



Parker Legris: Connecting You to the Best in Technology

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



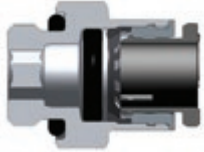
ENGINEERING YOUR SUCCESS.

Principle and Advantages of Our Connection Systems

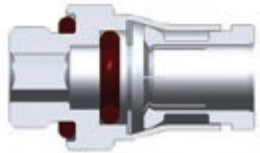
A very large number of technical solutions exist for connecting two pipes together. Leader in industrial connection systems, Parker Legris offers a very wide range of technologies and materials to cover all requirements.

Push-In Fittings

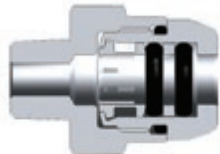
Tube retention with gripping ring



Tube retention with collet



Tube retention with reversed collet



Principle

Connected and sealed simply by pushing the tube into the fitting.
Disconnected by pushing on the release button.

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 produced 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



Principle

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



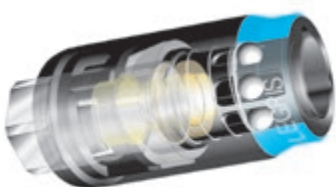
Principle

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

Advantages

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

Couplers



Principle

A probe with an international profile connects the circuit to the coupler. Certain couplers have a safety device which enables the circuit to be vented before releasing the probe.

Advantages

Suitable for frequent connection and disconnection.

Product Selection Table

Push-In Fittings	Materials	Fluids	Maximum Pressure (bar)	Temperature		Performance in Aggressive Environments	
				Min.	Max.	Mechanical	Chemical
LF 3000®	Technical polymer/brass/NBR	Compressed air	20	-20°C	+80°C	Good	Moderate
LF 3200	Nickel-plated brass/NBR	Compressed air	20	-15°C	+80°C	Excellent	Moderate
LIQUIFIT®	Bio-sourced polymer/nickel-plated brass FDA/316L stainless steel/EPDM	Liquids	16	-10°C	+95°C	Moderate	Good
LF 6270, Optic Fibre	Polycarbonate /NBR or silicone	Compressed air or water	25	-20°C*	+80°C	Excellent	Moderate
Prestomatic 3	Technical polymer/brass/NBR	Compressed air, air-brake systems	25	-50°C*	+100°C	Good	Moderate
Prestomatic 2	Brass/NBR	Compressed air, air brake systems	25	-50°C*	+100°C	Good	Moderate
LF 3600	Chemical nickel-plated brass FDA/FKM	All brass-compatible fluids	30	-25°C	+150°C	Excellent	Good
LF 6100	Brass/NBR	Oil, analytical gases	60	-40°C	+120°C	Excellent	Moderate
LF 3800 / LF 3900	316L - 303 stainless steel/FKM	All fluids	30	-25°C	+150°C	Excellent	Excellent

*temperature must be lowered while circuit is under pressure

Cartridges and Customised Products

LF 3000®	Technical polymer/brass or chemical nickel-plated brass/NBR	Compressed air	20	-20°C	+80°C	Good	Moderate
LIQUIFIT®	Bio-sourced polymer/ brass or nickel-plated brass/EPDM	Liquids	16	-10°C	+95°C	Moderate	Good
LF 3600	Chemical nickel-plated brass FDA/FKM	All brass-compatible fluids	30	-20°C	+150°C	Excellent	Good
LF 3800 / LF 3900	316L - 303 stainless steel/FKM	All fluids	30	-20°C	+150°C	Excellent	Excellent
FTL	Brass/NBR	Compressed air	16	-25°C	+80°C	Good	Moderate

Technical Tubing and Hose

Semi-Rigid PA	Semi-rigid bio-sourced polyamide	Compressed air, industrial fluids	50	-40°C	+100°C	Good	Good
Rigid PA	Rigid polyamide	Compressed air, industrial fluids	58	-40°C	+80°C	Good	Good
Fireproof High Resistance PA	Polyamide with flame-retardant additive	Coolants, industrial fluids (lubricants), compressed air	50	-50°C	+100°C	Excellent	Moderate
Anti-Spark PA and PU with or without PVC sheath	Semi-rigid polyamide with PVC sheath Polyurethane ether with PVC sheath Single-layer polyurethane ether with flame-retardant additive	Compressed air, coolants, industrial fluids	36 (PA) 14 (PU)	-20°C	+80°C +70°C	Excellent	Good
PU single and multi-tube	Polyurethane ester Polyurethane ether "Crystal" food-quality polyurethane ether	Compressed air, industrial fluids (water) or food industry fluids	12	-20°C	+70°C	Excellent	Moderate Good Good
Antistatic PU	Polyurethane filled with conductive particles	Compressed air	10	-20°C	+70°C	Excellent	Moderate
Advanced PE	Polyethylene, 50% reticulated	All fluids	16	-40°C	+95°C	Good	Excellent
FEP	Fluoropolymer: fluorinated ethylene-propylene	All fluids	28	-40°C	+150°C	Good	Excellent
PFA	Fluoropolymer: high purity and coloured perfluoroalkoxy FDA	All fluids	36	-196°C	+260°C	Excellent	Excellent
Antistatic PFA	Fluoropolymer: perfluoroalkoxy filled with conducting particles	All fluids	36	-196°C	+260°C	Excellent	Good
Self-Fastening NBR	NBR with polyamide braid	Compressed air, coolants	16	-20°C	+100°C	Excellent	Good
Braided PU	Polyurethane with polyester braid	Compressed air, industrial fluids	15	-40°C	+75°C	Excellent	Good

Function Fittings

Polymer Flow Regulators	Technical polymer/nickel-plated brass	Compressed air	10	0°C	+70°C	Good	Moderate
Metal Flow Regulators	Treated brass/nickel-plated brass	Compressed air	10	-25°C*	+70°C	Excellent	Moderate

*depending on the model

This table is not exhaustive; you will find additional technical information in the various chapters of this catalogue which will enable you to select the product you need.

Function Fittings (continued)	Materials	Fluids	Maximum Pressure (bar)	Temperature		Performance in Aggressive Environments	
				Min.	Max.	Mechanical	Chemical
Stainless Steel Flow Regulators	316L stainless steel	Compressed air	40	-15°C	+120°C	Excellent	Excellent
Blocking Fittings	Nickel-plated brass	Compressed air	10	-20°C	+70°C	Excellent	Good
Piloted Non-Return Valve	Technical polymer/nickel-plated brass	Compressed air	10	-5°C	+60°C	Good	Moderate
Non-Return Fitting	Technical polymer/nickel-plated brass	Compressed air	10	0°C	+70°C	Good	Moderate
LIQUIFIT® Non-Return Fitting	POM	Compressed air, drinkable water, treated water, beverages	10	0°C	+0°C	Good	Moderate
Silencers	Polymer, sintered bronze, nickel-plated brass, 316L stainless steel	Compressed air	12	-20°C	+180°C	Good	Moderate

*depending on the model

Compression Fittings

Brass Fittings	Brass	Compressed air, industrial fluids	550 (depending on the type of tubing used)	-60°C	+250°C	Excellent	Good
Stainless Steel Fittings	316L stainless steel	All fluids	400 (80 bar in aggressive environment)	-60°C	+250°C	Excellent	Excellent
PL Spigot Fittings	Nickel-plated brass	Compressed air, industrial fluids	40 (depending on the type of nut used)	-40°C	+100°C	Good	Good

Industrial Valves

Universal and Customised Series Ball Valves	Nickel-plated brass	Compressed air, industrial fluids	40	-40°C*	+100°C	Excellent	Good
Mini Series Ball Valves	Technical polymer/nickel-plated brass	Compressed air	10	-20°C	+80°C	Good	Moderate
DVGW Series Ball Valves	Nickel-plated brass	Gas, water	40	-40°C	+170°C	Excellent	Good
LIQUIFIT® Ball Valves	Polypropylene	Drinking water, treated water, beverages	10	-15°C	+100°C	Moderate	Good
Standard Series Ball Valves	Nickel- or chromium-plated brass	All industrial fluids	30	-20°C	+130°C	Excellent	Good
Stainless Steel Series Ball Valves	316L stainless steel	All fluids	65	-20°C	+150°C	Excellent	Excellent
Axial Valves	Nickel-plated brass	Compressed air	10	-20°C	+135°C	Excellent	Good

*depending on the model

Industrial Blowguns

Polymer	Technical polymer	Compressed air	10	-20°C	+50°C	Good	Moderate
Metal	Aluminium or nickel-plated brass	Industrial fluids	20	-20°C	+100°C	Excellent	Good

Quick-Acting Couplers

C 9000 Safety Couplers	Technical polymer	Compressed air	16	-20°C	+60°C	Good	Moderate
Metal Quick-Acting Couplers	Nickel-plated brass	Compressed air, compatible fluids	20	-20°C	+100°C	Excellent	Good
Coupleurs séries mini, médium et maxi	Nickel-plated brass	Water and air	20	-20°C	+100°C	Excellent	Good

Adaptors and Manifolds

Brass Adaptors with sealing washer	Brass	Compressed air	200	-20°C	+100°C	Good	Moderate
Brass Adaptors without sealing washer	Brass	Compressed air	200	-40°C	+150°C	Good	Moderate
Nickel-Plated Brass Adaptors	Nickel-plated brass	Compressed air	60	-10°C	+80°C	Good	Moderate
Stainless Steel Adaptors	316L stainless steel	All fluids	200	-20°C	+180°C	Excellent	Excellent
Manifolds	Anodised aluminium, brass	Compressed air	20	-10°C	+80°C	Excellent	Good

Part Number Identification

The part numbers used for our product ranges are coded in such a way as to make it easy to identify any particular item. Detailed explanations of these part numbers can be found in the corresponding chapters.

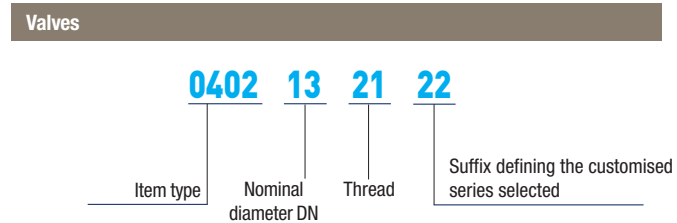
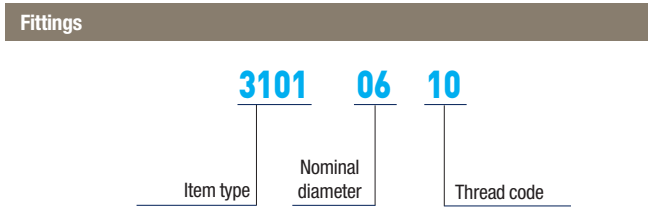
Fittings and Valves

The part numbers are selected using a technical mnemonic code.

Each fitting and valve is identified by:

- model series (4 digits)
- nominal diameter (2 digits)

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



Nominal diameter code: equates to the outside diameter of the tube.
Thread code: see tables page 12.

Nominal diameter code: equates to the bore diameter of the valve.
Thread code: see tables page 12.

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

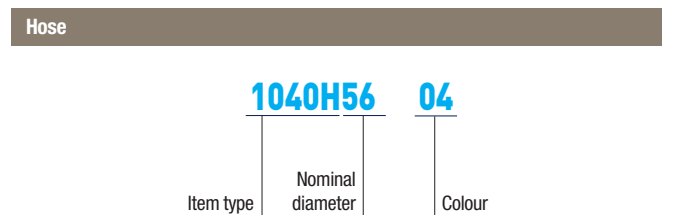
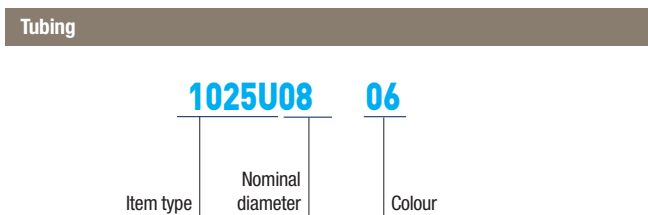
Technical Tubing and Hose

The part numbers are selected using a technical mnemonic code.

Each tube and hose is identified by:

- model series (4 digits and a letter)
- nominal diameter (2 digits)

- colour (2 digits)
- inside diameter, if applicable



Nominal diameter code: equates to the outside diameter.
Colour code: see table below.

Nominal diameter code: equates to the inside diameter code.
Colour code: see table below.

00 = □ 01 = ■ 02 = ■ 03 = ■ 04 = ■ 05 = ■ 06 = ■ 07 = ■ 08 = □

For other colours, refer to chapter "Technical Tubing and Hose".

LF 3800/LF 3900 Push-In Fittings Range

Stud Fittings

Straights

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3905
BSPT
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NPT
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BSPP/Metric
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Straights - Inch

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Elbows

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NPT
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Elbow - Inch

Tees

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Tube-to-Tube Fittings

Straight

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Straight - Inch

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Elbow

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Elbow - Inch

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3902
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Tee

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Tee - Inch

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Bulkhead Connector Fittings

Straight

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Straight - Inch

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Plug-In Fittings and Accessories

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Reducer
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Plug
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Accessories

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3000 70
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LF 3800/LF 3900 Push-In Fittings

Parker Legris has developed two ranges of **stainless steel fittings (LF 3800 or LF 3900 in full 316L)** for conveying corrosive fluids in **aggressive environments**. These ranges provide two complementary levels of corrosion resistance and a **hygienic external design**.

Product Advantages

High Resistance to Aggressive Environments

LF 3800: excellent for conveying aggressive fluids
 LF 3900: maximum chemical resistance to internal and external corrosion
 Hygienic external design for reducing retention zones
 Easy cleaning in situ
 Proven gripping technology

Wide Range of Applications

Perfect for permanent contact with foodstuffs
 Compatible with frequent sterilization
 Excellent in saline environments and outdoor applications
 Resistant to industrial cleaning agents and detergents
 Compatible with polymer and grooved stainless steel tubing
 One fitting for many applications: optimised stock management

Reliability & Safety

All-metal product allowing detection of all components
 Full bore, with minimal pressure drop
 Resistant to hammering, mechanical shock and impulse
 Manual connection and disconnection, no tools required
 100% leak-tested in production
 Date coding to guarantee quality and traceability
 IP 51 bulkhead: complete protection against ingress in food and non-food zones



Applications

Food Process
 Paper Industry
 Petrochemical
 Pharmaceutical
 Chemical
 Medical

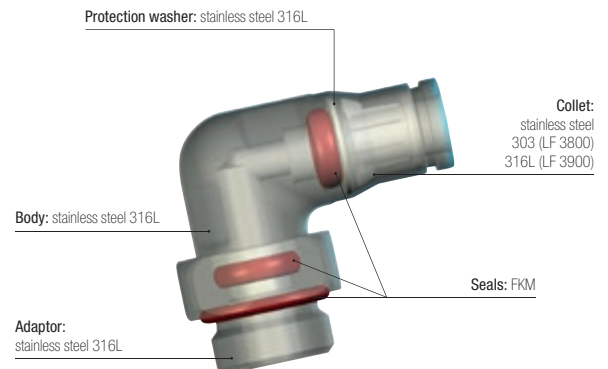
Technical Characteristics

Compatible Fluids	All fluids compatible with the fitting and tubing component materials					
Working Pressure	Vacuum to 30 bar (20 bar: 3879/3979 and 3889/3989)					
Working Temperature	-25° to +150°C					

Adaptor Tightening Torque	Threads	M5x0.8	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.

Component Materials



Silicone-free

Regulations

ISO 14743 Pneumatic transmissions, push-in fittings for thermoplastic tubing
 EN 45545-2: HL3, R22, R24, R25 classification can be attained when used with fireproof tubing
 DI: 97/23/EC (PED)
 DI: 2002/95/EC (RoHS), 2011/65/EC

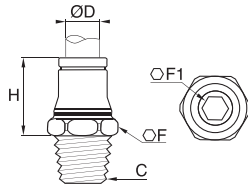
DI: 94/9/EC (ATEX)
 RG: 1907/2006 (REACH)
 UL94 V-0: Seal
 RG: 21CFR (FDA)
 RG: 1935/2004/EC
 USDA NSF H1: Grease

Stud Fittings

3805/3905 Stud Fitting, Male BSPT Thread



Stainless steel 316L, FKM



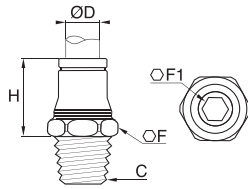
ØD	C			F	F1	H	Kg
4	R1/8	3805 04 10	3905 04 10	10	3	14.5	0.008
	R1/4	3805 04 13	3905 04 13	14	3	14.5	0.016
6	R1/8	3805 06 10	3905 06 10	13	4	18	0.012
	R1/4	3805 06 13	3905 06 13	14	4	16.5	0.018
8	R1/8	3805 08 10	3905 08 10	15	5	19	0.014
	R1/4	3805 08 13	3905 08 13	15	6	18	0.018
10	R3/8	3805 08 17	3905 08 17	17	6	18.5	0.025
	R1/4	3805 10 13	3905 10 13	19	6	24	0.029
	R3/8	3805 10 17	3905 10 17	19	6	22.5	0.030
	R1/4	3805 12 13	3905 12 13	22	7	25	0.034
12	R3/8	3805 12 17	3905 12 17	22	8	24	0.038
	R1/2	3805 12 21	3905 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
	NPT1/4	3805 12 14	22	7	25	0.035
12	NPT3/8	3805 12 18	22	8	24	0.039
	NPT1/2	3805 12 22	22	10	23	0.045

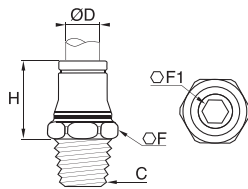
3805

Stud Fitting, Male NPT Thread



Inch

Stainless steel 316L, FKM



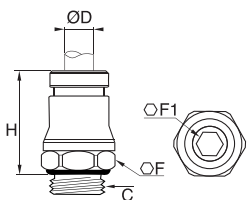
ØD	C		F	F1	H	Kg
3/16	NPT1/8	3805 55 11	10	3	15.5	0.011
	NPT1/4	3805 55 14	14	3	15.5	0.016
1/4	NPT1/8	3805 56 11	13	4	19	0.012
	NPT1/4	3805 56 14	14	4	17.5	0.018
3/8	NPT1/4	3805 60 14	19	6	25	0.029
	NPT3/8	3805 60 18	19	7	24	0.032
1/2	NPT1/4	3805 62 14	22	7	26	0.036
	NPT3/8	3805 62 18	22	8	25	0.041
	NPT1/2	3805 62 22	22	10	25	0.050

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

3801/3901 Stud Fitting, Male BSPP and Metric Thread



Stainless steel 316L, FKM



ØD	C			F	F1	H	Kg
4	M5x0.8	3801 04 19	3901 04 19	10	2.5	17	0.005
	G1/8	3801 04 10	3901 04 10	13	3	16.5	0.009
	M5x0.8	3801 06 19	3901 06 19	13	2.5	20.5	0.010
6	G1/8	3801 06 10	3901 06 10	13	4	18	0.010
	G1/4	3801 06 13	3901 06 13	17	4	18	0.015
	G1/8	3801 08 10	3901 08 10	15	5	19	0.013
8	G1/4	3801 08 13	3901 08 13	17	5	20.5	0.017
	G3/8	3801 08 17	3901 08 17	21	6	20	0.027
10	G1/4	3801 10 13	3901 10 13	19	7	25	0.025
	G3/8	3801 10 17	3901 10 17	21	7	25	0.035
12	G1/4	3801 12 13	3901 12 13	21	7	27	0.030
	G3/8	3801 12 17	3901 12 17	21	9	26.5	0.034

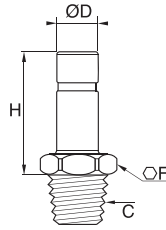
Other products are available upon request; please do not hesitate to consult us.

Stud Fittings

3821/3921 Stud Standpipe, Male BSPT Thread



Stainless steel 316L

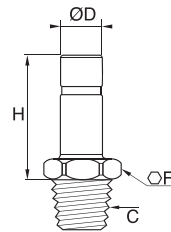


ØD	C			F	H	Kg
4	R1/8	3821 04 10	3921 04 10	10	21	0.006
	R1/4	3821 06 10	3921 06 10	10	23	0.007
6	R1/8	3821 06 13	3921 06 13	14	24	0.015
	R1/4	3821 08 10	3921 08 10	11	24	0.008
8	R1/8	3821 08 13	3921 08 13	14	25	0.016
	R1/4	3821 10 13	3921 10 13	19	30	0.017
10	R3/8	3821 10 17	3921 10 17	19	30	0.022
	R1/4	3821 12 13	3921 12 13	19	31	0.018
12	R3/8	3821 12 17	3921 12 17	19	31	0.022
	R1/2	3821 12 21	3921 12 21	22	32	0.040

3821/3921 Stud Standpipe, Male NPT Thread



Stainless steel 316L



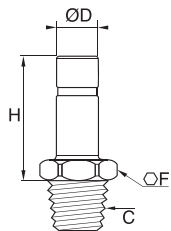
ØD	C			F	H	Kg
4	NPT1/8	3821 04 11	3921 04 11	10	21	0.006
	NPT1/4	3821 06 11	3921 06 11	10	23	0.007
6	NPT1/8	3821 06 14	3921 06 14	14	24	0.016
	NPT1/4	3821 08 11	3921 08 11	14	24	0.010
8	NPT1/8	3821 08 14	3921 08 14	14	25	0.016
	NPT1/4	3821 10 14	3921 10 14	14	30	0.017
10	NPT3/8	3821 10 18	3921 10 18	17	30	0.010
	NPT1/4	3821 12 14	3921 12 14	14	31	0.018
12	NPT3/8	3821 12 18	3921 12 18	17	31	0.026
	NPT1/2	3821 12 22	3921 12 22	22	32	0.050

3821 Stud Standpipe, Male NPT Thread



Inch

Stainless steel 316L



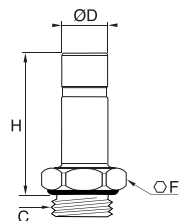
ØD	C		F	H	Kg
3/16	NPT1/8	3821 55 11	10	25	0.009
	NPT1/4	3821 56 11	10	26	0.009
1/4	NPT1/4	3821 56 14	14	27	0.016
	NPT3/8	3821 60 14	19	32	0.019
3/8	NPT3/8	3821 60 18	19	32	0.029
	NPT1/4	3821 62 14	19	36	0.033
1/2	NPT3/8	3821 62 18	19	37	0.025
	NPT1/2	3821 62 22	22	37	0.042

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

3831/3931 Stud Standpipe, Male BSPP and Metric Thread



Stainless steel 316L, FKM



ØD	C			F	H	K	Kg
4	M5x0.8	3831 04 19	3931 04 19	7	23.5	8	0.004
	G1/8	3831 04 10	3931 04 10	13	22	14	0.008
	G1/4	3831 04 13	3931 04 13	17	22	18.5	0.016
6	G1/8	3831 06 10	3931 06 10	13	24	14	0.009
	G1/4	3831 06 13	3931 06 13	17	24	18.5	0.015
8	G1/8	3831 08 10	3931 08 10	13	25	14	0.010
	G1/4	3831 08 13	3931 08 13	17	27	18.5	0.019
	G3/8	3831 08 17	3931 08 17	21	27	23	0.024
10	G1/4	3831 10 13	3931 10 13	17	32	18.5	0.020
	G3/8	3831 10 17	3931 10 17	21	27	23	0.025
12	G1/4	3831 12 13	3931 12 13	17	33	18.5	0.021
	G3/8	3831 12 17	3931 12 17	21	33	23	0.028
	G1/2	3831 12 21	3931 12 21	24	36	26	0.043

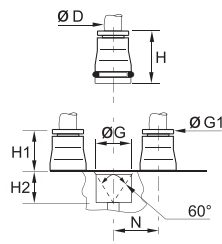
LF 3800 : 316L stainless steel (body) with 303 stainless steel collet, FKM seals
 LF 3900 : full 316L, FKM seals

Stud Fittings

3800/3900 One-Piece Cartridge



Stainless steel 316L, FKM



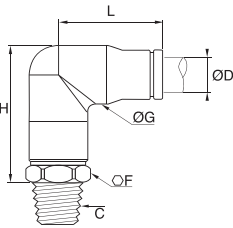
ØD			G	G1	H	H1	H2	N	Kg
4	3800 04 00	3900 04 00	9.8	8	17	8.5	8.5	11	0.006
6	3800 06 00	3900 06 00	12.1	10	19	10.5	8.5	13.5	0.008
8	3800 08 00	3900 08 00	14.8	13	21	12.5	8.5	16	0.012
10	3800 10 00	3900 10 00	17.5	15	24.5	14	10.5	20	0.019
12	3800 12 00	3900 12 00	20	17	25	14.5	10.5	22.5	0.022

3800: collet in stainless steel 303
 3900: collet in stainless steel 316L
 Cavity dimensions are available in chapter 2.

3809/3909 Stud Elbow, Male BSPT Thread



Stainless steel 316L, FKM



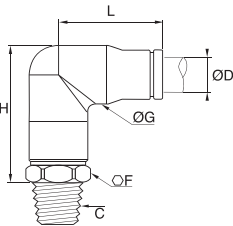
ØD	C			F	G	H	L	Kg
4	R1/8	3809 04 10	3909 04 10	10	10	23.5	16.5	0.020
	R1/4	3809 06 10	3909 06 10	13	12	27.5	20	0.031
6	R1/4	3809 06 13	3909 06 13	14	12	27.5	25	0.036
	R1/8	3809 08 10	3909 08 10	14	15	32	25	0.040
8	R1/4	3809 08 13	3909 08 13	14	14.5	34	25	0.045
	R1/8	3809 10 13	3909 10 13	19	17.5	37.5	27.5	0.069
10	R3/8	3809 10 17	3909 10 17	19	17.5	37.5	27.5	0.070

The body swivels for positioning purposes.

3809 Stud Elbow, Male NPT Thread



Stainless steel 316L, FKM



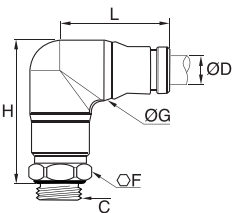
ØD	C			F	G	H	L	Kg
4	NPT1/8	3809 04 11	3909 04 11	11	10	25.5	18.5	0.021
	NPT1/8	3809 06 11	3909 06 11	13	12.5	29	22.5	0.031
6	NPT1/4	3809 06 14	3909 06 14	14	12.5	29	22.5	0.036
	NPT1/8	3809 08 11	3909 08 11	14	15	34	24	0.040
8	NPT1/4	3809 08 14	3909 08 14	14	15	34	24	0.045
	NPT1/4	3809 10 14	3909 10 14	19	17.5	39.5	30	0.068
10	NPT3/8	3809 10 18	3909 10 18	19	17.5	39.5	30	0.071

The body swivels for positioning purposes.

3899/3999 Stud Elbow, Male BSPP and Metric Thread



Stainless steel 316L, FKM

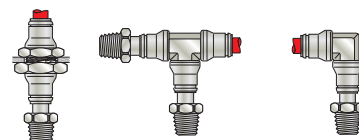


ØD	C			F	G	H	L	Kg
4	M5x0.8	3899 04 19	3999 04 19	10	10	26	18	0.020
	G1/8	3899 04 10	3999 04 10	13	10	27	19	0.022
	G1/4	3899 04 13	3999 04 13	17	10	27	19	0.018
6	M5x0.8	3899 06 19	3999 06 19	13	12	33	24	0.031
	G1/8	3899 06 10	3999 06 10	6	12	33	24	0.031
	G1/4	3899 06 13	3999 06 13	17	12	32	24	0.036
8	G1/8	3899 08 10	3999 08 10	14	15	35	25	0.039
	G1/4	3899 08 13	3999 08 13	17	15	35	25	0.044
	G3/8	3899 08 17	3999 08 17	21	15	34.5	25	0.049
10	G1/4	3899 10 13	3999 10 13	19	17	43	31	0.067
	G3/8	3899 10 17	3999 10 17	21	17	42	31	0.072

The body swivels for positioning purposes.

Stud standpipe 3821, 3921, 3831, 3931 can be used as illustrated, allowing:

- stock optimisation
- installation of tees and elbows where required



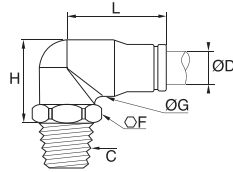
Stud Fittings

3889/3989

Compact Stud Elbow, Male BSPT Thread



Stainless steel 316L, FKM



ØD	C			F	G	H	L	Kg
4	R1/8	3889 04 10	3989 04 10	13	10	18	17	0.019
	R1/4	3889 04 13	3989 04 13	17	10	19.5	16.5	0.018
6	R1/8	3889 06 10	3989 06 10	13	12	21.5	20.5	0.026
	R1/4	3889 06 13	3989 06 13	14	12	21.5	20.5	0.032
8	R1/8	3889 08 10	3989 08 10	14	15	24	22	0.035
	R1/4	3889 08 13	3989 08 13	14	15	24	22	0.035
10	R1/4	3889 10 13	3989 10 13	17	17.5	28.5	27.5	0.057
	R3/8	3889 10 17	3989 10 17	19	17.5	28.5	27.5	0.067
12	R1/4	3889 12 13	3989 12 13	22	20	33.5	30	0.088
	R3/8	3889 12 17	3989 12 17	22	20	33.5	30	0.090
	R1/2	3889 12 21	3989 12 21	22	20	33.5	33	0.097

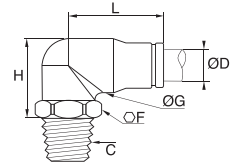
The body swivels for positioning purposes.
Max. 20 bar

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	0.020
6	NPT1/8	3889 06 11	13	12.5	20	22.5	0.026
	NPT1/4	3889 06 14	14	12.5	20	22.5	0.034
8	NPT1/8	3889 08 11	13	15	25	24	0.035
	NPT1/4	3889 08 14	14	15	24	24	0.036
10	NPT1/4	3889 10 14	17	17.5	27.5	27.5	0.059
	NPT3/8	3889 10 18	19	17.5	28.5	26.5	0.067
12	NPT1/4	3889 12 14	22	20	31.5	32.5	0.086
	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

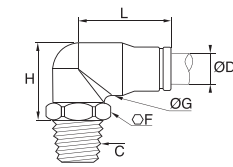
3889

Compact Stud Elbow, Male NPT Thread



Inch

Stainless steel 316L, FKM



ØD	C		F	G	H	L	Kg
3/16	NPT1/8	3889 55 11	10	10	21	20	0.020
	NPT1/4	3889 55 14	14	10	21	20	0.025
1/4	NPT1/8	3889 56 11	13	12	22	23	0.025
	NPT1/4	3889 56 14	14	12	22	23	0.033
3/8	NPT1/4	3889 60 14	17	17.5	28	30.5	0.059
	NPT3/8	3889 60 18	19	17.5	28	30.5	0.067
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

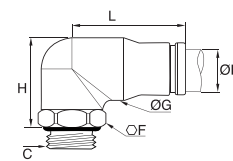
The body swivels for positioning purposes.
5/32" (4 mm) and 5/16" (8 mm) also available.
Max. 20 bar

3879/3979

Compact Stud Elbow, Male BSPP Thread



FKM, stainless steel 316L



ØD	C			F	G	H	L	Kg
4	G1/8	3879 04 10	3979 04 10	10	11	22	19	0.021
	G1/4	3879 04 13	3979 04 13	17	11	20	19	0.027
6	G1/8	3879 06 10	3979 06 10	13	12	24	24	0.029
	G1/4	3879 06 13	3979 06 13	17	12	22	24	0.034
8	G1/8	3879 08 10	3979 08 10	13	15	25	25	0.035
	G1/4	3879 08 13	3979 08 13	17	15	25	25	0.039
	G3/8	3879 08 17	3979 08 17	21	15	23	25	0.047
10	G1/4	3879 10 13	3979 10 13	18	17	43	31	0.058
	G3/8	3879 10 17	3979 10 17	21	17	40	31	0.066
12	G1/4	3879 12 13	3979 12 13	17	20	33	33	0.077
	G3/8	3879 12 17	3979 12 17	21	20	33	33	0.082
	G1/2	3879 12 21	3979 12 21	24	20	30	33	0.097

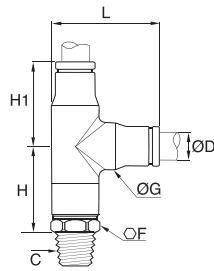
The body swivels for positioning purposes.
Max. 20 bar

Stud Fittings

3803/3903 Stud Run Tee, Male BSPT Thread



Stainless steel 316L, FKM



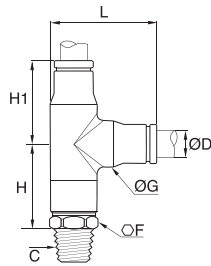
ØD	C			F	G	H	H1	L	Kg
4	R1/8	3803 04 10	3903 04 10	10	10	19	17	22	0.020
6	R1/8	3803 06 10	3903 06 10	13	12	22	20	26.5	0.038
	R1/4	3803 06 13	3903 06 13	14	15	22	20	27	0.035
8	R1/8	3803 08 10	3903 08 10	14	15	24	23	31	0.049
	R1/4	3803 08 13	3903 08 13	14	15	24	23	31	0.055
10	R1/4	3803 10 13	3903 10 13	19	17.5	30	29	38	0.070
	R3/8	3803 10 17	3903 10 17	19	17.5	30	29	38	0.083

The body swivels for positioning purposes.

3803 Stud Run Tee, Male NPT Thread



Stainless steel 316L, FKM



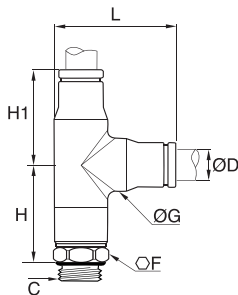
ØD	C			F	G	H	H1	L	Kg
4	NPT1/8	3803 04 11		11	10	21	19	25	0.021
6	NPT1/8	3803 06 11		13	12	24	21	27	0.038
	NPT1/4	3803 06 14		14	12	24	21	27.5	0.037
8	NPT1/8	3803 08 11		14	15	26.5	24	30.5	0.050
	NPT1/4	3803 08 14		14	15	26.5	24	30.5	0.048
10	NPT1/4	3803 10 14		19	17.5	31	29.5	37.5	0.082

The body swivels for positioning purposes.

3893/3993 Stud Run Tee, Male BSPP and Metric Thread



Stainless steel 316L, FKM



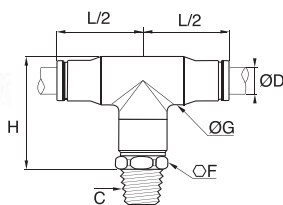
ØD	C			F	G	H	H1	L	Kg
4	M5x0.8	3893 04 19	3993 04 19	10	11	21.5	19	24.5	0.023
	G1/8	3893 04 10	3993 04 10	13	11	21.5	19	24.5	0.026
	G1/4	3893 04 13	3993 04 13	17	11	22	19	28	0.033
6	G1/8	3893 06 10	3993 06 10	13	12	26.5	24	30	0.038
	G1/4	3893 06 13	3993 06 13	17	12	26	24	32	0.043
8	G1/8	3893 08 10	3993 08 10	14	15	27.5	25	32	0.049
	G3/8	3893 08 17	3993 08 17	17	15	28	25	33.5	0.053
10	G1/4	3893 10 13	3993 10 13	19	17	34	31	39	0.081
	G3/8	3893 10 17	3993 10 17	21	17	35.5	31	39.5	0.082

The body swivels for positioning purposes.

3808/3908 Stud Branch Tee, Male BSPT Thread



Stainless steel 316L, FKM



ØD	C			F	G	H	L/2	Kg
4	R1/8	3808 04 10	3908 04 10	10	10	23.5	19	0.020
6	R1/8	3808 06 10	3908 06 10	13	12	27.5	24	0.038
	R1/4	3808 06 13	3908 06 13	14	12	27.5	24	0.044
8	R1/8	3808 08 10	3908 08 10	14	15	32	25	0.049
	R1/4	3808 08 13	3908 08 13	14	15	32	25	0.055
10	R3/8	3808 08 17	3908 08 17	19	15	33	25	0.068
	R1/4	3808 10 13	3908 10 13	19	17.5	37.5	31	0.082
	R3/8	3808 10 17	3908 10 17	19	17.5	37.5	31	0.083

The body swivels for positioning purposes.

These models enable compact connection for elbow outlets, thus allowing space saving.

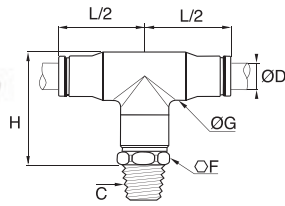
Stud Fittings

3808

Stud Branch Tee, Male BSPT Thread



Stainless steel 316L, FKM



ØD	C		F	G	H	L/2	Kg
4	NPT1/8	3808 04 11	11	10	22	19	0.026
6	NPT1/8	3808 06 11	13	12.5	30	24	0.031
	NPT1/4	3808 06 14	14	12.5	30	24	0.044
8	NPT1/8	3808 08 11	14	15	34	25	0.042
	NPT1/4	3808 08 14	14	15	34	25	0.054
10	NPT1/4	3808 10 14	19	17.5	40	31	0.082
	NPT3/8	3808 10 18	19	17.5	40	31	0.084

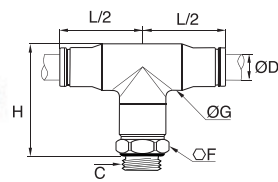
The body swivels for positioning purposes.

3898/3998

Stud Branch Tee, Male BSPP and Metric Thread



Stainless steel 316L, FKM



ØD	C			F	G	H	L/2	Kg
4	M5x0.8	3898 04 19	3998 04 19	10	11	27	19	0.024
	G1/8	3898 04 10	3998 04 10	13	11	27	19	0.026
	G1/4	3898 04 13	3998 04 13	17	11	27	19	0.032
6	M5x0.8	3898 06 19	3998 06 19	13	12	33.5	24	0.038
	G1/8	3898 06 10	3998 06 10	13	12	33	24	0.038
	G1/4	3898 06 13	3998 06 13	17	12	32	24	0.043
8	G1/8	3898 08 10	3998 08 10	14	15	35	25	0.051
	G1/4	3898 08 13	3998 08 13	17	15	35	25	0.053
	G3/8	3898 08 17	3998 08 17	21	15	34.5	25	0.058
10	G1/4	3898 10 13	3998 10 13	19	17	43	31	0.082
	G3/8	3898 10 17	3998 10 17	21	17	41	31	0.087

The body swivels for positioning purposes.

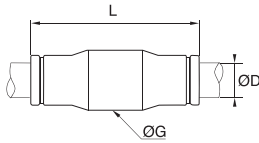
LF 3800 : 316L stainless steel (body) with 303 stainless steel collet, FKM seals
 LF 3900 : full 316L, FKM seals

Tube-to-Tube Fittings

3806/3906 Equal Straight Connector



Stainless steel 316L, FKM

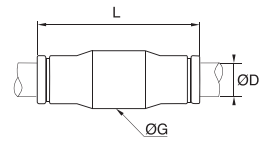


ØD			G	L	Kg
4	3806 04 00	3906 04 00	10	29	0.009
6	3806 06 00	3906 06 00	12	34	0.015
8	3806 08 00	3906 08 00	15	36	0.019
10	3806 10 00	3906 10 00	17.5	45	0.033
12	3806 12 00	3906 12 00	20	46.5	0.040

3806/3906 Equal Straight Connector



Stainless steel 316L, FKM



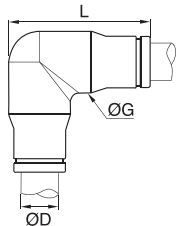
ØD			G	L	Kg
3/16	3806 55 00	3906 55 00	11	31	0.010
1/4	3806 56 00	3906 56 00	12	36	0.015
3/8	3806 60 00	3906 60 00	17	47	0.030
1/2	3806 62 00	3906 62 00	20	48	0.039

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

3802/3902 Equal Stud Elbow



Stainless steel 316L, FKM

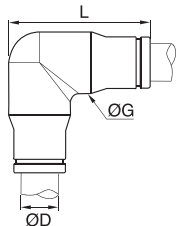


ØD			G	L	Kg
4	3802 04 00	3902 04 00	10	21.5	0.015
6	3802 06 00	3902 06 00	12	26.5	0.024
8	3802 08 00	3902 08 00	15	29.5	0.031
10	3802 10 00	3902 10 00	17.5	36.5	0.050
12	3802 12 00	3902 12 00	20	40	0.072

3802/3902 Equal Stud Elbow,



Stainless steel 316L, FKM



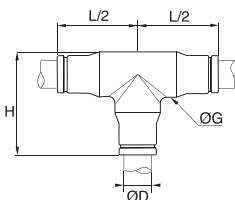
ØD			G	L	Kg
3/16	3802 55 00	3902 55 00	11	25	0.011
1/4	3802 56 00	3902 56 00	12	29	0.024
3/8	3802 60 00	3902 60 00	17	38	0.047
1/2	3802 62 00	3902 62 00	20	43	0.071

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

3804/3904 Equal Tee



Stainless steel 316L, FKM



ØD			G	H	L/2	Kg
4	3804 04 00	3904 04 00	10	22	19	0.020
6	3804 06 00	3904 06 00	12	26	24	0.031
8	3804 08 00	3904 08 00	15	29.5	25	0.040
10	3804 10 00	3904 10 00	17.5	36.5	31	0.064
12	3804 12 00	3904 12 00	20	40	33	0.088

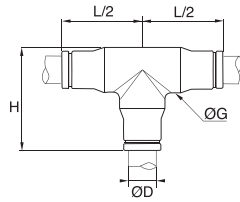
Bulkhead Connector Fittings

3804/3904

Equal Tee



Stainless steel 316L, FKM



ØD			G	H	L/2	Kg
3/16	3804 55 00	3904 55 00	11	25	20	0.017
1/4	3804 56 00	3904 56 00	12	30	23	0.031
3/8	3804 60 00	3904 60 00	17	38	29	0.059
1/2	3804 62 00	3904 62 00	20	43	33	0.089

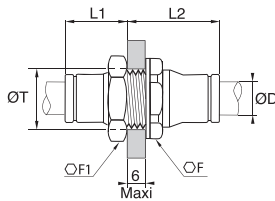
5/32" (4 mm) and 5/16" (8 mm) also available

3816/3916

Equal Bulkhead Connector



Stainless steel 316L, FKM



ØD			F	F1	L1	L2	ØT	Kg
4	3816 04 00	3916 04 00	13	14	13.5	19.5	13	0.017
6	3816 06 00	3916 06 00	17	17	16.5	21.5	14	0.027
8	3816 08 00	3916 08 00	19	19	18	24	16	0.034
10	3816 10 00	3916 10 00	22	22	21.5	27.5	21	0.049
12	3816 12 00	3916 12 00	24	24	24	29	23	0.059

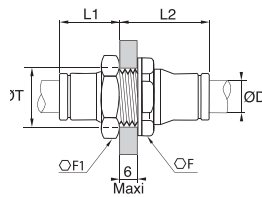
IP55 sealing

3816/3916

Equal Bulkhead Connector



Stainless steel 316L, FKM



ØD			F	F1	L1	L2	ØT	Kg
3/16	3816 55 00	3916 55 00	17	13	15	18	12.5	0.017
1/4	3816 56 00	3916 56 00	19	17	19	21	15	0.026
3/8	3816 60 00	3916 60 00	22	22	22	27	21	0.052
1/2	3816 62 00	3916 62 00	27	27	25	28	25	0.076

IP55 sealing

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

LF 3800/LF 3900 push-in fittings allow connection with several types of Parker Legris tubing shown in Chapter 3 of this catalogue, "Technical Tubing and Hose":

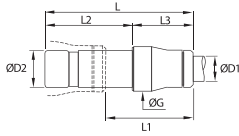
- PFA tubing
- Fluoropolymer tubing
- Polyethylene tubing
- Semi-rigid polyamide and flexible Crystal polyurethane tubing

Plug-In Fittings and Accessories

3866/3966 Push-In Reducer



Stainless steel 316L, FKM

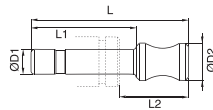


ØD1	ØD2			G	L	L1	L2	L3	Kg
4	6	3866 04 06	3966 04 06	10	35	19	19	16	0.009
	8	3866 04 08	3966 04 08	10	34	17	20	14	0.011
6	8	3866 06 08	3966 06 08	12	42	24	23	19	0.015
	10	3866 06 10	3966 06 10	12	41	19	25	16	0.019
8	10	3866 08 10	3966 08 10	15	45	22.5	25	20	0.020
	12	3866 08 12	3966 08 12	15	43	20	26	17	0.025
10	12	3866 10 12	3966 10 12	17	50	23	26	24	0.029

3826 Blanking Plug



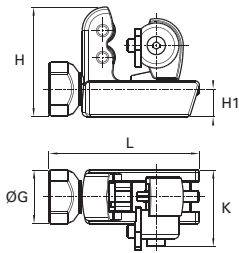
Stainless steel 316L



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	0.038

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/LF 3900 collet grips the tube securely.

0605 Fluoropolymer Tape

FKM

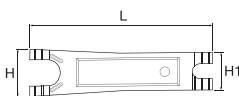


	Kg
0605 12 12	0.012

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.

3000 70 Dismounting Tool

Treated steel



	H	H1	L	Kg
3000 70 00	25	20	96	0.021

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

Parker Safety Guide

User Responsibility

Selection and Use of Fittings, Function Fittings, Tubing and Related Products

WARNING: Failure or improper selection or improper use of fittings, function fittings, tubing or related products ("Products") can cause death, personal injury and property damage.

Possible consequences of failure or improper selection or improper use of these Products include but are not limited to:

- Fittings thrown off at high speed.
- High velocity fluid discharge.
- Explosion or burning of the conveyed fluid.
- Electrocutation from high voltage electric power lines.
- Contact with suddenly moving or falling objects that are controlled by the conveyed fluid.
- Injections by high pressure fluid discharge.
- Dangerously whipping tubing.
- Contact with conveyed fluids that may be hot, cold, toxic or otherwise injurious.
- Sparking or explosion caused by static electricity build-up or other sources of electricity.
- Sparking or explosion while spraying paint or flammable liquids.
- Injuries resulting from inhalation, ingestion or exposure to fluids.
- Dynamic applications with strong oscillation.

The user, through his own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

Parker Legris has a continuous product development policy and therefore reserves the right to modify products shown in this catalogue. Please treat all dimensions and photos therefore as indicative.

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Parker's Motion & Control Technologies

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



Aerospace

Key Markets

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

Key Products

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



Climate Control

Key Markets

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

Key Products

Accumulators
Advanced actuators
CO₂ controls
Electronic controllers
Filter driers
Hand shut-off valves
Heat exchangers
Hose & fittings
Pressure regulating valves
Refrigerant distributors
Safety relief valves
Smart pumps
Solenoid valves
Thermostatic expansion valves



Electromechanical

Key Markets

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

Key Products

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



Filtration

Key Markets

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

Key Products

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



Fluid & Gas Handling

Key Markets

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

Key Products

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



Hydraulics

Key Markets

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

Key Products

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



Pneumatics

Key Markets

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

Key Products

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



Process Control

Key Markets

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

Key Products

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



Sealing & Shielding

Key Markets

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

Key Products

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



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