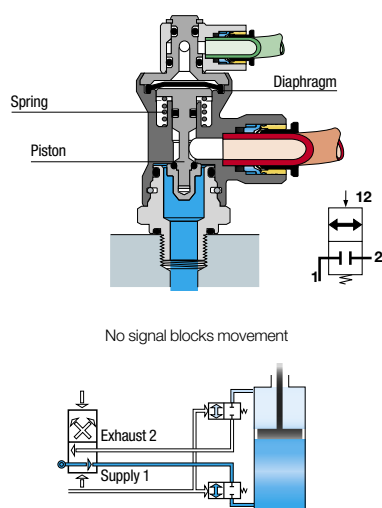
- RoHS
- PED
- REACH
- B10d >110 millions of cycles

Operation

Cylinder in Operation (pilot signal active)

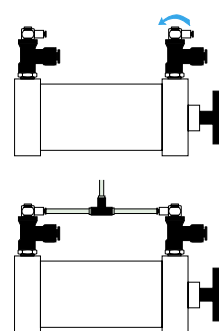


Cylinder Blocked (pilot signal removed)



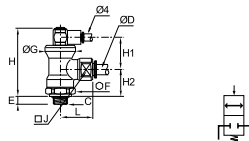
Installation

Mounted in pairs, blocking fittings are installed directly on the cylinder. Being fully orientable, they offer excellent flexibility in the design and installation of pneumatic circuits.



7880 Blocking Fitting, Male BSPP Thread

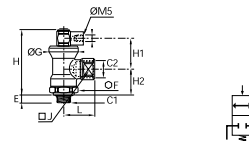
Nickel-plated brass, NBR



ØD	C		E	F	G	H	H1	H2	J	L	Kg
6	G1/8	7880 06 10	5.5	21	24	53	24.5	21	17	28	0.127
	G1/4	7880 06 13	6.5	21	24	53	24.5	21	17	28	0.130
8	G1/4	7880 08 13	6.5	21	24	53	24.5	21	17	28	0.124
	G3/8	7880 08 17	7.5	21	24	53	24.5	21	17	28	0.127
10	G3/8	7880 10 17	7.5	24	28	58	25	25	27	35	0.210
12	G1/2	7880 12 21	9	24	28	58	25	25	27	37.5	0.220

7881 Blocking Fitting, Male/Female BSPP Thread

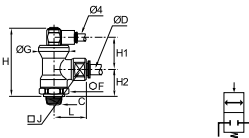
Nickel-plated brass, NBR



C1	C2		E	F	G	H	H1	H2	J	L	Kg
G1/8	G1/4	7881 13 10	5.5	21	24	53	24.5	21	17	25.5	0.119
G1/4	G1/4	7881 13 13	6.5	21	24	53	24.5	21	17	25.5	0.120
G3/8	G3/8	7881 17 17	7.5	24	28	58	25	25	27	34	0.208
G1/2	G1/2	7881 21 21	9	24	28	58	25	25	27	40	0.221

7885 Blocking Fitting, Male BSPT Thread

Nickel-plated brass, NBR

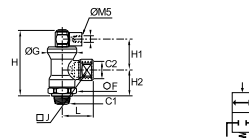


ØD	C		F	G	H	H1	H2	J	L	Kg
6	R1/8	7885 06 10	21	24	51.5	25	20	17	28	0.127
	R1/4	7885 06 13	21	24	51.5	25	20	17	28	0.131
8	R1/4	7885 08 13	21	24	51.5	25	20	17	28	0.126
	R3/8	7885 08 17	21	24	51.5	25	20	17	28	0.131
10	R3/8	7885 10 17	24	28	57	25	24	27	35	0.217
12	R1/2	7885 12 21	24	28	57	25	24	27	37.5	0.229

Pre-coated thread

7886 Blocking Fitting, Male/Female BSPT Thread

Nickel-plated brass, NBR

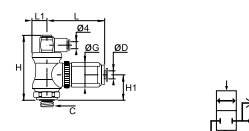


C1	C2		F	G	H	H1	H2	J	L	Kg
R1/8	R1/4	7886 13 10	21	24	51.5	25	20	17	26.5	0.121
R1/4	R1/4	7886 13 13	21	24	51.5	25	20	17	26.5	0.126
R3/8	R3/8	7886 17 17	24	28	57	25	24	27	34	0.225
R1/2	R1/2	7886 21 21	24	28	57	25	24	27	40	0.235

Pre-coated thread

7883 Blocker/Flow Regulator, Exhaust, Male BSPP Thread

Nickel-plated brass, technical polymer, NBR



ØD	C		G	H	H1	L	L max	L1	Kg
4	G1/8	7883 04 10	21.5	53	21	46.5	52	12	0.166
	G1/8	7883 06 10	21.5	53	21	46.5	52	12	0.163
6	G1/4	7883 06 13	21.5	53	21	46.5	52	12	0.166
	G1/4	7883 08 13	27	57.5	24.5	54	60	14	0.252
8	G3/8	7883 08 17	27	57.5	24.5	54	60	14	0.254

Combination of blocking and flow regulation functions
Working temperature: 0 to 70°C

Piloted Non-Return Valves



Piloted non-return valves are designed to protect installations: if the compressed air supply is removed, they lock the air supply to the cylinder, thus maintaining it in position.

Ø metric:
6 to 12 mm

Technical Characteristics

- **Compatible Fluids:** compressed air
- **Working Pressure:** 1 to 10 bar
- **Working Temperature:** -5°C to +60°C
- **Cracking Pressure:** 0.3 bar

Advantages

- Mounted in pairs on a cylinder
- 3 functions in 1 compact product:
 - piloted non-return valve
 - flow control regulator
 - manual exhaust
- Vent saves time on restart after maintenance operations

Component Materials

Silicone-free

Venting button: nickel-plated brass

Body:
nickel-plated brass

Piston:
nickel-plated brass

Valve poppet:
nickel-plated brass,
technical polymer

Gripping ring: stainless steel

Seals: NBR

Locking
nut:
nickel-plated
brass

Flow control regulator body:
technical polymer

Adjustment
screw:
nickel-plated brass

Regulations

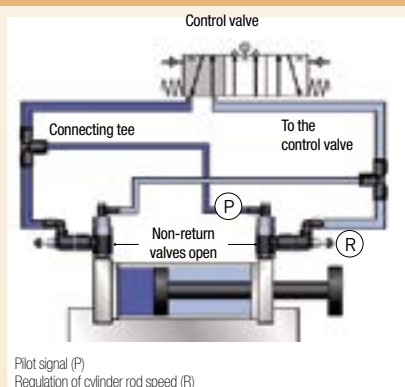
• RoHS

• REACH

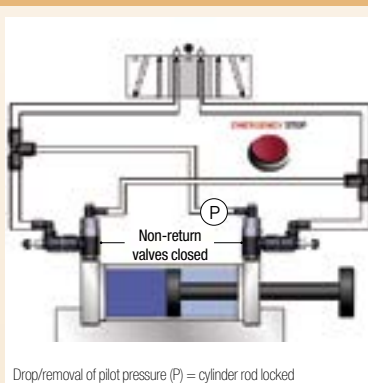
• PED

Operation

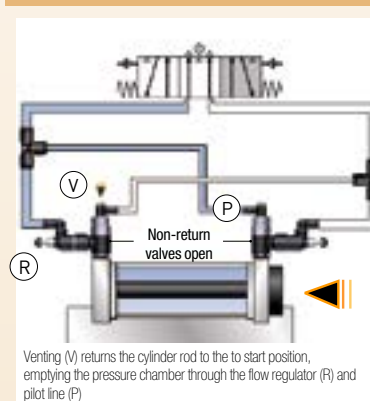
Normal Operation



Emergency Stop or Pressure Drop



Venting Operation



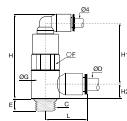
Model		Pilot and depilot threshold				
		2 bar	4 bar	6 bar	8 bar	10 bar
G1/8	Pilot Pressure	1.2	1.72	2.44	2.96	3.56
	Depilot Pressure	0.56	0.96	1.12	1.76	2.12
G1/4	Pilot Pressure	0.92	1.52	2.12	2.68	3.28
	Depilot Pressure	0.64	1.16	1.68	2.16	2.64
G3/8	Pilot Pressure	1.12	1.84	2.56	3.32	4.08
	Depilot Pressure	0.64	1.04	1.44	1.84	2.36
G1/2	Pilot Pressure	1.04	1.60	2.12	2.76	3.88
	Depilot Pressure	0.76	1.28	1.76	2.20	2.72

Maximum Flow at 6 bar (NI/min)	7894 06 10	7894 06 13	7894 08 10	7894 08 13	7894 08 17	7894 10 17	7894 10 21	7894 12 21
Direction of Adjustment	250	475	240	585	875	940	1535	1560
Return	365	620	355	815	1085	1205	1860	1940

Piloted Non-Return Valves

7892 Piloted Non-Return Valve, Male BSPP Thread

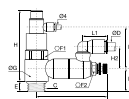
Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F	G	H	H1	H2	L	Kg
6	G1/8	7892 06 10	6	13	14	42	30	7	21	0.020
	G1/4	7892 06 13	9	17	18.5	45	32	9	23	0.042
8	G1/8	7892 08 10	6	13	14	42	29	9	25	0.020
	G1/4	7892 08 13	9	17	18.5	45	32	9	27	0.042
10	G3/8	7892 08 17	6	20	22.5	57	41	11	28	0.093
	G3/8	7892 10 17	6	20	22.5	57	41	11	31	0.144
12	G1/2	7892 10 21	10	24	28	63	47	16	36	0.109
	G1/2	7892 12 21	10	24	28	63	47	16	36	0.150

7894 Piloted Non-Return Valve with Flow Regulator Exhaust, Male BSPP Thread

Technical polymer, Nickel-plated brass



ØD	C		E	F1	F2	G	H	H1	H2	H3	L	L max	L1	Kg
6	G1/8	7894 06 10	6	13	8	14	46	7	24	31	48.5	51	16	0.041
	G1/4	7894 06 13	9	17	10	18.5	49	11	18	31	59.5	65	17	0.067
8	G1/8	7894 08 10	6	13	8	14	46	7	27	31	48.5	51	22	0.051
	G1/4	7894 08 13	9	17	10	18.5	49	11	23	31	59.5	65	23	0.068
10	G3/8	7894 08 17	7	20	14	22.5	69	13	21	40	67.5	73	23	0.060
	G3/8	7894 10 17	7	20	14	22.5	69	13	29	40	67.5	73	26	0.061
12	G1/2	7894 10 21	9	24	17	28	76	12.5	26	47	74	81	26	0.234
	G1/2	7894 12 21	9	24	17	28	76	12.5	27	47	74	81	30	0.237

Metal Quick Exhaust Valves



This range of metal quick exhaust valves is offered in nickel-plated brass, aluminium and stainless steel. The exhaust into the atmosphere accelerates the return speed of the cylinder rod.

Technical Characteristics

- **Compatible Fluids:** Compressed air
- **Working Pressure:** 7970: 0.7 to 10 bar
7971 and 7899: 2 to 10 bar
- **Working Temperature:** 7970: -20°C to +70°C
7971: -10°C to +70°C
7899: Threads G1/8 and G1/4: -10°C to +120°C
Threads G3/8 to G1: -20°C to +80°C

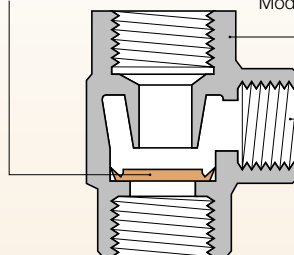
Component Materials

Silicone-free

Lip seals:
7970-7971: polyurethane elastomer
7899: - G1/8 and G1/4 FKM
- G3/8 to G1, polyurethane

Body:
Model 7970: nickel-plated brass
Model 7971: anodised aluminium
Model 7899: stainless steel

Integrated silencer:
stainless steel (model 7971)



Advantages

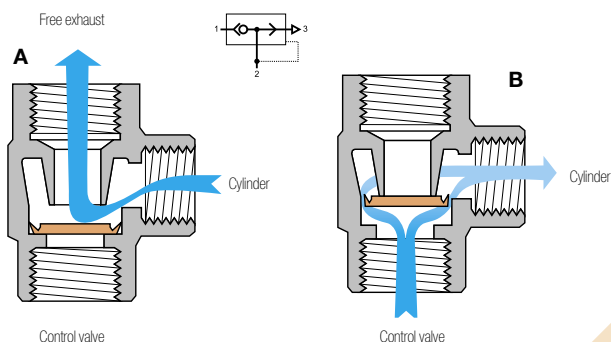
- Cycle time reduction: increased return speed
- Exhaust silencer integrated and 360° orientation available on some versions

Regulations

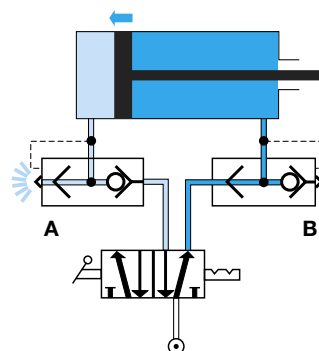
- RoHS
- REACH
- PED

Operation

Mounted on Cylinder

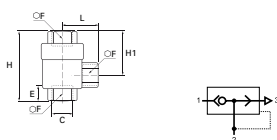


Installation Diagram



7970 Elbow Quick Exhaust Valve, Female BSPP and Metric Thread

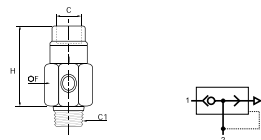
Nickel-plated brass



C		E	F	H	H1	L	Kg
M5x0.8	7970 19 19	5	10	24.8	15.6	4	0.029
G1/8	7970 10 10	7.5	14	42	28	8	0.084
G1/4	7970 13 13	11	19	53	34.5	11	0.150
G3/8	7970 17 17	12	21	58	36	12	0.153
G1/2	7970 21 21	14	26	71	44	14	0.312
G3/4	7970 27 27	16	32	86	52	18	0.449
G1	7970 34 34	19	38	94	56	19	0.528

7971 Elbow Quick Exhaust Valve, Male BSPT/ Female BSPP Thread

Treated aluminium

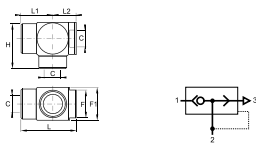


C	C1		F	H	Kg
G1/8	R1/8	7971 10 10	18	32.5	0.013
G1/4	R1/4	7971 13 13	18	35.5	0.018
G3/8	R3/8	7971 17 17	27	45	0.048
G1/2	R1/2	7971 21 21	34	52	0.086

Noise level:
7971 10 10: 70 dBa
7971 13 13: 70 dBa
7971 17 17: 72 dBa
7971 21 21: 88 dBa

7899 Quick Exhaust Valve, Female BSPP Thread

Stainless steel 316L



DN	C		F	F1	H	L	L1	L2	Kg
7	G1/8	7899 00 10	17	22	31.5	37.5	21	16.5	0.096
	G1/4	7899 00 13	17	22	31.5	37.5	21	16.5	0.083
9	G3/8	7899 00 17	22	26	37	44.5	25.5	19	0.140
12	G1/2	7899 00 21	27	32	45	54	31	23	0.235
18	G3/4	7899 00 27	38	46	65	79	44	35	0.800
	G1	7899 00 34	38	46	65	79	44	35	0.667

Noise level:

7971 10 10: 70 dBa

7971 13 13: 70 dBa

7971 17 17: 72 dBa

7971 21 21: 88 dBa

Non-Return Valves



Non-return valves allow compressed air to flow in one direction and prevent it from flowing in the other. Protect the circuit upstream.

Ø metric:
4 to 12 mm

Technical Characteristics

Compatible Fluids	Compressed air	
Working Pressure	1 to 10 bar	
Working Temperature	0°C to +70°C	
Cracking Pressure	0.3 bar	
Flow Characteristics (Nl/min)	Model	Flow at 6 bar
	4 mm	350
	6 mm	670
	8 mm	1080
	10 mm	2230
	12 mm	2300

Advantages

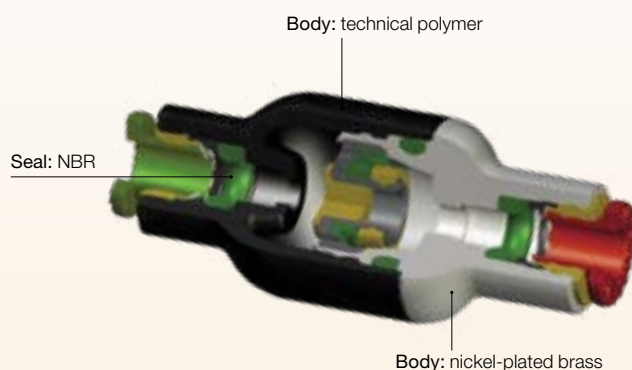
- Available in threaded or push-in version
- Proven endurance according to the requirements of the DI 2006/42/CE

Safe installation:

- Symbol showing the operating direction of flow
- Colour code: green for supply version, red for exhaust version

Component Materials

Silicone-free

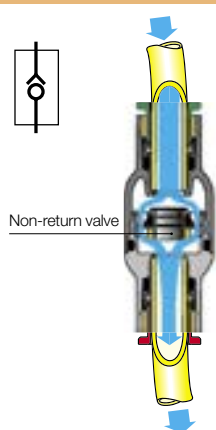


Regulations

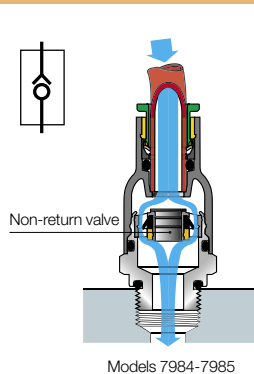
- RoHS
- REACH
- PED
- B10d: > 40 millions of cycles

Operation

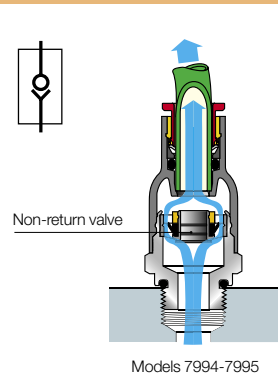
In-Line Version



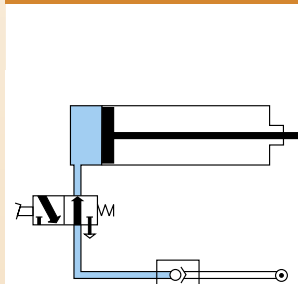
Supply Version



Exhaust Version



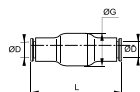
Installation Diagram



Non-Return Valves

7996 In-Line Equal Non-Return Valve

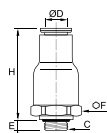
Technical polymer, Nickel-plated brass, NBR



ØD		G	L	Kg
4	7996 04 00	16	38.5	0.008
6	7996 06 00	16	41	0.013
8	7996 08 00	19	51.5	0.017
10	7996 10 00	23	63.5	0.070
12	7996 12 00	23	66.5	0.050

7984 In-Line Non-Return Valve, Supply, Male BSPP and Metric Thread

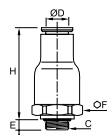
Technical polymer, Nickel-plated brass, NBR



ØD	C	E	F	H	Kg
4	M5x0.8 7984 04 19	3	9	32	0.008
	G1/8 7984 04 10	5	16	28.5	0.015
6	G1/8 7984 06 10	5	16	30.5	0.015
	G1/4 7984 06 13	5.5	16	30.5	0.015
8	G1/8 7984 08 10	5	19	36	0.021
	G1/4 7984 08 13	5.5	19	36	0.023

7994 In-Line Non-Return Valve, Exhaust, Male BSPP and Metric Thread

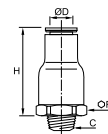
Technical polymer, Nickel-plated brass, NBR



ØD	C	E	F	H	Kg
4	M5x0.8 7994 04 19	3	9	32	0.790
	G1/8 7994 04 10	5	16	28.5	0.018
6	G1/8 7994 06 10	5	16	30.5	0.015
	G1/4 7994 06 13	5.5	16	30.5	0.015
8	G1/8 7994 08 10	5	19	36	0.023
	G1/4 7994 08 13	5.5	19	36	0.023
12	G1/2 7994 12 21	7.5	23	44	0.045

7985 In-Line Non-Return Valve, Supply, Male BSPT Thread

Technical polymer, Nickel-plated brass, NBR

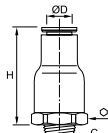


ØD	C	F	H	Kg
4	R1/8 7985 04 10	16	28.5	0.016
6	R1/8 7985 06 10	16	30.5	0.016
	R1/4 7985 06 13	16	30.5	0.021
8	R1/8 7985 08 10	19	36	0.022
	R1/4 7985 08 13	19	36	0.020
12	R1/2 7985 12 21	23	44	0.048

Pre-coated thread

7995 In-Line Non-Return Valve, Exhaust, Male BSPT Thread

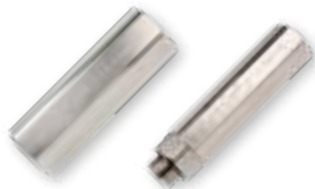
Technical polymer, Nickel-plated brass, NBR



ØD	C	F	H	Kg
4	R1/8 7995 04 10	16	28.5	0.015
6	R1/8 7995 06 10	16	30.5	0.016
	R1/4 7995 06 13	16	30.5	0.022
8	R1/8 7995 08 10	19	36	0.022
	R1/4 7995 08 13	19	36	0.026
12	R3/8 7995 12 17	23	42	0.042

Pre-coated thread

Adjustable Non-Return Valves



These nickel-plated brass adjustable non-return valves allow compressed air to flow in one direction and prevent flow in the other. They incorporate precise adjustment of opening pressure in the return direction.

Technical Characteristics

- **Compatible Fluids:** compressed air
- **Working Pressure:** 0 to 12 bar
- **Working Temperature:** -20°C to +80°C

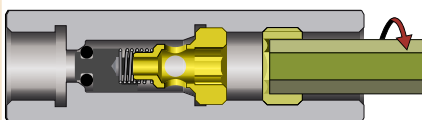
Cracking Pressure	Threads		0 to 4 turns (values given as an example only)			
	M5x0.8 - G1/8 - G1/4		1 to 0.10 bar			
	G3/8		1 to 0.15 bar			
Max. Tightening Torques	G1/2		1 to 0.20 bar			
	Threads	M5 x0.8	G1/8	G1/4	G3/8	G1/2
	daN.m	0.16	0.8	1.2	3	3.5

Advantages

- Adjustment and locking of the non-return valve cracking pressure with two 2 Allen keys prevents the settings from being accidentally changed
- Designed with locking nut to protect initial setting in the event of vibration or accidental handling
- Developed for the food process industry (FDA compliance) and smooth external profile to facilitate cleaning in situ

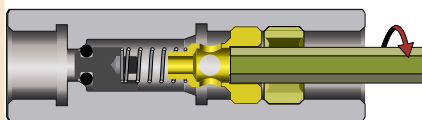
Operation

Step 1



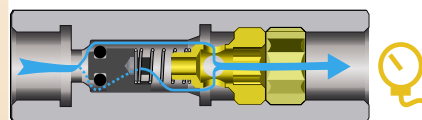
Unscrew the locking nut with an Allen key.

Step 2



Unscrew the adjustment nut with a smaller Allen key to adjust the cracking pressure. The number of turns adjusts the cracking pressure from 1 bar to 0.10 bar.

Step 3

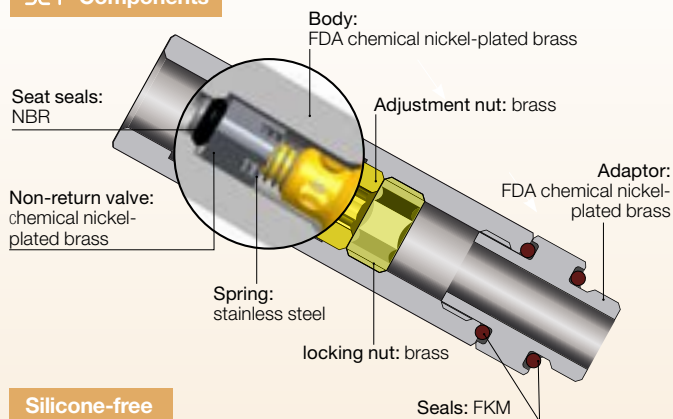


Tighten the locking nut with the Allen key to lock the cracking pressure setting. Then, control the pressure with a pressure gauge downstream.

Component Materials



External Components



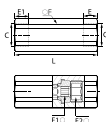
Silicone-free

Regulations

- RoHS
- FDA : 21CFR
- REACH

7930 Adjustable Check Valve, Double Female BSPP and Metric Thread

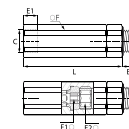
FDA chemical Nickel-plated brass, FKM



C		E	E1	F	F1	F2	L	Kg
M5x0.8	7930 19 19	8	4	13	4	6	49	0.055
G1/8	7930 10 10	8	6	13	4	6	45	0.033
G1/4	7930 13 13	10	7.5	16	6	8	54	0.073
G3/8	7930 17 17	11	8.5	20	8	10	61.5	0.163
G1/2	7930 21 21	13	10	24	10	12	73	0.171

7931 Adjustable Check Valve Supply, Male/Female BSPP Thread

FDA chemical Nickel-plated brass, FKM

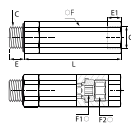


C		E	E1	F	F1	F2	L	Kg
G1/8	7931 10 10	5.5	6	13	4	6	51.5	0.043
G1/4	7931 13 13	6.5	7.5	16	6	8	61.5	0.208
G3/8	7931 17 17	7.5	8.5	20	8	10	70	0.125
G1/2	7931 21 21	9	10	24	10	12	82.5	0.212

Adjustable Non-Return Valves

7932 Adjustable Check Valve Exhaust, Male/ Female BSPP Thread

FDA chemical Nickel-plated brass, FKM



C		E	E1	F	F1	F2	L	Kg
G1/8	7932 10 10	5.5	8	13	4	6	51.5	0.009
G1/4	7932 13 13	6.5	10	16	6	8	61.5	0.058
G3/8	7932 17 17	7.5	11	20	8	10	70	0.123
G1/2	7932 21 21	9	13	24	10	12	82.5	0.212

Complementary Products for Adjustable Non-Return Valves

Fittings

LF 3000



LF 3600



Nickel-Plated Accessories





LIQUIfit® non-return valves allow flow in one direction and prevent any return flow. Fitted in the circuit, they provide total protection.

Ø metric: 6 to 12 mm
Ø inch: 1/4" to 1/2"

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"

Advantages

- Fully compatible for use with water, beverages, liquid foodstuffs and gas
- Excellent chemical compatibility
- Hygienic design with smooth surfaces

Component Materials

Silicone-free

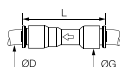


Regulations

- RoHS
- FDA: 21 CFR
- NSF 51
- REACH

7992 Single Non-Return Valve

POM, EPDM



ØD		G	L	Kg
6	7992 06 00WP2	15.5	45.5	0.007
8	7992 08 00WP2	17.5	48.5	0.010
10	7992 10 00WP2	20	57.5	0.014
12	7992 12 00WP2	23.5	67.5	0.022

7992 Single Non-Return Valve

Inch

POM, EPDM



ØD		G	L	Kg
1/4	7992 56 00WP2	17	51	0.008
3/8	7992 60 00WP2	20	55	0.011
1/2	7992 62 00WP2	23	68	0.021

5/16" also available = 7992 08 00WP2

Associated Products

The full range of LIQUIfit® products can be found in this catalogue:

- Push-in fittings for metric and inch tubing (Chapter 1)
- Valves (Chapter 4)

To complement the LIQUIfit® range, Parker Legris Advanced PE tubing (Chapter 3) is suited to the most demanding environments, approved for permanent contact with beverage and food products, as well as for water treatment.

Stainless Steel Non-Return Valves



In harsh environments or for corrosive industrial fluids, stainless steel non-return valves allow fluids to flow in one direction and prevent them from flowing in the other.

Technical Characteristics

- **Compatible Fluids:** Many fluids
- **Working Pressure:** 0.5 to 40 bar
- **Working Temperature:** -20°C to +180°C

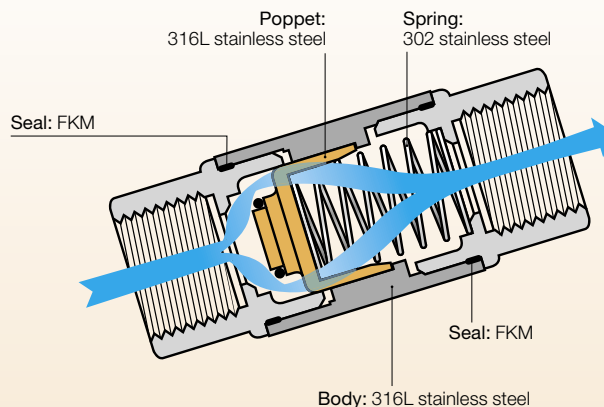
	Threads	NI/min	Kv
Flow Characteristics	G1/8	18.88	1.60
	G1/4	19.91	1.69
	G3/8	35.54	3.01
	G1/2	36.50	3.10
	G3/4	65.86	5.59
	G1	92.60	7.86
Cracking Pressure	0.25 bar		

Advantages

- Mechanical robustness and reduced dimensions
- Suitable for use with many chemicals or in corrosive environments
- Flow direction symbol protects against incorrect installation
- Smooth external surfaces contribute to equipment cleanliness

Component Materials

Silicone-free

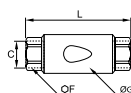


Regulations

- RoHS
- REACH
- PED

4890 Non-Return Valve, Female BSPP Thread

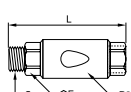
Stainless steel 316L, FKM



DN	C		F	G	L	Kg
10	G1/8	4890 10 10	17	22	50	0.082
	G1/4	4890 13 13	17	22	50	0.073
15	G3/8	4890 17 17	22	30	67	0.183
	G1/2	4890 21 21	24	30	71	0.182
20	G3/4	4890 27 27	32	42	84	0.288
25	G1	4890 34 34	38	42	90	0.418

4891 Non-Return Valve, Supply, Male BSPP Thread/Exhaust, Female BSPP Thread

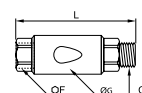
Stainless steel 316L, FKM



DN	C		F	G	L	Kg
10	G1/8	4891 10 10	17	22	56	0.084
	G1/4	4891 13 13	17	22	58	0.082
15	G3/8	4891 17 17	22	30	75	0.191
	G1/2	4891 21 21	24	30	79	0.210
20	G3/4	4891 27 27	32	42	84	0.300
25	G1	4891 34 34	38	42	102	0.519

4892 Non-Return Valve, Supply, Female BSPP Thread/Exhaust, Male BSPP Thread

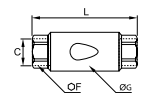
Stainless steel 316L, FKM



DN	C		F	G	L	Kg
10	G1/8	4892 10 10	17	22	56	0.090
	G1/4	4892 13 13	17	22	58	0.082
15	G3/8	4892 17 17	22	30	75	0.191
	G1/2	4892 21 21	24	30	79	0.210
20	G3/4	4892 27 27	32	42	84	0.313
25	G1	4892 34 34	38	42	102	0.514

4895 Non-Return Valve, Female NPT Thread

Stainless steel 316L, FKM



DN	C		F	G	L	Kg
10	NPT1/8	4895 11 11	17	22	50	0.082
	NPT1/4	4895 14 14	17	22	54	0.079
15	NPT3/8	4895 18 18	22	30	67	0.194
	NPT1/2	4895 22 22	24	30	77	0.195

Soft Start Fittings



To prevent the risk of industrial accidents, the pressure increase in the downstream circuit allows soft start of the installation.

Ø metric:
8 to 10 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
- **Working Pressure:** 3 to 10 bar
- **Working Temperature:** -15°C to +60°C

Max. Tightening Torques	Threads		daN.m
	G1/4		1.3
	G3/8		1.5
Flow Characteristics	Model	Flow at 6 bar	Kv
	7860 08 13	1500 NI/min	0.80
	7860 10 13	2100 NI/min	1.20
Flow Characteristics	Model	Flow at 6 bar	Kv
	7860 10 17	2200 NI/min	1.30
	7870 08 13	1500 NI/min	0.80
Flow Characteristics	Model	Flow at 6 bar	Kv
	7870 10 13	2000 NI/min	1.15
	7870 10 17	2000 NI/min	1.15

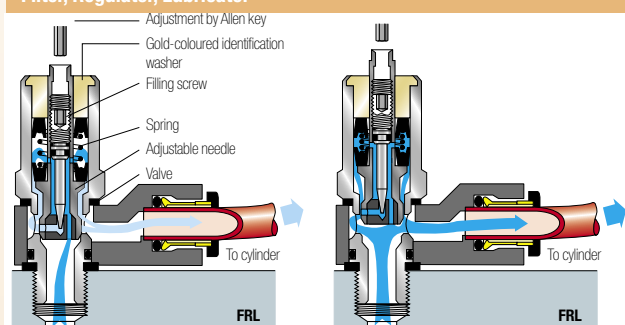
Component Materials

Silicone-free

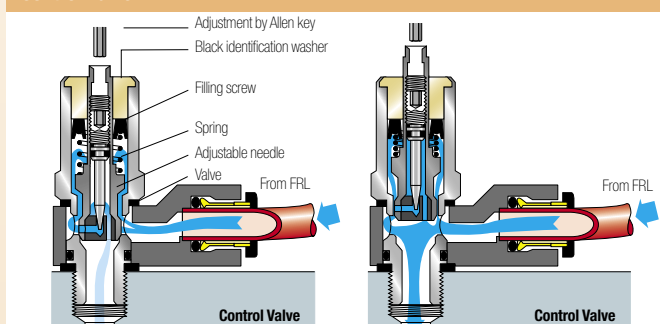


Operation

Filter, Regulator, Lubricator



Control Valve



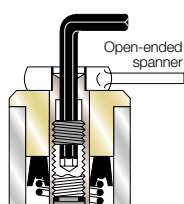
Adjustment of the Filling Screw

Adjusting the screw to regulate the flow of air optimises the time taken to pressurise depending on the air volume to be refilled and the system requirements.

To adjust:

- immobilise the piston using a spanner
- adjust the screw with an Allen key
 - 1.5 mm key for 8 mm diameter
 - 2.5 mm key for 10 and 12 mm diameter

Max. tightening torque: 0.1 daN.m



Advantages

Protection of equipment and personnel:

- Prevents the risk of damage after any stoppage which requires the system to be vented
- Returns the control valve to its initial position in total safety
- Adjustment of the pressurisation speed

Mounted on FRL:

- 7860: yellow identification washer
- Protection for the whole system
- Simultaneous pressurisation speed of the whole system

Mounted on Control Valve:

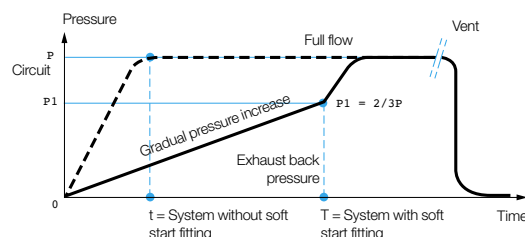
- 7870: black identification washer
- Protection of individual circuits
- Mounted on the control valve, it optimises the pressurisation speed of a specific cylinder

Regulations

- RoHS
- REACH
- PED

Cylinder Pressure Cycle

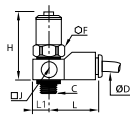
When the downstream pressure reaches 2/3 of the supply pressure, full flow is automatically established



Soft Start Fittings

7860 Soft Start Fitting for Isolating Valve, Male BSPP Thread

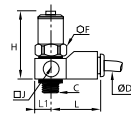
Technical polymer, Nickel-plated brass, NBR



ØD	C		F	H max	H min	J	L	L1	Kg
8	G1/4	7860 08 13	17	61	54	20	35	10	0.064
10	G1/4	7860 10 13	22	62	55	25	41	12.5	0.112
	G3/8	7860 10 17	22	62	55	25	41	12.5	0.115

7870 Soft Start Fitting for Control Valve, Male BSPP Thread

Technical polymer, Nickel-plated brass, NBR

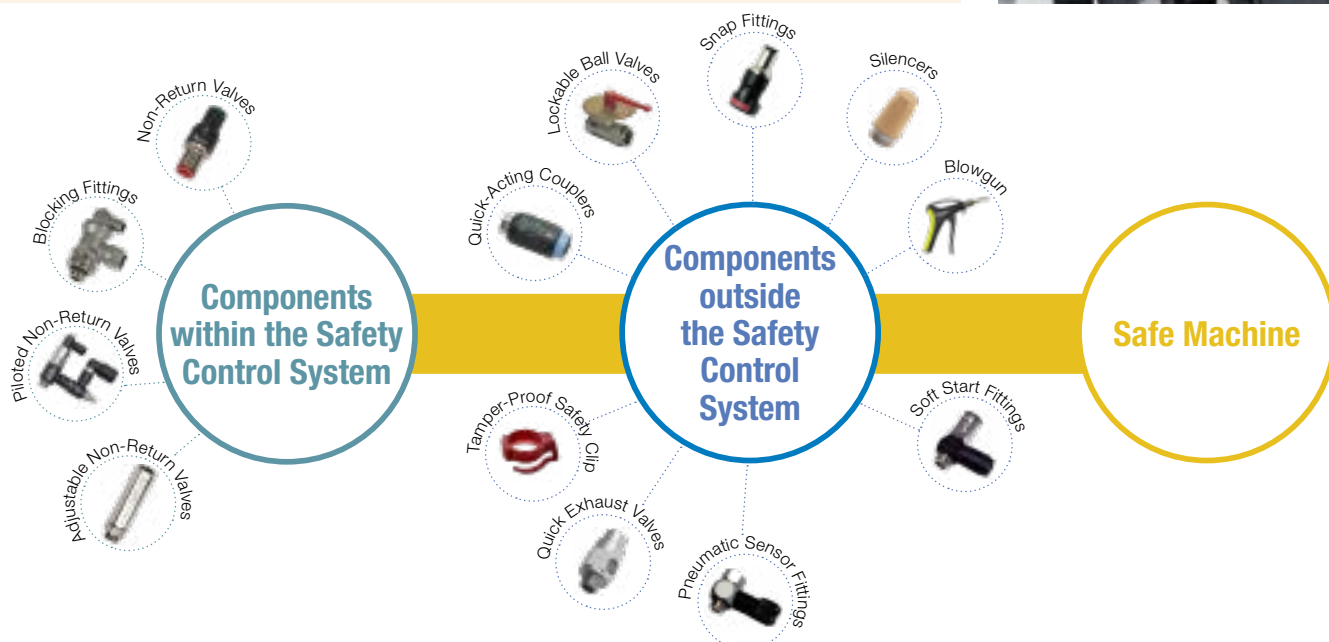


ØD	C		F	H max	H min	J	L	L1	Kg
8	G1/4	7870 08 13	17	61	54	20	35	10	0.066
10	G1/4	7870 10 13	22	62	55	25	41	12.5	0.113
	G3/8	7870 10 17	22	62	55	25	41	12.5	0.116

Our Safety Programm: Conformity to 2006/42/EC Directive and ISO 13849-1 Standard

More than 250 dedicated part numbers for:

- Zero accident for our customers
- Machine integrity
- Compliance of equipment



Pressure Regulator Fittings



Pressure regulators stabilise at the maximum determined value the pressure, whatever the fluctuations of the pressure upstream.

Ø metric:
4 to 10 mm

Technical Characteristics (7300)

- **Compatible Fluids:** Compressed air
- **Working Pressure:** Upstream pressure: 1 to 16 bar
Downstream pressure: 1 to 8 bar
- **Working Temperature:** -10°C to +70°C

Tightening Torque (BSPT)	Thread	G1/8	G1/4	G3/8
	daN.m	0.4	0.5	0.6

Advantages

- Lockable adjustment possible of the setpoint
- Output pressure adjustment options marked on the screw
- Installation in a manifold allows optimum output pressures to be delivered to specific parts of the circuit
- Designed for applications where cylinder force needs to be controlled: marking, sleeving, crimping cylinders etc.

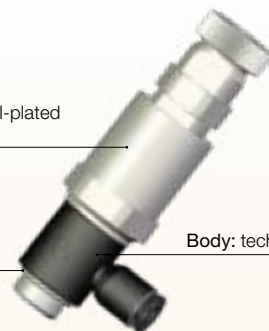
Component Materials (7300)

Silicone-free

Screw: nickel-plated brass

Seal: nitrile

Body: technical polymer



Regulations

• RoHS

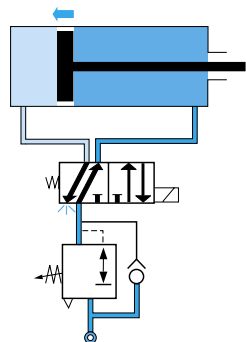
• REACH

• PED

Operation

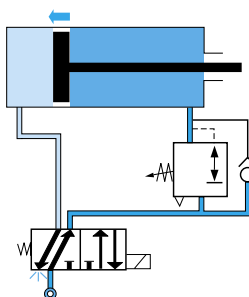
Mounting Upstream of the Control Valve

Adjustment of the piston feed pressure in both directions

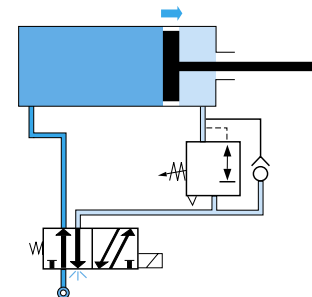


Mounting Downstream of the Control Valve

Phase 1: adjustment of the piston speed in a single direction

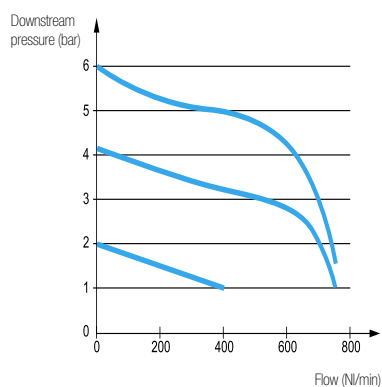


Phase 2: in return direction, pressure is supplied through the control valve

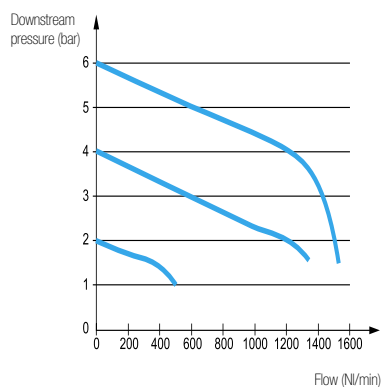


Flow Characteristics at 7 bar (Nl/min)

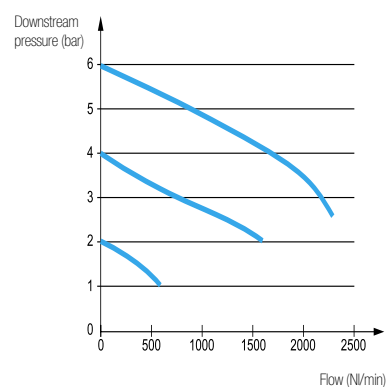
G1/8 Models



G1/4 Models



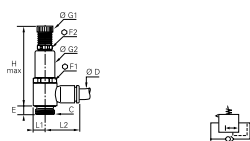
G3/8 Models



Pressure Regulator Fittings

7300 Pressure Regulator, Male BSPP Thread

Technical polymer, Nickel-plated brass, NBR



ØD	C		E	F1	F2	G1	G2	H max	L1	L2	Kg
4	G1/8	7300 04 10	4.5	17	13	14	17	65	7	18.5	0.047
	G1/8	7300 06 10	4.5	17	13	14	17	65	7	20	0.047
6	G1/4	7300 06 13	7.5	17	13	14	17	74.5	9.5	22	0.065
	G1/8	7300 08 10	4.5	17	13	14	17	65	7	25	0.048
8	G1/4	7300 08 13	7.5	17	13	14	17	74.5	9.5	27	0.066
	G3/8	7300 08 17	8.5	22	17	18.5	22	84	11.5	28.5	0.122
10	G1/4	7300 10 13	7.5	17	13	14	17	74.5	9.5	29	0.066
	G3/8	7300 10 17	8.5	22	17	18.5	22	84	11.5	30.5	0.122

DRV Pressure Reducing Valve

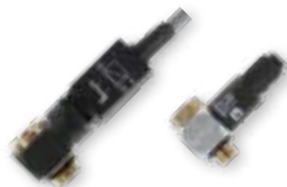
Brass



A	A1		HEX	L	L1	Inlet Pressure	Outlet Pressure *
G1/4	G1/4	DRV13/20	17	34	9	15 bar	2.6 bar
G1/4	G1/4	DRV13/30	17	34	9	15 bar	3.7 bar
G1/4	G1/4	DRV13/40	17	34	9	15 bar	4.5 bar
G1/4	G1/4	DRV13/50	17	34	9	15 bar	5.4 bar
G1/4	G1/4	DRV13/60	17	34	9	15 bar	6.2 bar
G1/4	G1/4	DRV13/70	17	34	9	15 bar	8 bar
G1/4	G1/4	DRV13/80	17	34	9	15 bar	8.2 bar
G1/4	G1/4	DRV13/100	17	34	9	15 bar	10.2 bar

* Tolerance outlet pressure +/- 0.5 bar

Pneumatic Sensor Fittings



The sensor produce a pneumatic or electric output signal when the pressure drop in the exhaust chamber of the cylinder goes below their back pressure threshold.

Ø metric:
4 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
- **Working Pressure:** 3 to 8 bar
- **Working Temperature:** -15°C to +60°C
- **Back Pressure:** 0.85 to 1 bar
- **Switching Time:** Model 7818: 3 ms
- **Open/Closed Contact:** Model 7828: 2A / 0-48 V
2A / 250 V 50 Hz

Advantages

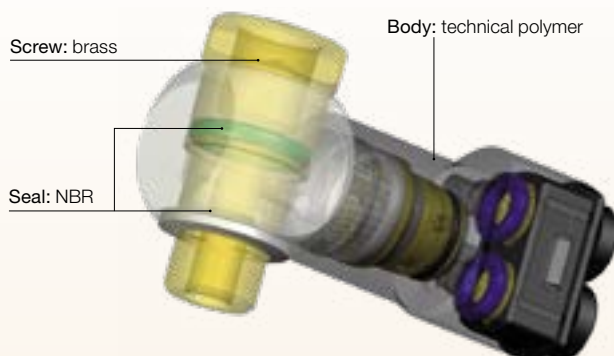
- Detection of end of cylinder rod stroke
- With Pneumatic Output**
Totally pneumatic installation
2 possible installations:
 - Supplied with permanent pressure (P1): produces a pneumatic signal when the back pressure threshold is reached
 - Supplied from the control valve-cylinder circuit on the opposite side: no unexpected pneumatic signal (S) can appear during pressurisation due to the actuating pressure which supplies the sensor fitting (P1)

With Electrical Output

 - Combined electrical and pneumatic installation
 - Installation with continuous electrical supply only (BU)
 - Guarantees an electrical signal when the back pressure threshold is reached

Component Materials

Silicone-free

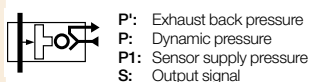


Regulations

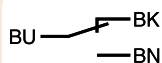
- RoHS
- REACH
- PED

Operation

Pneumatic Installation Diagram

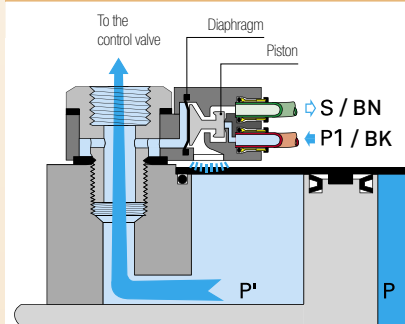


Electrical Installation Diagram

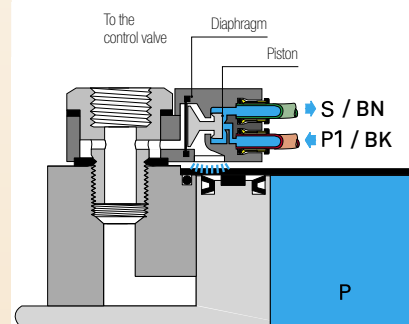


Connection via 3 core 0.5 mm² cable, 2 meters long.
Contactor: 5A / 250 V ~ or 5W / 48V ==

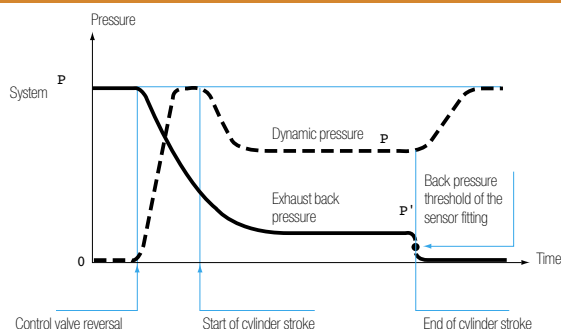
Cylinder in Operation



Cylinder in Final Position

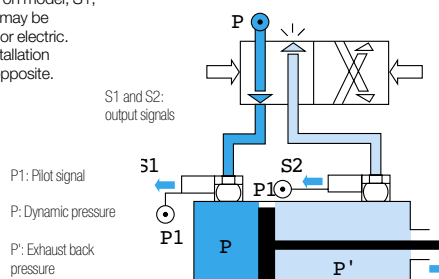


Cylinder Pressure Cycle



Installation Diagram

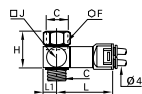
Depending on model, S1, S2 and P1 may be pneumatic or electric. See the installation diagrams opposite.



Pneumatic Sensor Fittings

7818 Pneumatic Sensor Fitting, Male BSPP and Metric Thread

Zamak, NBR, technical polymer, brass

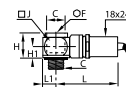


ØD	C		F	H	J	L	L1	Kg
M5x0.8	7818 04 19*		8	16	11	43.5	5.5	0.025
G1/8	7818 04 10		14	23	16	44.5	8	0.043
G1/4	7818 04 13		17	28	19.5	46.5	10	0.061
G3/8	7818 04 17		22	29	23.5	49	12	0.083
G1/2	7818 04 21		27	30	31.5	52.5	16	0.125

* Bolt zinc passivated steel

7828 Pneumatic/Electric Sensor, Male/Female BSPP and Metric Thread

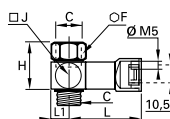
Technical polymer, NBR, brass



C		F	H	H1	J	L	L1	Kg
M5x0.8	7828 00 19	8	20	10	11	49	5.5	0.116
G1/8	7828 00 10	6	20	10	16	52	8	0.132
G1/4	7828 00 13	8	20	10	21	54	10.5	0.142
G3/8	7828 00 17	10	22	12	28	57	14	0.171

7818 Pneumatic Sensor, Male/Female BSPP Thread

Zamak, NBR, technical polymer, brass



C		F	H	J	L	L1	Kg
G1/8	7818 19 10	14	23	16	40.5	8	0.049
G1/4	7818 19 13	17	28	19.5	42.5	10	0.065

Snap Fittings



The snap fittings enable a circuit to be isolated without the need to vent the complete system.

Ø metric:
6 to 10 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
- **Working Pressure:** 0 to 10 bar
- **Working Temperature:** -20°C to +80°C
- **Flow Characteristics at 6 bar:** DN 5 mm: 1000 Nl/min
DN 7 mm: 1900 Nl/min

Tightening Torque (BSPT)

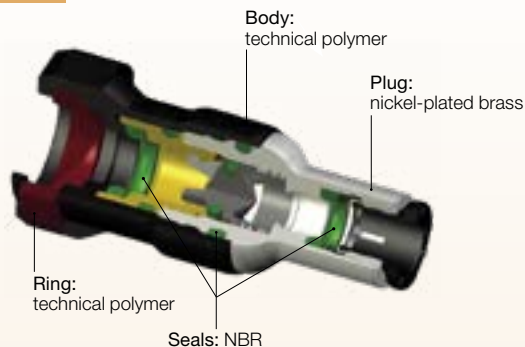
Thread	G1/8	G1/4	G3/8
daN.m	0.8	1.2	3

Advantages

- Partial venting of systems for energy and time-saving during maintenance operations
- Protection of individuals by maintaining pressure if necessary
- Audible click indicates connection
- Circuit identification by coloured rings (on request)

Component Materials

Silicone-free

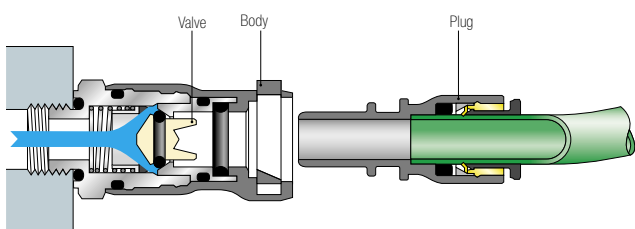


Regulations

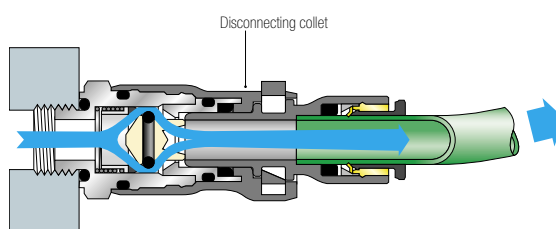
- RoHS
- REACH
- PED

Operation

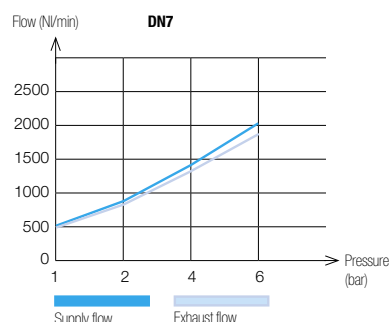
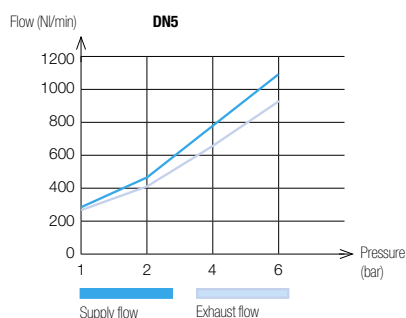
Circuit Closed



Circuit Open

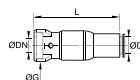


Flow Characteristics - Pressure Drop



7926 Body with Push-In Connection

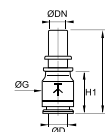
Technical polymer, Nickel-plated brass, NBR



DN	ØD		G	L	Kg
5	6	7926 05 06	18.5	44	0.020
5	8	7926 05 08	18.5	49	0.024
7.3	10	7926 07 10	22	58.5	0.044

7960 Straight Probe, Push-In Connection

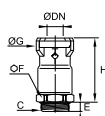
Technical polymer, NBR



DN	ØD		G	H	H1	Kg
5	6	7960 05 06	13.5	36.5	17.5	0.007
5	8	7960 05 08	13.5	37	18	0.003
7.3	10	7960 07 10	16	41	20.5	0.004

7921 Body with Male BSPP Thread

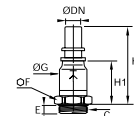
Technical polymer, Nickel-plated brass, NBR



DN	C		E	F	G	H	Kg
5	G1/8	7921 05 10	5.5	16	18.5	31.5	0.021
5	G1/4	7921 05 13	5.5	16	18.5	31.5	0.023
7.3	G1/4	7921 07 13	5.5	20	22	37.5	0.039
7.3	G3/8	7921 07 17	5.5	20	22	37.5	0.040

7961 Straight Probe, Male BSPP Thread

Technical polymer, Nickel-plated brass, NBR



DN	C		E	F	G	H	H1	Kg
5	G1/8	7961 05 10	5.5	13	13.5	46	27	0.017
5	G1/4	7961 05 13	5.5	16	13.5	46	27	0.020
7.3	G1/4	7961 07 13	5.5	16	16	51.5	31	0.025
7.3	G3/8	7961 07 17	5.5	20	16	51.5	31	0.034

Manually-Operated Valves



Manually-operated provide a significant reduction in the time needed to work on pneumatic circuits and isolate the circuit when the system has to be switched frequently.

Ø metric:
4 to 8 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
- **Working Pressure:** 0 to 10 bar
Model 0669: 0 to 16 bar
- **Working Temperature:** -10°C to +80°C
Model 0669: -5°C to +70°C

Advantages

Manual switch-operated valves:

- 2 models:
 - 3/2: opening, closing, venting
 - 2/2: opening, closing
- Can be positioned through 360°

Manual switch-operated valves:

- Uni-directional use ensures the downstream circuit is vented
- Identification of the venting system by the colour (red)

Component Materials

Silicone-free

Seals: NBR

Bolt:

Manual switch-operated valve: nickel-plated brass with seal

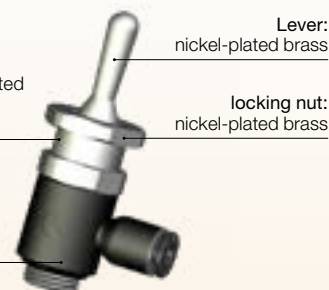
Sleeve valve: nickel-plated brass

Body:

Manual switch-operated valve:

technical polymer

Sleeve valve: nickel-plated brass



Regulations

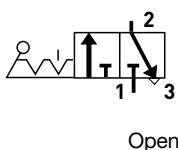
• RoHS

• REACH

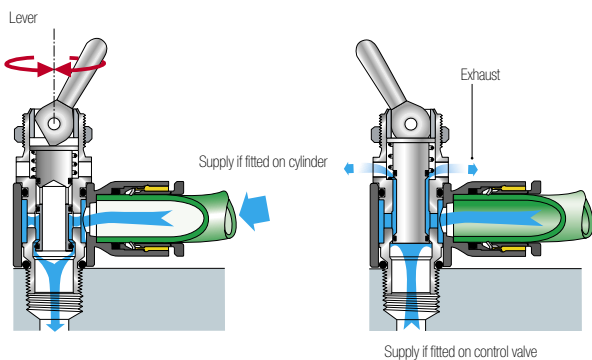
• PED

Operation

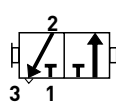
Switch-Operated Valves



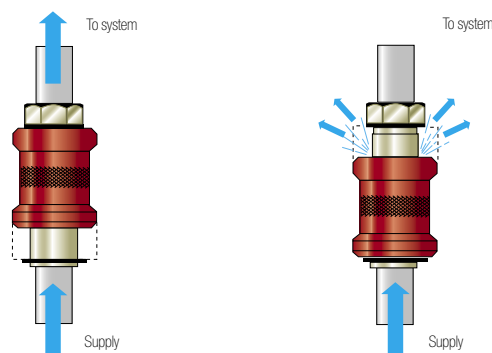
Closed



Sleeve Valves



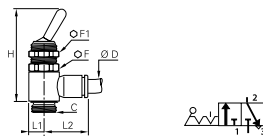
Closed: downstream exhaust



Manually-Operated Valves

7800 3/2 Manual Switch-Operated Valve, Supply, Male BSPP and Metric Thread

Technical polymer, Nickel-plated brass, NBR

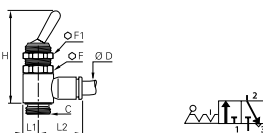


ØD	C		F	F1	H	L1	L2	Kg
4	M5x0.8	7800 04 19	14	14	55	7	18.5	0.032
	G1/8	7800 04 10	14	14	43	7	18.5	0.023
6	M5x0.8	7800 06 19	14	14	55	7	18.5	0.032
	G1/8	7800 06 10	14	14	43	7	20	0.023
6	G1/4	7800 06 13	17	14	50.5	9	22	0.048
8	G1/8	7800 08 10	14	14	43	7	25	0.024
	G1/4	7800 08 13	17	14	50.5	9	27	0.049

For part numbers 7800 04 19 and 7800 06 19, adaptor sealing is effected by a flat PTFE seal and tightening torque is maximum 0.16 daN.m.

7801 3/2 Manual Switch-Operated Valve, Control, Male BSPP Thread

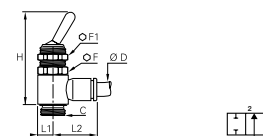
Technical polymer, Nickel-plated brass, NBR



ØD	C		F	F1	H	L1	L2	Kg
4	G1/8	7801 04 10	14	14	43	7	18.5	0.023
6	G1/8	7801 06 10	14	14	43	7	20	0.023
	G1/4	7801 06 13	17	14	50.5	9	22	0.050
8	G1/8	7801 08 10	14	14	43	7	25	0.026

7802 2/2 Manual Switch-Operated Valve, Male BSPP Thread

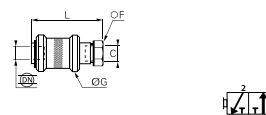
Technical polymer, Nickel-plated brass, NBR



ØD	C		F	F1	H	L1	L2	Kg
4	G1/8	7802 04 10	14	14	43	7	18.5	0.023
6	G1/8	7802 06 10	14	14	43	7	20	0.024
	G1/4	7802 06 13	17	14	50.5	9	22	0.051
8	G1/8	7802 08 10	14	14	43	7	25	0.025
	G1/4	7802 08 13	17	14	50.5	9	27	0.052

0669 3/2 Sleeve Valve, Female BSPP and Metric Thread

Nickel-plated brass, NBR



DN	C		F	G	L	Kg
2.5	M5x0.8	0669 02 19	10	14	30.5	0.012
4	G1/8	0669 04 10	14	25	48	0.050
7	G1/4	0669 07 13	19	30	58	0.096
10	G3/8	0669 10 17	22	35	68	0.154
14	G1/2	0669 14 21	27	40	75	0.210
19	G3/4	0669 19 27	32	50	83	0.330

Silencers



Silencers are designed for installation on exhaust circuits to reduce the noise levels of equipment while operating, thus improving user comfort.

Technical Characteristics

- **Compatible Fluids:** Compressed air
- **Working Pressure:** Polyethylene: 0 to 10 bar
Sintered bronze: 0 to 12 bar
316L stainless steel: 0 to 12 bar
- **Working Temperature:** Polyethylene: -10°C to +80°C
Sintered bronze: -20°C to +150°C
316L stainless steel: -20°C to +180°C

Advantages

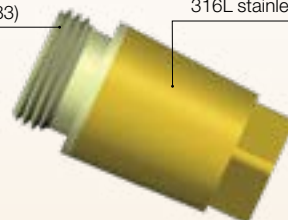
- 3 materials available :
 - Polyethylene: optimum exhaust flow rate and noise attenuation
 - Sintered bronze: robust and economic
 - 316L stainless steel: increased chemical and mechanical resistance
- Incorporated flow control regulator on 2 versions

Component Materials

Silicone-free

Body:
brass (0670-0673-0675-0671-0677-0672)
polymer (0674-0676)
stainless steel (0682-0683)

Silencer:
sintered bronze (0670-0673-0675-0671-0677-0672)
polymer (0674-0676)
316L stainless steel (0682-0683)



Regulations

- RoHS
- REACH
- PED
- 2003/10/CE
- OSHA

Flow and Noise Levels for Silencers 0672 and 0676

0672

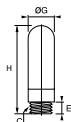
	Number of Turns						Noise Level in dBA at 6 bar and 350 NI/min
	0	1	2	3	4	5	
0672 00 10	0	200	600	740	-	-	81
0672 00 13	0	300	650	1280	-	-	82
0672 00 17	0	450	950	1300	1500	-	83
0672 00 21	0	830	1430	1800	2100	2220	83

0676

	Number of Turns										Noise Level in dBA at 6 bar and 350 NI/min
	0	1	2	3	4	5	6	7	8	9	
0676 00 10	0	30	90	210	335	370	390	390	395	395	82
0676 00 13	0	22	25	50	340	750	940	980	1000	1025	84
0676 00 19	0	22	69	97	125	143	-	-	-	-	81
0676 00 17	0	518	1147	1716	2153	2571	2823	2930	-	-	85
0676 00 21		814	1849	2880	4087	5044	5236	-	-	-	86

0674 Polymer Silencer, Male BSPP and Metric Thread

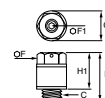
Technical polymer



C		E	G	H	Kg
M5x0.8	0674 00 19	5	7	25	0.003
G1/8	0674 00 10	7	13	32	0.002
G1/4	0674 00 13	8	17	39	0.003
G3/8	0674 00 17	11	25	65	0.006
G1/2	0674 00 21	11.5	25	70	0.010
G3/4	0674 00 27	15.5	37	138	0.035
G1	0674 00 34	19.5	48	158	0.056

0676 Flow Control Polymer Silencer, Male BSPP and Metric Thread

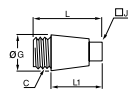
Technical polymer



C		F	F1	G	H	H1	Kg
G1/8	0676 00 10	13	2.5	15	20.5	15.5	0.003
G1/4	0676 00 13	15	4	18	29	22.5	0.006
G3/8	0676 00 17	20	6	24	38.5	31	0.018
G1/2	0676 00 21	25	8	30	50	41	0.045

0670 Threaded Silencer, Male BSPP Thread

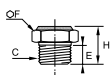
Sintered bronze, brass



C		G	J	L	L1	Kg
G1/8	0670 00 10	11,5	8	22	15	0.007
G1/4	0670 00 13	15	10	28	18	0.015
G3/8	0670 00 17	19	13	36	24	0.027
G1/2	0670 00 21	23	15	44	30	0.042
G3/4	0670 00 27	30	19	56	41	0.089
G1	0670 00 34	37	24	69	51	0.145

0673 Compact Silencer, Male BSPP and Metric Thread

Brass



C		E	F	H	Kg
M5x0.8	0673 00 19	4	8	8.5	0.001
G1/8	0673 00 10	6	13	12	0.008
G1/4	0673 00 13	8	16	16	0.012
G3/8	0673 00 17	8	19	17	0.022
G1/2	0673 00 21	9	24	18	0.041

0675 Threaded Silencer, Male BSPP and Metric Thread

Brass



C		F	L	L1	Kg
M5x0.8	0675 00 19	8	17	13	0.002
M7x1	0675 00 55	10	23	20	0.006
G1/8	0675 00 10	13	26	20	0.014
G1/4	0675 00 13	16	34	26	0.014
G3/8	0675 00 17	19	41	33	0.024
G1/2	0675 00 21	24	46	36	0.073

0671 Push-In Silencer

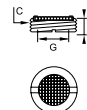
Nickel-plated brass



ØD		G	L	L1	Kg
4	0671 04 00	13	43.5	28.5	0.014
6	0671 06 00	15	50	33.5	0.024
8	0671 08 00	15	51	34	0.025
10	0671 10 00	19.5	67	45.5	0.052
12	0671 12 00	20	68	45	0.052

0677 Miniature Silencer, Male BSPP Thread

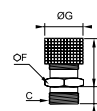
Brass



C		G	H	Kg
G1/8	0677 00 10	5.5	4	0.002
G1/4	0677 00 13	6	4.5	0.003
G3/8	0677 00 17	9.5	5	0.006
G1/2	0677 00 21	12.5	5.5	0.010
G3/4	0677 00 27	19	6	0.019
G1	0677 00 34	24	7	0.025

0672 Flow Control Silencer, Male BSPP Thread

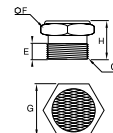
Sintered bronze, brass



C		E	F	G	H max	H min	Kg
G1/8	0672 00 10	8	14	14	21	17	0.017
G1/4	0672 00 13	8	17	17	24	20	0.029
G3/8	0672 00 17	10	22	22	28	20	0.056
G1/2	0672 00 21	12	27	27	37	28	0.094

0682 Compact Silencer, Male BSPP Thread

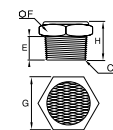
Stainless steel 316L



C		E	F	G	H	Kg
G1/8	0682 00 10	8	7	14	15	0.007
G1/4	0682 00 13	8	7	17	15	0.011
G3/8	0682 00 17	10	8	22	18	0.019
G1/2	0682 00 21	12	10	27	22	0.037
G3/4	0682 00 27	15	12	32	27	0.063
G1	0682 00 34	18	14	38	32	0.116

0683 Compact Silencer, Male NPT Thread

Stainless steel 316L






C		E	F	G	H	Kg
NPT1/8	0683 00 11	7	7	14	14	0.008
NPT1/4	0683 00 14	11	7	17	18	0.014
NPT3/8	0683 00 18	11	8	22	19	0.021
NPT1/2	0683 00 22	15	10	27	25	0.042



COMPRESSION FITTINGS

Compression Fittings

	Materials	Fluids	Maximum Pressure (bar)	Temperature		Performance in Aggressive Environments		Page
				Min.	Max.	Mechanical	Chemical	
Compression Fittings								
<div>Brass Compression Fittings</div> <div></div>	Brass	Compressed air, industrial fluids	550 (depending on the type of tubing used)	-60°C	+250°C	Excellent	Moderate	137
<div>Stainless Steel Compression Fittings</div> <div></div>	Stainless steel 316L	All fluids	400 (80 bar in aggressive environment)	-60°C	+250°C	Excellent	Excellent	151
<div>Nickel-Plated brass Spigot Fittings</div> <div></div>	Nickel-plated brass	Compressed air, industrial fluids	40 (depending on the type of nut used)	-40°C	+100°C	Good	Good	157

Compression Fitting Part Numbers

Item Type	0105	14	27	99	Suffix
01XX: brass 18XX: stainless steel					39: bonded seal 40: treated steel 60: nut 70: polymer nut 99: chemical nickel
	Ø		Thread		
	04 = 4 mm 06 = 6 mm ... 20 = 20 mm 28 = 28 mm		10 = 1/8 13 = 1/4 ... 21 = 1/2 27 = 3/4		

PL Fitting Part Numbers

Item Type	F3BPL	8/10	-1/4
FBPL F3BPL HBPL WBPL ...		Ø	Thread
		2.7/4 4/6 6/8 7.5/10 8/10 10/12 11/14	BSPT: 1/8 1/4 3/8 ... Metric: M10 M12 NPT: with adaptor BSPT and NPT

Brass Compression Fittings / Stud Fittings



These "universal" fittings provide users with numerous connection options for a wide variety of tube materials without the need for tube threading or soldering guarantee excellent long-term sealing and performance.

Ø metric:
4 to 28 mm

Technical Characteristics

- **Compatible Fluids:** Water, machining oil, fuel, hydraulic oil, compressed air, chemical fluids, disinfectants
- **Working Pressure:** Vacuum to 550 bar
- **Working Temperature:** -60°C to +250°C without sealing washer, with metal tubing

Working temperature: -20°C to +100°C, with sealing washer and polyamide tubing.

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum).

Thread sealing must be guaranteed by user.

Advantages

- 22 configurations
- Excellent sealing due to the tightening of the olive onto the tube
- Metallic sealing for optimum service life, pressure and temperature ranges
- Connection of different types of tubing and hose: metal, polymer, steel, rubber, etc.
- Multiple tube diameters can be connected using the Legris reducer assembly system

Maximum Bore Diameters

The table below shows the recommended compatibility of tube size, BSPP male thread and maximum bore.

Tube O.D.	BSPP Thread	Max. Bore
4-5-6	G1/8	4
6-8-10	G1/4	7
10-12-14	G3/8	11
14-15-16-18	G1/2	14
18-20-22	G3/4	18
22-25-28	G1	24

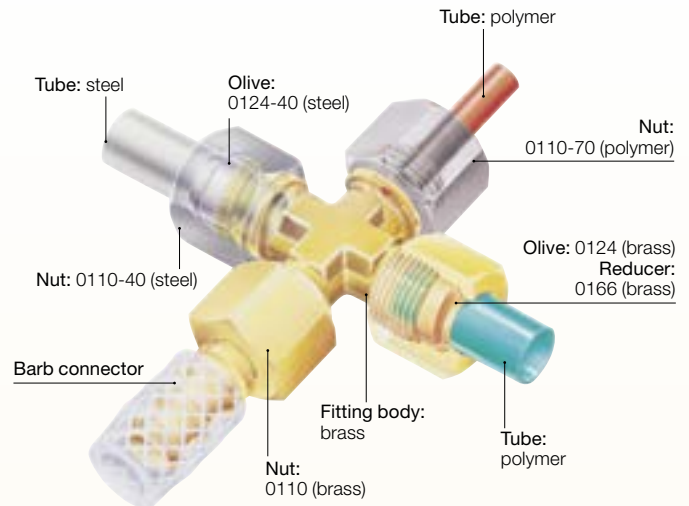
Tube Length for Assembly

Minimum length of tube (L) between 2 fittings.



ØD	L (mm)	ØD	L (mm)	ØD	L (mm)
4	26.5	12	39	20	51
5	26	14	41	22	54
6	26	15	41	25	62
8	32	16	46.5	28	62
10	39	18	49.5		

Component Materials



Regulations

- PED
- REACH
- RoHS

Regulations

CNOMO: E07.21.115N
(for robotic equipment in the automotive industry)

DI: 97/23/EC (PED)

RG: 1907/2006 (REACH)

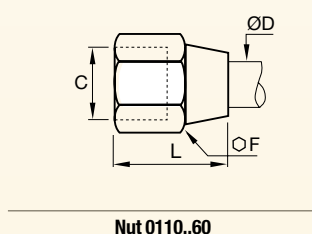
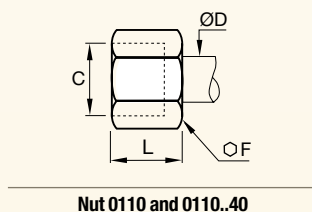
DI: 2002/95/EC (RoHS)

DI: 94/9/EC (ATEX)

Recommended Nut Tightening Torque

Tightening torque in daN.m =

maximum tightening torque of a 0110 nut and 0124 olive with copper, brass or steel tube.



Ø D (mm)	Ø F 0110	Ø F 0110..60	Max. daN.m Copper or Brass	Ø F 0110..40	Max. daN.m Steel
4	10	11	0.7	10	1.5
5	12	13	0.7	12	1.5
6	13	13	1.5	13	2.5
8	14	16	1.5	14	2.5
10	19	20	1.8	19	3
12	22	22	3	22	4.5
14	24	24	3.5	24	5.5
15	24	24	4	24	6
16	27	27	5	27	7
18	30	30	6	30	9
20	32	32	6	32	10
22	36	36	7	36	12
25	41	41	8	41	13
28	42		9		

Brass Compression Fittings / Stud Fittings

Installation

Cutting the Tube



Cut the polymer or metal tube square.

Preparing the Connection



For metal tubing, de-burr the tube prior to connection. Tube bending should be done before connection.



Slide the nut onto the tube; lubricate the threads on the body and nut along with the olive to facilitate tightening (for metal tubing as well). Fit the olive onto the end of the tube.

Connecting the Tube



Push the tube up against the shoulder of the body of the fitting and hand tighten.

Final Assembly



Tighten the nut using a spanner or torque wrench to enable the olive to bite on the tube, the connection being completed when the recommended tightening torque is reached (see tables below).



It is recommended to use an insert in order to prevent tube creeping (diameter > 14mm)

Recommended Tube Type

Copper tube: copper which has been "cold rolled", cold drawn and in straight lengths.

Brass tube: in cold-rolled straight lengths (same working pressure as for copper tube).

"Coiled annealed" copper tube: reduces working pressure by 35%; must be avoided completely if vibration is present.

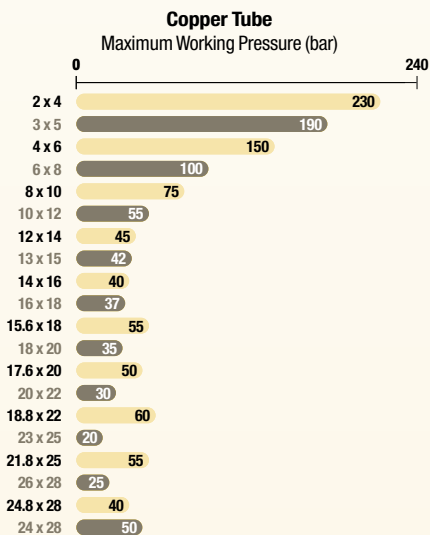
Steel tube: "thin wall" cold drawn, seamless, bright annealed and in straight lengths.
6 mm to 16 mm O.D.: max. wall thickness 1 mm
Above 16 mm O.D.: max. wall thickness 1.5 mm

Polyamide tube: semi-rigid

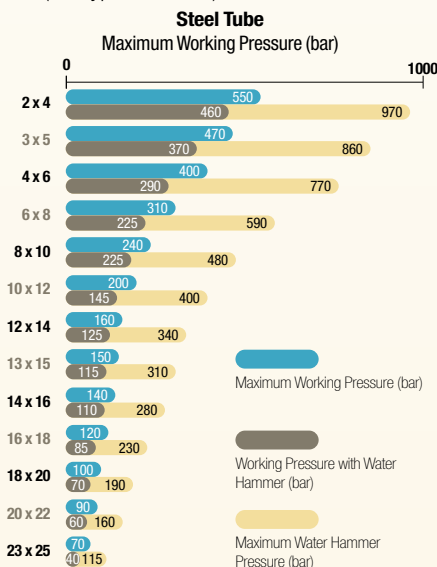
For rigid polyamide tube, multiply the figures in this table by 1.8.

Recommended Tube-Fitting Assembly Configurations

Assembled using Parker Legris brass olive and nut.



Assembled using Parker Legris steel olive and nut (nut type 0110..40).



Assembled using Parker Legris brass olive and nut.



When using a plastic nut type 0110..70, the maximum working pressure is 10 bar, for all diameters.

Working Pressure Coefficients for Semi-Rigid Polyamide Tubing

Temperature °C	-40°C / -15°C	-15°C / +30°C	+30°C / +50°C	+50°C / +70°C	+70°C / +100°C
Factor	1.8	1	0.68	0.55	0.31

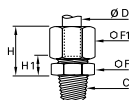
Parker Legris brass compression fittings are not compatible with ammonia and its derivatives.

The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.

Brass Compression Fittings / Stud Fittings

0105 Stud Fitting, Male BSPT Thread

Brass

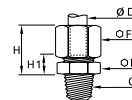


ØD	C		F	F1	H max	H1	Kg
4	R1/8	0105 04 10	10	10	17	7	0.012
5	R1/8	0105 05 10	11	12	17.5	7.5	0.016
	R1/4	0105 05 13	14	12	17.5	7.5	0.023
6	R1/8	0105 06 10	11	13	18	7.5	0.017
	R1/4	0105 06 13	14	13	18	7.5	0.024
8	R3/8	0105 06 17	17	13	18	8.5	0.030
	R1/8	0105 08 10	13	14	19.5	7	0.021
10	R1/4	0105 08 13	14	14	19.5	7	0.026
	R3/8	0105 08 17	17	14	20.5	8	0.032
12	R1/8	0105 10 10	17	19	24	9	0.043
	R1/4	0105 10 13	17	19	24	9	0.047
	R3/8	0105 10 17	17	19	24	9	0.048
	R1/2	0105 10 21	22	19	25	10	0.066
14	R1/4	0105 12 13	19	22	24	9	0.059
	R3/8	0105 12 17	19	22	24	9	0.060
	R1/2	0105 12 21	22	22	25	10	0.076
	R1/4	0105 14 13	22	24	25	8	0.067
16	R3/8	0105 14 17	22	24	25	8	0.068
	R1/2	0105 14 21	22	24	26	9	0.079
18	R3/4	0105 14 27	27	24	27	10	0.106
	R3/8	0105 15 17	22	24	25	8	0.066
20	R1/2	0105 15 21	22	24	26	9	0.076
	R1/4	0105 16 13	24	27	27	9.5	0.092
22	R3/8	0105 16 17	24	27	27	9.5	0.093
	R1/2	0105 16 21	24	27	27	9.5	0.101
24	R3/4	0105 16 27	27	27	28	10.5	0.123
	R1/2	0105 18 21	27	30	30	10.5	0.128
26	R3/4	0105 18 27	27	30	30	10.5	0.140
	R1/2	0105 20 21	30	32	32	11	0.147
28	R3/4	0105 20 27	30	32	32	11	0.160
	R1/2	0105 22 21	32	36	33	11	0.188
30	R3/4	0105 22 27	32	36	33	11	0.198
	R1	0105 22 34	36	36	33	11	0.229
32	R3/4	0105 25 27	36	41	36	11	0.265
	R1	0105 25 34	36	41	36	11	0.281
34	R3/4	0105 28 27	41	42	36	11	0.273
	R1	0105 28 34	41	42	36	11	0.282

Metric taper threads or Briggs (NPT threads) are available by special order, subject to minimum quantities.

0105 Stud Fitting, Male NPT Thread

Brass



ØD	C		F	F1	H max	H1	Kg
6	NPT1/8	0105 06 11	11	13	18	7.5	0.018
	NPT1/4	0105 06 14	14	13	18	7.5	0.027
8	NPT1/8	0105 08 11	13	14	21	7	0.021
	NPT1/4	0105 08 14	14	14	18.5	7	0.026
	NPT1/4	0105 10 14	17	19	24	9	0.047
10	NPT3/8	0105 10 18	17	19	24	9	0.047
	NPT1/2	0105 10 22	22	19	25	10	0.066

0101 Stud Fitting with Captive Sealing Washer, Male BSPP and Metric Thread

Brass, technical polymer



20 bar

ØD	C		E	F	F1	H max	H1	Kg
4	M5x0.8	0101 04 19	5	10	10	16.5	8	0.011
	G1/8	0101 04 10	6.5	13	10	16.5	8	0.016
5	G1/8	0101 05 10	6.5	13	12	17.5	8.5	0.019
6	G1/8	0101 06 10	6.5	13	13	18	8.5	0.020
	G1/4	0101 06 13	8	17	13	18	9.5	0.030
	G1/8	0101 08 10	6.5	13	14	19	8.5	0.021
8	G1/4	0101 08 13	8	17	14	19.5	9	0.031
	G3/8	0101 08 17	11	22	14	20	10.5	0.043
10	G1/4	0101 10 13	8	17	19	24	11	0.048
	G3/8	0101 10 17	11	22	19	24	11.5	0.061
	G1/4	0101 12 13	8	19	22	24	11	0.061
12	G3/8	0101 12 17	11	22	22	24	11.5	0.069
	G1/2	0101 12 21	12	27	22	24	12	0.089
14	G3/8	0101 14 17	11	22	24	25	10.5	0.075
	G1/2	0101 14 21	12	27	24	25	11	0.093
15	G3/8	0101 15 17	11	22	24	25	10.5	0.071
	G1/2	0101 15 21	12	27	24	25	11	0.093
16	G3/8	0101 16 17	11	22	27	27	12	0.092
	G1/2	0101 16 21	12	27	27	27	12.5	0.110
18	G1/2	0101 18 21	12	27	30	29.5	12.5	0.131
	G3/4	0101 18 27	13	32	30	29.5	13	0.154
20	G3/4	0101 20 27	13	32	32	31	13	0.166
	G3/4	0101 22 27	13	32	36	32	13	0.197
22	G1	0101 22 34	15	41	36	31	13.5	0.259
28	G1	0101 28 34	15	41	42	35.5	13.5	0.300

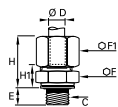
With pre-assembled polyamide washer

Sealing washers 0602 can be found in the sub-chapter "Adaptors and Manifolds".

Brass Compression Fittings / Stud Fittings

0101..39 Stud Fitting, with Bi-Material Seal, Male BSPP Thread

Brass, zinc plated steel with NBR seal



250 bar

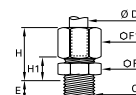
ØD	C		E	F	F1	H max	H1	Kg
4	G1/8	0101 04 10 39	5.5	13	10	17.5	9	0.016
5	G1/8	0101 05 10 39	5.5	13	12	18.5	9.5	0.019
6	G1/8	0101 06 10 39	5.5	13	13	19	9.5	0.020
	G1/4	0101 06 13 39	7	17	13	19	10.5	0.030
8	G1/8	0101 08 10 39	5.5	13	14	20	9.5	0.022
	G1/4	0101 08 13 39	7	17	14	20.5	10	0.031
10	G3/8	0101 08 17 39	9.5	22	14	21.5	12	0.045
	G1/4	0101 10 13 39	7	17	19	25	12	0.048
12	G3/8	0101 10 17 39	9.5	22	19	25.5	13	0.062
	G1/4	0101 12 13 39	7	19	22	25	12	0.062
14	G3/8	0101 12 17 39	9.5	22	22	25	13	0.071
	G1/2	0101 12 21 39	10.5	27	22	25	13.5	0.091
15	G3/8	0101 14 17 39	9.5	22	24	26.5	12	0.074
	G1/2	0101 14 21 39	10.5	27	24	26.5	12.5	0.094
16	G3/8	0101 15 17 39	9.5	22	24	26.5	12	0.071
	G1/2	0101 15 21 39	10.5	27	24	26.5	12.5	0.094
18	G3/8	0101 16 17 39	9.5	22	27	28.5	13.5	0.093
	G1/2	0101 16 21 39	10.5	27	27	28.5	14	0.111
20	G3/4	0101 18 21 39	10.5	27	30	31	14	0.131
	G3/4	0101 18 27 39	11.5	32	30	31	14.5	0.156
22	G3/4	0101 20 27 39	11.5	32	32	32.5	14.5	0.167
	G3/4	0101 22 27 39	11.5	32	36	32.5	14.5	0.200
28	G1	0101 22 34 39	13	41	36	33	15.5	0.261
	G1	0101 28 34 39	13	41	42	37.5	15.5	0.301

Thread with bi-material seal

Bi-material sealing washers, part number 0139, can be found in the sub-chapter "Adaptors and Manifolds".

0101 Stud Fitting, Male Metric Thread

Brass

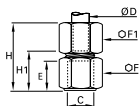


ØD	C		E	F	F1	H max	H1	Kg
4	M7x1	0101 04 55	6.5	10	10	16.5	7.5	0.012
	M8x1	0101 04 56	6.5	11	10	16.5	7.5	0.013
5	M8x1	0101 05 56	6.5	11	12	17.5	8	0.016
	M10x1	0101 05 60	6.5	14	12	17.5	8.5	0.020
6	M10x1	0101 06 60	6.5	14	13	18	8.5	0.021
	M10x1.5	0101 06 62	6.5	14	13	18	8.5	0.021
8	M12x1	0101 08 65	8	17	14	19.5	9	0.029
	M12x1.25	0101 08 66	8	17	14	19.5	9	0.029
10	M13x1.25	0101 08 68	8	17	14	19.5	9	0.030
	M14x1.25	0101 10 70	8	17	19	24	11	0.047
12	M14x1.5	0101 10 71	8	17	19	24	11	0.047
	M16x1.25	0101 10 74	9	19	19	24	11	0.052
14	M16x1.5	0101 10 75	9	19	19	24	11	0.051
	M18x1.5	0101 10 78	9	22	19	24	11.5	0.059
16	M16x1.5	0101 12 75	9	19	22	24	11	0.061
	M18x1.5	0101 12 78	9	22	22	24	11.5	0.070
18	M18x1.5	0101 14 78	9	22	24	25	10.5	0.073
	M20x1.5	0101 14 80	10	24	24	25	11	0.084
20	M20x1.5	0101 16 80	10	24	27	27	12.5	0.103
	M22x1.5	0101 16 82	10	27	27	27	12.5	0.112
22	M22x1.5	0101 18 82	10	27	30	29.5	12.5	0.131

Brass Compression Fittings / Stud Fittings

0114 Stud Fitting, Female BSPP Thread

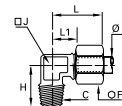
Brass



ØD	C		E	F	F1	H max	H1	Kg
4	G1/8	0114 04 10	9.5	14	10	26	16.5	0.020
	G1/4	0114 04 13	13.5	17	10	30	20.5	0.030
5	G1/8	0114 05 10	9.5	14	12	28	17	0.024
	G1/4	0114 05 13	13.5	17	12	31	21	0.032
6	G1/8	0114 06 10	9.5	14	13	28	17	0.025
	G1/4	0114 06 13	13.5	17	13	32	21	0.034
8	G3/8	0114 06 17	14	22	13	32	21.5	0.051
	G1/8	0114 08 10	9.5	14	14	29	16.5	0.026
8	G1/4	0114 08 13	13.5	17	14	33	20.5	0.035
	G3/8	0114 08 17	14	22	14	34	21	0.052
10	G1/4	0114 10 13	13.5	17	19	37	21.5	0.052
	G3/8	0114 10 17	14	22	19	37	22	0.069
12	G1/2	0114 10 21	18.5	27	19	42	26.5	0.099
	G1/4	0114 12 13	13.5	19	22	36	20.5	0.068
12	G3/8	0114 12 17	14	22	22	37	22	0.078
	G1/2	0114 12 21	18.5	27	22	42	26.5	0.109
14	G1/4	0114 14 13	13.5	22	24	36	18.5	0.084
	G3/8	0114 14 17	14	22	24	38	21	0.081
15	G1/2	0114 14 21	18.5	27	24	43	25.5	0.111
	G3/8	0114 15 17	14	22	24	38	21	0.077
15	G1/2	0114 15 21	18.5	27	24	43	25.5	0.109
	G1/4	0114 16 13	13.5	24	27	36	18	0.109
16	G3/8	0114 16 17	14	24	27	38	20.5	0.108
	G1/2	0114 16 21	18.5	27	27	44	26	0.129
18	G3/8	0114 18 17	14	27	30	39	19.5	0.141
	G1/2	0114 18 21	18.5	27	30	45	26	0.146
20	G3/4	0114 18 27	19.5	32	30	46	27	0.165
	G1/2	0114 20 21	18.5	30	32	44.5	24	0.173
22	G3/4	0114 20 27	19.5	32	32	47	26.5	0.174
	G3/4	0114 22 27	19.5	32	36	48	26.5	0.204

0109 Stud Elbow, Male BSPT Thread

Brass

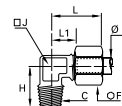


ØD	C		F	H	J	L max	L1	Kg
4	R1/8	0109 04 10	10	17	8	19	9.5	0.016
	R1/4	0109 04 13	10	20	10	19	11	0.025
5	R1/8	0109 05 10	12	17.5	8	21	11	0.019
	R1/4	0109 05 13	12	21.5	10	22	12	0.029
6	R1/8	0109 06 10	13	18	8	22	11	0.021
	R1/4	0109 06 13	13	21.5	10	22	12	0.030
8	R1/8	0109 08 10	14	18.5	10	28	15	0.028
	R1/4	0109 08 13	14	22	10	28	15	0.033
8	R3/8	0109 08 17	14	24	12	28	15	0.044
	R1/4	0109 10 13	19	25	12	30	14.5	0.053
10	R3/8	0109 10 17	19	25.5	12	30	14.5	0.059
	R1/2	0109 10 21	19	32	19	36	21	0.108
12	R1/4	0109 12 13	22	26	15	30	15	0.073
	R3/8	0109 12 17	22	27	15	30	15	0.077
14	R1/2	0109 12 21	22	32	19	36	21	0.114
	R3/8	0109 14 17	24	30	19	35	18	0.104
15	R1/2	0109 14 21	24	32	19	35	18	0.112
	R3/8	0109 15 17	24	30	19	35	18	0.101
15	R1/2	0109 15 21	24	32	19	35	18	0.107
	R3/8	0109 16 17	27	30	19	39	21	0.122
16	R1/2	0109 16 21	27	33.5	19	39	21	0.132
	R3/4	0109 16 27	27	36.5	23	41	23	0.189
18	R1/2	0109 18 21	30	35.5	23	41	21.5	0.181
	R3/4	0109 18 27	30	36.5	23	41	21.5	0.197
20	R1/2	0109 20 21	32	36.5	23	42	21.5	0.186
	R3/4	0109 20 27	32	38	23	42	21.5	0.203
22	R3/4	0109 22 27	36	40	27	50	30	0.293
	R1	0109 22 34	36	44	27	50	30	0.332
25	R1	0109 25 34	41	44	27	54	30	0.370
28	R1	0109 28 34	42	48	32	54	30	0.378

Metric taper threads or Briggs (NPT threads) are available by special order, subject to minimum quantities.

0109 Stud Elbow, Male NPT Thread

Brass

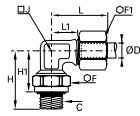


ØD	C		F	H	J	L max	L1	Kg
6	NPT1/8	0109 06 11	13	18	8	22	11	0.021
	NPT1/4	0109 06 14	13	21.5	10	22	12	0.030
8	NPT1/8	0109 08 11	14	18.5	10	28	15	0.027
	NPT1/4	0109 08 14	14	22	10	28	15	0.032
10	NPT1/4	0109 10 14	19	25	12	30	14.5	0.054

Brass Compression Fittings / Stud Fittings

0199 Stud Orientable Elbow, Male BSPP Thread

Brass, NBR



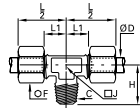
20 bar

ØD	C		F	F1	H	H1	H1 max	J	L max	L1	Kg
4	G1/8	0199 04 10	14	10	23	16	17	8	19	9.5	0.022
	G1/4	0199 04 13	19	10	30.5	22	23.5	10	19	11	0.043
6	G1/8	0199 06 10	14	13	23	16	17	8	22	11	0.027
	G1/4	0199 06 13	19	13	30.5	22	23.5	10	22	12	0.047
8	G1/8	0199 08 10	14	14	24	17	18	10	28	15	0.034
	G3/8	0199 08 17	22	14	33.5	24	25.5	12	28	15	0.065
10	G1/4	0199 10 13	19	19	31	22.5	24	12	30	14.5	0.067
	G3/8	0199 10 17	22	19	33.5	24	25.5	12	30	14.5	0.079
14	G1/2	0199 14 21	27	19	40	29.5	31	19	37	22	0.136
	G3/8	0199 14 17	22	24	35.5	26	27.5	19	35	18	0.115
18	G1/2	0199 18 21	27	30	40	29	30.5	23	41	21.5	0.193
	G3/4	0199 18 27	32	30	43.5	32	33.5	23	41	21.5	0.224
22	G3/4	0199 22 27	32	36	45.5	34	36	32	51	31	0.381
	G1	0199 22 34	41	36	54	40.5	43	32	51	31	0.414

The body will orientate for positioning purposes.

0108 Stud Branch Tee, Male BSPT Thread

Brass

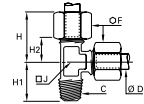


ØD	C		F	H	J	L/2	L1	Kg
4	R1/8	0108 04 10	10	17	8	19	9.5	0.025
	R1/8	0108 06 10	13	18	8	22	11	0.033
6	R1/4	0108 06 13	13	21.5	10	27	16	0.047
	R1/8	0108 08 10	14	18.5	10	28	15	0.045
8	R1/4	0108 08 13	14	22	10	28	15	0.048
	R3/8	0108 08 17	14	24	12	28	15	0.062
10	R1/4	0108 10 13	19	25	12	30	14.5	0.085
	R3/8	0108 10 17	19	25.5	12	30	14.5	0.092
12	R1/4	0108 12 13	22	26	15	30	15	0.114
	R3/8	0108 12 17	22	27	15	30	15	0.118
14	R3/8	0108 14 17	24	30	19	35	18	0.158
	R1/2	0108 14 21	24	32	19	35	18	0.169
16	R3/8	0108 16 17	27	30	19	39	21	0.192
	R1/2	0108 16 21	27	33.5	19	39	21	0.206
18	R1/2	0108 18 21	30	35.5	23	41	21.5	0.273
20	R3/4	0108 20 27	32	38	23	42	21.5	0.301
22	R3/4	0108 22 27	36	40	27	50	29	0.433

Metric taper threads or Briggs (NPT threads) are available by special order, subject to minimum quantities.

0103 Stud Run Tee, Male BSPT Thread

Brass

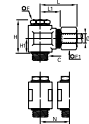


ØD	C		F	H max	H1	H2	J	Kg
4	R1/8	0103 04 10	10	19	17	9.5	8	0.025
	R1/8	0103 06 10	13	22	18	11	8	0.033
6	R1/4	0103 06 13	13	27	21.5	16	10	0.048
	R1/4	0103 08 13	14	28	22	15	10	0.050
10	R1/4	0103 10 13	19	30	25	14.5	12	0.085
	R1/4	0103 12 13	22	30	26	15	15	0.114

Metric taper threads or Briggs (NPT threads) are available by special order, subject to minimum quantities.

0118..39 Single Banjo with Bi-Material Seal, Male BSPP Thread

Brass, zinc plated steel with NBR seal



250 bar

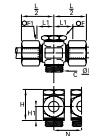
ØD	C		F	F1	H	H1	L max	L1	N	Kg
4	G1/8	0118 04 10 39	14	10	23	9.5	24	14.5	17.5	0.040
5	G1/8	0118 05 10 39	14	12	23	9.5	25	14.5	17.5	0.042
6	G1/8	0118 06 10 39	14	13	23	9.5	25	14.5	17.5	0.043
	G1/4	0118 06 13 39	17	13	24	10	26	16	21	0.058
8	G1/8	0118 08 10 39	14	14	23	9.5	28	15.5	17.5	0.055
	G3/8	0118 08 17 39	22	14	31.5	13.5	30	18	26.5	0.113
10	G1/4	0118 10 13 39	17	19	30	13	34	19	23	0.118
	G3/8	0118 10 17 39	22	19	31.5	13.5	34	19	26.5	0.128
12	G1/4	0118 12 13 39	17	22	33	14.5	34	19	23	0.128
	G3/8	0118 12 17 39	22	22	34.5	15	34	19	26.5	0.137
14	G1/4	0118 14 13 39	17	24	36	16	37	20.5	28	0.190
	G3/8	0118 14 17 39	22	24	37.5	16.5	37	20.5	28	0.196
15	G1/2	0118 15 21 39	27	24	39	16.5	38	20.5	32.5	0.207
	G1/2	0118 15 21 39	27	24	40	16.5	38	20.5	32.5	0.202
16	G1/2	0118 16 21 39	27	27	40	16.5	38	21	32.5	0.225
18	G1/2	0118 18 21 39	27	30	47	20	43	24.5	36	0.372
22	G3/4	0118 22 27 39	32	36	54	22.5	45	24.5	39	0.467

With bi-material sealing washer

The bi-material sealing washers, part number 0139, can be found in the sub-chapter "Adaptors and Manifolds".

0119 Double Banjo with Captive Sealing Washer, Male BSPP Thread

Brass, technical polymer



20 bar

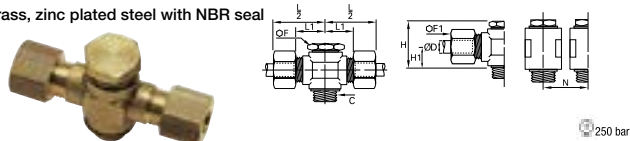
ØD	C		F	F1	H	H1	L/2	L1	N	Kg
8	G1/4	0119 08 13	17	14	25	10	28	15.5	21	0.075
	G3/8	0119 08 17	22	14	32	13	30.5	18	26.5	0.135

Thread with pre-assembled washer

Sealing washers 0602 can be found in the sub-chapter "Adaptors and Manifolds".

0119..39 Double Banjo with Bi-Material Seal, Male BSPP Thread

Brass, zinc plated steel with NBR seal



ØD	C		F	F1	H	H1	L/2	L1	N	Kg
4	G1/8	0119 04 10 39	14	10	23	9.5	24	14.5	17.5	0.050
6	G1/8	0119 06 10 39	14	13	23	9.5	25	14.5	17.5	0.055
8	G1/8	0119 08 10 39	14	14	23	9.5	28	15.5	17.5	0.072
	G1/4	0119 08 13 39	17	14	24	10	28	15.5	21	0.076
10	G1/4	0119 10 13 39	17	19	30	13	34	19	23	0.156
12	G1/4	0119 12 13 39	17	22	33	14.5	34	19	23	0.180
14	G1/2	0119 14 21 39	27	24	39	16.5	38	20.5	32.5	0.256

Thread with pre-assembled washer
Bi-material sealing washers, part number 0139, can be found in the sub-chapter "Adaptors and Manifolds".

Customised Fittings

Working directly with its customers and based on its knowledge and experience, Parker Legris can design customised brass compression fittings for specific requirements using the customer's specifications.

The range of compression fittings also offers nickel chemical surface treatment in order to improve the corrosion resistance and chemical compatibility of the fittings (the model number of the fitting is then given the suffix 99).

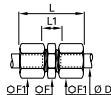
The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.



Brass Compression Fittings / Tube-to-Tube Fittings

0106 Equal Tube-to-Tube Connector

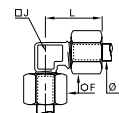
Brass



ØD		F	F1	L max	L1	Kg
4	0106 04 00	10	10	28	10	0.016
5	0106 05 00	11	12	31	11	0.023
6	0106 06 00	11	13	32	11	0.026
8	0106 08 00	13	14	36	10	0.031
10	0106 10 00	17	19	42	13	0.070
12	0106 12 00	19	22	42	13	0.091
14	0106 14 00	22	24	45	11	0.103
15	0106 15 00	22	24	45	11	0.096
16	0106 16 00	24	27	48	13	0.145
18	0106 18 00	27	30	53	14	0.190
20	0106 20 00	30	32	56	14	0.217
22	0106 22 00	32	36	60	14	0.281
28	0106 28 00	41	42	64	14	0.398

0102 Equal Elbow

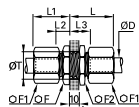
Brass



ØD		F	J	L max	Kg
4	0102 04 00	10	5	19	0.017
5	0102 05 00	12	8	21	0.025
6	0102 06 00	13	8	22	0.027
8	0102 08 00	14	10	28	0.038
10	0102 10 00	19	12	30	0.072
12	0102 12 00	22	15	30	0.097
14	0102 14 00	24	19	35	0.133
15	0102 15 00	24	19	35	0.122
16	0102 16 00	27	19	39	0.168
18	0102 18 00	30	23	41	0.236
20	0102 20 00	32	23	42	0.238
22	0102 22 00	36	27	50	0.375
28	0102 28 00	42	32	54.5	0.473

0116 Equal Bulkhead Connector

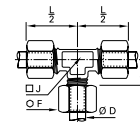
Brass



ØD		F	F1	F2	L max	L1 max	L2	L3	ØT min	Kg
4	0116 04 00	10	10	13	27	17	7	17	8.3	0.024
5	0116 05 00	13	12	14	28	18	7.5	17.5	10.3	0.035
6	0116 06 00	13	13	14	28	19	7.5	17.5	10.3	0.037
8	0116 08 00	14	14	17	29	20	7	17	12.3	0.045
10	0116 10 00	19	19	22	33	25	9	19	16.5	0.100
12	0116 12 00	22	22	22	33	25	9	19	18.5	0.121
14	0116 14 00	24	24	24	35	25	8	18	20.5	0.143
15	0116 15 00	24	24	24	35	25	8	18	20.5	0.134
16	0116 16 00	27	27	27	36	28	9.5	19.5	22.5	0.192
18	0116 18 00	27	30	30	40	30	10.5	20.5	24.5	0.238
20	0116 20 00	32	30	32	41	31	11	21	27.5	0.275
22	0116 22 00	36	36	36	42	32	11	21	30.5	0.379

0104 Equal Tee

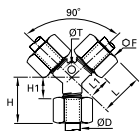
Brass



ØD		F	H	J	L/2	Kg
4	0104 04 00	10	9.5	8	19	0.029
5	0104 05 00	12	11	8	21	0.037
6	0104 06 00	13	11	8	22	0.040
8	0104 08 00	14	15	10	28	0.054
10	0104 10 00	19	14.5	12	30	0.104
12	0104 12 00	22	15	15	30	0.140
14	0104 14 00	24	18	19	35	0.190
15	0104 15 00	24	18	19	35	0.171
16	0104 16 00	27	21	19	39	0.245
18	0104 18 00	30	21.5	23	41	0.328
20	0104 20 00	32	21.5	23	42	0.336
22	0104 22 00	36	29	27	50	0.520

0142 Equal Y Piece with Mounting Boss

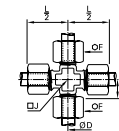
Brass



ØD		F	H max	H1	L max	L1	ØT	Kg
4	0142 04 00	10	16.5	7	26.5	17	4.2	0.031
6	0142 06 00	13	19.5	8.5	28	17	4.2	0.047
8	0142 08 00	14	21	8	30	17	6.2	0.059

0107 Equal Cross

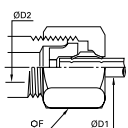
Brass



ØD		F	H	J	L/2	Kg
6	0107 06 00	13	11	8	22	0.052
8	0107 08 00	14	15	11	28	0.073
10	0107 10 00	19	14.5	14	30	0.141
12	0107 12 00	22	15	15	35	0.231
14	0107 14 00	24	18	20	35	0.244

0166 3-Piece Reducer

Brass



ØD1	ØD2		F	Kg
4	6	0166 04 06	13	0.011
5	6	0166 05 06	13	0.010
6	8	0166 06 08	14	0.012
6	10	0166 06 10	19	0.030
6	12	0166 06 12	22	0.043
6	14	0166 06 14	24	0.052
6	16	0166 06 16	27	0.077
8	10	0166 08 10	19	0.027
8	12	0166 08 12	22	0.040
8	14	0166 08 14	24	0.050
8	16	0166 08 16	27	0.076
10	12	0166 10 12	22	0.037
10	14	0166 10 14	24	0.045
10	16	0166 10 16	27	0.069
10	18	0166 10 18	30	0.096
10	20	0166 10 20	32	0.107
10	22	0166 10 22	36	0.146
12	16	0166 12 16	27	0.066
12	22	0166 12 22	36	0.142
14	16	0166 14 16	27	0.060
14	18	0166 14 18	30	0.084
14	25	0166 14 25	41	0.189
16	20	0166 16 20	32	0.086
16	22	0166 16 22	36	0.125
18	22	0166 18 22	36	0.118
20	25	0166 20 25	41	0.168

ØD1: tube to be fitted
 ØD2: for a x mm fitting
 Each of the above part numbers comprises:
 - a reduction piece
 - an olive, PN 0124
 - a sleeve nut

0124 Brass Olive

Brass



ØD		Kg
4	0124 04 00	0.001
5	0124 05 00	0.001
6	0124 06 00	0.001
8	0124 08 00	0.001
10	0124 10 00	0.003
12	0124 12 00	0.004
14	0124 14 00	0.005
15	0124 15 00	0.004
16	0124 16 00	0.006
18	0124 18 00	0.007
20	0124 20 00	0.009
22	0124 22 00	0.012
25	0124 25 00	0.016
28	0124 28 00	0.017

0124..40 Steel Olive

Zinc-plated steel



ØD		Kg
4	0124 04 00 40	0.001
5	0124 05 00 40	0.001
6	0124 06 00 40	0.001
8	0124 08 00 40	0.001
10	0124 10 00 40	0.003
12	0124 12 00 40	0.004
14	0124 14 00 40	0.005
15	0124 15 00 40	0.004
16	0124 16 00 40	0.006
18	0124 18 00 40	0.007
20	0124 20 00 40	0.008
22	0124 22 00 40	0.010
25	0124 25 00 40	0.014

0111 BNA* Brass Olive

Brass



ØD		Kg
4	0111 04 00	0.001
5	0111 05 00	0.001
6	0111 06 00	0.001
8	0111 08 00	0.001
10	0111 10 00	0.002
12	0111 12 00	0.002
14	0111 14 00	0.003
15	0111 15 00	0.003
16	0111 16 00	0.004

*Bureau de Normalisation de l'Automobile

0110 Brass Nut

Brass



ØD	C		F	L	Kg
4	M8x1	0110 04 00	10	11	0.004
5	M10x1	0110 05 00	12	11	0.006
6	M10x1	0110 06 00	13	11	0.008
8	M12x1	0110 08 00	14	13	0.008
10	M16x1.5	0110 10 00	19	15	0.019
12	M18x1.5	0110 12 00	22	15	0.025
14	M20x1.5	0110 14 00	24	15	0.029
15	M20x1.5	0110 15 00	24	15	0.028
16	M22x1.5	0110 16 00	27	17	0.044
18	M24x1.5	0110 18 00	30	18	0.059
20	M27x1.5	0110 20 00	32	18	0.059
22	M30x1.5	0110 22 00	36	19	0.081
25	M33x1.5	0110 25 00			0.131
28	M36x1.5	0110 28 00			0.108

Brass Compression Fittings / Complementary Fittings

0110..40 Steel Nut

Zinc-plated steel



ØD	C		F	L	Kg
4	M8x1	0110 04 00 40	10	11	0.004
6	M10x1	0110 06 00 40	13	12	0.008
8	M12x1	0110 08 00 40	14	13.5	0.008
10	M16x1.5	0110 10 00 40	19	16	0.018
12	M18x1.5	0110 12 00 40	22	16.5	0.026
16	M22x1.5	0110 16 00 40	27	18	0.042
18	M24x1.5	0110 18 00 40	30	19	0.057
22	M30x1.5	0110 22 00 40	36	21.5	0.084

0110..60 Brass Long Nut

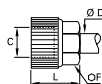
Brass



ØD	C		F	L	Kg
4	M8x1	0110 04 00 60	11	14.5	0.007
6	M10x1	0110 06 00 60	13	17.5	0.011
8	M12x1	0110 08 00 60	16	20	0.018
10	M16x1.5	0110 10 00 60	20	23	0.032
12	M18x1.5	0110 12 00 60	22	25	0.038

0110..70 Technical Polymer Nut-Olive

Technical polymer



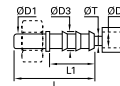
10 bar

ØD	C		F	L	Kg
4	M8x1	0110 04 00 70	8	13	0.001
6	M10x1	0110 06 00 70	11	15	0.002

NB: polymer nut-olives should not be used on metal tubes.

0122 Barb Connector for Hose

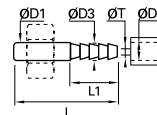
Brass



ØD1	ØD2	ØD3		L	L1	ØT min	Kg
4	4	6	0122 04 04	37.5	22.5	3	0.004
6	4	6	0122 06 04	37.5	22.5	3	0.005
	7	9	0122 06 07	37.5	22.5	6	0.007
8	6	8	0122 08 06	40	22.5	5	0.007
	7	9	0122 08 07	40	22.5	6	0.008
10	10	12.5	0122 08 10	40	22.5	9	0.012
	7	9	0122 10 07	43	22.5	6	0.010
12	10	12.5	0122 10 10	43	22.5	9	0.014
	10	12.5	0122 12 10	43	22.5	9	0.013
14	13	15	0122 12 13	50	29.5	12	0.018
	13	15	0122 14 13	52	29.5	12	0.019
16	16	18.5	0122 14 16	60.5	38	15	0.031
	13	15	0122 15 13	52	29.5	12	0.019
18	16	18.5	0122 15 16	60.5	38	15	0.032
	13	15	0122 16 13	53.5	29.5	12	0.021
20	16	18.5	0122 16 16	62	38	15	0.032
	16	18.5	0122 18 16	62	38	15	0.031
22	19	21.5	0122 18 19	62	38	18	0.040
	16	18.5	0122 20 16	64	38	15	0.034
25	19	21.5	0122 20 19	64	38	18	0.039
	19	21.5	0122 22 19	64	38	18	0.041
	19	21.5	0122 25 19	70	38	18	0.048
	25	27.5	0122 25 25	70	38	24	0.054

0165 Barb Connector for Flexible Tubing

Brass



ØD1	ØD2	ØD3		L	L1	ØT min	Kg
4	4	4.3	0165 04 06	30	15	2	0.002
5	4	4.3	0165 05 06	30	15	2	0.003
	4	4.3	0165 06 06	30	15	2	0.003
6	6	6.4	0165 06 08	30	15	4	0.004
	8	8.4	0165 06 10	30	15	4	0.005
8	6	6.4	0165 08 08	32.5	15	4	0.006
	8	8.4	0165 08 10	32.5	15	6	0.006
10	10	10.7	0165 08 12	37.5	20	8	0.009
	8	8.4	0165 10 10	35.5	15	6	0.008
12	10	10.7	0165 10 12	40.5	20	8	0.010
	12	12.7	0165 10 14	40.5	20	8	0.012
14	10	10.7	0165 12 12	40.5	20	8	0.011
	12	12.7	0165 12 14	40.5	20	10	0.013
15	12	12.7	0165 14 14	42.5	20	10	0.015
	13	13.7	0165 15 16	42.5	20	11	0.015
16	13	13.7	0165 16 16	44	20	11	0.018

0126 Plug for Compression Fitting

Brass



ØD		L	Kg
4	0126 04 00	10	0.002
6	0126 06 00	10	0.003
8	0126 08 00	11.5	0.006
10	0126 10 00	13	0.010
12	0126 12 00	13	0.014
14	0126 14 00	13.5	0.020
18	0126 18 00	16	0.038
22	0126 22 00	18	0.003

The plug is used to blank off an outlet in a compression fitting, replacing the olive.
When an open outlet is required, simply dismantle and replace the plug with the tube olive, reusing the nut.
The plug is also reusable.

0125 Tube End Plug for Compression Fitting

Brass

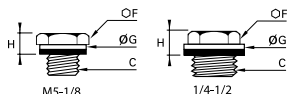


ØD	C		F	L	L1	Kg
4	M8x1	0125 04 00	10	12	8	0.005
6	M10x1	0125 06 00	11	13.5	9.5	0.008
8	M12x1	0125 08 00	14	14	9	0.013
10	M16x1.5	0125 10 00	17	18	11	0.025

This plug enables unused tubes to be blanked off.
The male thread on the plug has the same pitch as the female thread on the sleeve nut of a standard Parker Legris fitting.
Therefore the plug screwed into the sleeve nut blanks off the tube.
To reopen the passage, simply unscrew the plug and fit the required coupler.
No further treatment of the tube is required.

0220 Hex Head Plug, Male BSPP and Metric Thread

Brass, technical polymer

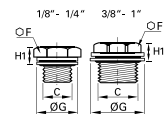


C		F	G	H1	Kg
M5x0.8	0220 19 00	8	8	5	0.002
G1/8	0220 10 00	14	14	7.5	0.011
G1/4	0220 13 00	17	17	7.5	0.020
G3/8	0220 17 00	17	22	8.5	0.024
G1/2	0220 21 00	22	27	10	0.041

Thread with pre-assembled sealing washer
M5: with screwdriver slot for tightening
Maximum allowable working pressure = 20 bar
Conforms to BNA 229 (with the exception of M5 model), BSPP thread, ISO ISO 228-1, Parallel metric thread, ISO NFE 03-054.

0220..39 Hex Head Plug with Bi-Material Seal, Male BSPP Thread

Brass, zinc plated steel with NBR seal

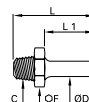


C		F	G	H	Kg
G1/8	0220 10 00 39	14	14	6.5	0.012
G1/4	0220 13 00 39	17	17	6.5	0.020
G3/8	0220 17 00 39	17	22	8	0.025
G1/2	0220 21 00 39	22	26	9	0.042
G3/4	0220 27 00 39	22	32	10	0.059
G1	0220 34 00 39	27	39.5	10.5	0.088

Plug with bi-material seal
Bi-material washers part number 0139 can be found in sub-chapter "Adaptors and Manifolds".
Part Number with suffix 39, maximum allowable working pressure: 250 bar

0120 Stud Standpipe, Male BSPT Thread

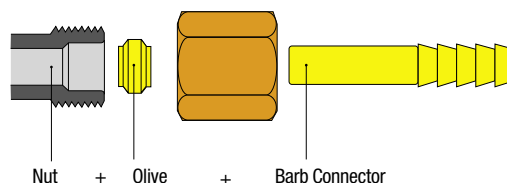
Brass



ØD	C		F	L	L1	Kg
4	R1/8	0120 04 10	11	25.5	14	0.007
5	R1/8	0120 05 10	11	26	14.5	0.007
6	R1/8	0120 06 10	11	26.5	15	0.008
	R1/4	0120 06 13	14	31	15	0.015
	R1/8	0120 08 10	11	28.5	17	0.009
8	R1/4	0120 08 13	14	33	17	0.016
	R3/8	0120 08 17	17	33.5	17	0.020
	R1/4	0120 10 13	14	36	20	0.017
10	R3/8	0120 10 17	17	36.5	20	0.022
	R1/2	0120 10 21	22	41	20	0.039
	R1/4	0120 12 13	14	36	20	0.017
12	R3/8	0120 12 17	17	36.5	20	0.022
	R1/2	0120 12 21	22	41	20	0.040
14	R3/8	0120 14 17	17	38	21.5	0.023
	R1/2	0120 14 21	22	42.5	21.5	0.042
15	R3/8	0120 15 17	17	38	21.5	0.023
	R1/2	0120 15 21	22	42.5	21.5	0.040
16	R3/8	0120 16 17	17	39.5	23	0.024
	R1/2	0120 16 21	22	44	23	0.042
18	R1/2	0120 18 21	22	44.5	23.5	0.042
	R3/4	0120 18 27	27	47.5	23.5	0.070
20	R3/4	0120 20 27	27	49	25	0.070
22	R3/4	0120 22 27	27	48.5	25.5	0.067
	R1	0120 22 34	36	52.5	25.5	0.117
28	R1	0120 28 34	36	57	30	0.140

Assembly: Barb Connectors

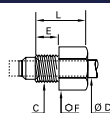
Our barb connectors 0122 and 0165 are designed to be used with different types of hose. They are secured using the nut and olive provided with the fitting.



Brass Compression Fittings / Complementary Fittings

0112 Sleeve Nut for Compression Fitting, Male Metric Thread

Brass



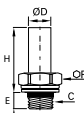
ØD	C		E	F	L	Kg
4	M8x1	0112 04 00	7	10	13	0.005
5	M10x1	0112 05 00	7.5	11	13.5	0.007
6	M10x1	0112 06 00	7.5	11	13.5	0.006
8	M12x1	0112 08 00	8	13	15	0.008
10	M16x1.5	0112 10 00	11	17	18	0.018
12	M18x1.5	0112 12 00	11	19	18	0.021
14	M20x1.5	0112 14 00	11	22	18	0.026

This product was designed to allow the tube to be fitted directly into the tapped port in a body using a standard Parker Legris olive.

For the corresponding drawings (cavity for Parker Legris olive), please consult us.

0128..39 Stud Standpipe with Bi-Material Seal, Male BSPP Thread

Brass, zinc plated steel with NBR seal

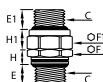


ØD	C		E	F	H	Kg
4	G1/8	0128 04 10 39	7.5	13	20	0.009
	G1/4	0128 04 13 39	9	17	22	0.015
6	G1/8	0128 06 10 39	7.5	13	21	0.010
	G1/4	0128 06 13 39	9	17	23	0.016
8	G1/8	0128 08 10 39	7.5	13	23	0.011
	G1/4	0128 08 13 39	9	17	25	0.017
	G3/8	0128 08 17 39	12	22	26	0.033
10	G1/4	0128 10 13 39	9	17	28	0.018
	G3/8	0128 10 17 39	12	22	29	0.034
	G1/2	0128 10 21 39	27	27	30	0.049
14	G3/8	0128 14 17 39	12	22	30.5	0.035
	G1/2	0128 14 21 39	27	27	31.5	0.049
18	G1/2	0128 18 21 39	27	27	33.5	0.051
	G3/4	0128 18 27 39	14	32	34.5	0.085
22	G3/4	0128 22 27 39	14	32	36.5	0.081
	G1	0128 22 34 39	16.5	41	38	0.123
28	G1	0128 28 34 39	16.5	41	42.5	0.147

With bi-material seal. Bi-material washers part number 0139 can be found in sub-chapter "Adaptors and Manifolds"

0151..39 Straight Male Orientable Adaptor, with Bi-Material Seal, Male BSPP Thread

Brass, NBR, zinc plated steel with NBR seal

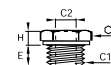


C		E	E1	F	F1	H	H1	Kg
G1/8	0151 10 10 39	5.5	7	13	14	6	6.5	0.017
G1/4	0151 13 13 39	7	8.5	17	19	6.5	9	0.036
G3/8	0151 17 17 39	9.5	9.5	22	22	9	9	0.056
G1/2	0151 21 21 39	10.5	10.5	27	27	10	10	0.082
G3/4	0151 27 27 39	11.5	11.5	32	32	11	10	0.122
G1	0151 34 34 39	13	13.5	41	41	12.5	10.5	0.217

With bi-material seal. Bi-material washers part number 0139 can be found in sub-chapter "Adaptors and Manifolds"

0168..39 Reducer, with Bi-Material Seal, Male BSPP Thread/Female BSPP and Metric Thread

Brass, zinc plated steel with NBR seal

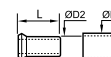


C1	C2		E	F	H	Kg
G1/8	M5x0.8	0168 10 19 39	8	14	4.5	0.009
G1/4	M5x0.8	0168 13 19 39	8	17	5	0.018
G1/4	G1/8	0168 13 10 39	8	17	5	0.012
G3/8	G1/8	0168 17 10 39	10	19	5	0.020
G3/8	G1/4	0168 17 13 39	10	19	5	0.013
G1/2	G1/8	0168 21 10 39	12	24	7.5	0.053
G1/2	G1/4	0168 21 13 39	12	24	7.5	0.044
G1/2	G3/8	0168 21 17 39	12	24	7.5	0.031
G3/4	G1/4	0168 27 13 39	12	32	9.5	0.100
G3/4	G3/8	0168 27 17 39	12	32	9.5	0.086
G3/4	G1/2	0168 27 21 39	12	32	9.5	0.065

With bi-material seal. Bi-material washers part number 0139 can be found in sub-chapter "Adaptors and Manifolds"

0127 Brass Tube Support for Polymer Tubing

Brass



ØD1	ØD2		L	Kg
4	2	0127 04 00	11	0.001
		0127 04 25	413	0.001
4	2.7	0127 04 27	11	0.001
		0127 05 03	11	0.001
5	3	0127 05 00	11.5	1.000
5	3.3	0127 06 00	11.5	0.001
6	4	0127 06 55	14	0.001
8	5.5	0127 08 00	14	0.001
8	6	0127 08 00	14	0.001
10	7	0127 10 07	18	0.001
10	7.5	0127 10 75	18	0.001
10	8	0127 10 00	18	0.002
12	8	0127 12 08	26	0.002
12	9	0127 12 09	18	0.001
12	10	0127 12 00	18	0.001
14	11	0127 14 11	16	0.002
14	12	0127 14 00	18	0.003
15	12	0127 15 12	18	0.002
16	13	0127 16 13	18	0.003
18	14	0127 18 14	19.5	0.003
22	16	0127 22 16	21	0.005

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

Self-Fastening Hose Barb Connectors



This range of fittings is designed to meet the requirements of the automotive and robotics industries, combining as it does optimum CNOMO manufacturing quality, simple installation, reliable operation and a long service life.

Ø metric:
6 to 22 mm

Technical Characteristics

- **Compatible Fluids:** Coolants, compressed air
- **Working Pressure:** 0 to 16 bar
- **Working Temperature:** 0°C to +100°C (water)
-20°C to +70°C (air)

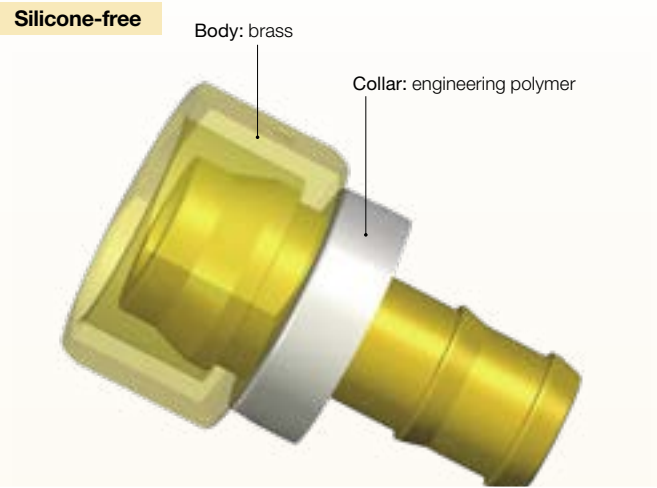
Tightening Torque, Type 0132	DN	6	8	10	14	18	22
	daN.m	0.7	1.5	1.8	3.5	6	7

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

Advantages

- Easy to use
- Spark resistant
- Economic and time saving solution
- Mechanical properties proven for use in industrial robotic installations

Component Materials



Self-Fastening Hose Assembly Machine

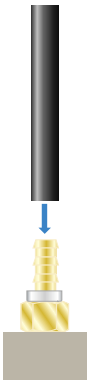
Machine designed to assemble a barb connector and a self-fastening NBR hose.

Machine part number:
0650 00 00 05



Tube Cutting and Positioning

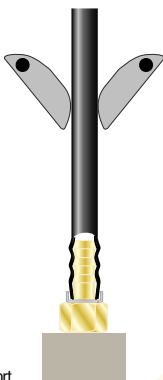
Cut the hose square and position the barb connector on the mounting tool.



Barb Connector Support

Press-Fitting the Tube

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



Barb Connector Support

Regulations

Industrial:

- RoHS
- PED
- REACH

Self-fastening NBR hose is selected by nominal diameter; for example:

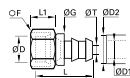
Barb Connector	O.D. (Tube)	Ø DN (Tube)	Self-Fastening NBR hose
0132 10 56	10	1/4	10..H 56...



Self-Fastening Hose Barb Connectors

0132 Self-Fastening Barb Connector for Brass Compression Fitting

Brass

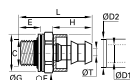


ØD	ØD1	ØD2		F	G	L	L1	ØT	Kg
6	6.3	13	0132 06 56	12	16.5	32.5	12.5	4.8	0.010
8	6.3	13	0132 08 56	14	16.5	29.5	11.5	4.8	0.015
10	6.3	13	0132 10 56	19	16.5	30	14	4.8	0.028
	9.5	16	0132 10 60	19	19.5	34	14	7.5	0.030
14	9.5	16	0132 14 60	24	19.5	35.5	15	7.5	0.050
	12.7	19	0132 14 62	24	23.5	39.5	15	10	0.054
18	12.7	19	0132 18 62	30	23.5	41.5	17	10	0.090
	15.9	23	0132 18 66	30	27	50	17	13.5	0.090
22	19.1	27	0132 22 69	36	30.5	56.5	17	16	0.130

Polymer collar

0133..39 Self-Fastening Bar Connector with Bi-Material Seal, Male BSPP Thread

Brass, zinc plated steel with NBR seal



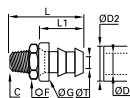
ØD1	ØD2	C		E	F	G	H	L	ØT	Kg
6.3	13	G1/8	0133 56 10 39	5.5	13	14	20	31.5	4.8	0.012
6.3	13	G1/4	0133 56 13 39	7	17	17	20	33.5	4.8	0.017
9.5	16	G1/4	0133 60 13 39	7	17	17	24	37.5	7.5	0.022
9.5	16	G3/8	0133 60 17 39	9.5	22	22	24	42.5	7.5	0.038
12.7	19	G3/8	0133 62 17 39	9.5	22	22	28	46.5	10	0.045
12.7	19	G1/2	0133 62 21 39	10.5	27	26	28	48.5	10	0.059
15.9	23	G1/2	0133 66 21 39	10.5	27	26	36.5	57	13.5	0.064
15.9	23	G3/4	0133 66 27 39	11.5	32	32	36.5	59	13.5	0.095
19.1	27	G3/4	0133 69 27 39	11.5	32	32	43	65.5	16	0.111

Thread with bi-material seal and polymer collar

Bi-material sealing washers part number 0139 can be found in the sub-chapter "Adaptors and Manifolds"

0134 Self-Fastening Barb Connector, Male BSPT Thread

Brass



ØD1	ØD2	C		F	G	L	L1	ØT	Kg
6.3	13	R1/8	0134 56 10	14	16.5	32.5	20	4.8	0.015
6.3	13	R1/4	0134 56 13	14	16.5	37	20	4.8	0.020
9.5	16	R1/4	0134 60 13	14	19.5	41	24	7.5	0.022
9.5	16	R3/8	0134 60 17	19	19.5	41.5	24	7.5	0.036
12.7	19	R3/8	0134 62 17	19	23.5	45.5	28	10	0.038
12.7	19	R1/2	0134 62 21	22	23.5	50	28	10	0.062
15.9	23	R1/2	0134 66 21	22	27	58.5	36.5	13.5	0.056
15.9	23	R3/4	0134 66 27	27	27	60.5	36.5	13.5	0.101
19.1	27	R3/4	0134 69 27	27	30.5	67	43	16	0.108

Polymer collar

Stainless Steel Compression Fittings / Stud Fittings



These "universal" compression fittings offer excellent resistance to environmental conditions and corrosive fluids. They are pressure and temperature-resistant and are able to withstand strong vibration and water hammer. Suitable for food fluids.

Ø metric:
6 to 16 mm

Technical Characteristics

- **Compatible Fluids:** Many fluids
- **Working Pressure:** Vacuum to 400 bar (80 bar in corrosive environments)
- **Working Temperature:** -60°C to +250°C with metal tubing

Tightening Torques

DN	6	8	10	12	16
daN.m	2	3	4	6.5	9.5

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

Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum).

Thread sealing must be guaranteed by user.

Advantages

- Excellent sealing and retention of the tube
- Metallic sealing guarantees maximum service life
- Connection of different types of pipes and tubes: metal, polymers, steel, rubber,...
- No tube support required for rigid and semi-rigid polyamide tubing below 12 mm
- Connection of several pipe diameters thanks to the Parker Legris assembly reduction system
- Range of associated accessories in 316L stainless steel

Maximum Bore Diameters

The table below shows the recommended compatibility of tube size, BSPP male thread and maximum bore.

Tube O.D	BSPP Thread	Max. Bore
6	G1/8	4
6-8-10	G1/4	7
10-12	G3/8	11
16	G1/2	14

Tube Length for Assembly

Minimum length of tube (L) between 2 fittings.



ØD	L mm	ØD	L mm
4	26.5	10	39
6	26	12	39
8	32	16	46.5

The use of Parker Legris stainless steel compression fittings is dependant on the tube material. Tables of recommended working pressure for the different tubes are shown below.

Recommended Tube Type

Semi-rigid polyamide or fluoropolymer tube

Stainless steel tube

"Thin Wall" cold-drawn seamless, annealed and passivated:
wall thickness tolerance ± 0.1 mm.
For use with "thin wall" stainless steel tube from 6 mm to 16 mm O.D., maximum wall thickness 1 mm.

Recommended Tube/Fitting Assembly Configurations

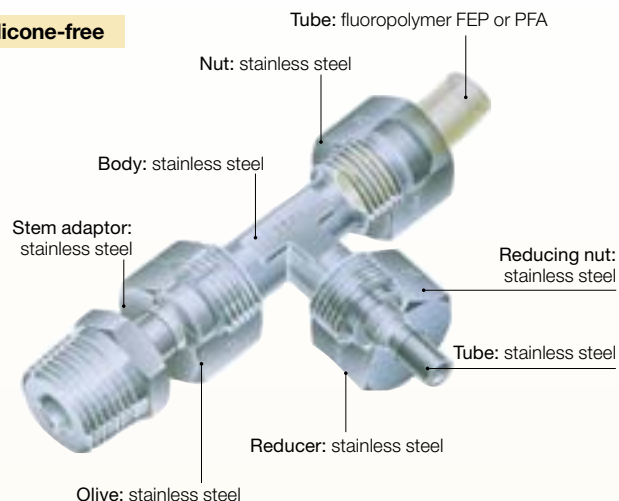
Assembled using Parker Legris olive and nut in stainless steel, with a tube support.

Stainless steel tube

Stainless steel tube: in cold-rolled straight lengths
Coiled annealed stainless tube: reduces working pressure by 35%; do not use if there is vibration.

Component Materials

Silicone-free



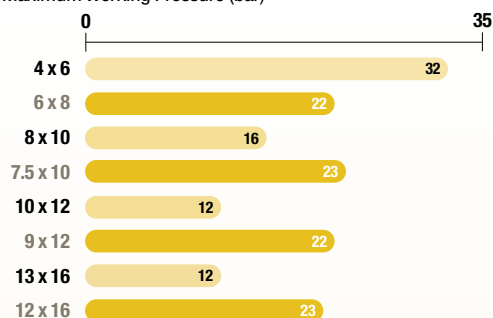
Regulations

- RoHS
- PED
- REACH
- 1935/2004

Stainless Steel Compression Fittings / Stud Fittings

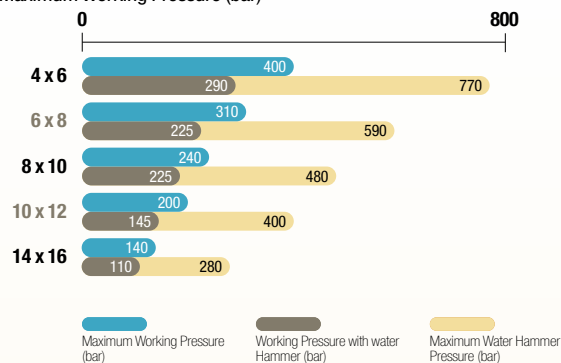
Semi-Rigid Polyamide Tube

Maximum Working Pressure (bar)



Stainless Steel Tube

Maximum Working Pressure (bar)



Working Pressure Coefficients for Semi-Rigid Tubing

Temperature °C	-40°C / -15°C	-15°C / +30°C	+30°C / +50°C	+50°C / +70°C	+70°C / +100°C
Factor	1.8	1	0.68	0.55	0.31

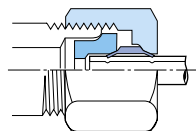
The above recommendations are given in good faith. However, since each application is different, it is advisable to undertake tests in actual working conditions.

Installations

Fitting

The fitting comprises three parts (body/olive/nut). For assembly procedure, please see Brass Compression Fitting page.

Diagram: Assembled Fitting

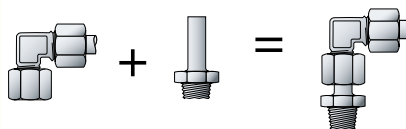


A very slight distortion of the tube appears; this shows the fitting has been correctly tightened.

Orientable Elbow Assembly

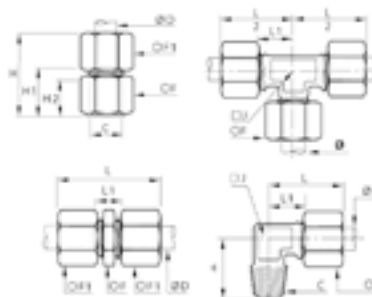
Elbow
1802

Adaptor
1820



Customised Fittings

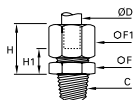
If our standard range does not meet your needs, Parker Legris can develop customised solutions for your applications.



Stainless Steel Compression Fittings / Stud Fittings

1805 Stud Fitting, Male BSPT Thread

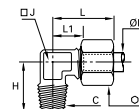
Stainless steel 316L



ØD	C		F	F1	H max	H1	Kg
6	R1/8	1805 06 10	12	13	19.5	7.5	0.017
	R1/4	1805 06 13	14	13	19.5	7.5	0.025
8	R1/8	1805 08 10	13	14	21	7	0.019
	R1/4	1805 08 13	14	14	21	7	0.024
10	R1/4	1805 10 13	17	19	25.5	9	0.043
	R3/8	1805 10 17	17	19	25.5	9	0.049
12	R1/2	1805 10 21	22	19	26.5	10	0.076
	R1/4	1805 12 13	19	22	26	9	0.054
16	R3/8	1805 12 17	19	22	26	9	0.057
	R1/2	1805 12 21	22	22	27	10	0.081
	R3/8	1805 16 17	24	27	28.5	9.5	0.086
	R1/2	1805 16 21	24	27	28.5	9.5	0.093

1809 Stud Elbow, Male BSPT Thread

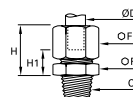
Stainless steel 316L



ØD	C		F	H	J	L max	L1	Kg
6	R1/8	1809 06 10	13	18	8	25.5	13.5	0.020
	R1/4	1809 06 13	13	23	10	25.5	13.5	0.029
8	R1/8	1809 08 10	14	20.5	10	28.5	14.5	0.026
	R1/4	1809 08 13	14	23	10	28.5	14.5	0.030
10	R1/4	1809 10 13	19	25	12	32.5	16	0.051
	R3/8	1809 10 17	19	25.5	12	32.5	16	0.057
12	R1/2	1809 10 21	19	32	18	36.5	20	0.091
	R1/4	1809 12 13	22	26	14	34	17	0.067
16	R1/2	1809 12 21	22	27	14	34	17	0.070
	R3/8	1809 12 17	22	32	18	37	20	0.098
	R3/8	1809 16 17	27	28.5	18	39.5	21	0.107
	R1/2	1809 16 21	27	31.5	18	39.5	21	0.114

1805 Stud Fitting, Male NPT Thread

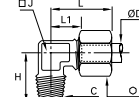
Stainless steel 316L



ØD	C		F	F1	H max	H1	Kg
6	NPT1/8	1805 06 11	12	13	19.5	7.5	0.018
	NPT1/4	1805 06 14	14	13	19.5	7.5	0.027
	NPT3/8	1805 06 18	19	13	20.5	8.5	0.033
8	NPT1/8	1805 08 11	13	14	21	7	0.021
	NPT1/4	1805 08 14	14	14	21	7	0.027
	NPT1/4	1805 10 14	17	19	25.5	9	0.045
10	NPT3/8	1805 10 18	19	19	25.5	9	0.055
	NPT1/2	1805 10 22	22	19	26.5	10	0.082
	NPT1/4	1805 12 14	19	22	26	9	0.057
12	NPT3/8	1805 12 18	19	22	26	9	0.060
	NPT1/2	1805 12 22	22	22	27	10	0.086

1809 Stud Elbow, Male NPT Thread

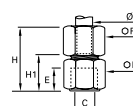
Stainless steel 316L



ØD	C		F	H	J	L max	L1	Kg
6	NPT1/4	1809 06 14	13	25.5	10	25.5	13.5	0.032
8	NPT1/8	1809 08 11	14	22	10	28.5	14.5	0.027
	NPT1/4	1809 08 14	14	25.5	10	28.5	14.5	0.032
10	NPT1/4	1809 10 14	19	27.5	12	32.5	16	0.053
	NPT3/8	1809 10 18	19	28	12	32.5	16	0.060
12	NPT1/2	1809 10 22	19	35	18	36.5	20	0.096
	NPT1/2	1809 12 22	22	35	18	37	20	0.101

1814 Stud Fitting, Female BSPP Thread

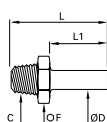
Stainless steel 316L



ØD	C		E	F	F1	H max	H1	Kg
6	G1/8	1814 06 10	7.5	14	13	29	17	0.024
	G1/4	1814 06 13	11	17	13	29	21	0.031
8	G1/4	1814 08 13	11	17	14	34.5	20.5	0.033
10	G3/8	1814 10 17	11.5	22	19	38.5	22	0.064
	G1/2	1814 10 21	15	27	19	43	26.5	0.094
12	G3/8	1814 12 17	11.5	22	22	39	22	0.073
	G1/2	1814 12 21	15	27	22	43.5	26.5	0.102
16	G1/2	1814 16 21	15	27	27	45	26	0.121

1820 Stud Standpipe, Male BSPT Thread

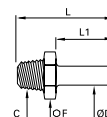
Stainless steel 316L



ØD	C		F	L	L1	Kg
6	R1/8	1820 06 10	12	26.5	15	0.009
	R1/4	1820 06 13	14	31	15	0.017
8	R1/8	1820 08 10	12	28.5	17	0.008
	R1/4	1820 08 13	14	33	17	0.016
10	R1/4	1820 10 13	14	36	20	0.016
	R3/8	1820 10 17	17	36.5	20	0.025
12	R1/2	1820 12 21	22	41	20	0.052
	R1/4	1820 12 13	14	36	20	0.016
12	R3/8	1820 12 17	17	36.5	20	0.023
	R1/2	1820 12 21	22	41	20	0.048
16	R3/8	1820 16 17	17	39.5	23	0.022
	R1/2	1820 16 21	22	44	23	0.039

1820 Stem Adaptor, Male NPT Thread

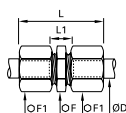
Stainless steel 316L



ØD	C		F	L	L1	Kg
8	NPT1/8	1820 08 11	12	28.5	17	0.009
	NPT1/4	1820 08 14	14	33	17	0.019
10	NPT1/4	1820 10 14	14	36	20	0.018
	NPT1/4	1820 12 14	14	36	20	0.019
12	NPT3/8	1820 12 18	19	36.5	20	0.028
	NPT1/2	1820 12 22	22	41	20	0.053

1806 Equal Tube-to-Tube Connector

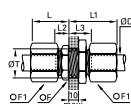
Stainless steel 316L



ØD		F	F1	L max	L1	Kg
6	1806 06 00	12	13	34.5	11	0.025
8	1806 08 00	13	14	38.5	10	0.029
10	1806 10 00	17	19	46	13	0.065
12	1806 12 00	19	22	47	13	0.085
16	1806 16 00	24	27	51	13	0.135

1816 Equal Bulkhead Connector

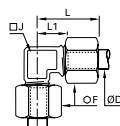
Stainless steel 316L



ØD		F	F1	L max	L1 max	L2	L3	ØT min	Kg
6	1816 06 00	13	13	28	19	7.5	17	10.5	0.034
8	1816 08 00	14	14	29	20	7	17	12.5	0.042
10	1816 10 00	19	19	33	25	9	19	16.5	0.093
12	1816 12 00	22	22	33	25	9	19	18.5	0.113
16	1816 16 00	27	27	36	28	9.5	19.5	22.5	0.179

1802 Equal Elbow

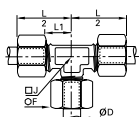
Stainless steel 316L



ØD		F	J	L max	L1	Kg
6	1802 06 00	13	8	25.5	13.5	0.027
8	1802 08 00	14	10	28.5	14.5	0.034
10	1802 10 00	19	12	32.5	16	0.070
12	1802 12 00	22	14	34	17	0.092
16	1802 16 00	27	18	39.5	21	0.151

1804 Equal Tee

Stainless steel 316L

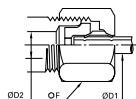


ØD		F	J	L/2	L1	Kg
6	1804 06 00	13	8	25.5	13.5	0.039
8	1804 08 00	14	10	28.5	14.5	0.049
10	1804 10 00	19	12	32.5	16	0.100
12	1804 12 00	22	14	34	17	0.133
16	1804 16 00	27	18	39.5	21	0.216

Stainless Steel Compression Fittings / Complementary Fittings

1866 3-Piece Reducer

Stainless steel 316L



ØD1	ØD2		F	Kg
6	8	1866 06 08	14	0.011
	10	1866 06 10	19	0.027
8	10	1866 08 10	19	0.025

1824 Stainless Steel Olive

Stainless steel 316L



ØD		Kg
6	1824 06 00	0.002
8	1824 08 00	0.001
10	1824 10 00	0.003
12	1824 12 00	0.004
16	1824 16 00	0.005

1810 Stainless Steel Nut

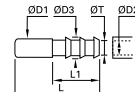
Stainless steel 316L



ØD	C		F	L	Kg
6	M10x1	1810 06 00	13	11	0.007
8	M12x1	1810 08 00	14	13	0.008
10	M16x1.5	1810 10 00	19	15	0.017
12	M18x1.5	1810 12 00	22	15	0.024
16	M22x1.5	1810 16 00	27	17	0.041

1822 Barb Adaptor for Hose

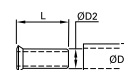
Stainless steel 316L



ØD1	ØD2	ØD3		L	L1	ØT min	Kg
6	7	9	1822 06 07	37.5	22.5	6	0.006
	6	8	1822 08 06	40	22.5	5	0.007
8	7	9	1822 08 07	40	22.5	6	0.007
	10	12.5	1822 08 10	40	22.5	9	0.011
10	7	9	1822 10 07	43	22.5	6	0.009
	10	12.5	1822 10 10	43	22.5	9	0.012
12	10	12.2	1822 12 10	43	22.5	9	0.012
	13	15	1822 12 13	50	29.5	13	0.015

1827 Stainless Steel Tube Support for Fluoropolymer Tubing

Stainless steel 316L



ØD1	ØD2		L	Kg
6	4	1827 06 00	11.5	0.001
8	6	1827 08 00	14	0.001
10	8	1827 10 00	18	0.001
12	9	1827 12 09	18	0.001
	10	1827 12 00	18	0.001
16	13	1827 16 13	18	0.002
	14	1827 16 00	18	0.002

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

Nickel-Plated Brass Spigot Fittings



Particularly suitable for flexible tubing, PL fittings allow the tubes to be disassembled and reused.

Ø metric:
4 to 14 mm

Technical Characteristics

- **Compatible Fluids:** Compressed air
Other fluids: contact us
- **Working Pressure:** Vacuum to 18 bar with BPLM-M nut
Vacuum to 40 bar with BPLM nut
- **Working Temperature:** -40°C to +100°C

Tightening Torque (Nm)	M5 x0.8	M6 x1	1/8	1/4	3/8	1/2
BSPT Thread			8	12	14	16
BSPP Thread with "O" ring			1.2	1.5	2.5	3.5
BSPP Thread with metal sleeve			5	8	10	12
Metric Thread	0.8	0.8				

Reliable performance is dependent upon the type of fluid conveyed, component materials and tubing being used.

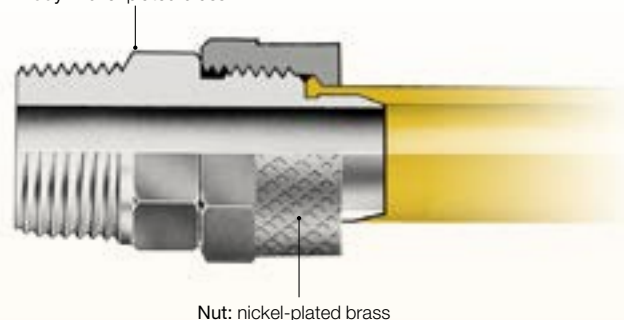
Guaranteed for use with a vacuum of 755 mm Hg (99% vacuum).

For use with fire-proof tubing: please consult us.

Component Materials

Silicone-free

Body: nickel-plated brass



Nut: nickel-plated brass

Advantages

- Full flow sealing system
- Compatible with flexible and semi-rigid tubes (polyurethane, polyamide, polyethylene, fluoropolymers, etc.)
- Reliable direct sealing system without the use of a seal or olive
- Nickel-plated for increased corrosion resistance

Installation

Cutting the Tube



Cut the polymer tube square.

Preparing the Connection



Slide the nut onto the tube.

Connecting the Tube



Push the tube home into the body of the fitting.

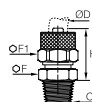
Final Assembly



Tighten the nut by hand (in the case of soft tubing) or using a spanner (for semi-rigid tubing) until it comes into contact with the end stop.

F3BPL Stud Fitting, Male BSPT Thread

Nickel-plated brass

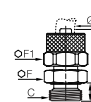


ØD	C		F	F1	H	Kg
2.7x4	R1/8	F3BPL2.7/4-1/8	12	8	16	0.009
4x6	R1/8	F3BPL4/6-1/8	12	12	19.5	0.016
	R1/4	F3BPL4/6-1/4	14	12	20	0.025
	R1/8	F3BPL6/8-1/8	12	14	19.5	0.019
6x8	R1/4	F3BPL6/8-1/4	14	14	20	0.026
	R3/8	F3BPL6/8-3/8	17	14	20	0.030
	R1/4	F3BPL8/10-1/4	14	16	21.5	0.031
8x10	R3/8	F3BPL8/10-3/8	17	16	21.5	0.043
	R3/8	F3BPL10/12-3/8	17	18	23	0.036
11x14	R3/8	F3BPL11/14-3/8	22	22	23.5	0.061

Compatible with BPLM-M nut only

F4BPL Stud Fitting, Male BSPP Thread

Nickel-plated brass, NBR



ØD	C		E	F	F1	H	Kg
4x6	G1/8	F4BPL4/6-1/8	6	13	12	19.5	0.031
6x8	G1/4	F4BPL6/8-1/4	8	16	14	20	0.033

Compatible with BPLM-M nut only

Nickel-Plated Brass Spigot Fittings

F8BPL Stud Fitting, Male Metric Thread

Nickel-plated brass, NBR

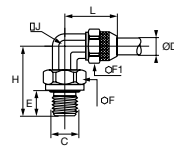


ØD	C		E	F	F1	H	Kg
6x8	M10x1	F8BPL6/8M10	8	14	13	20	0.025
	M12x1.25	F8BPL6/8M12	8	17	14	28	0.028

Compatible with BPLM nut only.
These fittings are supplied with a copper seal.
Maximum working pressure: 40 bar

C8BPL-1 Stud Elbow, Male Metric Thread

Nickel-plated brass, NBR

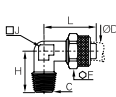


ØD	C		E	F	F1	H	J	L	Kg
6x8	M10x1	C8BPL6/8M10	6.5	14	14	22	10	23	0.030
	M12x1.25	C8BPL6/8M12X125	8	17	14	25	10	23	0.035

These fittings are supplied with nitrile seals.
Compatible with BPLM-M nut only.

C3BPL Stud Elbow, Male BSPT Thread

Nickel-plated brass

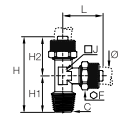


ØD	C		F	H	J	L	Kg
2.7x4	R1/8	C3BPL2.7/4-1/8	8	17	8	19.5	0.018
4x6	R1/8	C3BPL4/6-1/8	12	17	8	22.5	0.022
	R1/4	C3BPL4/6-1/4	12	20	10	22.5	0.031
	R1/8	C3BPL6/8-1/8	14	17	10	22.5	0.029
6x8	R1/4	C3BPL6/8-1/4	14	20	10	22.5	0.031
	R3/8	C3BPL6/8-3/8	14	22.5	11	24	0.064
7.5x10	R1/4	C3BPL7.5/10-1/4	16	22.5	12	28	0.057
8x10	R1/4	C3BPL8/10-1/4	16	21.5	11	25.5	0.057
	R3/8	C3BPL8/10-3/8	16	22.5	11	25.5	0.057
10x12	R3/8	C3BPL10/12-3/8	18	24.5	14	30	0.060
11x14	R3/8	C3BPL11/14-3/8	22	28	14	34	0.075

Compatible with BPLM-M nut only

R3BPL Stud Run Tee, Male BSPT Thread

Nickel-plated brass

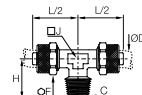


ØD	C		F	H	H1	H2	J	Kg
4x6	R1/8	R3BPL4/6-1/8	12	39.5	17	22.5	8	0.035
	R1/4	R3BPL4/6-1/4	12	43.5	21	22.5	10	0.048

Compatible with BPLM-M nut only

S3BPL Stud Branch Tee, Male BSPT Thread

Nickel-plated brass

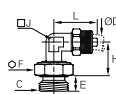


ØD	C		F	H	J	L/2	Kg
4x6	R1/8	S3BPL4/6-1/8	12	17	8	22.5	0.035
	R1/4	S3BPL4/6-1/4	12	20.5	10	22.5	0.047

Compatible with BPLM-M nut only

C4BPL Stud Elbow, Male BSPP Thread

Nickel-plated brass, NBR

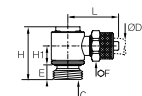


ØD	C		E	F	F1	H	J	L	Kg
4x6	G1/4	C4BPL4/6-1/4	8	17		25	10	23.5	0.066
6x8	G1/4	C4BPL6/8-1/4	8	17	14	25	10	23.5	0.068

These fittings are supplied with nitrile seals.
Compatible with BPLM-M nut only.

COR4BPL Single Banjo, Male BSPP Thread

Nickel-plated brass, treated steel, NBR



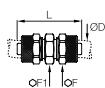
ØD	C		E	F	H	H1	L	Kg
4x6	G1/8	COR4BPL4/6-1/8	6.5	12	25.5	9	24	0.069
	G1/4	COR4BPL4/6-1/4	8	12	31.5	10	26	0.097
6x8	G1/4	COR4BPL6/8-1/4	8	14	31.5	10	26	0.101
	G1/8	COR4BPL6/8-1/8	6.5	14	25.5	9	24	0.073

These parts are supplied with peripheral seals.
The banjo bolt is made of steel.
Compatible with BPLM-M nut only.

Nickel-Plated Brass Spigot Fittings

HBPL Equal Tube-to-Tube Connector

Nickel-plated brass

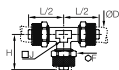


ØD			F	F1	L	Kg
2.7x4		HBPL2.7/4	8	8	26	0.010
4x6		HBPL4/6	12	12	34.5	0.021
6x8		HBPL6/8	14	14	35	0.030
8x10		HBPL8/10	14	16	38	0.043
10x12		HBPL10/12	17	18	41	0.056

Compatible with BPLM-M nut only

JBPL Equal Tee

Nickel-plated brass

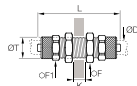


ØD			F	H	J	L/2	Kg
4x6		JBPL4/6	12	22.5	8	22.5	0.042
6x8		JBPL6/8	14	22.5	10	22.5	0.057

Compatible with BPLM-M nut only

WBPL Equal Bulkhead Connector

Nickel-plated brass

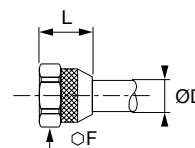


ØD			F	F1	K max	L	ØT	Kg
4x6		WBPL4/6	14	12	10.5	48	10	0.030
6x8		WBPL6/8	16	14	10.5	48	12	0.040
8x10		WBPL8/10	17	16	8.5	50	14	0.057

Compatible with BPLM-M nut only

BPLM Nut

Nickel-plated brass



ØD	C			E	F	L	Kg
2.7x4	M6x0.50		BPL4M	6	8	8	0.003
4x6	M8x0.75		BPL6M	6.5	9	9	0.006
6x8	M12x1		BPL8M	7.5	14	10.5	0.009
8x10	M14x1		BPL10M	8	16	11.5	0.014

Maximum working pressure: 40 bar

BPLM-M Nut

Nickel-plated brass

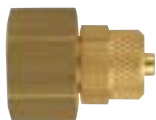


ØD	C			F	L	Kg
4x6	M8x0.75		BPL6M-1	9	9	0.006
6x8	M12x1		BPL8M-1	14	10.5	0.008
8x10	M14x1		BPL10M-1	16	11.5	0.012

Brass, Stainless Steel, Composite Spigot Fittings

MV Female Stud Fitting

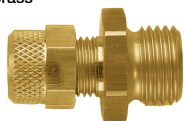
Brass



ØD	C		HEX	L
4x6	G1/8	MV10/06	14	23
	G1/4	MV13/06	17	25
6x8	G1/4	MV13/08	17	25

EV Stud Fitting

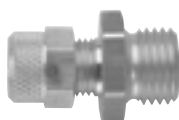
Brass



ØD	C		HEX	L	Version
3x4	M5	EV05/04	7	20	Brass
3x5	M5	EV05/05	7	20	Brass
4x6	M5	EV05/06	8	21	Brass
	G1/8	EV10/06	12	25	Brass
6x8	G1/8	EV10/08	14	24	Brass
4x6	G1/4	EV13/06	17	26	Brass
6x8	G1/4	EV13/08	17	26	Brass
8x10	G1/4	EV13/10	17	31	Brass
9x12	G1/4	EV13/12	17	31	Brass
	G3/8	EV17/12	19	31	Brass

EV Stud Fitting

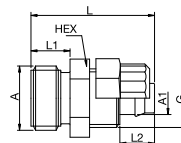
Stainless steel



ØD	C		HEX	L	Version
3x4	M5	EV05/04R	7	20	AISI 303
3x5	M5	EV05/05R	7	20	AISI 303
4x6	M5	EV05/06R	8	21	AISI 303
	G1/8	EV10/06R	12	25	AISI 303
6x8	G1/8	EV10/08R	14	24	AISI 303

EV Plastic Screw Connector

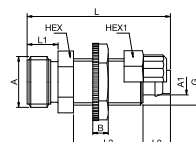
POM or CHEM



ØD	C		HEX	G	L	L1	L2	Version
4x6	G1/4	EV13/06DX	14	M 10 x 1	25	8	13	POM
6x8	G1/4	EV13/08DX	14	M 12 x 1	25	8	13	POM
4x6	G1/4	EV13/06FX	14	M 10 x 1	25	8	13	CHEM
6x8	G1/4	EV13/08FX	14	M 12 x 1	25	8	13	CHEM

EK Panel Mount, Plastic Hose Connection

POM or CHEM



ØD	C		HEX	HEX1	B	G	L	L1	L2	L3	Version
4x6	G1/4	EK13/06DX	14	14	4	M 10 x 1	37	7	8	18	POM
6x8	G1/4	EK13/08DX	14	17	4	M 12 x 1	37	8	8	18	POM
4x6	G1/4	EK13/06FX	14	14	4	M 10 x 1	37	7	8	18	CHEM
6x8	G1/4	EK13/08FX	14	17	4	M 12 x 1	37	8	8	18	CHEM

A close-up photograph of a metal manifold, showing its textured surface and various ports. A white rectangular box is overlaid on the top left, containing the title text. The entire image is covered with a fine, light-colored grid pattern.

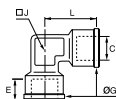
ADAPTORS AND MANIFOLDS

Adaptors and Manifolds

	Materials	Fluids	Maximum Pressure (bar)	Temperature		Performance in Aggressive Environments		Page
				Min.	Max.	Mechanical	Chemical	
Adaptors and Manifolds								
<div>Nickel-Plated Brass Adaptors</div> <div></div>	Nickel-plated brass	Compressed air	60	-10°C	+80°C	Good	Moderate	163
<div>Brass Adaptors</div> <div></div>	Brass	Compressed air	200	-40°C	+150°C	Good	Moderate	168
<div>Stainless Steel Adaptors</div> <div></div>	316L stainless steel	All fluids	200	-20°C	+180°C	Excellent	Excellent	173
<div>Manifolds</div> <div></div>	Anodised aluminium, brass	Compressed air	20	-10°C	+80°C	Excellent	Good	176
<div>Plugs</div> <div></div>	Brass, nickel-plated brass, stainless steel, steel	All fluids (depending on materials)	200	-60°C	+180°C	Excellent	Moderate to excellent	178
<div>Accessories</div> <div></div>	FKM, copper, polymer	All fluids (depending on materials)	250	-250°C	+260°C		Excellent	182

0912 Equal Stud Elbow, Female BSPP and Metric Thread

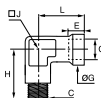
Nickel-plated brass



C		E	G	J	L	Kg
M5x0.8	0912 00 19	4	8	9	11	0.007
G1/8	0912 00 10	8	13	10	18.5	0.015
G1/4	0912 00 13	11.5	17	12	22.5	0.029
G3/8	0912 00 17	11.5	21	15	25.5	0.043
G1/2	0912 00 21	14	26	19	30	0.073
G3/4	0912 00 27	16.5	32	22	35.5	0.106
G1	0912 00 34	18	38.5	28	40.5	0.165

0921 Equal Stud Elbow, Male/Female and Metric Thread

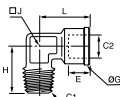
Nickel-plated brass



C		E	G	H	J	L	Kg
M5x0.8	0921 00 19	4	8	11.5	9	11	0.007

0913 Equal Stud Elbow, Male BSPT/ Female BSPP Thread

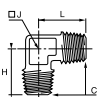
Nickel-plated brass



C1	C2		E	G	H	J	L	Kg
R1/8	G1/8	0913 00 10	8	13	17	10	18.5	0.012
R1/4	G1/4	0913 00 13	11.5	17	22.5	12	22.5	0.025
R3/8	G3/8	0913 00 17	11.5	21	25.5	15	25.5	0.040
R1/2	G1/2	0913 00 21	14	26	30	19	30	0.064
R3/4	G3/4	0913 00 27	16.5	32	34.5	22	35.5	0.098
R1	G1	0913 00 34	18	38.5	40.5	28	40.5	0.162

0914 Equal Stud Elbow, Male BSPT Thread

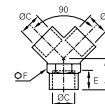
Nickel-plated brass



C		H	J	L	Kg
R1/8	0914 00 10	17	10	17	0.010
R1/4	0914 00 13	22.5	12	22.5	0.022
R3/8	0914 00 17	25.5	15	25.5	0.034
R1/2	0914 00 21	30	19	30	0.057
R3/4	0914 00 27	34.5	22	34.5	0.093
R1	0914 00 34	40.5	28	40.5	0.157

0910 Equal Y, Female BSPP Thread

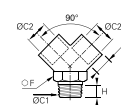
Nickel-plated brass



C		E	F	H	Kg
G1/8	0910 00 10	8	13	12	0.019
G1/4	0910 00 13	11	17	14	0.033
G3/8	0910 00 17	11.5	20	16	0.046
G1/2	0910 00 21	14	25	19	0.085

0911 Equal Y, Male BSPT/Female BSPP Thread

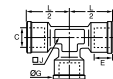
Nickel-plated brass



C1	C2		E	F	H	Kg
R1/8	G1/8	0911 00 10	8	13	8	0.022
R1/4	G1/4	0911 00 13	11	17	11	0.038
R3/8	G3/8	0911 00 17	11.5	20	11.5	0.051
R1/2	G1/2	0911 00 21	14	25	14	0.105

0915 Equal Tee, Female BSPP and Metric Thread

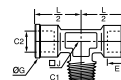
Nickel-plated brass



C		E	G	H	J	L/2	Kg
M5x0.8	0915 00 19	5	8	11	9	11	0.010
G1/8	0915 00 10	8	13	18.5	10	18.5	0.021
G1/4	0915 00 13	11	17	22.5	12	22.5	0.042
G3/8	0915 00 17	11.5	21	25.5	15	25.5	0.062
G1/2	0915 00 21	14	26	30	19	30	0.097
G3/4	0915 00 27	16.5	32	35.5	22	35.5	0.145
G1	0915 00 34	18	38.5	40.5	28	40.5	0.238

0916 Equal Stud Branch Tee, Male BSPT/Female BSPP Thread

Nickel-plated brass

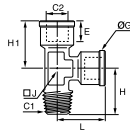


C1	C2		E	G	H	J	L/2	Kg
R1/8	G1/8	0916 00 10	8	13	17	10	18	0.019
R1/4	G1/4	0916 00 13	11	17	22.5	12	22.5	0.038
R3/8	G3/8	0916 00 17	11.5	21	25.5	15	25.5	0.058
R1/2	G1/2	0916 00 21	14	26	30	19	30	0.091
R3/4	G3/4	0916 00 27	16.5	32	34.5	22	35	0.139

Nickel-Plated Brass Adaptors

0917 Equal Stud Run Tee, Female BSPP/Male BSPT Thread

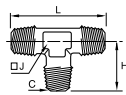
Nickel-plated brass



C1	C2		E	G	H	H1	J	L	Kg
R1/8	G1/8	0917 00 10	8	13	17	18.5	10	18.5	0.019
R1/4	G1/4	0917 00 13	11	17	22.5	22.5	12	22.5	0.038
R3/8	G3/8	0917 00 17	11.5	21	25.5	25.5	15	25.5	0.058
R1/2	G1/2	0917 00 21	14	26	30	30	19	30	0.089
R3/4	G3/4	0917 00 27	16.5	32	34.5	35.5	22	35.5	0.136

0927 Equal Tee, Male BSPT Thread

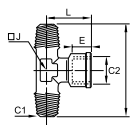
Nickel-plated brass



C		H	J	L	Kg
R1/8	0927 00 10	17	10	34	0.013
R1/4	0927 00 13	22.5	12	45	0.032
R3/8	0927 00 17	25.5	15	51	0.056
R1/2	0927 00 21	30	19	60	0.079
R3/4	0927 00 27	34.5	22	69	0.130

0928 Equal Stud Branch Tee, Male BSPT/ Female BSPP Thread

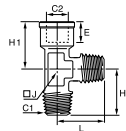
Nickel-plated brass



C1	C2		E	H	J	L	Kg
R1/8	G1/8	0928 00 10	8	34	10	18.5	0.016
R1/4	G1/4	0928 00 13	11	45	12	22.5	0.035
R3/8	G3/8	0928 00 17	11.5	51	15	25.5	0.053
R1/2	G1/2	0928 00 21	14	60	19	30	0.086
R3/4	G3/4	0928 00 27	16.5	69	22	35.5	0.236

0932 Equal Stud Run Tee, Male BSPT/Female BSPP Thread

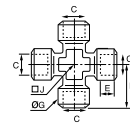
Nickel-plated brass



C1	C2		E	H	H1	J	L	Kg
R1/8	G1/8	0932 00 10	8	17	18.5	10	17	0.016
R1/4	G1/4	0932 00 13	11	22.5	22.5	12	22.5	0.035
R3/8	G3/8	0932 00 17	11.5	25.5	25.5	15	25.5	0.053
R1/2	G1/2	0932 00 21	14	30	30	19	30	0.091
R3/4	G3/4	0932 00 27	16.5	34.5	35.5	22	34.5	0.080

0908 Equal Cross, Female BSPP Thread

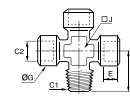
Nickel-plated brass



C		E	G	H	J	Kg
G1/8	0908 00 10	8	13	21	10	0.038
G1/4	0908 00 13	11	17	25.5	13	0.074
G3/8	0908 00 17	11.5	21	28	17	0.109
G1/2	0908 00 21	14	26	33.5	21	0.186

0909 Equal Cross, Male BSPT/Female BSPP Thread

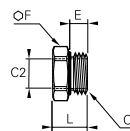
Nickel-plated brass



C1	C2		E	G	H	J	Kg
R1/8	G1/8	0909 00 10	8	13	18.5	10	0.034
R1/4	G1/4	0909 00 13	11	17	23.5	13	0.069
R3/8	G3/8	0909 00 17	11.5	21	26	17	0.098
R1/2	G1/2	0909 00 21	14	26	31	21	0.168

0178 Reducer, Male/Female BSPP and Metric Thread

Nickel-plated brass, NBR

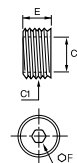


C1	C2		E	F	L	Kg
M7x1	M5x0.8	0178 55 19	5	10	12	0.005
G1/8	M5x0.8	0178 10 19	5	13	9	0.005
G1/4	G1/8	0178 13 10	5.5	16	9.5	0.006
G3/8	G1/8	0178 17 10	5.5	20	10.5	0.016
G3/8	G1/4	0178 17 13	5.5	20	10.5	0.011
G1/2	G1/4	0178 21 13	7.5	24	12.5	0.024
G1/2	G3/8	0178 21 17	7.5	24	12.5	0.016
G3/4	G1/2	0178 27 21	7.5	32	13.5	0.035

With integrated O-ring seal

0903 Reducer, Male/Female BSPP Thread

Nickel-plated brass



C1	C2		E	F	Kg
G1/4	G1/8	0903 10 13	8	6	0.004
G3/8	G1/4	0903 13 17	9	8	0.007
G1/2	G3/8	0903 17 21	10	10	0.011
G3/4	G1/2	0903 21 27	14	12	0.023
G1	G3/4	0903 27 34	20	17	0.038

Nickel-Plated Brass Adaptors

0904 Reducer, Male BSPT/Female BSPP Thread

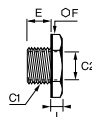
Nickel-plated brass



C1	C2		F	L	Kg
R1/4	G1/8	0904 10 13	14	16	0.010
R3/8	G1/8	0904 10 17	17	16.5	0.020
R1/2	G1/8	0904 10 21	22	19.5	0.035
R3/8	G1/4	0904 13 17	17	16.5	0.015
R1/2	G1/4	0904 13 21	22	19.5	0.031
R1/2	G3/8	0904 17 21	22	19.5	0.024
R3/4	G3/8	0904 17 27	27	23	0.056
R3/4	G1/2	0904 21 27	27	23	0.045
R1	G1/2	0904 21 34	34	27	0.101
R1	G3/4	0904 27 34	34	27	0.074

0905 Reducer, Male BSPP/Female BSPP and Metric Thread

Nickel-plated brass

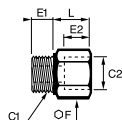


C1	C2		E	F	L	Kg
G1/8	M5x0.8	0905 19 10	6	14	4.5	0.008
G1/4	G1/8	0905 10 13	8	17	5	0.011
	G1/8	0905 10 17	9	19	5	0.019
G3/8	G1/4	0905 13 17	9	19	5	0.013
	G1/4	0905 13 21	10	24	5.5	0.031
G1/2	G3/8	0905 17 21	10	24	5.5	0.022
	G3/8	0905 17 27	11	30	6.5	0.055
G3/4	G1/2	0905 21 27	11	30	6.5	0.041

*Please contact us for detailed drawings of external thread.

0906 Increaser, Male BSPP and Metric/Female BSPP Thread

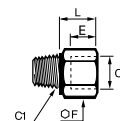
Nickel-plated brass



C1	C2		E1	E2	F	L	Kg
M5x0.8	G1/8	0906 10 19	4	8	14	10.5	0.010
	G1/8	0906 00 10	6	8	14	10.5	0.011
G1/8	G1/4	0906 10 13	6	11	17	13.5	0.017
	G3/8	0906 10 17	6	11.5	22	14.5	0.029
	G1/4	0906 00 13	8	11	17	13.5	0.019
G1/4	G3/8	0906 13 17	8	11.5	22	14.5	0.032
	G1/2	0906 13 21	8	14	24	18	0.037
	G3/8	0906 00 17	9	11.5	22	14.5	0.035
	G1/2	0906 17 21	9	14	24	18	0.038
G1/2	G1/2	0906 00 21	10	14	26	20	0.053

0933 Increaser, Male BSPT/Female BSPP Thread

Nickel-plated brass



C1	C2		F	L	Kg
R1/8	G1/8	0933 00 10	14	10	0.011
R1/4	G1/4	0933 00 13	17	13.5	0.020
R3/8	G3/8	0933 00 17	22	14.5	0.037
R1/2	G1/2	0933 00 21	26	18	0.058
R1/8	G1/4	0933 10 13	17	13.5	0.017
R1/4	G3/8	0933 13 17	22	14.5	0.034
R1/4	G1/2	0933 13 21	24	18	0.038
R3/8	G1/2	0933 17 21	24	18	0.041
R1/2	G3/4	0933 21 27	32	23.5	0.080

0907 Equal Extended Adaptor, Male/Female BSPP Thread

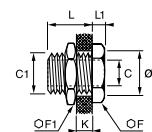
Nickel-plated brass



C		E	F	L	Kg
G1/8	0907 00 10	6	14	16	0.015
	0907 00 10 01	6	14	36	0.030
G1/4	0907 00 13	8	17	27	0.031
	0907 00 13 01	8	17	43	0.047

0920 Bulkhead Connector, Female BSPP and Metric Thread

Nickel-plated brass



C	C1		F	F1	K max	L	L1	ØT	Kg
M5x0.8	M10x1	0920 00 19	14	14	7	10.5	3.5	10.5	0.012
G1/8	M16x1.5	0920 00 10	19	22	10	14	4	16.5	0.030
G1/4	M20x1.5	0920 00 13	24	27	16	21	4	20.5	0.057
G3/8	M26x1.5	0920 00 17	30	32	15	21	5	26.5	0.096
G1/2	M28x1.5	0920 00 21	32	36	21	27	6	28.5	0.115

Nickel-Plated Brass Adaptors

0900 Equal and Unequal Adaptor, Male BSPT Thread

Nickel-plated brass



C1	C2		F	L	Kg
	R1/8	0900 00 10	12	20.5	0.009
R1/8	R1/4	0900 10 13	14	24	0.014
	R3/8	0900 10 17	17	24.5	0.020
	R1/4	0900 00 13	14	27	0.017
R1/4	R3/8	0900 13 17	17	27.5	0.026
	R1/2	0900 13 21	22	30.5	0.046
R3/8	R3/8	0900 00 17	17	28	0.025
	R1/2	0900 17 21	22	31	0.046
R1/2	R1/2	0900 00 21	22	33.5	0.042
	R3/4	0900 21 27	27	37	0.084
R3/4	R3/4	0900 00 27	27	39.5	0.079
	R1	0900 27 34	34	42.5	0.145
R1	R1	0900 00 34	34	45.5	0.153

0901 Equal and Unequal Adaptor, Male BSPP and Metric Thread

Nickel-plated brass



C1	C2		E	E1	F	L	Kg
M5x0.8	M5x0.8	0901 00 19	4	4	8	11.5	0.002
	G1/8	0901 19 10	4	6	14	14.5	0.008
G1/8	G1/8	0901 00 10	6	6	14	16.5	0.009
	G1/4	0901 10 13	6	8	17	19	0.016
	G1/4	0901 00 13	8	8	17	21	0.019
G1/4	G3/8	0901 13 17	8	9	19	22	0.023
	G1/2	0901 13 21	8	10	24	23.5	0.036
G3/8	G3/8	0901 00 17	9	9	19	23	0.025
	G1/2	0901 17 21	9	10	24	24.5	0.038
G1/2	G1/2	0901 00 21	10	10	24	25.5	0.040

0192 Unequal Straight Adaptor, Male BSPT/BSPP Thread

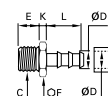
Nickel-plated brass



C1	C2		E	F	L	Kg
R1/8	G1/4	0192 10 13	9.5	17	23.5	0.019
R1/4	G1/4	0192 13 13	9.5	17	27.5	0.024
R1/4	G1/2	0192 13 21	11	27	31.5	0.066
R3/8	G1/4	0192 17 13	9.5	17	28	0.025
R3/8	G1/2	0192 17 21	11	27	31.5	0.060
R1/2	G1/2	0192 21 21	11	27	34	0.061

0191 Tailpiece Adaptor for Rubber Hose, Male BSPP Thread

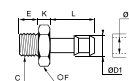
Nickel-plated brass



ØD	ØD1	C		E	F	K	L	Kg
4	6	G1/4	0191 04 13	9.5	17	5	22.5	0.019
	9	G1/4	0191 07 13	9.5	17	5	22.5	0.022
7	9	G1/2	0191 07 21	11	27	7	29.5	0.058
	12.2	G1/4	0191 10 13	9.5	17	5	22.5	0.020
10	12.2	G1/2	0191 10 21	11	27	7	29.5	0.060
	15.2	G1/4	0191 13 13	9.5	17	5	22.5	0.022
13	15.2	G1/2	0191 13 21	11	27	7	29.5	0.059
16	18.5	G1/2	0191 16 21	11	27	7	36.5	0.067

0931 Tailpiece Adaptor for Rubber Hose, Male BSPP Thread

Nickel-plated brass

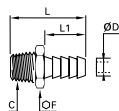


ØD	ØD1	C		E	F	K	L	Kg
	7	G1/8	0931 06 10	6	12	4.5	19	0.009
6	7	G1/4	0931 06 13	8	14	5	19	0.013
	8	G1/8	0931 07 10	6	12	4	19	0.009
7	8	G1/4	0931 07 13	8	14	5	19	0.014
	8	G3/8	0931 07 17	9	19	5	19	0.021
	9	G1/8	0931 08 10	6	12	4	19	0.009
8	9	G1/4	0931 08 13	8	14	5	19	0.014
	9	G3/8	0931 08 17	9	19	5	19	0.022
	12	G1/4	0931 10 13	8	14	5	19	0.016
10	12	G3/8	0931 10 17	9	19	5	19	0.024
	12	G1/2	0931 10 21	10	22	6	20	0.031
	17	G3/8	0931 15 17	9	19	6	24	0.030
15	17	G1/2	0931 15 21	10	22	6	24	0.036
18	20	G1/2	0931 18 21	10	22	6	24	0.040

Nickel-Plated Brass Adaptors

0934 Tailpiece Adaptor for Polymer Tubing, Male BSPT Thread

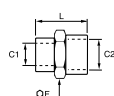
Nickel-plated brass



ØD	C		F	L	L1	Kg
6	R1/8	0934 06 10	12	31.5	19	0.009
	R1/4	0934 06 13	14	35	19	0.014
7	R1/8	0934 07 10	12	31.5	19	0.009
	R1/4	0934 07 13	14	35	19	0.014
8	R1/8	0934 08 10	12	31.5	19	0.010
	R1/4	0934 08 13	14	35	19	0.015
9	R1/4	0934 09 13	14	35	19	0.015
	R3/8	0934 09 17	17	35.5	19	0.021
10	R1/2	0934 09 21	22	38.5	19	0.032
	R1/8	0934 10 10	12	32.5	20	0.011
	R1/4	0934 10 13	14	36	20	0.016
	R3/8	0934 10 17	17	36.5	20	0.021
12	R1/2	0934 10 21	22	39.5	20	0.033
	R1/4	0934 12 13	14	36	20	0.016
14	R3/8	0934 12 17	17	36.5	20	0.021
	R1/2	0934 12 21	22	39.5	20	0.033
16	R3/8	0934 14 17	17	38.5	22	0.025
	R1/2	0934 14 21	22	41.5	22	0.036
18	R3/8	0934 16 17	17	38.5	22	0.026
	R1/2	0934 16 21	22	41.5	22	0.037
20	R3/4	0934 16 27	27	45	22	0.055
	R1/2	0934 17 21	22	43.5	24	0.041
17	R3/8	0934 18 17	19	40.5	24	0.035
	R1/2	0934 18 21	22	43.5	24	0.044
18	R3/4	0934 18 27	27	47	24	0.064
	R1/2	0934 20 21	22	43.5	24	0.041

0902 Equal and Unequal Adaptor, Female BSPP and Metric Thread

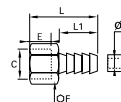
Nickel-plated brass



C1	C2		F	L	Kg
M5x0.8	M5x0.8	0902 00 19	8	11	0.003
	G1/8	0902 19 10	14	13.5	0.009
	G1/8	0902 00 10	14	15	0.010
G1/8	G1/4	0902 10 13	17	19	0.017
	G3/8	0902 10 17	22	20	0.028
	G1/4	0902 00 13	17	22	0.019
G1/4	G3/8	0902 13 17	22	22.5	0.031
	G1/2	0902 13 21	26	24	0.033
G3/8	G3/8	0902 00 17	22	23	0.035
	G1/2	0902 17 21	24	26	0.036
G1/2	G1/2	0902 00 21	26	28	0.049
	G3/4	0902 21 27	32	30	0.078
G3/4	G3/4	0902 00 27	32	32	0.076

0935 Tailpiece Adaptor for Polymer Tubing, Male BSPP Thread

Nickel-plated brass



ØD	C		E	F	L	L1	Kg
6	G1/8	0935 06 10	8	12	28.5	19	0.007
8	G1/4	0935 08 13	11	15	31.5	19	0.012
12	G1/2	0935 12 21	14.5	24	36	20	0.033

0950MB Maintenance Kit, BSPP Thread

Nickel-plated brass



	H	L	L1	Kg
0950 00 00 02	81	413	330	3.500

A selection of 250 references covering the most-used products
Other packaging available: Ref 0950 00 00 02x6 per 6 units

0950M0 Maintenance Kit, BSPT Thread

Nickel-plated brass

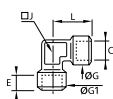


	H	L	L1	Kg
0950 00 00 03	81	413	330	3.500

A selection of 216 references covering the most-used products
Other packaging available: Ref 0950 00 00 03x6 per 6 units

0143 Equal Threaded Elbow, Female BSPP Thread

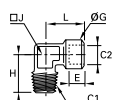
Brass




C		E	G	J	L	Kg
G1/8	0143 10 10	7.5	16.5	12	22.5	0.043
G1/4	0143 13 13	11	18.5	15	26.5	0.056
G3/8	0143 17 17	11.5	23.5	19	31.5	0.102
G1/2	0143 21 21	15	28	23	34.5	0.150
G3/4	0143 27 27	16.5	34	27	43.5	0.248

0144 Equal Stud Elbow, Male BSPT/Female BSPP Thread

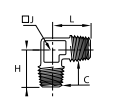
Brass



C1	C2		E	G	H	J	L	Kg
R1/8	G1/8	0144 10 10	7.5	16.5	23	12	22.5	0.036
R1/4	G1/4	0144 13 13	11	18.5	26	15	26.5	0.056
R3/8	G3/8	0144 17 17	11.5	23.5	30	19	31.5	0.086
R1/2	G1/2	0144 21 21	15	28	35	23	34.5	0.139
R3/4	G3/4	0144 27 27	16.5	34	40	27	43.5	0.227

0152 Equal Elbow, Male BSPT Thread

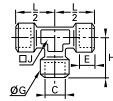
Brass



C		H	J	L	Kg
R1/8	0152 10 10	19.5	10	19.5	0.018
R1/4	0152 13 13	25	15	25	0.047
R3/8	0152 17 17	26.5	15	26.5	0.054
R1/2	0152 21 21	31.5	19	31.5	0.089
R3/4	0152 27 27	35.5	23	35.5	0.153

0145 Equal Tee, Female BSPP Thread

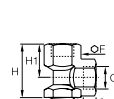
Brass



C		E	G	H	J	L/2	Kg
G1/8	0145 10 10	7.5	16.5	22.5	12	22.5	0.057
G1/4	0145 13 13	11	18.5	26.5	15	26.5	0.078
G3/8	0145 17 17	11.5	23.5	31	19	31	0.126
G1/2	0145 21 21	15	28	38	23	38	0.244
G3/4	0145 27 27	16.5	34	47.5	27	47.5	0.370

MR0434 Stud Run Tee, Female BSPP/Male BSPT Thread

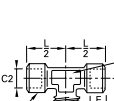
Brass



C	C1		E	F	H	H1	Kg
R1/8	G1/8	1/8MR0434B	8	14	32	15	0.029
R1/4	G1/4	1/4MR0434B	10	17	40	18	0.050
R1/2	G1/2	1/2MR0434B	14	30	63	31	0.254

0158 Stud Branch Tee, Male BSPT/Female BSPP Thread

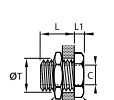
Brass



C1	C2		E	G	H	J	L/2	Kg
R1/8	G1/8	0158 10 10	7.5	16.5	21.5	12	21.5	0.048
R1/4	G1/4	0158 13 13	11	18.5	26	15	26	0.072
R3/8	G3/8	0158 17 17	11.5	23.5	30	19	30	0.120
R1/2	G1/2	0158 21 21	15	28	36	23	36	0.205
R3/4	G3/4	0158 27 27	16.5	34	44	27	44	0.310

0117 Equal Bulkhead Coupling, Female BSPP and Metric Thread

Brass

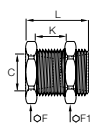


C		F	F1	K max	L	L1	ØT	Kg
M5x0.8	0117 00 19	14	14	7	10.5	3.5	10.5	0.012
G1/8	0117 00 10	19	22	9	14	4	16.5	0.032
G1/4	0117 00 13	24	24	15	21	4	20.5	0.056
G3/8	0117 00 17	30	32	14	21	5	26.5	0.096
G1/2	0117 00 21	32	36	20	27	6	28.5	0.115
G3/4	0117 00 27	41	41	22.5	30	6	34.5	0.161
G1	0117 00 34	46	50	24.5	34	8	42.5	0.269
G1 1/4	0117 00 42	55	55	29.5	39	8	49.5	0.295
G1 1/2	0117 00 49	60	60	29.5	39	8	54.5	0.303

Delivered with not assembled nuts

207ACBH Bulkhead Union, Female NPTF Thread

Brass



C		F	F1	K	L	Kg
NPTF1/8	207ACBH-2	78	1516	20	38	0.072
NPTF1/4	207ACBH-4	1	1.2	18	38	0.099
NPTF3/8	207ACBH-6	1.2	1.1	13	34	0.127
NPTF1/2	207ACBH-8	1.1	1.4	16	38	0.155

*F and F1 in Inch dimensions

0155 Equal Connector, Female BSPP Thread

Brass



C	C1	F	L	Kg
G1/8	0155 10 10	14	17	0.014
G1/4	0155 10 13	17	18	0.022
G1/4	0155 13 13	17	24	0.025
G3/8	0155 17 17	22	25	0.045
G1/2	0155 21 21	27	32	0.084
G3/4	0155 27 27	32	35	0.108
G1	0155 34 34	41	36	0.194

207P Equal Adaptor, Female NPTF Thread

Brass

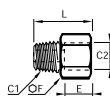


C		F	L	Kg
NPTF1/8	207P-2	916	19	0.015
NPTF1/4	207P-4	34	28	0.041
NPTF3/8	207P-6	78	28	0.049
NPTF1/2	207P-8	1.1	38	0.089

*F in Inch dimensions

0164 Adaptor, Male NPT/Female BSPP Thread

Brass

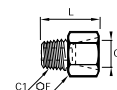


C1	C2	E	F	L	Kg
NPT1/8	G1/8	0164 11 10	7.5	14	0.015
NPT1/4	G1/4	0164 14 13	11	17	0.028
NPT3/8	G3/8	0164 18 17	11.5	22	0.044
NPT1/2	G1/2	0164 22 21	15	27	0.081
NPT3/4	G3/4	0164 28 27	16.5	32	0.110

Adaptor for female socket of quick-acting mould couplers

0167 Adaptor, Male BSPT/Female NPT Thread

Brass

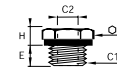


C1	C2		F	L	Kg
R1/8	NPT1/8	0167 10 11	14	21	0.016
R1/4	NPT1/4	0167 13 14	17	28.5	0.029
R3/8	NPT3/8	0167 17 18	22	29.5	0.047
R1/2	NPT1/2	0167 21 22	27	37.5	0.088
R3/4	NPT3/4	0167 27 28	32	39.5	0.119

Adaptor for female socket of quick-acting mould couplers

0168 Reducer, Male BSPP/Female BSPP and Metric Thread

Brass, technical polymer

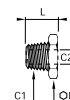


C1	C2		E	F	H	Kg
G1/8	M5x0.8	0168 10 19	7	14	6	0.009
G1/4	M5x0.8	0168 13 19	7	17	7	0.017
G1/4	G1/8	0168 13 10	7	17	7	0.011
G3/8	G1/8	0168 17 10	9	19	6	0.019
G3/8	G1/4	0168 17 13	9	19	6	0.012
G1/2	G1/8	0168 21 10	11	24	10	0.052
G1/2	G1/4	0168 21 13	11	24	10	0.042
G1/2	G3/8	0168 21 17	11	24	10	0.030
G3/4	G1/4	0168 27 13	11	32	12	0.098
G3/4	G3/8	0168 27 17	11	32	12	0.084
G3/4	G1/2	0168 27 21	11	32	12	0.063

With fitted captive seal

0163 Unequal Reducer, Male BSPT/Female BSPP Thread

Brass



C1	C2		F	L	Kg
R1/4	G1/8	0163 13 10	14	16	0.009
R3/8	G1/8	0163 17 10	17	16.5	0.020
R3/8	G1/4	0163 17 13	17	16.5	0.012
R1/2	G1/8	0163 21 10	22	21	0.048
R1/2	G1/4	0163 21 13	22	21	0.038
R1/2	G3/8	0163 21 17	22	21	0.025
R3/4	G1/4	0163 27 13	27	24	0.085
R3/4	G3/8	0163 27 17	27	24	0.069
R3/4	G1/2	0163 27 21	27	24	0.046
R1	G3/4	0163 34 27	36	27	0.085

209P Reducer, Male/Female NPTF Thread

Brass



C	C1		F	L	Kg
NPTF1/4	NPTF1/8	209P-4-2	916	19	0.012
NPTF3/8	NPTF1/8	209P-6-2	1116	18	0.024
NPTF3/8	NPTF1/4	209P-6-4	1116	19	0.179
NPTF1/2	NPTF1/8	209P-8-2	78	25	0.059
NPTF1/2	NPTF1/4	209P-8-4	78	26	0.048
NPTF1/2	NPTF3/8	209P-8-6	78	26	0.033
NPTF3/4	NPTF1/4	209P-12-4	1.2	25	0.093
NPTF3/4	NPTF3/8	209P-12-6	1.2	26	0.080
NPTF3/4	NPTF1/2	209P-12-8	1.2	26	0.057

*F in Inch dimensions

0169 Increaser, Male/Female BSPP Thread

Brass, technical polymer

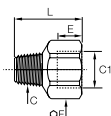


C1	C2		E1	E2	F	L	Kg
G1/8	G1/4	0169 10 13	5	11	17	16	0.019
G1/8	G3/8	0169 10 17	5	14	22	19.5	0.038
G1/4	G3/8	0169 13 17	7	14	22	19.5	0.041
G1/4	G1/2	0169 13 21	7	14.5	27	20.5	0.060
G3/8	G1/2	0169 17 21	8	14.5	27	20.5	0.062
G3/8	G3/4	0169 17 27	8	15.5	32	22	0.082
G1/2	G3/4	0169 21 27	9.5	15.5	32	22.5	0.087

With fitted captive seal

FG43 Increaser, Female BSPP/Male BSPT Thread

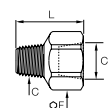
Brass



C	C1		E	F	L	Kg
R1/8	G1/4	1/4X1/8FG43B	11	17	21.5	0.019
R1/8	G3/8	3/8X1/8FG43B	12	22	25	0.035
R1/4	G3/8	3/8X1/4FG43B	12	22	28	0.040
R1/2	G3/4	3/4X1/2FG43B	16	32	39	0.107

222P Reducer, Female/Male NPTF Thread

Brass



C	C1		F	L	Kg
NPTF1/8	NPTF1/4	222P-4-2	34	27	0.031
NPTF1/4	NPTF3/8	222P-6-4	78	32	0.046
NPTF3/8	NPTF1/2	222P-8-6	1116	37	0.082

*F in Inch dimensions

0121 Equal/Unequal Straight Male Adaptor, Male BSPT Thread

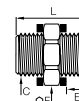
Brass



C1	C2		F	L	Kg
R1/8	R1/8	0121 10 10	11	19	0.009
R1/4	R1/8	0121 13 10	14	23.5	0.017
R1/4	R1/4	0121 13 13	14	27	0.020
R3/8	R1/8	0121 17 10	17	24	0.021
R3/8	R1/4	0121 17 13	17	27.5	0.026
R3/8	R3/8	0121 17 17	17	28	0.026
R1/2	R1/8	0121 21 10	22	28.5	0.041
R1/2	R1/4	0121 21 13	22	32	0.045
R1/2	R3/8	0121 21 17	22	32.5	0.045
R1/2	R1/2	0121 21 21	22	36	0.052
R3/4	R1/4	0121 27 13	27	35	0.078
R3/4	R3/8	0121 27 17	27	35.5	0.077
R3/4	R1/2	0121 27 21	27	39	0.084
R3/4	R3/4	0121 27 27	27	40	0.090
R1	R3/8	0121 34 17	36	38.5	0.127
R1	R1/2	0121 34 21	36	42	0.135
R1	R3/4	0121 34 27	36	43	0.144
R1	R1	0121 34 34	36	46	0.152
R1 1/4	R1/2	0121 42 21	46	46.5	0.219
R1 1/4	R3/4	0121 42 27	46	47.5	0.229
R1 1/4	R1	0121 42 34	46	50.5	0.234
R1 1/4	R1 1/4	0121 42 42	46	53	0.230

FF44 Equal Adaptor, Male BSPP Thread

Brass



C		E	F	L	Kg
G1/8	1/8FF44B	6	14	19	0.018
G1/4	1/4FF44B	7	17	22	0.022
G3/8	3/8FF44B	8	22	24	0.040
G1/2	1/2FF44B	10	27	31	0.077

These parts are supplied with two copper seals.

0121 Equal Adaptor, Male NPT/BSPT Thread

Brass



C1	C2		F	L	Kg
NPT1/8	R1/8	0121 11 10	11	19	0.009
NPT1/4	R1/4	0121 14 13	14	27	0.021
NPT3/8	R3/8	0121 18 17	17	28	0.026
NPT1/2	R1/2	0121 22 21	22	36	0.052
NPT3/4	R3/4	0121 28 27	27	40	0.089

216P Equal Adaptor, Male NPTF Thread

Brass

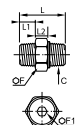


C		F	L	Kg
NPTF1/8	216P-2	716	25	0.011
NPTF1/4	216P-4	916	35	0.025
NPTF3/8	216P-6	1116	36	0.035
NPTF1/2	216P-8	78	46	0.065

*F in Inch dimensions

0929 Equal 3-Piece Adaptor, Male BSPT Thread without seal

Brass

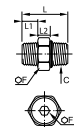


C		F	F1	L	L1	L2	Kg
R1/8	0929 00 10	15	5	27	9	8.5	0.017
R1/4	0929 00 13	19	6	33.5	11.5	9.5	0.035
R3/8	0929 00 17	22	8	36.5	13	10	0.055
R1/2	0929 00 21	27	12	45	15.5	12	0.088

This connection accessory makes assembly much easier thanks to its 3-piece design. To join 2 threaded components, simply push together and tighten the sleeve nut, thus reducing installation time.
Maximum working pressure: 50 bar.
Working temperature: -10° to +80°C.

0929..1 Equal 3-Piece Adaptor, Male BSPT Thread with seal

Brass, NBR

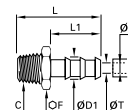


C		F	F1	L	L1	L2	Kg
R1/8	0929 01 10	15	5	27	7.5	8.5	0.017
R1/4	0929 01 13	19	6	33.5	11	9.5	0.035
R3/8	0929 01 17	22	8	36.5	11.5	10	0.055
R1/2	0929 01 21	27	12	45	14	12	0.088
R3/4	0929 01 27	36	14	52.5	16.5	17	0.199
R1	0929 01 34	46	19	63.5	19	20	0.369

This connection accessory makes assembly much easier thanks to its 3-piece design. To join 2 threaded components, simply push together and tighten the sleeve nut, thus reducing installation time.
Maximum working pressure: 50 bar.
Working temperature: -10° to +80°C. Supplied with seal

0123 Tailpiece Adaptor for Rubber Hose, Male BSPT Thread

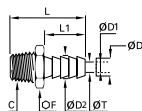
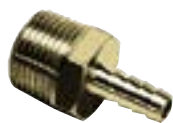
Brass



ØD	ØD1	C		F	L	L1	ØT	Kg
4	6	R1/8	0123 04 10	10	34	22.5	3.3	0.008
6	8	R1/8	0123 06 10	10	34	22.5	5	0.009
	9	R1/8	0123 07 10	10	34	22.5	5	0.009
7	9	R1/4	0123 07 13	14	38.5	22.5	6	0.018
	9	R3/8	0123 07 17	17	39	22.5	6	0.024
	12.2	R1/8	0123 10 10	13	34	22.5	5	0.014
10	12.2	R1/4	0123 10 13	14	38.5	22.5	7	0.020
	12.2	R3/8	0123 10 17	17	39	22.5	9.5	0.023
12	14	R3/8	0123 12 17	17	46	29.5	11	0.026
	15	R1/4	0123 13 13	17	45.5	29.5	7	0.027
13	15	R3/8	0123 13 17	17	46	29.5	11	0.026
	15	R1/2	0123 13 21	22	50.5	29.5	12	0.045
	18.5	R3/8	0123 16 17	19	54.5	38	11	0.039
16	18.5	R1/2	0123 16 21	22	59	38	14	0.053
	18.5	R3/4	0123 16 27	27	62	38	15	0.084
	21.5	R3/8	0123 19 17	22	54.5	38	11	0.047
19	21.5	R1/2	0123 19 21	22	59	38	14	0.057
	21.5	R3/4	0123 19 27	27	62	38	18	0.083
	26.7	R3/4	0123 25 27	27	62	38	18	0.078
25	27	R1	0123 25 34	36	65	38	24	0.124
32	34.5	R1	0123 32 34	36	70	43	24	0.144

0136 Tailpiece Adaptor for Flexible Tubing, Male BSPT Thread

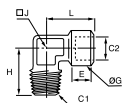
Brass



ØD	ØD1	ØD2	C		F	L	L1	ØT	Kg
6	4	4.3	R1/8	0136 06 10	10	26.5	15	2	0.006
	4	4.3	R1/4	0136 06 13	14	31	15	2	0.015
	4	4.3	R3/8	0136 06 17	17	31.5	15	2	0.020
8	6	6.4	R1/8	0136 08 10	10	26.5	15	4	0.007
	6	6.4	R1/4	0136 08 13	14	31	15	4	0.015
	6	6.4	R3/8	0136 08 17	17	31.5	15	4	0.020
10	8	8.4	R1/4	0136 10 13	14	31	15	6	0.016
	8	8.4	R3/8	0136 10 17	17	31.5	15	6	0.020
	8	8.4	R1/2	0136 10 21	22	36	15	6	0.039
12	10	10.7	R1/4	0136 12 13	14	36	20	7	0.018
	10	10.7	R3/8	0136 12 17	17	36.5	20	8	0.022
	10	10.7	R1/2	0136 12 21	22	41	20	8	0.040
14	12	12.7	R1/4	0136 14 13	14	36	20	7	0.019
	12	12.7	R3/8	0136 14 17	17	36.5	20	10	0.023
	12	12.7	R1/2	0136 14 21	22	41	20	10	0.041
16	12	12.7	R3/4	0136 14 27	27	44	20	10	0.072
	13	13.7	R3/8	0136 16 17	17	36.5	20	11	0.023
	13	13.7	R1/2	0136 16 21	22	41	20	11	0.040
	13	13.7	R3/4	0136 16 27	27	44	20	11	0.071

1844 Equal Stud Elbow, Male BSPT/Female BSPP Thread

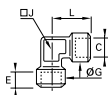
Stainless steel 316L



C1	C2		E	G	H	J	L	Kg
R1/8	G1/8	1844 10 10	7.5	15	20.5	10	22.5	0.022
R1/4	G1/4	1844 13 13	12	18.5	27.5	12	26.5	0.045
R3/8	G3/8	1844 17 17	12	23.5	28	14	30	0.070
R1/2	G1/2	1844 21 21	15	28	38	18	38	0.120
R3/4	G3/4	1844 27 27	16.5	33	41	22	44.5	0.160
R1	G1	1844 34 34	19	40	48	32	50	0.311

1843 Equal Elbow, Female BSPP Thread

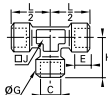
Stainless steel 316L



C		E	G	J	L	Kg
G1/8	1843 10 10	7.5	17.5	12	22.5	0.041
G1/4	1843 13 13	11	18.5	15	26.5	0.053
G3/8	1843 17 17	11.5	23.5	18	29	0.075
G1/2	1843 21 21	15	28	23	38	0.158
G3/4	1843 27 27	16.5	33	22	43.5	0.209
G1	1843 34 34	19	40	32	52	0.465

1845 Equal Tee, Female BSPP Thread

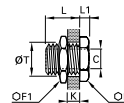
Stainless steel 316L



C		E	G	H	J	L/2	Kg
G1/8	1845 10 10	7.5	17.5	22.5	12	22.5	0.057
G1/4	1845 13 13	11	18.5	26.5	15	26.5	0.074
G3/8	1845 17 17	11.5	23.5	29	18	29	0.103
G1/2	1845 21 21	15	28	38	23	38	0.217
G3/4	1845 27 27	16.5	33	43.5	22	43.5	0.301
G1	1845 34 34	19	40	50	32	50	0.447

1817 Equal Bulkhead Adaptor, Female BSPP Thread

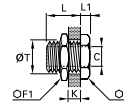
Stainless steel 316L



C		F	F1	K max	L	L1	ØT min	Kg
G1/8	1817 00 10	19	22	9	14	4	16.5	0.031
G1/4	1817 00 13	24	27	15	21	4	20.5	0.053
G3/8	1817 00 17	30	32	14	21	5	26.5	0.089
G1/2	1817 00 21	32	36	20	27	6	28.5	0.108
G3/4	1817 00 27	41	41	22.5	30	6	34.5	0.152
G1	1817 00 34	46	50	24.5	34	8	42.5	0.253

1871 Equal Bulkhead Adaptor, Female NPT Thread

Stainless steel 316L



C		F	F1	K max	L	L1	ØT min	Kg
NPT1/8	1871 00 11	19	22	9	14	5	16.5	0.031
NPT1/4	1871 00 14	24	22	9	14	5	20.5	0.060
NPT3/8	1871 00 18	30	32	18	23	5	26.5	0.096
NPT1/2	1871 00 22	32	36	22	29	6	28.5	0.119

1855 Equal Connector, Female BSPP Thread

Stainless steel 316L



C		F	L	Kg
G1/8	1855 10 10	14	17	0.013
G1/4	1855 13 13	17	24	0.024
G3/8	1855 17 17	22	25	0.042
G1/2	1855 21 21	27	32	0.077
G3/4	1855 27 27	14	35	0.102
G1	1855 34 34	41	40	0.202

1870 Equal Connector, Female NPT Thread

Stainless steel 316L

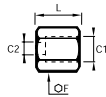


C		F	L	Kg
NPT1/8	1870 11 11	14	19	0.015
NPT1/4	1870 14 14	17	28	0.029
NPT3/8	1870 18 18	22	28	0.050
NPT1/2	1870 22 22	27	35	0.092

Stainless Steel Adaptors

1862 Reducer Connector, Female BSPP Thread

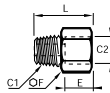
Stainless steel 316L



C1	C2		F	L	Kg
G1/4	G1/8	1862 13 10	17	20.5	0.024
G3/8	G1/8	1862 17 10	22	21	0.043
	G1/4	1862 17 13	22	24.5	0.048
G1/2	G1/4	1862 21 13	27	28.5	0.086
	G3/8	1862 21 17	27	29	0.081
G3/4	G1/2	1862 27 21	32	39.5	0.148
G1	G3/4	1862 34 27	41	45	0.282

1864 Adaptor, Male NPT/Female BSPP Thread

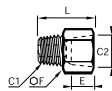
Stainless steel 316L



C1	C2		E	F	L	Kg
NPT1/8	G1/8	1864 11 10	7.5	14	21.5	0.015
NPT1/4	G1/4	1864 14 13	11	17	30	0.028
NPT3/8	G3/8	1864 18 17	11.5	22	31	0.044
NPT1/2	G1/2	1864 22 21	15	27	39.5	0.081

1867 Adaptor, Male BSPT/Female NPT Thread

Stainless steel 316L



C1	C2		E	F	L	Kg
R1/8	NPT1/8	1867 10 11	8	14	21	0.015
R1/4	NPT1/4	1867 13 14	11.5	17	28.5	0.028
R3/8	NPT3/8	1867 17 18	12	22	29.5	0.045
R1/2	NPT1/2	1867 21 22	15.5	27	37.5	0.082

1863 Reducer, Male BSPT/Female BSPP Thread

Stainless steel 316L



C1	C2		F	L	Kg
R1/4	G1/8	1863 13 10	14	16	0.008
R3/8	G1/8	1863 17 10	17	16.5	0.019
	G1/4	1863 17 13	17	16.5	0.011
R1/2	G1/4	1863 21 13	22	21	0.035
	G3/8	1863 21 17	22	21	0.023
R3/4	G1/2	1863 27 21	27	25.5	0.045
R1	G3/4	1863 34 27	36	28.5	0.084

1872 Reducer, Male/Female NPT Thread

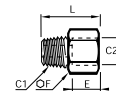
Stainless steel 316L



C1	C2		F	L	Kg
NPT1/4	NPT1/8	1872 14 11	14	16	0.010
NPT3/8	NPT1/8	1872 18 11	19	16.5	0.023
NPT3/8	NPT1/4	1872 18 14	19	16.5	0.016
NPT1/2	NPT1/4	1872 22 14	22	21	0.039
NPT1/2	NPT3/8	1872 22 18	22	21	0.027

1861 Increaser, Male BSPT/Female BSPP Thread

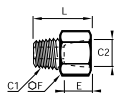
Stainless steel 316L



C1	C2		E	F	L	Kg
R1/8	G1/4	1861 10 13	11	17	24	0.022
R1/8	G3/8	1861 10 17	11.5	22	25	0.038
R1/4	G3/8	1861 13 17	11.5	22	28.5	0.042
R1/4	G1/2	1861 13 21	15	27	32.5	0.069
R3/8	G1/2	1861 17 21	15	27	33	0.069
R1/2	G3/4	1861 21 27	16.5	32	38	0.093
R3/4	G1	1861 27 34	19	41	43.5	0.181

1873 Increaser, Male/Female NPT Thread

Stainless steel 316L



C1	C2		E	F	L	Kg
NPT1/8	NPT1/4	1873 11 14	14	17	25	0.024
	NPT3/8	1873 11 18	14	22	25	0.039
NPT1/4	NPT3/8	1873 14 18	14	22	28.5	0.043
	NPT1/2	1873 14 22	17.5	27	31	0.066
NPT3/8	NPT1/2	1873 18 22	17.5	27	31.5	0.066

1821 Equal and Unequal Adaptor, Male BSPT Thread

Stainless steel 316L



C1	C2		F	L	Kg
R1/8	R1/8	1821 10 10	12	19	0.009
R1/4	R1/8	1821 13 10	14	23.5	0.015
	R1/4	1821 13 13	14	27	0.019
R3/8	R1/4	1821 17 13	17	27.5	0.023
	R3/8	1821 17 17	17	28	0.024
R1/2	R3/8	1821 21 17	22	32.5	0.042
	R1/2	1821 21 21	22	36	0.049
R3/4	R1/2	1821 27 21	27	41	0.079
	R3/4	1821 27 27	27	42	0.088
R1	R3/4	1821 34 27	36	46	0.141
	R1	1821 34 34	36	48	0.147

1821 Equal Adaptor, Male NPT Thread

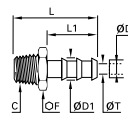
Stainless steel 316L



C		F	L	Kg
NPT1/8	1821 11 11	12	23	0.011
NPT1/4	1821 14 14	14	32	0.023
NPT3/8	1821 18 18	19	33	0.031
NPT1/2	1821 22 22	22	42	0.056
NPT3/4	1821 28 28	27	40	0.083

1823 Tailpipe Adaptor for Rubber Hose, Male BSPT Thread

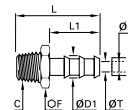
Stainless steel 316L



ØD	ØD1	C		F	L	L1	ØT	Kg
7	9	R1/8	1823 07 10	10	34	22.5	5	0.009
	9	R1/4	1823 07 13	14	38.5	22.5	6	0.017
10	12.2	R1/4	1823 10 13	14	38.5	22.5	7	0.018
	12.2	R3/8	1823 10 17	17	39	22.5	9.5	0.021
13	15	R3/8	1823 13 17	17	46	29.5	11	0.025
16	18.5	R1/2	1823 16 21	22	59	38	14	0.048

1823 Tailpipe Adaptor for Rubber Hose, Male NPT Thread

Stainless steel 316L

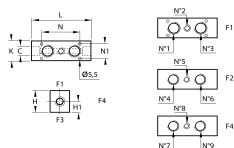


ØD	ØD1	C		F	L	L1	ØT	Kg
1/4	8.3	NPT1/8	1823 56 11	12	34	22.5	5.3	0.010
	8.3	NPT1/4	1823 56 14	14	38.5	22.5	5.3	0.016
3/8	11.7	NPT1/4	1823 60 14	14	38.5	22.5	8.5	0.018
	11.7	NPT3/8	1823 60 18	19	39	22.5	8.5	0.026

Brass & Anodised Aluminium Manifolds

0135 Manifold Block, Female BSPP Thread

Brass

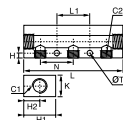


C		H	H1	K	L	N	Kg
G1/4	0135 06 13	30	13	25	70	37	0.335
G1/4	0135 09 13	30	13	25	87	54	0.409
G1/2	0135 06 21	40	16	35	86	45	0.714
G1/2	0135 09 21	40	16	35	109	68	0.900
G3/4	0135 10 27	45	21	40	122	78	1.232

This product is designed to distribute in several directions.

3311 Manifold, Female BSPP and Metric Thread

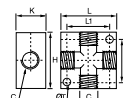
Treated aluminium



C1	C2		Number of Outlets	H	H1	H2	K	L	L1	N	ØT	Kg
G1/8	M5x0.8	3311 19 10 07	7	3.5	20	8.5	15	95	80	11	4.4	0.057
	G1/8	3311 10 13 02	2	4.5	30	15	20	61	50	30	5	0.075
	G1/8	3311 10 13 03	3	4.5	30	15	20	91	30	30	5	0.112
G1/4	G1/8	3311 10 13 04	4	4.5	30	15	20	121	60	30	5	0.165
	G1/8	3311 10 13 05	5	4.5	30	15	20	151	90	30	5	0.209
	G1/8	3311 10 13 06	6	4.5	30	15	20	181	120	30	5	0.244
	G1/4	3311 13 17 02	2	5.5	30	11	20	74	61	36	6.5	0.076
	G1/4	3311 13 17 03	3	6	30	11	20	110	36	36	6.5	0.121
G3/8	G1/4	3311 13 17 04	4	6	30	11	20	146	72	36	6.5	0.147
	G1/4	3311 13 17 05	5	6	30	11	20	182	108	36	6.5	0.212
	G1/4	3311 13 17 06	6	6	30	11	20	218	144	36	6.5	0.220

3312 Cross Manifold, Female BSPP and Metric Thread

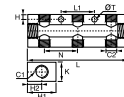
Treated aluminium



C		H	K	L	L1	N	ØT	Kg
M5x0.8	3312 00 19	20	10	20	12	12	4.5	0.008
G1/8	3312 00 10	30	16	30	23	22	4.5	0.028
G1/4	3312 00 13	40	20	40	30	27	5.5	0.061
G3/8	3312 00 17	50	25	50	38	39	6.5	0.118
G1/2	3312 00 21	50	25	50	38	39	6.5	0.101

3313 Double Manifold, Female BSPP Thread

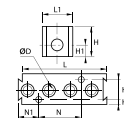
Treated aluminium



C1	C2		Number of Outlets	H	H1	H2	K	L	L1	N	ØT	Kg
	G1/8	3313 10 13 02	2x2	4.5	30	15	20	61	50	30	5	0.075
	G1/8	3313 10 13 03	2x3	4.5	30	15	20	91	30	30	5	0.115
G1/4	G1/8	3313 10 13 04	2x4	4.5	30	15	20	121	60	30	5	0.151
	G1/8	3313 10 13 05	2x5	4.5	30	15	20	151	90	30	5	0.182
	G1/4	3313 13 17 02	2x2	6	40	20	20	74	61	36	6.5	0.109
	G1/4	3313 13 17 03	2x3	6	40	20	20	110	36	36	6.5	0.179
G3/8	G1/4	3313 13 17 04	2x4	6	40	20	20	146	72	36	6.5	0.238
	G1/4	3313 13 17 05	2x5	6	40	20	20	182	108	36	6.5	0.286
	G1/4	3313 13 21 03	2x3	6	40	20	28	116	36	36	6.5	0.230
G1/2	G1/4	3313 13 21 04	2x4	6	40	20	28	152	72	36	6.5	0.298
	G1/4	3313 13 21 05	2x5	6	40	20	28	188	108	36	6.5	0.377

3301 Modular Manifold

Treated aluminium, NBR

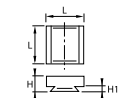


ØD		Number of Outlets	H	H1	H2	H3	L	L1	N	N1	Kg
4	3301 04 00	8	25	10	4.5	16	73.5	25	35	17	0.108
6	3301 06 00	4	25	10	4.5	16	73.5	25	35	17	0.109

Fixing with screw M3x20

3303 End Plate for Manifold

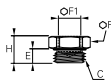
Treated aluminium



	H	H1	L	Kg
3303 00 01	9.5	3.5	25	0.014

0222 Internal Hex Plug, Male BSPP and Metric Thread

Nickel-plated brass, NBR

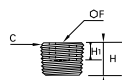


C		E	F	F1	H	Kg
M5x0.8	0222 19 00	3.5	8	2.5	7	0.002
M7x1	0222 55 00	5	10	3	8.5	0.003
G1/8	0222 10 00	5	13	5	8.5	0.006
G1/4	0222 13 00	5.5	16	6	9.5	0.010
G3/8	0222 17 00	5.5	20	8	10.5	0.019
G1/2	0222 21 00	7.5	24	10	12	0.031

With integrated O-ring seal

0936 Internal Hexagon Head Plug, Male BSPT Thread

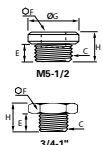
Nickel-plated brass



C		F	H	Kg
R1/8	0936 00 10	5	8	0.003
R1/4	0936 00 13	6	10	0.007
R3/8	0936 00 17	8	11	0.013
R1/2	0936 00 21	10	13	0.026

0919 Internal Hexagon Head Plug, Male BSPP and Metric Thread without seal

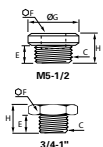
Nickel-plated brass



C		E	F	G	H	Kg
M5x0.8	0919 00 19	4	2.5	8	6.5	0.001
G1/8	0919 00 10	6	5	15	9.5	0.007
G1/4	0919 00 13	8	6	18	11.5	0.013
G3/8	0919 00 17	9	8	21	13	0.021
G1/2	0919 00 21	10	10	25	14.5	0.035
G3/4	0919 00 27	11	14	31	15.5	0.049
G1	0919 00 34	13	17	38	17.5	0.072

0919..1 Internal Hexagon Head Plug, Male BSPP and Metric Thread with seal

Nickel-plated brass

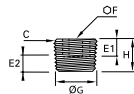


C		E	F	G	H	Kg
G1/8	0919 01 10	6.5	5	14	9.5	0.005
G1/4	0919 01 13	8	6	17	11.5	0.011
G3/8	0919 01 17	9	8	20	12.5	0.018
M5x0.8	0919 01 19	4.5	2.5	8	7.2	0.001
G1/2	0919 01 21	10	10	26	14	0.032

Brass Plugs

0205 Internal Hexagon Head Plug, Male BSPT Thread

Brass

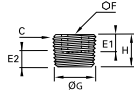


C		E1	E2 max	E2 min	F	G	H	Kg
	0205 07 00							0.002
R1/8	0205 10 00	6	4.9	3.1	5	9.7	8	0.003
R1/4	0205 13 00	8	7.3	4.7	6	13.2	10	0.007
R3/8	0205 17 00	8	7.7	5.1	8	16.7	11	0.013
R1/2	0205 21 00	8	10	6.4	10	21	13	0.026
R3/4	0205 27 00	11	11.3	7.7	14	26.5	17	0.053
R1	0205 34 00	13	12.7	8.1	17	33.2	19	0.094
R1 1/4	0205 42 00	14	15	10.4	22	42	22	0.178
R1 1/2	0205 49 00	14	15	10.4	24	47.8	22	0.243
R2	0205 48 00	16	18.2	13.6	30	59.6	25	0.435

For BSPT plug from 1/2" - 1 1/2" inclusive:
Conforms to DIN 906.
Thread: EN 10226-0

0205 Internal Hexagon Head Plug, Male NPT Thread

Brass



C		E1	E2 max	E2 min	F	G	H	Kg
NPT1/8	0205 11 00	6	5	3.2	5	10.2	8	0.004
NPT1/4	0205 14 00	8	7.2	4.4	6	13.6	10	0.008
NPT3/8	0205 18 00	8	7.5	4.7	8	17	11	0.014
NPT1/2	0205 22 00	8	9.9	6.3	10	21.2	13	0.026
NPT3/4	0205 28 00	11	10.4	6.8	14	26.6	17	0.053
NPT1	0205 35 00	13	12.4	8	17	33.2	19	0.091

219P Hexagon Head Plug, Male NPTF Thread

Brass

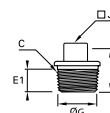


C		F	H	Kg
NPTF1/8	219P-2	316	8	0.004

*F in Inch dimensions

0209 Square Head Plug, Male BSPT Thread

Brass

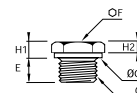


C		E1	E2 max	E2 min	G	H	J	Kg
R1/8	0209 10 00	9	4.9	3.1	9.7	18	6	0.009
R1/4	0209 13 00	11	7.3	4.7	13.2	20	8	0.015
R3/8	0209 17 00	12	7.7	5.1	16.7	22	10	0.025
R1/2	0209 21 00	15	10	6.4	21	26.5	13	0.047
R3/4	0209 27 00	16.5	11.3	7.7	26.4	29	17	0.097

Conforms to DIN 906.
Thread: EN 10226-1

0200 Hex Head Plug, Male BSPP and Metric Thread

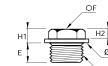
Brass



C		E	F	G	H1	H2	Kg
M6x1	0200 52 00	6	10	10	4	3.5	0.004
M8x1.25	0200 57 00	7	13	13	4	3.5	0.007
M10x1	0200 60 00	8	14	14	5	4.5	0.011
M12x1	0200 65 00	9	17	17	5	4.5	0.017
M12x1.25	0200 66 00	9	17	17	5	4.5	0.018
G1/8	0200 10 00	7	14	13.7	5.5	4	0.011
G1/4	0200 13 00	8.5	17	16.7	5.5	4	0.019

0201 Hex Head Plug with Collar, Male BSPP and Metric Thread

Brass



C		E	F	G	H1	H2	Kg
M16x1.5	0201 75 00	10	17	22	6.5	5	0.025
M18x1.5	0201 78 00	10	17	24	7	5	0.026
M20x1.5	0201 80 00	10	17	26	7.5	5	0.031
M22x1.5	0201 82 00	10	22	30	7.5	5	0.044
M24x1.5	0201 83 00	10	22	32	7.5	5	0.048
M24x2	0201 92 00	10	22	32	7.5	5	0.046
M30x2	0201 88 00	11	27	38	8.5	6	0.075
G3/8	0201 17 00	10	17	21.7	6.5	4.5	0.024
G1/2	0201 21 00	10	22	26.7	7.5	5	0.040
G3/4	0201 27 00	11	22	31.7	8.5	6	0.058
G1	0201 34 00	11	27	39.7	8.5	6	0.087
G1 1/4	0201 42 00	12	30	49.7	10	7	0.141

HP3 Hexagon Head Plug, Male BSPT Thread

Brass



C		F	H	Kg
R1/8	1/8HP3B	10	12	0.007
R1/4	1/4HP3B	14	16	0.018
R3/8	3/8HP3B	17	17	0.029
R1/2	1/2HP3B	22	21	0.060
R3/4	3/4HP3B	27	24	0.109
R1	1HP3B	36	27	0.196

218P Hexagon Head Plug, Male NPTF Thread, Heavy Series

Brass

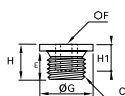


C		F	H	Kg
NPTF1/8	218P-2	716	14	0.008
NPTF1/4	218P-4	916	19	0.016
NPTF3/8	218P-6	1116	20	0.033
NPTF1/2	218P-8	78	25	0.044

*F in Inch dimensions

0202 Internal Hexagon Head Plug with Collar, Male Metric Thread

Brass

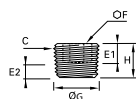


C		E	F	G	H	H1	Kg
M12x1	0202 65 00	9	6	17	11	8	0.009
M12x1.25	0202 66 00	9	6	17	11	8	0.009
M14x1.5	0202 71 00	10	6	19	13	10	0.015
M16x1.5	0202 75 00	10	8	22	13	10	0.019
M18x1.5	0202 78 00	10	10	24	13	10	0.023
M20x1.5	0202 80 00	10	12	26	13	10	0.025
M22x1.5	0202 82 00	10	12	30	13	10	0.034
M27x2	0202 86 00	11	17	35	15	11	0.052
M30x2	0202 88 00	11	19	38	15	11	0.062

Parallel metric threads, ISO standard NFE 03-054

0206 Internal Hexagon Head Plug, Male BSPT Thread

Steel

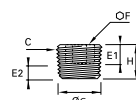


C		E1	E2 max	E2 min	F	G	H	Kg
R1/8	0206 10 00	4	3.9	2.1	5	9.7	8	0.003
R1/4	0206 13 00	5	5.8	3.2	7	13.2	10	0.007
R3/8	0206 17 00	5	5.8	3.2	8	16.7	10	0.012
R1/2	0206 21 00	5	6.8	3.2	10	21	10	0.022
R3/4	0206 27 00	6	7.8	4.2	12	26.4	12	0.048
R1	0206 34 00	6	9.3	4.7	17	33.2	12	0.085
R1 1/4	0206 42 00	11.5	9.8	5.2	22	41.9	18	0.166
R1 1/2	0206 49 00	11.5	9.8	5.2	24	47.8	20	0.222

For BSPT plugs, from 1/2" - 1 1/2" inclusive :
Conforms to DIN 906.
Thread conforms to EN 10226-1

0206 Internal Hexagon Head Plug, Male NPT Thread

Steel

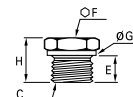


C		E1	E2 max	E2 min	F	G	H	Kg
NPT1/16	0206 08 00	6	6.4	3.8	4	7.8	7	0.002
NPT1/8	0206 11 00	6	5	3.2	5	10.2	8	0.003
NPT1/4	0206 14 00	8	7.2	4.4	6	13.6	10	0.007
NPT3/8	0206 18 00	8	7.5	4.7	8	17	11	0.012
NPT1/2	0206 22 00	8	9.9	6.3	10	21.2	13	0.023
NPT3/4	0206 28 00	11	10.4	6.8	14	26.6	17	0.048
NPT1	0206 35 00	13	12.4	8	17	33.2	19	0.082

Conforms to ANSI B1.20,1

0210 Hex Head Plug, Male BSPP and Metric Thread

Steel

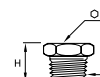


C		E	F	G	H	Kg
M8x1.25	0210 57 00	8	14	12	15	0.011
G1/8	0210 10 00	8	14	14	15	0.013
G1/4	0210 13 00	12	19	18	21	0.031
G3/8	0210 17 00	12	22	22	21	0.046
G1/2	0210 21 00	14	27	26	24	0.078
G3/4	0210 27 00	16	32	32	27	0.133
G1	0210 34 00	18	41	39	33	0.270

Profile of head undercut conforms to DIN 3852-1, form D/E.
BSPP threads, ISO 228-1.
Parallel metric threads, NFE 03-054

0216 Hex Head Plug, Male BSPT Thread

Steel

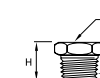


C		F	H	Kg
R1/8	0216 10 00	13	16	0.012
R1/4	0216 13 00	17	19	0.023
R3/8	0216 17 00	19	21	0.038
R1/2	0216 21 00	22	23	0.060

BSPT thread conforms to EN 10226-1

0216 Hex Head Plug, Male NPT Thread

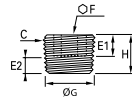
Steel



C		F	H	Kg
NPT1/8	0216 11 00	13	16	0.012
NPT1/4	0216 14 00	17	19	0.023
NPT1/2	0216 22 00	22	23	0.060

0285 Internal Hexagon Head Plug, Male BSPT Thread

Stainless steel 316L

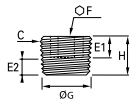


C		E1	E2 max	E2 min	F	G	H	Kg
R1/8	0285 10 00	4	3.9	2.1	5	9.7	8	0.003
R1/4	0285 13 00	5	5.8	3.2	7	13.1	10	0.007
R3/8	0285 17 00	5	5.8	3.2	8	16.7	10	0.012
R1/2	0285 21 00	5	6.8	3.2	10	21	10	0.024
R3/4	0285 27 00	6	7.8	4.2	12	26.4	12	0.051
R1	0285 34 00	6	9.3	4.7	17	33.2	12	0.089

Conforms to DIN 906
Thread: EN 10226-1

0285 Internal Hexagon Head Plug, Male NPT Thread

Stainless steel 316L



C		E1	E2 max	E2 min	F	G	H	Kg
NPT1/8	0285 11 00	6	5	3.2	5	10.2	8	0.003
NPT1/4	0285 14 00	8	7.2	4.4	6	13.6	10	0.007
NPT3/8	0285 18 00	8	7.5	4.7	8	17	11	0.013
NPT1/2	0285 22 00	8	9.9	6.3	10	21	13	0.025

Conforms to ANSI B1.20.1

0137 Bonded Seal

Zinc-plated steel with NBR seal



C		G1	G2	K	Kg
M12	0137 12 00	12.7	19	1.5	0.001
M14	0137 14 00	14.7	21	1.5	0.002
M16	0137 16 00	16.7	23	1.5	0.002
M18	0137 18 00	18.7	27	2	0.004
M20	0137 20 00	20.7	29	2	0.004
M22	0137 22 00	22.7	31	2	0.005
M24	0137 24 00	24.7	33	2	0.005
G1/8	0137 10 00	10.7	17	1.5	0.001
G1/4	0137 13 00	13.7	20.6	2.1	0.002
G3/8	0137 17 00	17.4	23.7	1.5	0.002
G1/2	0137 21 00	21.5	28.6	2.5	0.004
G3/4	0137 27 00	27	35.3	2	0.007
G1	0137 33 00	33.7	42	2	0.007
G1 1/4	0137 42 00	43	54	2.5	0.013
G1 1/2	0137 48 00	49	60	2.5	0.015

Note: to use these bonded seals successfully it is necessary to spot face around the female thread to provide a sealing "land".

The diameter should be 0.3 mm to 0.5 mm greater than the external diameter of the seal.

The surface finish of the thread should not exceed 12 µ.

0602 Captive Sealing Washer

Technical polymer

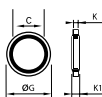


C		G1	G2	K	Kg
M5x0.8	0602 29 93 15	5.2	7.8	1.5	0.001
G1/8	0602 23 10 20	10.3	14	2	0.001
G1/4	0602 23 11 20	13.7	17.5	2	0.001
G3/8	0602 23 12 20	17.2	21	2	0.001
G1/2	0602 23 13 20	21.5	25.5	2.5	0.002
G3/4	0602 27 32 20	27	32	2.5	0.001
G1	0602 30 60 20	33.8	39	3	0.002

Maximum allowable working pressure: 20 bar

0139 Bi-Material Captive Sealing Washer

Zinc-plated steel with NBR seal



C		G	K	K1	Kg
G1/8	0139 10 00	14	1	1.7	0.001
G1/4	0139 13 00	17	1	1.7	0.001
G3/8	0139 17 00	22	1.2	2.1	0.001
G1/2	0139 21 00	26	1.6	2.5	0.002
G3/4	0139 27 00	32	1.5	2.5	0.003
G1	0139 34 00	39.6	1.7	2.6	0.003

Maximum allowable working pressure: 250 bar

