



Parker Legris: Connecting You to the Best in Technology

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



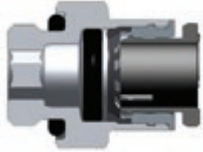
ENGINEERING YOUR SUCCESS.

Principle and Advantages of Our Connection Systems

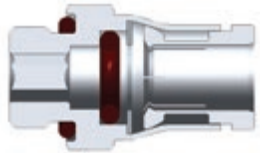
A very large number of technical solutions exist for connecting two pipes together. Leader in industrial connection systems, Parker Legris offers a very wide range of technologies and materials to cover all requirements.

Push-In Fittings

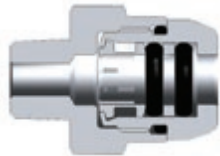
Tube retention with gripping ring



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.

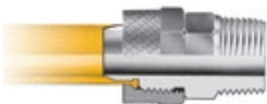
Advantages

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



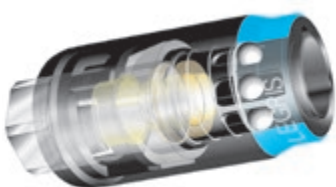
Principle

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.

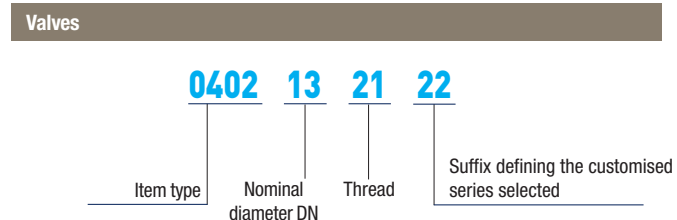
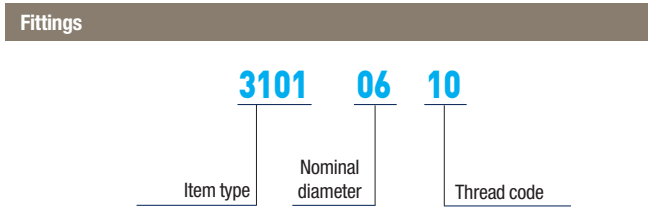
Fittings and Valves

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.

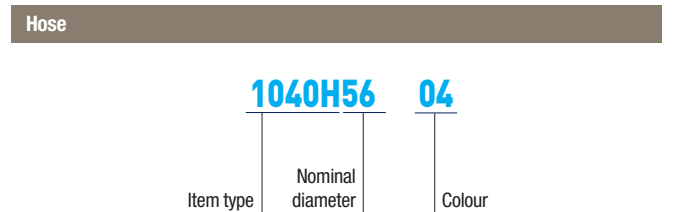
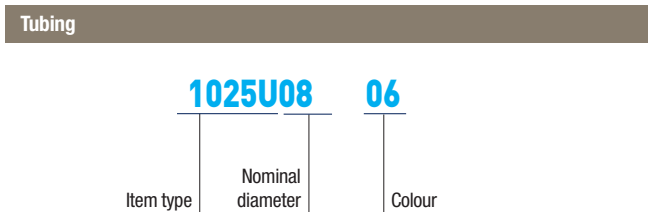
Technical Tubing and Hose

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 3600 Push-In Fittings Range

Stud Fittings

Straights



Elbows



Tees



Banjo

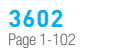


Tube-to-Tube Fittings

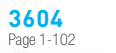
Straight



Elbow



Tee



Bulkhead Connector Fittings

Straights



Elbow



Plug-In Accessories



Accessories



LF 3600 Push-In Fittings

In order to meet your **technical and environment requirements**, Parker Legris designed this range of metal fittings, offering **robustness, reliability** and **resistance to industrial fluids** for the most demanding environments.

Product Advantages

High Performance

Resistant up to +150°C at 30 bar
Excellent mechanical performance
Long threads to resist shock and vibration
Excellent abrasion and corrosion resistance due to high phosphorus chemical nickel plating
Full flow, minimal pressure drop

Versatility

Materials conform to FDA standards
Spring collet gripping system suitable for both metal (grooved) and polymer tubing
Excellent resistance to high pressure and vacuum
Excellent chemical compatibility
More than 250 part numbers
One fitting for numerous applications: stock optimisation
Manual connection and disconnection
Compact and ergonomic

Reliability

High performance brass for increased lifespan
100% leak-tested in production
Date coding to guarantee quality and traceability



Food Process
Coffee Machines
In-Plant Automotive
Medical Equipment
Printing
Misting
Welding Robots

Applications

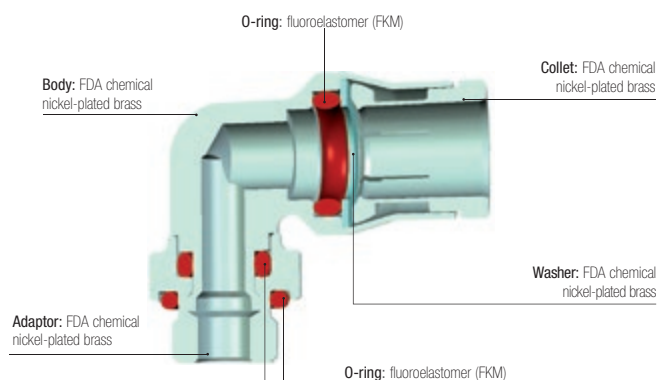
Technical Characteristics

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

Maximum Tightening Torque (daN.m)	Thread							
	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).

Component Materials



Silicone-free

Regulations

Industrial
ISO 14743: pneumatic transmissions, push-in fittings for thermoplastic tubing
DI: 97/23/EC (PED)
DI: 2002/95/EC (RoHS), 2011/65/EC
RG: 1907/2006 (REACH)
DI: 94/9/EC (ATEX)
UL94 V-0: please consult us

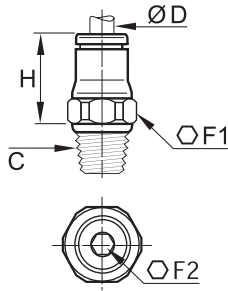
Food
RG: 21CFR (FDA)
RG: 1935/2004/EC (minimum flow 0.02 l/h)
USDA NSF H1: grease
ASTM B733-04: autocatalytic (electroless) nickel-phosphorus coatings

Stud Fittings

3675 Stud Fitting, Male BSPT Thread



FDA chemical nickel-plated brass, FKM

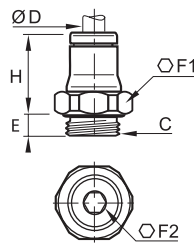


ØD	C		F1	F2	H	kg
4	R1/8	3675 04 10	10	3	15	0.009
	R1/4	3675 04 13	14	3	15	0.017
6	R1/8	3675 06 10	13	4	17	0.011
	R1/4	3675 06 13	14	4	17	0.018
8	R1/8	3675 08 10	15	5	19	0.015
	R1/4	3675 08 13	16	6	18	0.019
10	R3/8	3675 08 17	17	6	18.5	0.027
	R1/4	3675 10 13	18	7	23	0.026
	R3/8	3675 10 17	18	8	22.5	0.031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

3601 Stud Fitting, Male BSPP and Metric Thread



FDA chemical nickel-plated brass, FKM

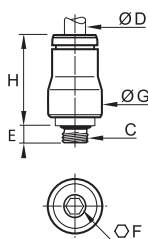


ØD	C		E	F1	F2	H	kg
4	M5x0.8	3601 04 19	3.5	10	2.5	15.5	0.006
	M6x1	3601 04 52	4.5	10	3	16	0.006
	M8x1	3601 04 56	5	11	3	14.5	0.007
	G1/8	3601 04 10	5.5	13	3	14.5	0.009
6	G1/4	3601 04 13	6.5	16	3	14.5	0.015
	M5x0.8	3601 06 19	3.5	13	2.5	19	0.010
	M10x1	3601 06 60	5.5	13	4	17.5	0.011
	G1/8	3601 06 10	5.5	13	4	17.5	0.011
8	G1/4	3601 06 13	6.5	16	4	17	0.015
	G1/8	3601 08 10	5.5	16	5	21	0.014
	G1/4	3601 08 13	6.5	16	6	18	0.016
	G3/8	3601 08 17	7.5	20	6	19	0.028
10	G1/4	3601 10 13	6.5	18	7	25	0.025
	G3/8	3601 10 17	7.5	20	8	22.5	0.028
	G1/2	3601 10 21	9	24	8	22.5	0.043
	G1/4	3601 12 13	6.5	20	7	26.5	0.030
12	G3/8	3601 12 17	7.5	20	9	26	0.034
	G1/2	3601 12 21	9	24	10	23.5	0.042
14	G3/8	3601 14 17	7.5	22	9	28	0.038
	G1/2	3601 14 21	9	24	11	26.5	0.045

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

Related Products

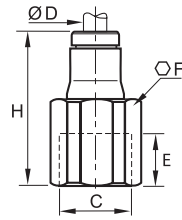
- Polyurethane Tubing
- Polyamide Tubing
- Polyethylene Tubing
- Fluoropolymer Tubing
- Anti-Spark Tubing
- Fireproof PA Tubing
- Brass Flow Control Regulators

Stud Fittings

3614 Stud Fitting, Female BSPP and Metric Thread



FDA chemical nickel-plated brass, FKM

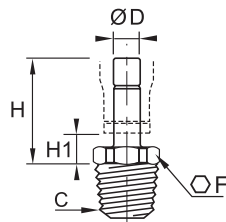


ØD	C		E	F	H	kg
4	M5x0.8	3614 04 19	5	10	22	0.009
	G1/8	3614 04 10	7.5	14	25	0.016
	G1/4	3614 04 13	11	17	29	0.026
6	G1/8	3614 06 10	7.5	14	27.5	0.019
	G1/4	3614 06 13	11	17	31.5	0.028
8	G1/8	3614 08 10	9.5	15	28.5	0.022
	G1/4	3614 08 13	13.5	17	32.5	0.028
10	G3/8	3614 10 17	14	22	38	0.052
12	G3/8	3614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

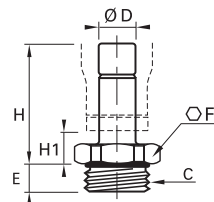


ØD	C		F	H	H1	kg
4	R1/8	3621 04 10	10	21	7	0.006
	R1/4	3621 04 13	14	21	7	0.014
6	R1/8	3621 06 10	10	23.5	6.5	0.008
	R1/4	3621 06 13	14	23.5	6.5	0.016
8	R1/8	3621 08 10	10	24	6.5	0.009
	R1/4	3621 08 13	14	24	6.5	0.017
10	R1/4	3621 10 13	14	22	6.5	0.018
	R3/8	3621 10 17	17	30	7.5	0.022
12	R3/8	3621 12 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

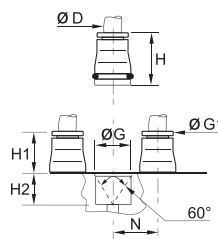


ØD	C		E	F	H	H1	kg
4	M5x0.8	3631 04 19	3.5	13	21.5	7	0.003
	G1/8	3631 04 10	5.5	13	20	7	0.007
	G1/4	3631 04 13	6.5	8	20	7.5	0.011
6	G1/8	3631 06 10	5.5	13	22.5	6.5	0.009
	G1/4	3631 06 13	6.5	16	22.5	6.5	0.012
8	G1/8	3631 08 10	5.5	13	22.5	6.5	0.010
	G1/4	3631 08 13	6.5	16	23	6.5	0.013
	G3/8	3631 08 17	7.5	20	23	7.5	0.018
10	G1/4	3631 10 13	6.5	16	28	6.5	0.015
	G3/8	3631 10 17	7.5	20	28	7.5	0.022
	G1/2	3631 10 21	9	24	28	7.5	0.028
12	G3/8	3631 12 17	7.5	20	29	7.5	0.023
	G1/2	3631 12 21	9	24	29	7.5	0.033
14	G1/2	3631 14 21	9	24	31	8	0.033

3600 One-Piece Cartridge



FDA chemical nickel-plated brass, FKM



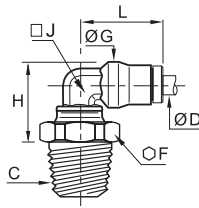
ØD		G	G1	H	H1	H2	N	kg
4	3600 04 00	9.8	8	17	8.5	8.5	11	0.006
6	3600 06 00	12.1	10	19	10.5	8.5	13.5	0.009
8	3600 08 00	14.8	13	21	12.5	8.5	16	0.012
10	3600 10 00	17.5	15	24.5	14	10.5	20	0.019
12	3600 12 00	20	17	25	14.5	10.5	22.5	0.023
14	3600 14 00	22	20	28.5	16.5	12	25	0.031

Stud Fittings

3609 Stud Elbow, Male BSPT Thread



FDA chemical nickel-plated brass, FKM



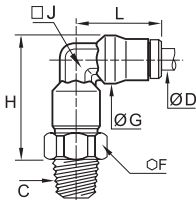
ØD	C		F	G	H	J	L	kg
4	R1/8	3609 04 10	13	10	15	7	18	0.014
	R1/4	3609 04 13	14	10	17	7	18	0.020
6	R1/8	3609 06 10	13	12	17.5	8	21.5	0.018
	R1/4	3609 06 13	14	12	19	8	21.5	0.025
8	R1/8	3609 08 10	13	15	19.5	10	23.5	0.023
	R1/4	3609 08 13	14	15	21	10	23.5	0.029
	R3/8	3609 08 17	17	15	21	10	23.5	0.035
10	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
12	R1/4	3609 12 13	15	19.5	26	15	31	0.049
	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.

3629 Extended Stud Elbow, Male BSPT Thread



FDA chemical nickel-plated brass, FKM



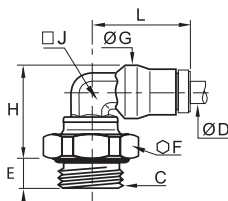
ØD	C		F	G	H	J	L	kg
4	R1/8	3629 04 10	10	10	24.5	7	18	0.025
	R1/8	3629 06 10	13	12	29.5	8	21.5	0.024
6	R1/4	3629 06 13	14	12	30.5	8	21.5	0.031
	R1/8	3629 08 10	14	15	32.5	10	23.5	0.031
8	R1/4	3629 08 13	14	15	34	10	23.5	0.037
	R1/4	3629 10 13	18	17.5	39	12	29	0.054

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	5.5	13	10	17	7	18	0.014
	G1/4	3699 04 13	6.5	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	5.5	13	12	19	8	21.5	0.018
	G1/4	3699 06 13	6.5	16	12	19.5	8	21.5	0.022
8	G1/8	3699 08 10	5.5	13	15	20.5	10	23.5	0.021
	G1/4	3699 08 13	6.5	16	15	21.5	10	23.5	0.027
	G3/8	3699 08 17	7.5	20	15	21.5	10	23.5	0.033
10	G1/4	3699 10 13	6.5	16	17.5	27	12	29	0.037
	G3/8	3699 10 17	7.5	20	17.5	25.5	12	29	0.043
12	G1/4	3699 12 13	6.5	16	19.5	29.5	15	31	0.050
	G3/8	3699 12 17	7.5	20	19.5	28.5	15	31	0.057
14	G1/2	3699 12 21	9	24	19.5	28.5	15	31	0.065
	G3/8	3699 14 17	7.5	20	21.5	29	16	34	0.059
	G1/2	3699 14 21	9	24	21.5	29.5	16	34	0.062

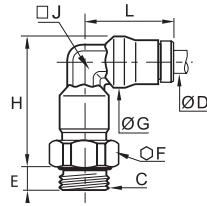
The body swivels for positioning purposes.

Stud Fittings

3669 Extended Stud Elbow, Male BSPP and Metric Thread



FDA chemical nickel-plated brass, FKM



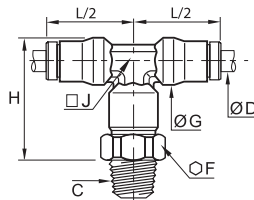
ØD	C		E	F	G	H	J	L	kg
4	M5x0.8	3669 04 19	3.5	10	10	27.5	7	18	0.014
	G1/8	3669 04 10	5.5	13	10	25.5	7	18	0.017
6	G1/8	3669 06 10	5.5	13	12	31	8	21.5	0.024
	G1/4	3669 06 13	6.5	16	12	30.5	8	21.5	0.028
8	G1/8	3669 08 10	5.5	14	15	33.5	10	23.5	0.031
	G1/4	3669 08 13	5.5	16	15	34	10	23.5	0.035
10	G1/4	3669 10 13	6.5	18	17.5	42	12	29	0.052
	G3/8	3669 10 17	7.5	20	17.5	41	12	29	0.056
12	G1/4	3669 12 13	6.5	20	19.5	47	15	31	0.070
	G3/8	3669 12 17	7.5	20	19.5	46	15	31	0.341
14	G1/2	3669 14 21	9	24	21.5	49	16	34	0.094

The body swivels for positioning purposes.

3608 Stud Branch Tee, Male BSPT Thread



FDA chemical nickel-plated brass, FKM



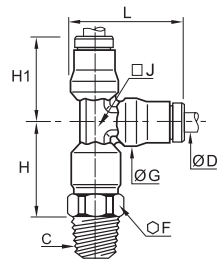
ØD	C		F	G	H	J	L/2	kg
4	R1/8	3608 04 10	10	10	24.5	7	18	0.020
	R1/4	3608 06 13	14	12	30.5	8	21.5	0.038
6	R1/8	3608 06 10	13	12	29.5	8	21.5	0.031
	R1/4	3608 06 13	14	12	30.5	8	21.5	0.038
8	R1/8	3608 08 10	14	15	32.5	10	23.5	0.040
	R1/4	3608 08 13	14	15	34	10	23.5	0.047
10	R1/4	3608 10 13	18	17.5	39	12	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



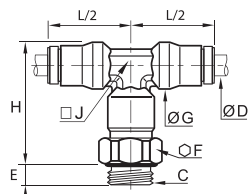
ØD	C		F	G	H	H1	J	L	kg
4	R1/8	3603 04 10	10	10	19.5	18	7	23	0.018
	R1/4	3603 06 13	14	12	24.5	21.5	8	28	0.037
6	R1/8	3603 06 10	13	12	23.5	21.5	8	28	0.031
	R1/4	3603 06 13	14	12	24.5	21.5	8	28	0.037
8	R1/8	3603 08 10	14	15	25	23.5	10	31	0.041
	R1/4	3603 08 13	14	15	26.5	23.5	10	31	0.044
10	R1/4	3603 10 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	5.5	13	10	25.5	7	18	0.021
6	G1/8	3698 06 10	5.5	13	12	31	8	21.5	0.031
	G1/4	3698 06 13	6.5	16	12	30.5	8	21.5	0.035
8	G1/8	3698 08 10	5.5	14	15	33.5	10	23.5	0.041
	G1/4	3698 08 13	6.5	16	15	34	10	23.5	0.045
10	G1/4	3698 10 13	6.5	18	17.5	42	12	29	0.066
12	G3/8	3698 12 17	7.5	20	19.5	46	15	31	0.088
14	G1/2	3698 14 21	9	24	21.5	49	16	34	0.111

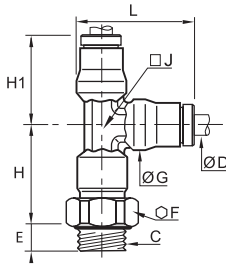
The body swivels for positioning purposes.

Stud Fittings

3693 Stud Run Tee, Male BSPP and Metric Thread



FDA chemical nickel-plated brass, FKM



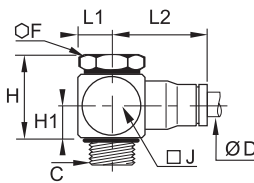
ØD	C		E	F	G	H	H1	J	L	kg
4	M5x0.8	3693 04 19	3.5	10	10	22.5	18	7	23	0.019
	G1/8	3693 04 10	5.5	13	10	20.5	18	7	23	0.021
6	G1/8	3693 06 10	5.5	13	12	25	21.5	8	28	0.031
	G1/4	3693 06 13	6.5	16	12	24.5	21.5	8	28	0.035
8	G1/8	3693 08 10	5.5	14	15	26.5	23.5	10	31	0.041
	G1/4	3693 08 13	6.5	16	15	26.5	23.5	10	31	0.044
10	G1/4	3693 10 13	6.5	18	17.5	33	29	12	37.5	0.066
12	G3/8	3693 12 17	7.5	20	19.5	36.5	31	15	40.5	0.090
14	G1/2	3693 14 21	9	24	21.5	38.5	34	16	45	0.112

The body swivels for positioning purposes.

3618 Single Banjo, Male BSPP and Metric Thread



FKM, FDA chemical nickel-plated brass



ØD	C		F	H	H1	J	L1	L2	kg
4	M5x0.8	3618 04 19	8	14.5	6.5	10	6	18.5	0.011
	G1/8	3618 04 10	14	23	9.5	17	10	20.5	0.029
6	M5x0.8	3618 06 19	8	15	7	10	6	22.5	0.015
	G1/8	3618 06 10	14	23	9.5	17	10	23.5	0.031
8	G1/4	3618 06 13	17	22	9	22	13	25.5	0.049
	G1/8	3618 08 10	14	23	9.5	17	10	26	0.033
10	G1/4	3618 08 13	17	22	9	22	13	27.5	0.051
	G3/8	3618 10 17	22	33	14	22	13	32	0.105

Maximum temperature: +80°C

Each model has been designed to meet specific requirements: compactness due to small overall dimensions, with inter-connectability for customised configurations.

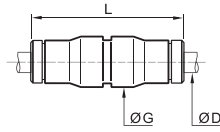


Tube-to-Tube Fittings

3606 Equal Tube-to-Tube Connector



FDA chemical nickel-plated brass, FKM

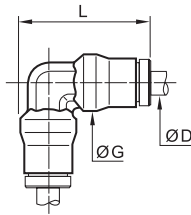


ØD		G	L	kg
4	3606 04 00	10	30.5	0.010
6	3606 06 00	12	36.5	0.016
8	3606 08 00	15	37.5	0.021
10	3606 10 00	17.5	47.5	0.034
12	3606 12 00	19.5	50	0.042
14	3606 14 00	21.5	52.5	0.050

3602 Equal Elbow



FDA chemical nickel-plated brass, FKM

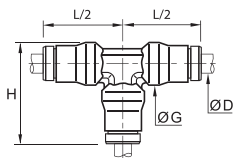


ØD		G	L	kg
4	3602 04 00	10	23	0.010
6	3602 06 00	12	28	0.016
8	3602 08 00	15	31	0.023
10	3602 10 00	17.5	37.5	0.033
12	3602 12 00	19.5	40.5	0.045
14	3602 14 00	21.5	45	0.056

3604 Equal Tee



FDA chemical nickel-plated brass, FKM



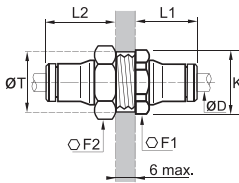
ØD		G	H	L/2	kg
4	3604 04 00	10	23	18	0.014
6	3604 06 00	12	28	21.5	0.023
8	3604 08 00	15	31	23.5	0.032
10	3604 10 00	17.5	37.5	29	0.048
12	3604 12 00	19.5	40.5	31	0.063
14	3604 14 00	21.5	45	34	0.078

Bulkhead Connector Fittings

3616 Equal Bulkhead Connector



FDA chemical nickel-plated brass, FKM

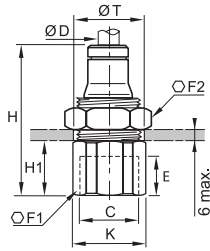


ØD		F1	F2	K	L1	L2	ØT min	kg
4	3616 04 00	13	14	14	14	20	12.5	0.018
6	3616 06 00	16	17	17.5	17	22	15	0.028
8	3616 08 00	18	19	19.5	18.5	23.5	17	0.036
10	3616 10 00	22	27	24	21.5	26.5	21	0.063
12	3616 12 00	24	24	26	23	27	23	0.062
14	3616 14 00	27	27	29.5	25.5	29.5	25	0.079

3636 Bulkhead Connector, Female BSPP Thread



FDA chemical nickel-plated brass, FKM

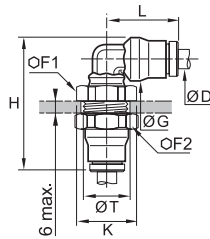


ØD	C		E	F1	F2	H	H1	K	ØT min	kg
4	G1/8	3636 04 10	8.5	14	14	30.5	11	15	13	0.020
6	G1/8	3636 06 10	8.5	17	17	33	11	18.5	15	0.033
	G1/4	3636 06 13	11.5	17	17	37	15	18.5	15	0.033
8	G1/8	3636 08 10	8.5	19	19	34	10.5	21	17	0.044
	G1/4	3636 08 13	11.5	19	19	38	14.5	21	17	0.044
10	G3/8	3636 10 17	12	22	27	42.5	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

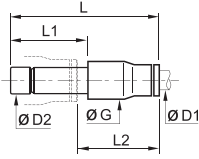
The body swivels for positioning purposes.

Plug-In Accessories

3666 Plug-In Reducer



FDA chemical nickel-plated brass, FKM

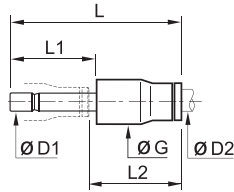


ØD1	ØD2		G	L	L1	L2	kg
4	6	3666 04 06	10	35	19.5	18	0.008
	8	3666 04 08	10	35.5	20	18	0.009
6	8	3666 06 08	12	38	20	20.5	0.012
	10	3666 06 10	12	43.5	25	21	0.015
8	10	3666 08 10	15	44	25	21.5	0.016
	12	3666 08 12	15	44	26	20.5	0.018
10	12	3666 10 12	17.5	50	26	27	0.026
12	14	3666 12 14	19.5	53	28	28.5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

3667 Plug-In Metric/Inch Adaptor



FDA chemical nickel-plated brass, FKM

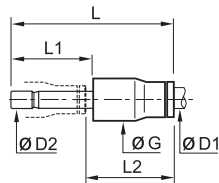


ØD1	ØD2		G	L	L1	L2	kg
6	1/4	3667 06 56	12.5	38.5	19.5	21	0.012
10	3/8	3667 10 60	17	49.5	25	27	0.026
12	1/2	3667 12 62	20	51	26	27.5	0.030

3668 Plug-In Increaser



FDA chemical nickel-plated brass, FKM

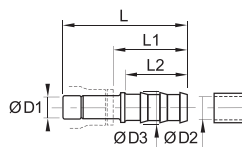


ØD1	ØD2		G	L	L1	L2	kg
6	4	3668 06 04	12	36	17	21.5	0.010

3622 Plug-In Barb Connector



FDA chemical nickel-plated brass

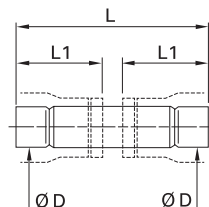


ØD1	ØD2		ØD3	L	L1	L2	kg
4	3.2	3622 04 53	5	40.5	27	22.5	0.003
	5	3622 04 05	7	40.5	27	22.5	0.005
6	5	3622 06 05	7	43	27	22.5	0.006
	6.3	3622 08 56	8.3	42	25	22.5	0.008
8	8	3622 08 08	10	44	27	22.5	0.010
	6.3	3622 10 56	8.3	47.5	25.5	22.5	0.011
10	8	3622 10 08	10	47.5	25.5	22.5	0.011
	8	3622 12 08	10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

3620 Male Stem Connector



FDA chemical nickel-plated brass



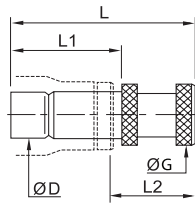
ØD		L	L1	kg
4	3620 04 00	31	14	0.002
6	3620 06 00	36.5	17	0.005
8	3620 08 00	37.5	17.5	0.007
10	3620 10 00	47.5	22.5	0.011
12	3620 12 00	49.5	23.5	0.015
14	3620 14 00	53	25	0.016

Accessories

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

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.

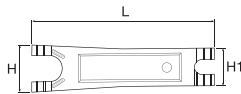
Supplied on a reel, length = 12 m, width = 12.7 mm, thickness 0.08 mm.

3000 70 Dismounting Tool

Treated steel



H H1 L kg



[3000 70 00](#)

25 20 96 0.021

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

3610 Coloured Release Button Covers

Anodised aluminium

ØD



kg



6	3610 06 00	3610 06 04	0.004
8	3610 08 00	3610 08 04	0.007
10	3610 10 00	3610 10 04	0.011
12	3610 12 00	3610 12 04	0.013
14	3610 14 00	3610 14 04	0.016

Red and green colours are available upon request.

Coloured release buttons covers help the identification of circuits and will protect your connections against spark projections.

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.
- Electrocution 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.

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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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