



Parker Legris: Connecting You to the Best in Technology

Catalog 3500LEG | February 2019



ENGINEERING YOUR SUCCESS.



OTSEGO, MICHIGAN



TIJUANA, MEXICO



ALBION, INDIANA



LAKEVIEW, MICHIGAN



KENT, OHIO



MESA, ARIZONA

⚠ WARNING – USER RESPONSIBILITY

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Offer of Sale

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated on the separate page of this document entitled "Offer of Sale".

Safe Drinking Water Act

In accordance with 42 USC § 300g-6, parts in this catalog are to be used exclusively for nonpotable services such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption. The only exceptions are parts described explicitly as "low lead" or suitable for potable water.

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Parker Hannifin Corporation
Fluid Connectors Group
Otsego, Michigan



MESA, ARIZONA



TIJUANA, MEXICO

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Directives and Regulations: the Parker Legris Offer

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



European RoHS directives: 2015/863
Relating to the limitation of the use of 10 hazardous substances in electrical and electronic equipment (Lead, Mercury, Cadmium, Hexavalent Chromium, PBB, PBDE, Bis Phthalate, BBP, DBP and DIBP).



NSF 61: NSF / ANSI-61
Fittings and tubes complying with this standard are tested and approved by NSF for contact with drinking water.



REACH regulation: no. 1907/2006
As product manufacturer, we are subject to article 33 of the regulation which defines a duty to inform when a candidate substance is present at more than 0.1% weight for weight.



ACS: Attestation de Conformité Sanitaire (France)
Official approval issued by the Direction générale de la Santé Française (French Health Directorate), applies to constituent materials of equipment in contact with water intended for human consumption.



Pressurised equipment directive: 97/23/EC
This directive regulates the design, manufacture and assessment of pressurised equipment to ensure operating safety.



KTW: Kunststoffe und Trinkwasser (Germany)
Guidelines for the health evaluation of equipment in contact with drinking water, assessment and certification carried out by the TZW.



ATEX directive: 94/9/EC mandatory since 01/07/2003
This directive is mandatory for electrical and non-electrical equipment used in explosive gaseous or dusty atmospheres. The use of our products in these areas must be determined in accordance with the ATEX environment.



W270: Food contact standard (Germany)
Standard describing a test method for determining the microbial growth on non-metal materials designed to come into contact with drinking water. Test and certification carried out by the TZW.



Regulation 1935/2004
This framework regulation relates to materials and objects designed to come into contact with foodstuffs. It describes specific measures per product group (Art. 5).



WRAS: Water Regulations Advisory Scheme (UK)
Fittings approved by this programme are declared compliant for water supply by WRc - NSF.



CFR 21: Code of Federal Regulation
Title 21: Food and Drugs
This code consists of lists of prohibited substances for materials intended to come into contact with foodstuffs.



DM 174: Ministerial decree (Italy)
Declaration of hygiene compliance for equipment used for drinking water, tested and certified by the TIFQ.



NSF 51: NSF / ANSI-51
Fittings and tubes complying with this standard are tested and approved by NSF for contact with drinks and foodstuffs.



Our Services Contribute to Your Performance

Our services integrate easily into your processes. Whether during the design phase, for promotion, or for administrative, business, or stock management of your components, our skills are here for you to use.

Product Management

Helps facilities better organize their inventory.



EDI Transmission

Implementation of computerised data exchange.



Improved Stock Management

Packaging, bar codes and customised labels according to your needs.



Technical Specifications

All the technical data for our products is available on-line.



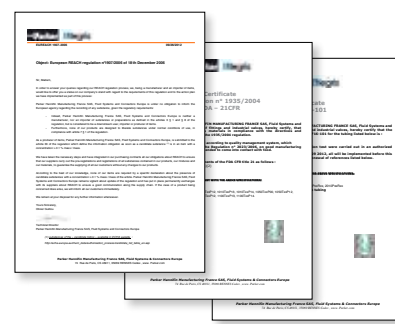
2D and 3D Drawings

The CAD drawings of our products are available on-line in the 21 main formats used by the industry (Solidworks, Autocad, Pro/E, etc.).



Certificates and Regulations

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



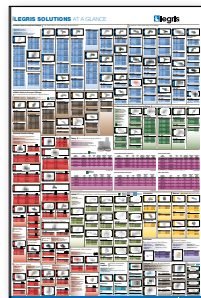
e-Tools

Requests for quotations, stock availability, energy-saving calculators, searching for cross-references, etc. are available on-line.



Communication Tools

We can provide you with promotional sales material you require: catalogs, brochures, wall charts, etc.



e-Catalog

Integration of our product data into your information systems (e-procurement, e-commerce site, etc.).



Together, We Can Build Sustainable Development

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



Protecting natural resources

By saving energy through the performance of our production facilities.

Improving performance

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

Asserting our values for the protection of the environment

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

Our actions are coupled with your environmental process

Reducing the impact on industrial sites

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

Offering ecologically responsible products

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

Providing information on the PEP (Product Environmental Profile)

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

Getting ahead of regulations

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

Using our technology reduces the environmental impact

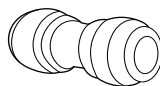
LIQUIfit®

Tube-to-Tube Connector



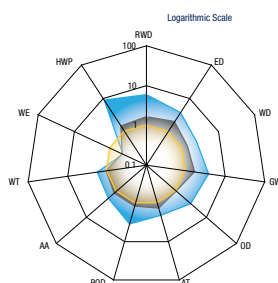
Market Standard

Tube-to-Tube Connector



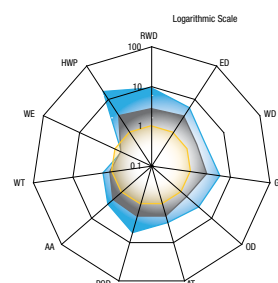
- Parker Legris
- Market Standard in PP
- Market Standard in POM

Stud Elbow



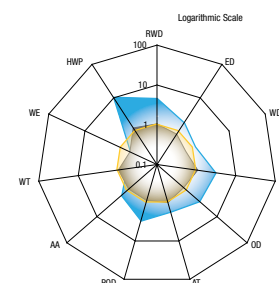
RWD: Raw Material Depletion
ED: Energy Depletion
WD: Water Depletion
GW: Global Warming

Tube-to-Tube Connector



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

Stud Fitting



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





MEETING STRINGENT SANITARY AND ASEPTIC STANDARDS IN FOOD PROCESSING AND PACKAGING

Connecting you to reduced downtime, increased throughput, and lower maintenance costs

Market research firm RTS Resource says natural highs, one-step convenience, foraged ingredients, flavor-full benefits, and next generation proteins are the five key food and drink trends to watch in the future.

Innova Market Insights has also highlighted the key issues of reducing waste and regaining consumer trust as top food industry trends to look out for. Plus the need for food safety will remain paramount.

FOOD PROCESSING AND PACKAGING

APPLICATIONS

Mixing | Baking | Cooling | Packaging | Filling | Washing | Labeling | Conveying

PERFORMANCE EXPECTATIONS

- FDA compliance
- Hygienic design
- Compact
- Highly reliable
- Vacuum capability
- Wide range of chemical compatibility
- Ability to withstand high temperatures
- Detectability
- Quality traceability



APPLICABLE PRODUCTS

- LF3600 Electroless Nickel Plated Brass Fittings
- LF3800 Stainless Steel Fittings
- LIQUIfit™ Fittings
- Flow Controls
- Stainless Steel Flow Controls



ENGINEERING DURABILITY

Withstanding harsh washdown chemicals



Situation: A food processing equipment manufacturer was receiving customer complaints about fittings that degraded when exposed to harsh washdown chemicals in food processing plants.

Solution: Parker Legris LF3000 Composite fittings. Manufactured from an engineered grade of glass-filled nylon, the fittings withstood exposure to the aggressive washdown chemicals. Additionally, the compact fittings, available in a wide variety of configurations, maintained full airflow throughout the system, which allowed the equipment designers to optimize the routings.

Benefits: Reduced warranty service • Reduced component quantity • Reduced energy consumption due to full-flow design





COLLABORATING FOR LEAK-FREE INNOVATION IN LIFE SCIENCE

Connecting you to higher productivity,
increased efficiency, and faster assembly



According to Deloitte, a changing health care landscape, expiring patents, generic competition, pricing pressures, heightened regulatory scrutiny, expansion into emerging markets, increasing alliances and acquisitions, and a persistent economic slowdown are prompting global life sciences companies to adopt new business models designed to counter slowing sales growth and declining profitability, deliver better patient outcomes at lower cost, and position them for success.

APPLICATIONS

Oxygen Transfer | Fluid Transfer | Dispensing | Cleaning and Sterilization | Pneumatic Circuits



PERFORMANCE EXPECTATIONS

- Quality traceability
- Cleanliness
- Compact design
- Suitable for use with O₂
- High reliability
- Installation flexibility

APPLICABLE PRODUCTS

- LF3600 Electroless Nickel Plated Brass Fittings
- LF3800 Stainless Steel Fittings
- LIQUIfit™ Fittings
- Stainless Steel Flow Controls



ENGINEERING INTEGRATED ASSEMBLIES

Single-piece solution simplifies, speeds, and economizes



Situation: A major medical OEM was using a very labor-intensive, six-step assembly process for an oxygen service connection.

Solution: Working with a distributor, Parker Legris developed a customized, single-piece filtering cartridge, cleaned for oxygen use. The OEM was able to eliminate five components and five assembly steps, saving \$19.88 per unit. With 3,000 units annually, the OEM was able to reduce total costs by \$59,640.

Benefits: Reduced assembly time and installation labor costs • Reduced type and quantity of components • Reduced potential leak points • Reduced total product costs





IN WATER AND BEVERAGE: KEEPING IT CLEAN, KEEPING IT SAFE

Connecting you to leak-free innovation,
smaller footprints, and faster assembly

According to Innova Market Insights, now is the time for the small innovator who develops a distinct product. These products' small-scale appeal will be accompanied by big trend potential accelerated by social media platforms. A more holistic approach to nutritious beverage solutions is another trend. These "well drink" trends will include more function in functional beverages, better sweetened drinks, and healthy alcohol-based beverages.

APPLICATIONS

Filtration | Purification | Processing | Dispensing | Bottling | Treatment | Aeroponics

PERFORMANCE EXPECTATIONS

- Manufactured from FDA-compliant materials
- Meet NSF-61 requirements for potable water contact
- Excellent chemical resistance
- Wide range of fluid compatibility
- Mechanical resistance
- Installation flexibility
- Quality traceability



APPLICABLE PRODUCTS

- Check Valves
- LIQUIfit™ Fittings
- LIQUIfit™ Ball Valves



NEW LOW LEAD AMENDMENT

What it means for you



Effective January 4, 2014, all products in contact with drinking water were limited to a maximum lead content of 0.25% for all wetted components. The new rule, which mostly replicated California's regulation governing lead in drinking water, impacts virtually every component of a water treatment and distribution system, as well as services and applications that provide water suitable for human ingestion (think food preparation, beverage manufacturing, and dishwashing, for example).

Products excluded from the lead rule include those used exclusively for nonpotable services such as manufacturing, industrial processing, and irrigation.

Leaded components already in use by the January 4, 2014 deadline are grandfathered in. Repairs can be made in place, but once a leaded component is removed for any reason, it must be replaced with a lead-free component.

Parker Fluid System Connectors is committed to growing its "lead free" product offerings in both brass and nylon product ranges. Our existing low lead products – LIQUIfit™, TrueSeal™, and Green Brass – are available in a range of styles and are:

- Suitable for high-pressure brewing and dispensing at temperatures up to 400° F
- Flavor-neutral
- Designed for harsh commercial environments
- More cost effective than other metals, including stainless steel
- Manufactured in United States



IMPROVING DURABILITY, LESSENING RISK IN PETROCHEMICAL MANUFACTURING

Connecting you to higher productivity,
faster assembly, and leak-free innovation

The Institute for Trend Research predicted 2014 would be a growth year for North American petrochemical manufacturers. Abundant gas, tight oil, and potential energy self-sufficiency would spur investments in the U.S. and Canada. Overseas opportunities from emerging countries would also increase. This very strong growth is predicted to continue the following year. As a result, companies should focus now on cutting costs, right-sizing, creating new products, and hiring good people to take advantage of the upswing.

APPLICATIONS

Processing | Transferring | Pneumatic Circuits | Cooling | Measuring



PERFORMANCE EXPECTATIONS

- High chemical resistance
- Robust design
- Excellent chemical compatibility
- Wide temperature range
- Quality traceability

APPLICABLE PRODUCTS

- LF3600 Electroless Nickel Plated Brass Fittings
- LF3800 Stainless Steel Fittings
- Stainless Steel Flow Controls



TrueSeal™ Kynar® Thermoplastic Fittings



Polyvinylidene fluoride, or PVDF – also known as Kynar – is a fluorocarbon that has excellent abrasion resistance, dielectric properties, and mechanical strength. In the area of chemical compatibility, Kynar is highly resistant to wet or dry chlorine, bromine, and other halogens, alcohols, strong acids, aliphatics, aromatics, and chlorinated solvents.

That makes our TrueSeal Kynar fittings an excellent choice for chemical processing, as well as manufacturing involving exposure to chlorine, solvents, and UV-sensitive chemicals.

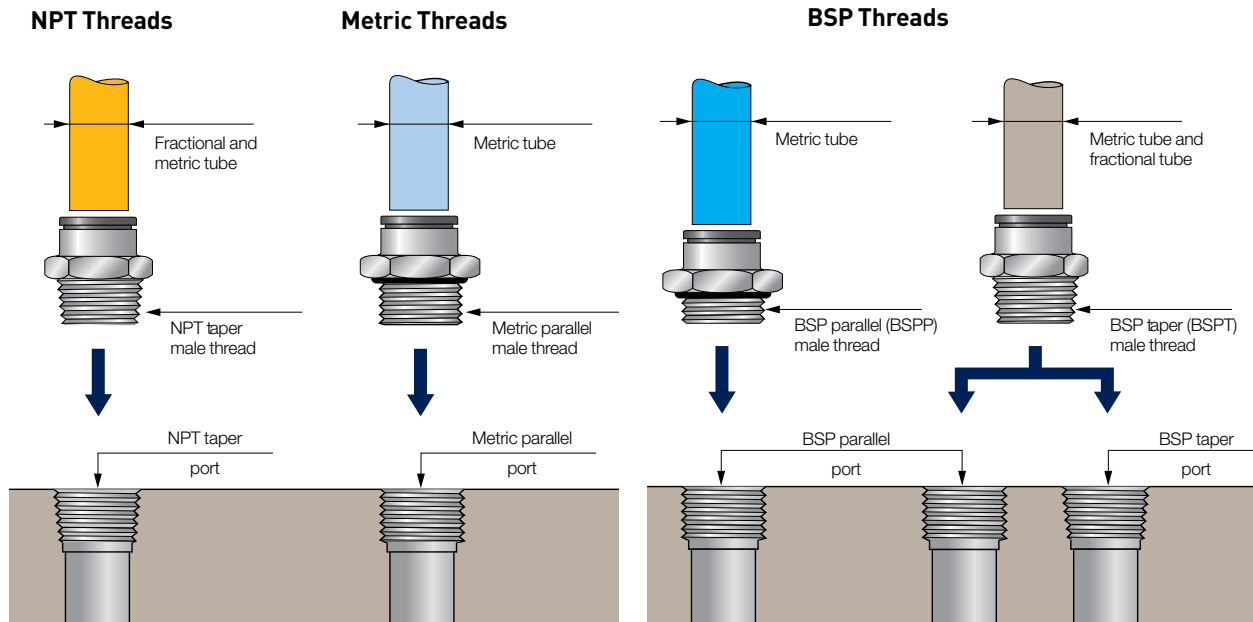


Kynar® is a registered trademark of Arkema Group.



Parker Hannifin Corporation | Fluid System Connectors | Otsego, MI

Fitting Threads



NPT Threads (National Pipe Thread)

This is an American standard taper thread which fits into the matching taper port. Sealing is provided by a pre-applied thread sealant on the thread. Example: 1/8 NPT thread = 1/8 NPT

Metric Threads

These ISO-profile threads are parallel and are fit into the matching parallel port. Sealing is provided by an O-ring or a sealing washer.

Thread designation

- M depending on the diameter and pitch in millimetres, separated by a multiplication sign, in accordance with standards ISO 68-1 and ISO 965-1.

Example: metric thread diameter 7 with a pitch of 1 mm = M7x1

BSP Threads (British Standard Pipe)

There are two types of "Pipe" profile threads:

- **Parallel (BSPP):** these threads fit in matching parallel ports. Sealing is provided by an O-ring gasket or a sealing washer.
- **Taper (NPT & BSPT):** these threads fit in matching parallel or taper ports. Sealing is provided by a pre-applied thread sealant on the thread.

Thread designation

- **BSP Parallel (BSPP):**

G followed by the denomination, according to standard ISO 228-1.
Example: 1/8 BSP parallel thread = G1/8

- **BSP Taper (BSPT):**

R followed by the denomination, according to standard ISO 7-1.
Example: 1/8 BSP taper (BSPT) thread = R1/8

- **Female threads:**

BSP parallel: G followed by the designation
BSP taper: R followed by the designation

Thread Identification

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

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

Practical Information

threaded connections

NATIONAL PIPE THREAD				
Nominal Thread Size	Threads Per Inch	Max. Torque (inch pounds)	Handtight Engagement	Thread O.D. at Small End
10-32UNF	32	13	Seals Flush	0.187" (4.75mm)
1/16	27	—	0.28" (7.1mm)	0.271" (6.8mm)
1/8	27	70	0.37" (9.4mm)	0.363" (9.2mm)
1/4	18	100	0.49" (12.4mm)	0.477" (12.1mm)
3/8	18	250	0.627" (15.9mm)	0.612" (15.5mm)
1/2	14	308	0.778" (19.7mm)	0.758" (19.2mm)

BRITISH STANDARD PIPE			
Nominal Thread Size	Threads per inch	Male Parallel Thread O.D.	Female Parallel Thread I.D.
1/8	28	0.375" (9.5mm)	0.344" (8.7mm)
1/4	19	0.531" (13.5mm)	0.438" (11.1mm)
3/8	19	0.656" (16.7mm)	0.534" (13.6mm)
1/2	14	0.813" (20.6mm)	0.719" (18.3mm)

METRIC THREAD					
Metric Thread Size	Male Thread O.D. (mm)	Metric Thread Size	Male Thread O.D. (mm)	Metric Thread Size	Male Thread O.D. (mm)
M3 x 0.5	3	M13 x 1.25	13	M26 x 1.50	26
M5 x 0.75	5	M14 x 1	14	M27 x 1.50	27
M6 x 0.75	6	M14 x 1.25	14	M27 x 2	27
M6 x 1	6	M14 x 1.50	14	M30 x 1.50	30
M7 x 0.75	7	M15 x 1.25	15	M30 x 2	30
M7 x 1	7	M15 x 1.50	15	M33 x 1.50	33
M8 x 1	8	M16 x 1.25	16	M33 x 2	33
M8 x 1.50	8	M16 x 1.50	16	M24 x 2	24
M9 x 0.75	9	M17 x 1.25	17	M36 x 2	36
M9 x 1	9	M18 x 1.25	18	M39 x 2	39
M10 x 1	10	M18 x 1.50	18	M52 x 2	52
M10 x 1.25	10	M20 x 1.50	20	M42 x 2	42
M10 x 1.50	10	M21 x 1.50	21	M45 x 2	45
M11 x 1	11	M22 x 1.50	22	M48 x 2	48
M12 x 1	12	M23 x 1.50	23	M52 x 2.50	52
M12 x 1.25	12	M24 x 1.50	24		
M12 x 1.50	12	M25 x 1.50	25		

NPT



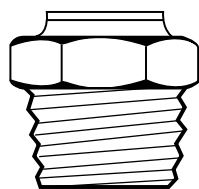
BSPT



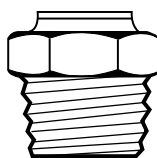
When looking at a Legris fitting or adapter, there is a ring groove at the end of the thread to identify NPT threads. If the end of the base is smooth, the thread is BSPT. This applies to all threaded fittings, adapters and right angle flow control valves.

threaded profiles – ACTUAL SIZE

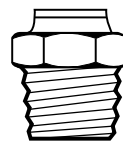
NPT



1/2"



3/8"

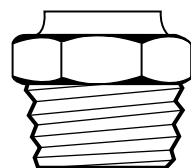


1/4"

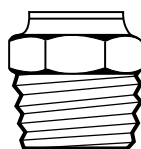


1/8"

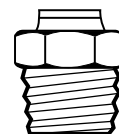
BSPT



R1/2"



R3/8"

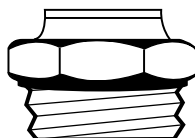


R1/4"



R1/8"

BSPP



G1/2"



G3/8"



G1/4"



G1/8"

Metric/UNF



M7



M5



M3



10-32 UNF

Product Selection Table

Push-to-Connect Fittings	Materials	Fluids	Maximum Pressure psi (bar)	Temperature	Tubing Size
				Fahrenheit (Celsius)	inch (millimeter)
LF3000®	Glass-reinforced nylon 6.6/brass/NBR	Compressed air	290 (20)	-4° to 176°F (-20° to 80°C)	1/8" to 1/2" (3 to 14)
LF3600	Chemical nickel-plated brass FDA/FKM	All liquids and gases	435 (30)	-4° to 302°F (-20° to 150°C)	1/8" to 1/2" (4 to 14)
LF3800	316L - 303 stainless steel/FKM	All fluids	290 (20)	-4° to 245°F (-20° to 118°C)	1/8" to 1/2" (4 to 14)

Water & Beverage

LIQUIfit®	Bio-based nylon 11/EPDM	Drinking water, treated water, beverages	230 (16)	34° to 200°F (1° to 93°C)	1/4" to 1/2" (NA)
TrueSeal Acetal	Acetal	All liquids and gases	300 (21)	-20° to 180°F (-29° to 85°C)	1/4" to 1/2" (NA)
TrueSeal PPL	Polypropylene	All liquids and gases	150 (10)	0° to 225°F (-18° to 110°C)	1/4" to 1/2" (NA)
TrueSeal Kynar	Kynar	All liquids and gases	300 (21)	0° to 275°F (-18° to 135°C)	1/4" to 1/2" (NA)
Fast & Tite PPL	Polypropylene	All liquids and gases	300 (21)	0° to 212°F (-18° to 100°C)	1/4" to 5/8" (NA)
Fast & Tite Nylon	Nylon	All liquids and gases	300 (21)	-40° to 200°F (-40° to 93°C)	1/8" to 5/8" (NA)
Par-Barb PPL	Polypropylene	All liquids and gases	125 (9)	10° to 220°F (-12° to 104°C)	1/8" to 3/4" (NA)
Par-Barb Nylon	Nylon	All liquids and gases	125 (9)	-40° to 200°F (-40° to 93°C)	1/8" to 1-1/2" (NA)
LIQUIfit Ball Valves	Polypropylene	All liquids and gases	150 (10)	35° to 200°F (1° to 93°C)	1/4" to 3/8" (NA)
TrueSeal Ball Valves	Polypropylene	All liquids and gases	150 (10)	0° to 225°F (-18° to 107°C)	1/4" to 3/8" (NA)
Par-Barb Ball Valves	Polypropylene	All liquids and gases	150 (10)	-40° to 200°F (-40° to 93°C)	1/4" to 3/8" (NA)
Check Valves	Acetal	All liquids and gases	150 (10)	34° to 150°F (1° to 65°C)	1/4" to 3/8" (NA)

Cartridges

LF3000®	Glass-reinforced nylon 6.6/brass	Compressed air	290 (20)	-4° to 176°F (-20° to 80°C)	1/8" to 1/2" (4 to 14)
LIQUIfit®	Bio-based nylon 11/EPDM	Drinking water, treated water, beverages	230 (16)	34° to 200°F (1° to 93°C)	1/4" to 1/2" (4 to 12)
LF3600	Chemical nickel-plated brass FDA/FKM	All liquids and gases	435 (30)	-4° to 302°F (-20° to 150°C)	1/8" to 1/2" (4 to 14)
LF3800	316L - 303 stainless steel/FKM	All fluids	290 (20)	-4° to 245°F (-20° to 118°C)	1/8" to 1/2" (4 to 14)

Function Fittings

Nylon Flow Control	Glass-reinforced nylon 6.6/nickel-plated brass	Compressed air	145 (10)	32° to 158° F (0° to 70°C)	1/8" to 3/8" (4 to 14)
Metal Flow Control	Treated brass/nickel-plated brass	Compressed air	145 (10)	32° to 158° F (0° to 70°C)	5/32" to 3/8" (4 to 14)
Stainless Steel Flow Control	316L stainless steel	Compressed air	145 (10)	32° to 158° F (0° to 70°C)	NA (NA)
Blocking Valve	Nickel-plated brass	Compressed air	145 (10)	-4° to 158° F (-20° to 70°C)	1/4" to 1/2" (6 to 12)
Piloted Non-Return Valve	Glass-reinforced nylon 6.6	Compressed air	145 (10)	23° to 140° F (-5° to 60°C)	NA (6 to 12)
Check Valve	Glass-reinforced nylon 6.6/nickel-plated brass	Compressed air	145 (10)	32° to 158° F (0° to 70°C)	5/32" to 3/8" (4 to 12)
Stainless Check Valve	316L stainless steel	Compressed air	580 (40)	-4° to 356° F (-20° to 180°C)	1/8" to 1/2" (NA)
Threshold Sensor	Glass-reinforced nylon 6.6	Compressed air	116 (8)	5° to 140° F (-15° to 60°C)	1/8" to 1/2" (NA)
Slow Start Valve	Glass-reinforced nylon 6.6/nickel-plated brass	Compressed air	145 (10)	5° to 140° F (-15° to 60°C)	1/4" to 3/8" (8 to 12)
Quick Exhaust	Nickel-plated brass	Compressed air	150 (10)	0° to 160° F (-18° to 71°C)	1/8" to 1/2" (NA)
Pressure Regulator	Glass-reinforced nylon 6.6/nickel-plated brass	Compressed air	116 (8)	14° to 158° F (-10° to 70°C)	5/32" to 3/8" (4 to 10)
Manually Operated Valve	Glass-reinforced nylon 6.6/nickel-plated brass	Compressed air	230 (16)	15° to 175° F (-10° to 80°C)	5/32" to 3/8" (4 to 10)

Compression Fittings	Materials	Fluids	Maximum Pressure psi (bar)	Temperature	Tubing Size
				Fahrenheit (Celsius)	inch (millimeter)
Brass Fittings	Brass	Compressed air, industrial fluids	550 (38)	-40° to 482°F (-40° to 250°C)	1/8" to 1/2" (3 to 14)

Industrial Valves

Universal Ball Valves	Nickel-plated brass	Compressed air, industrial fluids	580 (40)	-40° to 176°F (-40° to 80°C)	NA (NA)
Mini Series Ball Valves	Glass-reinforced nylon 6.6/ nickel-plated brass	Compressed air	145 (10)	-4° to 176°F (-20° to 80°C)	5/32" to 3/8" (4 to 12)
Standard Series Ball Valves	Nickel- or chromium-plated brass	All industrial fluids	435 (30)	-4° to 266°F (-20° to 130°C)	NA (NA)
Stainless Steel Series Ball Valves	316L stainless steel	All fluids	580 (40)	-4° to 302°F (-20° to 150°C)	NA (NA)
Axial Valves	Nickel-plated brass	Compressed air	150 (10)	-4° to 275°F (-20° to 135°C)	NA (NA)

Industrial Blowguns

Nylon	Glass-reinforced nylon 6.6	Compressed air	145 (10)	5° to 120°F (-15° to 49°C)	NA (NA)
Metal	Nickel-plated brass, black powder coated	Industrial fluids	150 (10)	-19° to 174°F (-28° to 79°C)	NA (NA)

Quick-Acting Couplers

C9000 Safety Couplers	Glass-reinforced nylon 6.6	Compressed air	230 (16)	-4° to 140°F (-20° to 60°C)	NA (NA)
Metal Quick-Acting Couplers	Zinc-plated steel	Compressed air, compatible fluids	250 (17)	-40° to 250°F (-40° to 121°C)	NA (NA)

Adaptors and Manifolds

Brass Adaptors with sealing washer	Brass	Compressed air	200 (14)	-4° to 176°F (-20° to 80°C)	NA (NA)
Brass Adaptors without sealing washer	Brass	Compressed air	200 (14)	-40° to 302°F (-40° to 150°C)	NA (NA)
Nickel-Plated Brass Adaptors	Nickel-plated brass	Compressed air	870 (60)	14° to 176°F (-10° to 80°C)	NA (NA)
Stainless Steel Adaptors	316L stainless steel	All fluids	200 (14)	-4° to 356°F (-20° to 180°C)	NA (NA)
Manifolds	Anodised aluminium	Compressed air	290 (19)	14° to 176°F (-10° to 80°C)	1/8" to 3/8" (4 to 12)

Tubing

Nylon	Semi-rigid nylon	Compressed air, industrial fluids	375 (26)	-65° to 200°F (-54° to 93°C)	1/8" to 1/2" (4 to 16)
Nylon Coil Tubing	Nylon material	Compressed air, industrial fluids	250 (17)	-40° to 176°F (-40° to 80°C)	1/4" and 5/16"
Polyurethane	Polyurethane 95A durometer	Compressed air, industrial fluids	233 (16)	-40° to 165°F (-40° to 74°C)	1/8" to 1/2" (4 to 16)
Polyurethane Mini Coil Tubing	Polyurethane 95A durometer	Compressed air, industrial fluids	233 (16)	-40° to 165°F (-40° to 74°C)	1/8" to 3/8"
Polyurethane Coil Tubing	Polyurethane 95A durometer	Compressed air	150 (10)	-40° to 165°F (-40° to 74°C)	5/16" and 3/8"
Polyethylene	Low density polyethylene (LLDPE)	Compressed air, industrial fluids	190 (13)	-80° to 151°F (-62° to 66°C)	5/32" to 1/2" (4 to 12)

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.

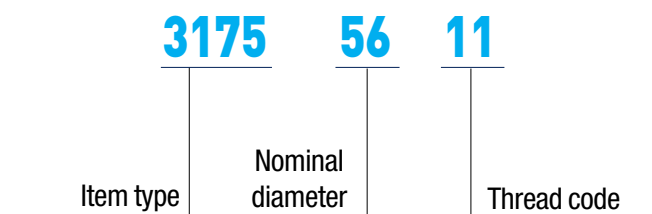
Fittings and Valves

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 second nominal diameter (2 digits)
- a suffix, if applicable

Fittings

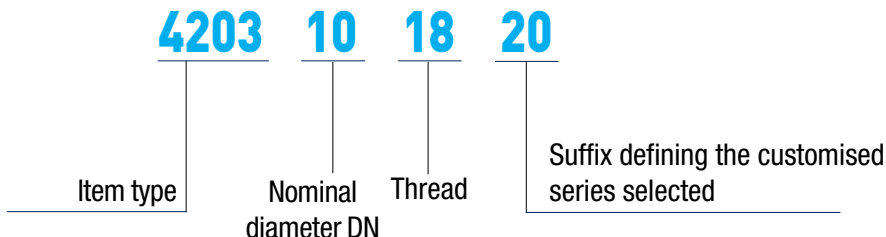


Nominal diameter code: equates to the outside diameter of the tube.

Thread code: see tables page 14.

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

Valves



Nominal diameter code: equates to the bore diameter of the valve.

Thread code: see tables page 14.

Push-to-Connect Fittings

Section A

LF3000®
LF3600

LF3800
LIQUIfit®



Water & Beverage

Section B

LIQUIfit®
TrueSeal™

Fast & Tite®
Par-Barb®



Cartridges

Section C

LF3000
LIQUIfit®
Metal



Function Fittings

Section D

Flow Control Regulators
Pilot Function Fittings
Non-Return Valves

Pressure Fittings
Other Function Fittings



Compression Fittings

Section E

Brass Compression Fittings
Complementary Fittings



Adaptors, Barbs and Accessories

Section F

Adaptors:
Brass,
Nickel-Plated Brass,
Stainless Steel

Dubl-Barb Fittings
Hose Barb Fittings
Manifolds
Storage



Quick-Acting Couplers

Section G

Nylon Safety C9000
Industrial Interchange



Industrial Blowguns

Section H

Nylon
Metal



Industrial Valves

Section J

Ball Valves
LIQUIfit®
Axial Valves



Tubing

Section K

Flexible Tubing
Coiled Tubing
Accessories





Pneumatic: Push-to-Connect

LF3000®

Banjo Fittings

Modular Plug-In
Connectors

Self Sealing and
Oscillating Fittings

LF3600

LF3800





Principle and Advantages of the Push-to-Connect Fitting

The push-to-connect fitting is the simplest way of connecting tubes to a fitting in order to create a fluid distribution network. Due to its quick installation, versatility and exceptional lifespan, the push-to-connect fitting improves machine efficiency.

Connection:

- Manual connection and disconnection without the use of tools
- Release button available in 5 colors, to identify different circuits



Assembly:

All straight connectors are fitted with an internal hex for ease of assembly with the use of an Allen wrench. This enables assembly in confined spaces.

Threads

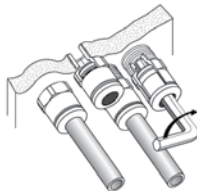


NPT, NPTF,
BSPT and UNF



BSPP
and metric

Close Porting Assembly



Internal hex allows ease of assembly in tight places.

Sealing and 100% Leak-Tested:

The quality of the sealing material, selected specifically for the application, ensures excellent longevity of the fitting.

Quality of Design

- Unique and patented sealing technology
- Rigorous selection of materials:
NBR: ideally suited for compressed air
EPDM: perfectly suited for food and beverage
FKM: all fluids and high temperatures
- 100% leak-tested in the production process

Benefits of Use

- Perfectly suited to primary vacuum
- Full bore for optimum flow
- Optimum gripping of tube

Gripping Ring Technology



- Ideal for nylon tubing
- Excellent tube guidance
- Optimum sealing
- Compact solution

Gripping with Collet



- For nylon and grooved metal tubing (groove drawings available on request)
- Resistant to high pressure, excellent lifespan
- Robust solution for harsh environments

LF3000® Push-to-Connect Fittings

p. A4

**Fluids:** compressed air**Materials:** glass-reinforced nylon 6.6 body, nickel plated brass, NBR**Pressure:** Gripping ring technology: vacuum to 290 psi maximum (20 bar)**Collet technology:** (3/16): vacuum to 260 psi (18 bar) maximum

*depending on tubing used

Temperature: -4° to 175° F (-20° to 80° C), gripping ring 5° to 155° F (-15° to 68° C), collet technology**Fractional Inch Tube:** 1/8 to 1/2**Metric Tube:** 4mm to 16mm**LF3600 Push-to-Connect Fittings**

p. A47

**Fluids:** compressed air, all liquid and gaseous fluids**Materials:** high phosphorus nickel-plated brass, FKM**Pressure:** vacuum to 435 psi (30 bar) maximum

*depending on tubing used

Temperature: -4° to 250° F (-20° to 121° C)

*depending on tubing used

Fractional Inch Tube: 5/32 to 1/2**Metric Tube:** 4mm to 14mm**LF3800 Push-to-Connect Fittings**

p. A60

**Fluids:** industrial fluids, chemicals and medical fluids**Materials:** stainless steel, FKM**Pressure:** vacuum to 290 psi (20 bar) maximum

*depending on tubing used

Temperature : -4° to 245° F (-20° to 118° C)

*depending on tubing used

Fractional Inch Tube: 5/32 to 1/2**Metric Tube:** 4mm to 12mm



LF3000® Push-to-Connect Fittings

LF3000 push-to-connect fittings with its wide variety configurations allows you to find the perfect product to meet your needs, optimizing the use of your equipment.

Product Features:

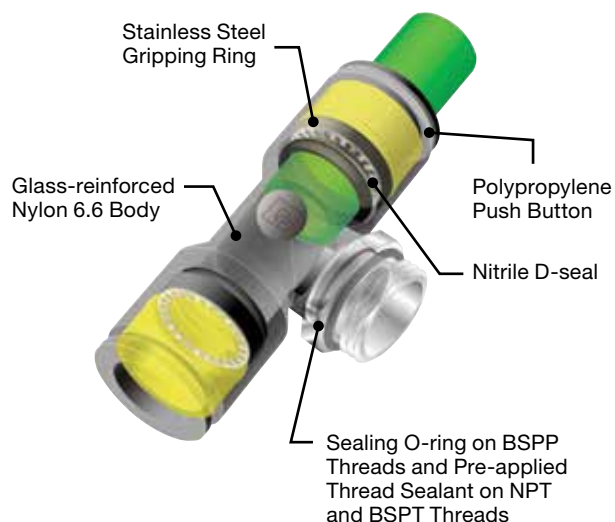
- Stainless steel grab ring
- Glass-reinforced nylon 6.6 body
- Nitrile D-seal
- Nylon release button
- Corrosion and chemical resistance
- NPT, BSPT, BSPP, and metric threads
- Silicone-Free

Markets:

- Pneumatic
- Industrial
- Robotic
- Automation
- Printing
- Packaging
- Textile

Applications:

- Air
- Cutting Fluids
- Inert Gases
- Vacuum



Specifications:

Pressure Range	Up to 290 psi (20 bar)
	3/16" diameter up to 260 psi (8 bar)
	Maximum working pressure and temperature range are dependent on the type of tubing used
Temperature Range	-4° to +175° F (-20° to +80° C)
	3/16" diameter 5° to +155° F (-15° to +68° C)
Vacuum Capability	28" Hg

Compatible Tubing:

- Semi-Rigid Nylon
- Polyurethane 95 Durometer Shore A
- Fluoropolymer
- Polyethylene

threaded fittings**3175**male connector
NPT/BSPT
p. A7-A8**3171**male connector
UNF/M5/M7
p. A8**3181**male connector
M5/M7
p. A8**3101**male connector
BSPP/metric
p. A8**3014**female connector
NPT
p. A9**3114**female connector
BSPP
p. A9**3109**male elbow
NPT/UNF/BSPT
p. A10-A11**3199**male elbow
BSPP/metric
p. A11**3129**extended male
elbow
NPT/BSPT
p. A12**3169**extended male
elbow
UNF/BSPP/metric
p. A12**3159**male elbow
NPT/BSPT
p. A44**3189**male elbow
BSPP/M5
p. A44**3009**female elbow
NPT
p. A13**3192**female elbow
BSPP
p. A13**3113**45° male elbow
NPT/UNF/BSPT
p. A14**3133**45° male elbow
BSPP/M5
metric
p. A14**3108**male branch tee
NPT/UNF/BSPT
p. A15-A16**3198**male branch tee
BSPP/M5
p. A16**3008**female branch tee
NPT
p. A16**3103**male run tee
NPT/UNF/BSPT
p. A17**3193**male run tee
BSPP/M5
p. A17**3121**male standpipe
NPT/BSPT
p. A18**3131**male standpipe
UNF/BSPP/M5
p. A18**3148**Y male connector
NPT/BSPT
p. A19**3158**Y male connector
BSPP/M5
p. A19**3112**double Y male
connector
BSPT
p. A20**3132**double Y male
connector
BSPP
p. A20**3018**banjo
NPT/BSPT
p. A22**3118**banjo
UNF/BSPP/M3/
M5
p. A22**3124**banjo w/BSPP
bolt
BSPP/M5
p. A25**3149/3049**twin banjo
NPT/UNF/BSPP/
M5
p. A25**3119**double banjo
BSPP/M5
p. A25**tube to tube fittings****3106**union
p. A26**3102**union elbow
p. A27**3104**union tee
p. A28**3140**Y union
p. A29**3144**multiple Y union
p. A29**3304**multiple tee
p. A32**3306**double multiple
tee
p. A32**3107**equal cross
p. A32**bulkhead connector fittings****3146**female bulkhead
p. A30**3036/3136**female bulkhead
NPT/BSPP
p. A30**3139**equal bulkhead
p. A30**3116**bulkhead union
p. A31**3156**plug-in bulkhead
union
p. A31**plug-in fittings****3182**plug-in elbow
p. A33**3184**extended plug-in
elbow
p. A33**3180**45° plug-in elbow
p. A33**3188**plug-in tee
p. A34**3183**plug-in run tee
p. A34**3142**plug-in Y
p. A35**3143**plug-in multiple Y
p. A35**3166**reducer
p. A36**3168**expander
p. A36

plug-in accessories

3120
double male
union
p. A35



3126
plug
p. A37



3122
barbed connector
p. A37



din rail and multi-tube connectors

3379
connector for 2
tubes in line
p. A39



3381
connector for 3
tubes
p. A39



3300
modular plug-in
connectors
p. A40



3320
male connector
body
p. A41



3321
female connector
body
p. A41



3329
cap
p. A41



modular fittings

3538
single banjo body
p. A23



3539
double banjo body
p. A23



3549
twin banjo body
p. A23



3527
single banjo bolt
BSPP/M5
p. A24



3528
stacking banjo
BSPP/M5
p. A24



3529
stacking banjo
BSPP
p. A24



3524
female threaded
banjo bolt
BSPP/M5
p. A24



self-sealing fittings

3091
self-sealing male
connector
NPT/BSPT
p. A43



3391
self-sealing male
connector
BSPP
p. A43



3160
self-sealing plug-in
connector
p. A43



accessories

clip
p. A45



3151
end cap
p. A45



3000 70
disconnection tool
p. A45



7000
joining clips
p. A45

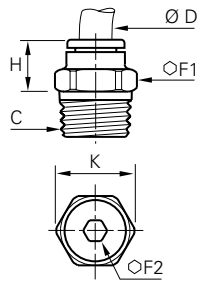


3000 71 00
tube cutter
p. A45



3110/3330
caps
p. A46

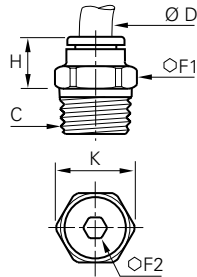


3175 | **male connector** fractional inch tube to male NPT

nickel-plated brass
pre-applied thread sealant
internal hexagon

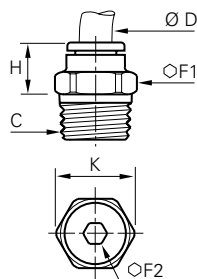
* Collet technology – bare brass

ØD in	C NPT	Part Number	F1 mm	F2 in	H in	K in	oz
1/8	1/16	3175 53 08	10	.07	.413	.433	.24
1/8	1/8	3175 53 11	11	.07	.283	.472	.25
1/8	1/4	3175 53 14	14	.07	.315	.591	.59
5/32	1/8	3175 04 11	11	.11	.334	.472	.26
5/32	1/4	3175 04 14	14	.11	.275	.590	.56
3/16	1/8	3175 55 11*	11	.12	.61	.51	.49
3/16	1/4	3175 55 14*	14	.16	.59	.65	.97
1/4	1/8	3175 56 11	11	.16	.472	.472	.26
1/4	1/4	3175 56 14	14	.16	.374	.590	.50
1/4	3/8	3175 56 18	18	.19	.295	.767	.88
5/16	1/8	3175 08 11	13	.19	.787	.551	.45
5/16	1/4	3175 08 14	14	.25	.661	.590	.58
5/16	3/8	3175 08 18	18	.25	.464	.767	.89
3/8	1/8	3175 60 11	16	.16	.894	.689	.79
3/8	1/4	3175 60 14	16	.28	.807	.689	.73
3/8	3/8	3175 60 18	18	.28	.689	.767	.97
3/8	1/2	3175 60 22	22	.28	.610	.945	2.00
1/2	1/4	3175 62 14	22	.25	1.1	.945	1.62
1/2	3/8	3175 62 18	22	.28	1.1	.945	.89
1/2	1/2	3175 62 22	22	.28	1.1	.945	2.51

3175 | **male connector** metric tube to male BSPT

nickel-plated brass
pre-applied thread sealant
internal hexagon

ØD mm	C BSPT	Part Number	F1 mm	F2 mm	H mm	K mm	kg
4	R1/8	3175 04 10	10	3	9.5	11	.006
4	R1/4	3175 04 13	14	3	6.5	15	.013
4	R3/8	3175 04 17	17	3	8	18.5	.024
6	R1/8	3175 06 10	11	4	11.5	11	.005
6	R1/4	3175 06 13	14	4	8.5	15	.011
6	R3/8	3175 06 17	17	4	8.5	18.5	.014
6	R1/2	3175 06 21	21	4	9	23	.021
8	R1/8	3175 08 10	13	5	20	14	.011
8	R1/4	3175 08 13	14	6	17	15	.014
8	R3/8	3175 08 17	17	6	13	18.5	.021
8	R1/2	3175 08 21	21	6	12	23	.022
10	R1/8	3175 10 10	16	5	22.5	17.5	.017
10	R1/4	3175 10 13	16	7	20	17.5	.017
10	R3/8	3175 10 17	17	8	16.5	18.5	.019
10	R1/2	3175 10 21	21	8	14	23	.037
12	R1/4	3175 12 13	19	7	26.5	21	.029
12	R3/8	3175 12 17	19	9	24	21	.030
12	R1/2	3175 12 21	21	9	19.5	23	.037
14	R3/8	3175 14 17	22	9	28.5	24	.043
14	R1/2	3175 14 21	24	10	23.5	26	.047
16	R3/8	3175 16 17	27	9	32.5	29	.043
16	R1/2	3175 16 21	27	12	32.5	29	.047

3175 | **male connector** fractional inch tube to male BSPT

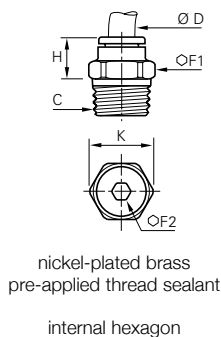
nickel-plated brass
pre-applied thread sealant
internal hexagon

* Collet technology – bare brass

ØD in	C BSPT	Part Number	F1 mm	F2 mm	H in	K in	oz
1/8	R1/8	3175 53 10	10	2	.335	.433	.39
5/32	R1/8	3175 04 10	10	3	.37	.43	.21
5/32	R1/4	3175 04 13	14	3	.26	.59	.46
3/16	R1/8	3175 55 10*	11	3	.61	.51	.36
3/16	R1/4	3175 55 13*	14	3	.59	.65	.74
1/4	R1/8	3175 56 10	11	4	.472	.472	.25
1/4	R1/4	3175 56 13	14	4	.374	.591	.78
5/16	R1/8	3175 08 10	13	5	.79	.55	.39
5/16	R1/4	3175 08 13	14	6	.67	.59	.49
5/16	R3/8	3175 08 17	17	6	.51	.73	.74
5/16	R1/2	3175 08 21	21	6	.47	.91	.78
3/8	R1/4	3175 60 13	16	7	.807	.689	1.02
3/8	R3/8	3175 60 17	17	7	.650	.728	1.20
3/8	R1/2	3175 60 21	21	7	.551	.906	2.22
1/2	R1/4	3175 62 13	22	6	1.06	.945	1.55
1/2	R3/8	3175 62 17	22	7	1.02	.945	1.73
1/2	R1/2	3175 62 21	24	7	.807	1.02	1.94



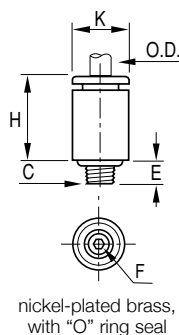
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



3175 | male connector metric tube to male NPT

ØD mm	C NPT	Part Number	F1 mm	F2 mm	H in	K in	oz
4	1/8	3175 04 11	11	3	.33	.47	.26
4	1/4	3175 04 14	14	3	.28	.59	.56
6	1/8	3175 06 11	11	4	.45	.47	.26
6	1/4	3175 06 14	14	4	.33	.59	.50
8	1/8	3175 08 11	13	5	.79	.55	.45
8	1/4	3175 08 14	14	6	.66	.59	.58
8	3/8	3175 08 18	18	6	.46	.77	.89
10	1/4	3175 10 14	16	7	.79	.69	.63
10	3/8	3175 10 18	18	8	.65	.77	.74
10	1/2	3175 10 22	22	8	.55	.95	1.16
12	1/4	3175 12 14	19	7	.27	.21	1.02
12	3/8	3175 12 18	19	9	.95	.83	1.02
12	1/2	3175 12 22	22	10	.77	.95	1.23

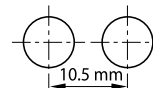
3171/3181 | male connector fractional inch and metric tube to 10-32 UNF, M5 or M7



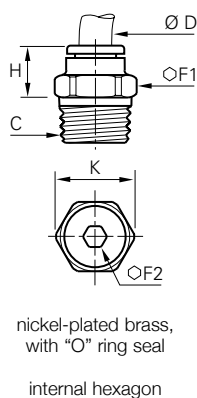
ØD in	C UNF/Metric	Part Number fractional inch	E in	F mm	H in	K in	
1/8	10-32	3171 53 20	.13	2	.49	.32	.17
5/32	10-32	3171 04 20	.13	2	.54	.34	.15
1/4	1/16	3171 56 08	.13	3	.63	.42	.27
1/4	10-32	3171 56 20	.13	2	.64	.46	.20
1/4	M5	3181 56 19	.14	2.5	.65	.41	.20
1/4	M7	3181 56 55	.18	4	.65	.41	.20

mm		metric		mm	mm	mm	mm	
4	M5X0.8	3181 04 19		3.5	2.5	14.5	8.5	.005
4	M7X1	3181 04 55		5	3	14	10	.004
6	M5X0.8	3181 06 19		3.5	2.5	16.5	11	.006
6	M7X1	3181 06 55		5	3	10	16	.005

Recommended for use with compact high flow valves. Because of the miniature bodies, these fittings can be placed close together. The minimum distance between centers of the fittings is 10.5mm (0.41").



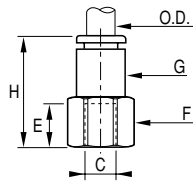
3101 | male connector metric tube to male BSPP or metric



ØD mm	C BSPP/Metric	Part Number	E mm	F1 mm	F2 mm	H mm	K mm	kg
3	M3x0.5	3101 03 09	2.5	8	-	12.5	8.5	.003
3	M5x0.8	3101 03 19	3.5	8	2.5	12.5	8.5	.003
4	M3x0.5	3101 04 09	2.5	8	-	14.5	8.5	.003
4	M5x0.8	3101 04 19	3	9	2.5	14	8.5	.003
4	M7x1	3101 04 55	5	10	2.5	14	11	.005
4	G1/8	3101 04 10	4.5	13	3	11.5	14	.007
4	G1/4	3101 04 13	5.5	16	3	10.5	17.5	.011
6	M5x0.8	3101 06 19	3.5	11	2.5	16	11	.005
6	M7x1	3101 06 55	5	10	3	16	11	.005
6	M10x1	3101 06 60	5	13	4	13	14	.030
6	M12x1.5	3101 06 67	5.5	15	4	13	16	.009
6	G1/8	3101 06 10	4.5	13	4	13	14	.007
6	G1/4	3101 06 13	5.5	16	4	12.5	17.5	.011
6	G3/8	3101 06 17	5.5	20	4	13	22	.015
6	G1/2	3101 06 21	7.5	24	4	20	26	.018
8	M10x1	3101 08 60	5	13	5	21	14	.012
8	M12x1.5	3101 08 67	5.5	15	5	21	16	.030
8	G1/8	3101 08 10	4.5	13	5	20.5	14	.011
8	G1/4	3101 08 13	5.5	16	6	19.5	17.5	.016
8	G3/8	3101 08 17	5.5	20	6	18	22	.022
8	G1/2	3101 08 21	7.5	24	6	16.5	26	.018
10	G1/4	3101 10 13	5.5	16	7	23	17.5	.018
10	G3/8	3101 10 17	5.5	20	8	19.5	22	.021
10	G1/2	3101 10 21	7.5	24	8	18.5	26	.033
12	G1/4	3101 12 13	5.5	19	7	27.5	21	.027
12	G3/8	3101 12 17	5.5	20	9	27	22	.029
12	G1/2	3101 12 21	7	24	10	22.5	26	.035
14	G3/8	3101 14 17	5.5	22	9	29.5	24	.041
14	G1/2	3101 14 21	7	24	11	28	26	.047
16	G3/8	3101 16 17	7.5	27	9	32.5	29	.043
16	G1/2	3101 16 21	9	27	12	32.5	29	.047



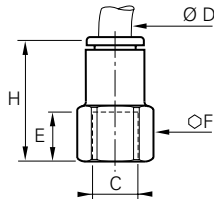
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3014 | **straight female connector** fractional inch tube to NPT

nickel-plated brass

* Collet technology – bare brass

ØD in	C NPT/UNF	Part Number	F mm	G in	H in	E in	oz
1/8	1/8	3014 53 11	13	.43	.87	.37	.48
1/8	1/4	3014 53 14	16	.43	1.05	.55	.74
1/8	10-32	3014 53 20	8	.35	.79	.22	.33
5/32	1/8	3014 04 11	13	.33	.89	.37	.37
5/32	1/4	3014 04 14	16	.33	1.06	.55	.65
5/32	10-32	3014 04 20					
3/16	1/8	3014 55 11*	14	-	1.06	-	.76
3/16	1/4	3014 55 14*	17	-	1.26	-	1.01
1/4	1/8	3014 56 11	13	.42	.98	.37	.44
1/4	1/4	3014 56 14	16	.42	1.16	.55	.66
1/4	10-32	3014 56 20					
1/4	3/8	3014 56 18	12	.42	1.81	.47	.79
5/16	1/8	3014 08 11	13	.53	1.14	.37	.55
5/16	1/4	3014 08 14	16	.53	1.32	.55	.85
3/8	1/8	3014 60 11	16	.61	1.22	.37	.94
3/8	1/4	3014 60 14	16	.61	1.40	.55	.94
3/8	3/8	3014 60 18	24	.61	1.57	.59	2.23
3/8	1/2	3014 60 22	22	.61	1.52	.65	1.85
1/2	1/4	3014 62 14	20	.84	1.73	.47	1.20
1/2	3/8	3014 62 18	22	.85	1.81	.65	3.25
1/2	1/2	3014 62 22	24	.85	1.93	.77	4.02

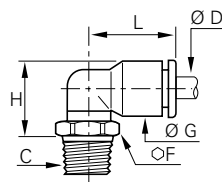
3114 | **straight female connector** metric tube to BSPP or M5

nickel-plated brass

ØD mm	C BSPP/M5	Part Number	E mm	F mm	H mm	kg
4	M5x0.8	3114 04 19	6.5	8	19.5	.005
4	G1/8	3114 04 10	9.5	13	22.5	.010
4	G1/4	3114 04 13	13.5	16	26.5	.016
6	G1/8	3114 06 10	9.5	13	24.5	.011
6	G1/4	3114 06 13	13.5	16	28.5	.016
8	G1/8	3114 08 10	9.5	13	29	.020
8	G1/4	3114 08 13	13.5	16	33	.027
8	G3/8	3114 08 17	14	19	34	.030
10	G1/4	3114 10 13	13.5	16	36	.037
10	G3/8	3114 10 17	14	19	36	.040
10	G1/2	3114 10 21	19.5	24	41.5	.045
12	G1/4	3114 12 13	14	19	39.5	.090
12	G3/8	3114 12 17	14	19	40	.092
12	G1/2	3114 12 21	19.5	24	45.5	.114
14	G3/8	3114 14 17	14	22	42.5	.140
16	G1/2	3114 16 21	15	27	49	.144



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



nylon body,
nickel-plated brass base,
pre-applied thread sealant

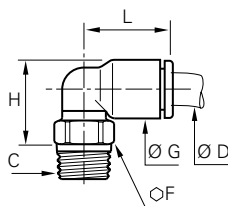
*the body is orientable for
positioning purposes*

* Collet technology – bare brass

3109 male elbow fractional inch tube to male NPT or UNF

ØD in	C NPT/UNF	Part Number	F mm	G in	H in	L in	oz
1/8	10-32	3109 53 20	8	.34	.52	.57	.14
1/8	1/16	3109 53 08	10	.34	.53	.57	.23
1/8	1/8	3109 53 11	11	.34	.53	.57	.29
1/8	1/4	3109 53 14	14	.34	.55	.57	.63
5/32	10-32	3109 04 20	8	.33	.53	.55	.14
5/32	1/8	3109 04 11	11	.33	.53	.55	.28
5/32	1/4	3109 04 14	14	.33	.55	.55	.62
3/16	1/8	3109 55 11*	11	.43	.67	.85	.45
1/4	10-32	3109 56 20	11	.43	.63	.71	.26
1/4	1/8	3109 56 11	11	.43	.67	.71	.32
1/4	1/4	3109 56 14	14	.43	.63	.71	.51
1/4	3/8	3109 56 18	18	.43	.65	.71	.79
5/16	1/8	3109 08 11	11	.53	.75	.91	.29
5/16	1/4	3109 08 14	14	.53	.71	.91	.58
5/16	3/8	3109 08 18	18	.53	.73	.91	.81
3/8	1/8	3109 60 11	15	.63	.91	1.08	.60
3/8	1/4	3109 60 14	15	.63	.91	1.08	.74
3/8	3/8	3109 60 18	18	.63	.87	1.08	.96
3/8	1/2	3109 60 22	22	.63	.91	1.08	1.69
1/2	1/4	3109 62 14	20	.87	1.22	1.38	1.42
1/2	3/8	3109 62 18	20	.87	1.22	1.38	1.44
1/2	1/2	3109 62 22	24	.87	1.12	1.38	1.89

3109 male elbow metric tube to male BSPT

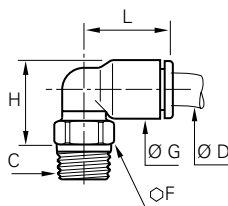


nylon body,
nickel-plated brass base,
pre-applied thread sealant

*the body is orientable for
positioning purposes*

ØD mm	C BSPT	Part Number	F mm	G mm	H mm	L mm	kg
4	R1/8	3109 04 10	10	8.5	13.5	14	.006
4	R1/4	3109 04 13	14	8.5	14	14	.014
4	R3/8	3109 04 17	17	8.5	13.5	14	.019
6	R1/8	3109 06 10	10	10.5	15.5	16	.006
6	R1/4	3109 06 13	14	10.5	16	16	.015
6	R3/8	3109 06 17	17	10.5	16	16	.016
6	R1/2	3109 06 21	21	10.5	16.5	16	.018
8	R1/8	3109 08 10	10	13.5	19	23	.013
8	R1/4	3109 08 13	14	13.5	18	23	.015
8	R3/8	3109 08 17	17	13.5	18	23	.018
8	R1/2	3109 08 21	21	13.5	19.5	23	.030
10	R1/8	3109 10 10	15	16	23	26.5	.014
10	R1/4	3109 10 13	15	16	22	26.5	.016
10	R3/8	3109 10 17	17	16	22	26.5	.019
10	R1/2	3109 10 21	21	16	22	26.5	.031
12	R1/4	3109 12 13	15	19	25	31	.071
12	R3/8	3109 12 17	17	19	25	31	.074
12	R1/2	3109 12 21	21	19	25	31	.092
14	R3/8	3109 14 17	20	22	30.5	35.5	.091
14	R1/2	3109 14 21	24	22	28.5	35.5	.095
16	R3/8	3109 16 17	27	27	53	39	.094
16	R1/2	3109 16 21	27	27	53	39	.097

3109 male elbow fractional inch tube to male BSPT



nylon body,
nickel-plated brass base,
pre-applied thread sealant

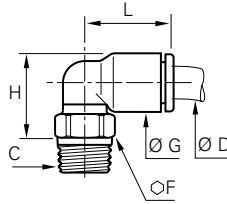
*the body is orientable for
positioning purposes*

* Collet technology – bare brass.
We recommend the use of an
extra-flat wrench.

ØD in	C BSPT	Part Number	F1 mm	G in	H in	L in	oz
1/8	R1/8	3109 53 10	10	.34	.53	.57	.44
5/32	R1/8	3109 04 10	10	.34	.53	.55	.21
5/32	R1/4	3109 04 13	14	.34	.55	.55	.49
3/16	R1/8	3109 55 10*	11	.43	.67	.85	.46
3/16	R1/4	3109 55 13*	14	.33	.55	.55	.64
1/4	R1/8	3109 56 10	10	.43	.67	.71	.27
1/4	R1/4	3109 56 13	14	.43	.63	.71	.48
5/16	R1/8	3109 08 10	10	.53	.75	.91	.46
5/16	R1/4	3109 08 13	14	.53	.71	.91	.53
5/16	R3/8	3109 08 17	17	.53	.71	.91	.64
5/16	R1/2	3109 08 21	21	.53	.77	.91	1.06
3/8	R1/4	3109 60 13	15	.63	.87	1.04	1.87
3/8	R3/8	3109 60 17	17	.63	.87	1.04	1.91
1/2	R1/4	3109 62 13	20	.87	1.22	1.38	1.42
1/2	R3/8	3109 62 17	20	.87	1.22	1.38	2.37
1/2	R1/2	3109 62 21	24	.87	1.12	1.38	2.40



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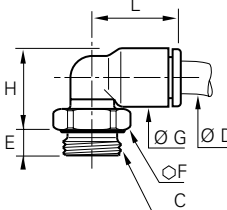
3109 | **male elbow** metric tube to male NPT

nylon body,
nickel-plated brass base,
pre-applied thread sealant

*the body is orientable for
positioning purposes*

ØD in	C NPT	Part Number	F mm	G in	H in	L in	oz
4	1/8	3109 04 11	11	.33	.53	.55	.28
4	1/4	3109 04 14	14	.33	.55	.55	.62
6	1/8	3109 06 11	11	.41	.61	.63	.21
6	1/4	3109 06 14	14	.41	.63	.63	.53
8	1/8	3109 08 11	11	.53	.75	.91	.29
8	1/4	3109 08 14	14	.53	.71	.91	.58
8	3/8	3109 08 18	18	.53	.73	.91	.81
10	1/4	3109 10 14	15	.63	.91	1.04	.56
10	3/8	3109 10 18	18	.63	.87	1.04	.69
10	1/2	3109 10 22	22	.63	.91	1.04	1.09
12	3/8	3109 12 18	18	.75	.98	1.22	2.61
12	1/2	3109 12 22	22	.75	1.02	1.22	3.25

We recommend the use of an extra-flat wrench.

3199 | **male elbow** metric tube to BSPP or metric

nylon body,
nickel-plated brass base,
with "O" ring seal

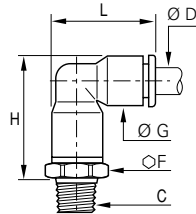
*the body is orientable for
positioning purposes*

ØD mm	C BSPP/Metric	Part Number	E mm	F mm	G mm	H mm	L mm	kg
3	M3x0.5	3199 03 09	2.5	8	8.5	15	14.5	.003
3	M5x0.8	3199 03 19	3.5	8	8.5	13.5	14.5	.003
4	M3x0.5	3199 04 09	2.5	8	8.5	15	14.5	.003
4	M5x0.8	3199 04 19	3.5	8	8.5	13.5	14	.003
4	M7x1	3199 04 55	4.5	10	8.5	15	14	.005
4	G1/8	3199 04 10	5	13	8.5	13	14	.007
4	G1/4	3199 04 13	5.5	16	8.5	13	14	.012
6	M5x0.8	3199 06 19	3.5	8	10.5	15.5	16	.015
6	M7x1	3199 06 55	4.5	10	10.5	17.5	16	.013
6	M10x1	3199 06 60	5	13	10.5	15	14	.007
6	M12x1.5	3199 06 67	5.5	15	10.5	15	16	.030
6	G1/8	3199 06 10	5	13	10.5	15	16	.008
6	G1/4	3199 06 13	5.5	16	10.5	15	16	.013
6	G3/8	3199 06 17	5.5	20	10.5	15.5	16	.014
6	G1/2	3199 06 21	7	24	10.5	16	16	.015
8	M10x1	3199 08 60	5	13	13.5	20.5	23	.025
8	M12x1.5	3199 08 67	5.5	15	13.5	19.5	23	.010
8	G1/8	3199 08 10	4.5	13	13.5	20.5	23	.014
8	G1/4	3199 08 13	5.5	16	13.5	18.5	23	.017
8	G3/8	3199 08 17	5.5	20	13.5	18.5	23	.023
8	G1/2	3199 08 21	7	24	13.5	19	23	.025
10	G1/4	3199 10 13	5.5	16	16	23.5	26.5	.029
10	G3/8	3199 10 17	5.5	20	16	22	26.5	.033
10	G1/2	3199 10 21	7.5	24	16	22	26.5	.036
12	G1/4	3199 12 13	5.5	16	19	26.5	31	.069
12	G3/8	3199 12 17	5.5	20	19	25	31	.069
12	G1/2	3199 12 21	7	24	19	25	31	.090
14	G3/8	3199 14 17	5.5	20	22	32.5	35.5	.087
14	G1/2	3199 14 21	7	24	22	27	35.5	.097
16	G3/8	3199 16 17	7.5	27	27	54.5	39	.088
16	G1/2	3199 16 21	9	27	27	54.5	39	.099

We recommend the use of an extra-flat wrench.



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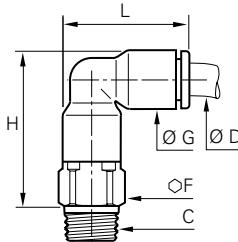
nylon body,
nickel-plated brass base,
pre-applied thread sealant
the body is orientable for
positioning purposes

3129 extended male elbow fractional inch tube to male NPT

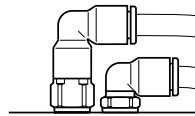
ØD in	C NPT	Part Number	F mm	G in	H in	L in	oz
1/8	1/8	3129 53 11	11	.33	.91	.75	.36
1/8	1/4	3129 53 14	14	.33	.93	.75	.68
5/32	1/8	3129 04 11	11	.33	.91	.75	.37
5/32	1/4	3129 04 14	14	.33	.93	.75	.69
1/4	1/8	3129 56 11	11	.43	1.12	.93	.51
1/4	1/4	3129 56 14	14	.43	1.08	.93	.73
1/4	3/8	3129 56 18	17	.43	1.12	.93	.80
5/16	1/8	3129 08 11	13	.53	1.32	1.16	.73
5/16	1/4	3129 08 14	14	.53	1.28	1.16	.93
3/8	1/8	3129 60 11	17	.63	1.40	1.34	1.30
3/8	1/4	3129 60 14	17	.63	1.41	1.33	1.41
3/8	3/8	3129 60 18	18	.63	1.45	1.33	1.73

3129 extended male elbow metric tube to male BSPT

ØD mm	C BSPT	Part Number	E mm	F mm	H mm	L mm	kg
4	R1/8	3129 04 10	10	8.5	23	19	.021
4	R1/4	3129 04 13	14	8.5	23.5	19	.038
6	R1/8	3129 06 10	10	10.5	27	22.5	.037
6	R1/4	3129 06 13	14	10.5	27.5	22.5	.044
8	R1/8	3129 08 10	13	13.5	34.5	29.5	.025
8	R1/4	3129 08 13	14	13.5	32.5	29.5	.026
8	R3/8	3129 08 17	17	13.5	33	29.5	.035
10	R1/4	3129 10 13	15	16	39.5	34.5	.031
10	R3/8	3129 10 17	17	16	39.5	34.5	.041
10	R1/2	3129 10 21	21	16	39.5	34.5	.042
12	R1/4	3129 12 13	19	19	45.5	40.5	.035
12	R3/8	3129 12 17	19	19	45.5	40.5	.045
12	R1/2	3129 12 21	21	19	45.5	40.5	.060
14	R3/8	3129 14 17	21	22	51.5	46.5	.080
14	R1/2	3129 14 21	21	22	51.5	46.5	.095



nylon body,
nickel-plated brass base,
pre-applied thread sealant
the body is orientable for
positioning purposes

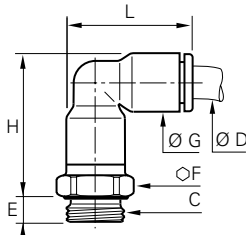


3129 is designed to allow very close
assembly with 3109 male elbow.

3169 extended male elbow UNF, BSPP, M5 or M7

ØD in	C UNF/Metric	Part Number	E in	F mm	G in	H in	L in	oz
1/8	10-32	3169 53 20	.20	8	.33	.91	.75	.25
5/32	10-32	3169 04 20	.20	8	.33	.91	.75	.25
1/4	10-32	3169 56 20	.20	11	.33	1.10	.93	.32
1/4	M7	3169 56 55	.18	9	.43	1.17	.93	.35

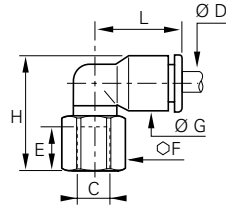
ØD in	C BSPP/Metric	Part Number	E in	F mm	G in	H in	L in	kg
4	M5x0.8	3169 04 19	3.5	8	8.5	23	19	.007
4	G1/8	3169 04 10	5	13	8.5	22.5	19	.009
4	G1/4	3169 04 13	5.5	16	8.5	22.5	19	.014
6	M5x0.8	3169 06 19	3.5	10	10.5	27.5	23	.009
6	M7x1	3169 06 55	4.5	10	10.5	26	23	.009
6	G1/8	3169 06 10	5	13	10.5	27	23	.012
6	G1/4	3169 06 13	5.5	16	10.5	27	23	.017
8	G1/8	3169 08 10	5	13	13.5	36	29.5	.025
8	G1/4	3169 08 13	5.5	16	13.5	33	29.5	.026
8	G3/8	3169 08 17	5.5	20	13.5	33	29.5	.035
10	G1/4	3169 10 13	5.5	16	16	40.5	34.5	.038
10	G3/8	3169 10 17	5.5	20	16	40.5	34.5	.040
10	G1/2	3169 10 21	7.5	24	16	40.5	34.5	.042
12	G1/4	3169 12 13	5.5	19	19	44.5	40.5	.060
12	G3/8	3169 12 17	5.5	20	19	42	40.5	.065
12	G1/2	3169 12 21	7.5	24	19	42	40.5	.080
14	G3/8	3169 14 17	5.5	22	22	51	46.5	.100
14	G1/2	3169 14 21	7.5	24	22	48.5	46.5	.100
16	G3/8	3169 16 17	7.5	27	27	82.5	52	.102
16	G1/2	3169 16 21	9	27	27	82.5	52	.105



nylon body,
nickel-plated brass base,
with "O" ring seal
the body is orientable for
positioning purposes



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



nylon body,
nickel-plated brass base

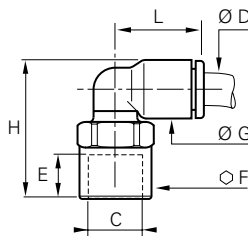
*the body is orientable for
positioning purposes*

* Collet technology – bare brass

3009 female elbow fractional inch tube to NPT

ØD in	C NPT/UNF	Part Number	F mm	G in	H in	E in	L in	oz
1/8	10-32	3009 53 20	8	.33	.73	.24	.57	.28
1/8	1/8	3009 53 11						
1/8	1/4	3009 53 14	13	.33	1.06	.55	.57	.14
3/16	1/8	3009 55 11*	13	.33	1.02	.37	.90	.15
5/32	1/8	3009 04 11	13	.33	.91	.37	.55	.41
5/32	1/4	3009 04 14	16	.33	1.08	.55	.55	.14
5/32	10-32	3009 04 20						
1/4	1/8	3009 56 11	13	.43	1.02	.37	.71	.47
1/4	1/4	3009 56 14	16	.43	1.18	.55	.71	.38
1/4	3/8	3009 56 18	22	.43	1.18	.55	.71	2.00
1/4	10-32	3009 56 20						
5/16	1/8	3009 08 11	13	.53	1.12	.37	.91	.50
5/16	1/4	3009 08 14	16	.53	1.28	.55	.91	.85
3/8	1/8	3009 60 11	16	.63	1.24	.37	1.04	.90
3/8	1/4	3009 60 14	16	.63	1.52	.55	1.04	.90
3/8	3/8	3009 60 18	22	.63	1.44	.55	1.04	2.00
3/8	1/2	3009 60 22						
1/2	1/4	3009 62 14	19	.87	1.77	.55	1.40	2.36
1/2	3/8	3009 62 18	22	.87	1.88	.65	1.38	2.40
1/2	1/2	3009 62 22	27	.87	1.91	.77	1.40	2.47

3192 female elbow metric tube to BSPP



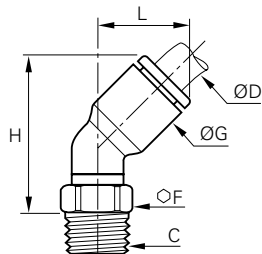
nylon body,
nickel-plated brass base

*the body is orientable for
positioning purposes*

ØD mm	C BSPP	Part Number	E mm	F mm	G mm	H mm	L mm	kg
4	G1/8	3192 04 10	8.5	13	8.5	23	14	.009
4	G1/4	3192 04 13	11.5	16	8.5	27	14	.012
6	G1/8	3192 06 10	8.5	13	10.5	25	16	.011
6	G1/4	3192 06 13	11.5	16	10.5	29	16	.011
8	G1/8	3192 08 10	8.5	13	13.5	28	23	.014
8	G1/4	3192 08 13	11.5	16	13.5	32	23	.017
8	G3/8	3192 08 17	12	19	13.5	33	23	.022
10	G1/4	3192 10 13	11	16	16	34.5	26.5	.029
10	G3/8	3192 10 17	12	19	16	35	26.5	.034
10	G1/2	3192 10 21	16	24	16	41	26.5	.037
12	G1/4	3192 12 13	11	16	19	38	30.5	.040
12	G3/8	3192 12 17	12	19	19	38.5	30.5	.041
12	G1/2	3192 12 21	16	24	19	43.5	30.5	.045



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

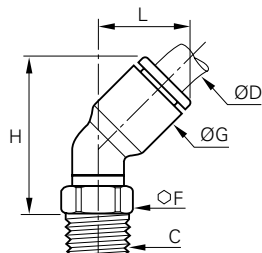
3133/3113**45° male elbow** fractional inch tube to male NPT, UNF or M7

nylon body,
nickel-plated brass base,
pre-applied thread sealant

*the body is orientable for
positioning purposes*

* Collet technology – bare brass

ØD in	C NPT/UNF/M7	Part Number	F mm	G in	H in	L in	oz
1/8	10-32	3133 53 20	8	.35	.91	.49	.28
1/8	1/16	3113 53 08	10	.35	.83	.49	.21
1/8	1/8	3113 53 11	11	.35	.81	.49	.28
1/8	1/4	3113 53 14					
3/16	1/8	3113 55 11*	11	.43	1.06	.67	.28
5/32	1/8	3113 04 11					
5/32	1/4	3113 04 14					
5/32	10-32	3113 04 20	8	.43	1.06	.57	.28
1/4	10-32	3113 56 20	8	.35	.92	.51	.26
1/4	1/8	3113 56 11	11	.43	.98	.57	.28
1/4	1/4	3113 56 14	14	.43	.98	.57	.60
1/4	M7x1	3113 56 55	9	.43	1.14	.57	.28
5/16	1/8	3113 08 11					
5/16	1/4	3113 08 14					
5/16	3/8	3113 08 18					
5/16	1/2	3113 08 22					
3/8	1/8	3113 60 11	15	.63	1.36	.90	.65
3/8	1/4	3113 60 14	17	.63	1.36	.91	.71
3/8	3/8	3113 60 18	18	.63	1.36	.91	.81

3113**45° male elbow** metric tube to male BSPT

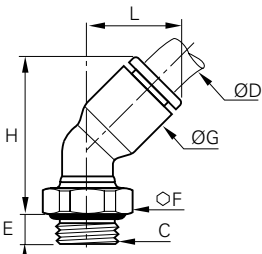
nylon body,
nickel-plated brass base,
pre-applied thread sealant

*the body is orientable for
positioning purposes*

ØD mm	C BSPT	Part Number	F mm	G mm	H mm	L mm	kg
4	R1/8	3113 04 10	10	9	24.5	13	.008
6	R1/8	3113 06 10	10	11	28	14.5	.008
6	R1/4	3113 06 13	14	11	30	14.5	.017
8	R1/8	3113 08 10	10	13.5	33.5	19.5	.016
8	R1/4	3113 08 13	14	13.5	33.5	19.5	.018
8	R3/8	3113 08 17	17	13.5	33.5	19.5	.021
10	R1/4	3113 10 13	15	16	38.5	23	.020
10	R3/8	3113 10 17	17	16	39	23	.023
10	R1/2	3113 10 21	21	16	40.5	23	.034
12	R1/4	3113 12 13	15	19	44	26	.071
12	R3/8	3113 12 17	17	19	44	26	.074
12	R1/2	3113 12 21	21	19	46	26	.092



Prevents excessive angular loads on
tubing which can cause kinking and
distortion of the tube.

3133**45° male elbow** metric tube to male BSPP or M5

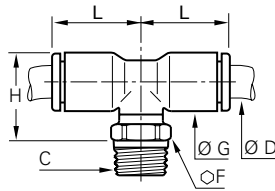
nylon body,
nickel-plated brass base,
with "O" ring seal

*the body is orientable for
positioning purposes*

ØD mm	C BSPP/M5	Part Number	E mm	F mm	G mm	H mm	L mm	kg
4	M5x0.8	3133 04 19	3.5	8	9	23	13	.005
4	G1/8	3133 04 10	4.5	13	9	25	13	.008
6	M5x0.8	3133 06 19	3.5	8	11	30	14.5	.005
6	G1/8	3133 06 10	4.5	13	11	28.5	14.5	.008
6	G1/4	3133 06 13	5.5	16	11	29.5	14.5	.017
8	G1/8	3133 08 10	4.5	13	13.5	36	19.5	.016
8	G1/4	3133 08 13	5.5	16	13.5	34.5	19.5	.018
8	G3/8	3133 08 17	5.5	20	13.5	34.5	19.5	.021
10	G1/4	3133 10 13	5.5	16	16	40.5	23	.020
10	G3/8	3133 10 17	5.5	20	16	39	23	.023
10	G1/2	3133 10 21	7	24	16	41	23	.034
12	G1/4	3133 12 13	5.5	16	19	46	26	.071
12	G3/8	3133 12 17	5.5	20	19	44.5	26	.074
12	G1/2	3133 12 21	7	24	19	46	26	.092



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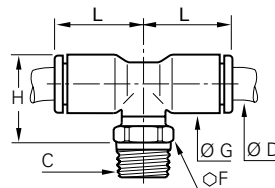
3108 | **male branch tee** fractional inch tube to male NPT or UNF to tube

nylon body,
nickel-plated brass base,
pre-applied thread sealant

*the body is orientable for
positioning purposes*

* Collet technology – bare brass.
We recommend the use of an
extra-flat wrench.

ØD in	C NPT/UNF	Part Number	F mm	G in	H in	L in	oz
1/8	10-32	3108 53 20	8	.33	.61	.57	.23
1/8	1/16	3108 53 08	10	.33	.61	.57	.27
1/8	1/8	3108 53 11	11	.33	.61	.57	.33
1/8	1/4	3108 53 14	14	.33	.63	.57	.66
5/32	10-32	3108 04 20	8	.33	.71	.55	.18
5/32	1/8	3108 04 11	11	.33	.61	.55	.32
5/32	1/4	3108 04 14	14	.33	.63	.55	.65
3/16	1/8	3108 55 11*	11	.43	.67	.85	.64
1/4	1/8	3108 56 11	11	.43	.67	.71	.39
1/4	1/4	3108 56 14	14	.43	.63	.71	.56
1/4	3/8	3108 56 18	18	.43	.65	.71	.85
5/16	1/8	3108 08 11	11	.53	.87	.91	.49
5/16	1/4	3108 08 14	14	.53	.83	.91	.66
5/16	3/8	3108 08 18	18	.53	.85	.91	.97
3/8	1/8	3108 60 11	15	.63	.99	1.04	.81
3/8	1/4	3108 60 14	15	.63	.99	1.04	.88
3/8	3/8	3108 60 18	18	.63	.95	1.04	1.18
3/8	1/2	3108 60 22	22	.63	.98	1.04	1.86
1/2	1/4	3108 62 14	20	.87	1.22	1.38	1.88
1/2	3/8	3108 62 18	20	.87	1.22	1.38	1.93
1/2	1/2	3108 62 22	24	.87	1.12	1.38	2.35

3108 | **male branch tee** metric tube to male BSPT

nylon body,
nickel-plated brass base,
pre-applied thread sealant

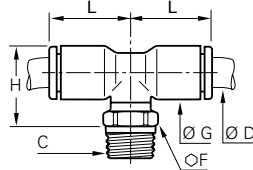
*the body is orientable for
positioning purposes*

We recommend the use of an
extra-flat wrench.

ØD mm	C BSPT	Part Number	F mm	G mm	H mm	L mm	kg
4	R1/8	3108 04 10	10	8.5	15.5	14	.007
4	R1/4	3108 04 13	14	8.5	16	14	.015
6	R1/8	3108 06 10	10	10.5	17.5	16	.009
6	R1/4	3108 06 13	14	10.5	18	16	.017
8	R1/8	3108 08 10	10	13.5	22	23	.016
8	R1/4	3108 08 13	14	13.5	21	23	.019
8	R3/8	3108 08 17	17	13.5	21	23	.020
10	R1/4	3108 10 13	15	16	24	26.5	.021
10	R3/8	3108 10 17	17	16	24	26.5	.024
10	R1/2	3108 10 21	21	16	24	26.5	.028
12	R1/4	3108 12 13	15	19	27	31	.094
12	R3/8	3108 12 17	17	19	27	31	.092
12	R1/2	3108 12 21	21	19	27	31	.109
14	R3/8	3108 14 17	20	22	30.5	35.5	.113
14	R1/2	3108 14 21	24	22	28.5	35.5	.114
16	R3/8	3108 16 17	27	27	53	38.5	.115
16	R1/2	3108 16 21	27	27	53	38.5	.117



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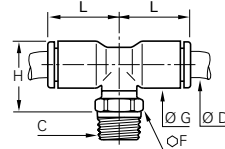
nylon body,
nickel-plated brass base,
pre-applied thread sealant

*the body is orientable for
positioning purposes*

* Collet technology – bare brass.
We recommend the use of an
extra-flat wrench.

3108 male branch tee fractional inch tube to male BSPT

ØD in	C BSPT	Part Number	F mm	G in	H in	L in	oz
1/8	R1/8	3108 53 10	10	.34	.61	.55	.33
5/32	R1/8	3108 04 10	10	.34	.61	.55	.25
5/32	R1/4	3108 04 13	14	.34	.63	.55	.53
3/16	R1/8	3108 55 10	11	.43	.67	.85	.56
3/16	R1/4	3108 55 13	14	.43	.67	.85	.82
1/4	R1/8	3108 56 10	10	.43	.67	.71	.81
1/4	R1/4	3108 56 13	14	.43	.63	.71	.92
5/16	R1/8	3108 08 10	10	.53	.87	.91	.56
5/16	R1/4	3108 08 13	14	.53	.83	.91	.67
5/16	R3/8	3108 08 17	17	.53	.83	.91	.71
5/16	R1/2	3108 08 21					
3/8	R1/4	3108 60 13	15	.63	.95	1.04	2.40
3/8	R3/8	3108 60 17	17	.63	.95	1.04	2.40
3/8	R1/2	3108 60 21					
1/2	R1/2	3108 62 21					



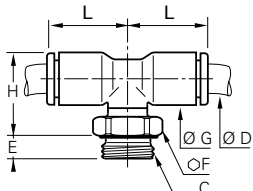
nylon body,
nickel-plated brass base,
pre-applied thread sealant

*the body is orientable for
positioning purposes*

We recommend the use of an
extra-flat wrench.

3108 male branch tee metric tube to male NPT

ØD mm	C NPT	Part Number	F mm	G in	H in	L in	oz
4	1/8	3108 04 11	11	.33	.61	.55	.32
4	1/4	3108 04 14	14	.33	.63	.55	.65
6	1/8	3108 06 11	11	.43	.69	.63	.32
6	1/4	3108 06 14	14	.43	.71	.63	.60
8	1/8	3108 08 11	11	.53	.87	.91	.49
8	1/4	3108 08 14	14	.53	.83	.91	.66
8	3/8	3108 08 18	18	.53	.85	.91	.97
10	1/4	3108 10 14	15	.63	.98	1.04	.74
10	3/8	3108 10 18	18	.63	.95	1.04	.85
10	1/2	3108 10 22	22	.63	.98	1.04	.99
12	3/8	3108 12 18	18	.87	1.06	1.22	3.25
12	1/2	3108 12 22	22	.87	.98	1.22	3.84



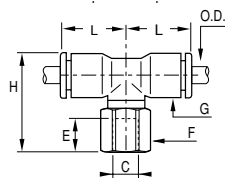
nylon body,
nickel-plated brass base,
with "O" ring seal

*the body is orientable for
positioning purposes*

We recommend the use of an
extra-flat wrench.

3198 male branch tee metric tube to BSPP or M5

ØD mm	C BSPP/M5	Part Number	E mm	F mm	G mm	H mm	L mm	kg
4	M5X0.8	3198 04 19	3.5	8	8.5	17.5	14	.004
4	G1/8	3198 04 10	5	13	8.5	15	14	.008
4	G1/4	3198 04 13	5.5	16	8.5	15	14	.013
6	M5X0.8	3198 06 19	3.5	8	10.5	19.5	16	.006
6	G1/8	3198 06 10	5	13	10.5	17	16	.010
6	G1/4	3198 06 13	5.5	16	10.5	17	16	.015
8	G1/8	3198 08 10	4.5	13	13.5	23.5	23	.017
8	G1/4	3198 08 13	5.5	16	13.5	21.5	23	.020
8	G3/8	3198 08 17	5.5	20	13.5	21.5	23	.023
10	G1/4	3198 10 13	5.5	16	16	26	26.5	.021
10	G3/8	3198 10 17	5.5	20	16	24	26.5	.024
10	G1/2	3198 10 21	7.5	24	16	24	26.5	.039
12	G1/4	3198 12 13	5.5	16	19	29	31	.088
12	G3/8	3198 12 17	5.5	20	19	27	31	.081
12	G1/2	3198 12 21	7	24	19	27	31	.092
14	G3/8	3198 14 17	5.5	20	22	32.5	35.5	.110
14	G1/2	3198 14 21	7	24	22	27	35.5	.120
16	G3/8	3198 16 17	7.5	27	27	54.5	38.5	.123
16	G1/2	3198 16 21	9	27	27	54.5	38.5	.125



nylon body,
nickel-plated brass base

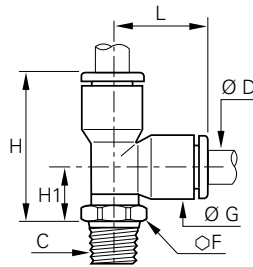
*the body is orientable for
positioning purposes*

3008 female branch tee fractional inch tube to NPT

ØD in	C NPT	Part Number	F mm	G in	H in	E in	L in	oz
1/8	1/8	3008 53 11	13	.34	.99	.37	.57	1.02
5/32	1/8	3008 04 11	13	.33	.91	.37	.55	.43
5/32	1/4	3008 04 14	16	.33	1.08	.55	.55	.74
1/4	1/8	3008 56 11	13	.43	1.02	.37	.71	.55
1/4	1/4	3008 56 14	16	.43	1.18	.55	.71	.84
5/16	1/8	3008 08 11	13	.53	1.24	.37	.91	.66
5/16	1/4	3008 08 14	16	.53	1.40	.55	.91	1.01
3/8	1/4	3008 60 14	16	.63	1.60	.55	1.04	1.13
1/2	3/8	3008 62 18	22	.87	1.88	.65	1.38	2.94



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

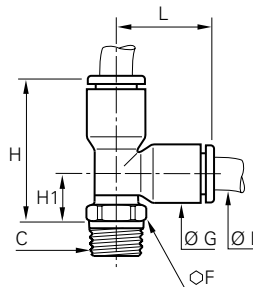
3103 male run tee fractional inch tube to tube to male NPT or UNF

nylon body, nickel-plated brass base, pre-applied thread sealant

the body is orientable for positioning purposes

* Collet technology – bare brass. We recommend the use of an extra-flat wrench.

ØD in	C NPT/UNF	Part Number	F mm	G in	H in	H1 in	L in	oz
1/8	10-32	3103 53 20	8	.33	.92	.35	.57	.19
1/8	1/16	3103 53 08	10	.33	.93	.35	.57	.24
1/8	1/8	3103 53 11	11	.33	.93	.35	.57	.31
5/32	10-32	3103 04 20	8	.33	1.02	.45	.57	.18
5/32	1/8	3103 04 11	11	.33	.93	.53	.57	.32
5/32	1/4	3103 04 14	14	.33	.94	.37	.57	.64
3/16	1/8	3103 55 11*	11	.45	1.31	.45	.85	.63
1/4	1/8	3103 56 11	11	.43	1.16	.45	.69	.39
1/4	1/4	3103 56 14	14	.43	1.12	.41	.69	.58
1/4	3/8	3103 56 18	18	.43	1.14	.43	.69	.84
5/16	1/8	3103 08 11	11	.53	1.38	.49	.91	.50
5/16	1/4	3103 08 14	14	.53	1.34	.45	.91	.69
5/16	3/8	3103 08 18	18	.53	1.36	.47	.91	.97
3/8	1/8	3103 60 11	15	.63	1.63	.60	1.04	.81
3/8	1/4	3103 60 14	15	.63	1.63	.60	1.04	.81
3/8	3/8	3103 60 18	18	.63	1.60	.55	1.04	1.19
3/8	1/2	3103 60 22	22	.63	1.63	.59	1.04	1.97
1/2	1/4	3103 62 14	20	.87	2.17	.79	1.38	1.85
1/2	3/8	3103 62 18	20	.87	2.17	.79	1.38	1.93
1/2	1/2	3103 62 22	24	.87	2.07	.79	1.38	2.19

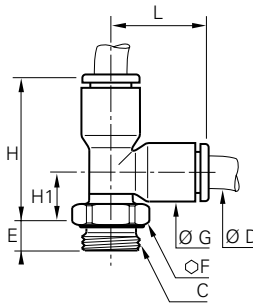
3103 male run tee metric tube to tube to male BSPT

nylon body, nickel-plated brass base, pre-applied thread sealant

the body is orientable for positioning purposes

We recommend the use of an extra-flat wrench.

ØD mm	C BSPT	Part Number	F mm	G mm	H mm	H1 mm	L mm	kg
4	R1/8	3103 04 10	10	8.5	23.5	9	14.5	.007
4	R1/4	3103 04 13	14	8.5	24	9.5	14.5	.010
6	R1/8	3103 06 10	10	10.5	27.5	10	17.5	.009
6	R1/4	3103 06 13	14	10.5	28	10.5	17.5	.017
8	R1/8	3103 08 10	10	13.5	35	12	23	.016
8	R1/4	3103 08 13	14	13.5	34	11	23	.019
8	R3/8	3103 08 17	17	13.5	34	11	23	.020
10	R1/4	3103 10 13	15	16	40.5	14	26.5	.021
10	R3/8	3103 10 17	17	16	40.5	14	26.5	.024
10	R1/2	3103 10 21	21	16	40.5	14	26.5	.028
12	R1/4	3103 12 13	15	19	46.5	15.5	31	.094
12	R3/8	3103 12 17	17	19	46.5	15.5	31	.092
12	R1/2	3103 12 21	21	19	46.5	15.5	31	.109
14	R3/8	3103 14 17	20	22	55	19.5	35.5	.113
14	R1/2	3103 14 21	24	22	52.5	17.5	35.5	.114
16	R3/8	3103 16 17	27	27	78	27	38.5	.115
16	R1/2	3103 16 21	27	27	78	27	38.5	.117

3193 male run tee metric tube to tube to male BSPP or M5

nylon body, nickel-plated brass base, with "O" ring seal

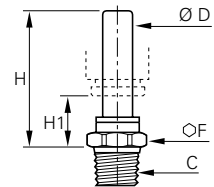
the body is orientable for positioning purposes

We recommend the use of an extra-flat wrench.

ØD mm	C BSPP/M5	Part Number	E mm	F mm	G mm	H mm	H1 mm	L mm	kg
4	M5x0.8	3193 04 19	3.5	8	8.5	26	11.5	14.5	.004
4	G1/8	3193 04 10	5	13	8.5	23	8.5	14.5	.008
4	G1/4	3193 04 13	5.5	16	8.5	23	8.5	14.5	.013
6	M5x0.8	3193 06 19	3.5	8	10.5	29.5	12.5	17.5	.007
6	G1/8	3193 06 10	5	13	10.5	27	10	17.5	.010
6	G1/4	3193 06 13	5.5	16	10.5	27	10	17.5	.015
8	G1/8	3193 08 10	4.5	13	13.5	36.5	14	23	.017
8	G1/4	3193 08 13	5.5	16	13.5	34.5	12	23	.020
8	G3/8	3193 08 17	5.5	20	13.5	34.5	12	23	.023
10	G1/4	3193 10 13	5.5	16	16	42	15.5	26.5	.021
10	G3/8	3193 10 17	5.5	20	16	40.5	14	26.5	.023
10	G1/2	3193 10 21	7.5	24	16	40.5	14	26.5	.039
12	G1/4	3193 12 13	5.5	16	19	48	17	31	.087
12	G3/8	3193 12 17	5.5	20	19	46.5	15.5	31	.088
12	G1/2	3193 12 21	7	24	19	46.5	15.5	31	.091
14	G3/8	3193 14 17	5.5	20	22	56.5	21.5	35.5	.110
14	G1/2	3193 14 21	7	24	22	51	16	35.5	.120
16	G3/8	3193 16 17	7.5	27	27	79.5	41	38.5	.007
16	G1/2	3193 16 21	9	27	27	79.5	41	38.5	.007



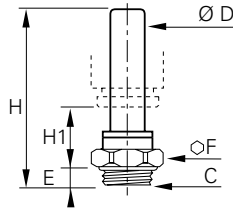
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



nylon probe,
nickel-plated brass base,
pre-applied thread sealant

3121 male standpipe fractional inch – NPT

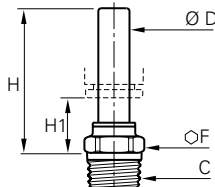
ØD in	C NPT	Part Number	F mm	H in	H1 in	oz
5/32	1/8	3121 04 11	11	1.02	.57	.26
5/32	1/4	3121 04 14	14	1.04	.59	.59
1/4	1/8	3121 56 11	11	1.18	.61	.28
1/4	1/4	3121 56 14	14	1.12	.57	.49
5/16	1/8	3121 08 11	11	1.16	.43	.28
5/16	1/4	3121 08 14	14	1.12	.39	.49
3/8	1/8	3121 60 11	15	1.75	.65	.45
3/8	1/4	3121 60 14	15	1.42	.67	.59
3/8	3/8	3121 60 18	17	1.42	.61	.80
1/2	3/8	3121 62 18	17	1.44	.37	.90
1/2	1/2	3121 62 22	21	1.46	.39	1.63



nylon probe,
nickel-plated brass base,
with "O" ring seal

3131 male standpipe fractional inch – 10-32 UNF

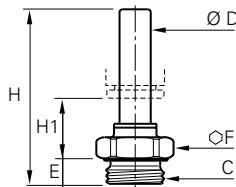
ØD in	C UNF	Part Number	E in	F mm	H in	H1 in	oz
5/32	10-32	3131 04 20	.14	8	1.24	.14	.12



nylon probe,
nickel-plated brass base,
pre-applied thread sealant

3121 male standpipe metric – BSPT

ØD mm	C BSPT	Part Number	F mm	H mm	H1 mm	kg
4	R1/8	3121 04 10	10	26	14	.005
4	R1/4	3121 04 13	14	26.5	14.5	.013
6	R1/8	3121 06 10	10	28	14	.005
6	R1/4	3121 06 13	14	28.5	14.5	.013
8	R1/8	3121 08 10	10	29.5	11	.006
8	R1/4	3121 08 13	14	28.5	10	.008
10	R1/4	3121 10 13	15	36	15.5	.010
10	R3/8	3121 10 17	17	36	15.5	.012
10	R1/2	3121 10 21	21	36	15.5	.022
12	R3/8	3121 12 17	17	36.5	12	.022
12	R1/2	3121 12 21	21	36.5	12	.043
14	R1/2	3121 14 21	21	41	13.5	.043



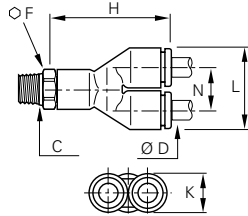
nylon probe,
nickel-plated brass base,
with "O" ring seal

3131 male standpipe metric – BSPP or M5

ØD mm	C BSPP/M5	Part Number	E mm	F mm	H mm	H1 mm	kg
4	M5x0.8	3131 04 19	3.5	8	31	16	.002
4	G1/8	3131 04 10	5	13	30	13.5	.006
4	G1/4	3131 04 13	5.5	16	31	13.5	.011
6	G1/8	3131 06 10	5	13	32	13.5	.006
6	G1/4	3131 06 13	5.5	16	33	13.5	.011
8	G1/8	3131 08 10	5	13	35.5	12.5	.006
8	G1/4	3131 08 13	5.5	16	34.5	10.5	.012
8	G3/8	3131 08 17	5.5	20	34.5	10.5	.015
10	G1/4	3131 10 13	5.5	16	43.5	17.5	.012
10	G3/8	3131 10 17	5.5	20	41.5	15.5	.015
10	G1/2	3131 10 21	7.5	24	41.5	15.5	.026
12	G3/8	3131 12 17	5.5	20	42	12	.052
12	G1/2	3131 12 21	7	24	43.5	12	.056
14	G3/8	3131 14 17	5.5	20	46.5	14	.039
14	G1/2	3131 14 21	7	24	48	13.5	.049



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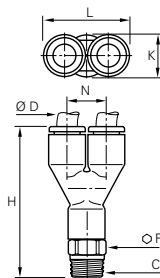


nylon body
nickel-plated brass base
pre-applied thread sealant

*the body is orientable for
positioning purposes*

3148 "Y" male connector fractional inch tube to NPT

ØD in	C NPT	Part Number	F mm	H in	K in	L in	N in	oz
5/32	1/8	3148 04 11	11	1.28	.33	.69	.35	.42
5/32	1/4	3148 04 14	14	1.30	.33	.69	.35	.79
1/4	1/8	3148 56 11	11	1.61	.43	.87	.45	.59
1/4	1/4	3148 56 14	14	1.56	.43	.87	.45	.80
3/8	1/4	3148 60 14	17	2.24	.63	1.30	.67	1.61
3/8	3/8	3148 60 18	18	2.28	.63	1.30	.67	1.94

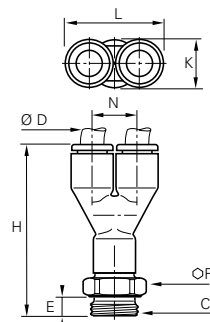


nylon body
nickel-plated brass base
pre-applied thread sealant

*the body is orientable for
positioning purposes*

3148 "Y" male connector metric tube to BSPT

ØD mm	C BSPT	Part Number	F mm	H mm	K mm	L mm	N mm	kg
4	R1/8	3148 04 10	10	32.5	8.5	17.5	9	.010
4	R1/4	3148 04 13	14	33	8.5	17.5	9	.018
6	R1/8	3148 06 10	10	39.5	10.5	21.5	11	.012
6	R1/4	3148 06 13	14	40	10.5	21.5	11	.019
8	R1/8	3148 08 10	13	56.5	13.5	28	14.5	.033
8	R1/4	3148 08 13	14	55.5	13.5	28	14.5	.037
8	R3/8	3148 08 17	16	48.5	13.5	28	14.5	.040
10	R1/4	3148 10 13	14	60	19	39	20	.040
10	R3/8	3148 10 17	16	60.5	19	39	20	.043
10	R1/2	3148 10 21	24	61	19	39	20	.045
12	R3/8	3148 12 17	19	66	19	39	20	.045
12	R1/2	3148 12 21	21	66	19	39	20	.047



nylon body,
nickel-plated brass base, with
"O" ring seal

*the body is orientable for
positioning purposes*

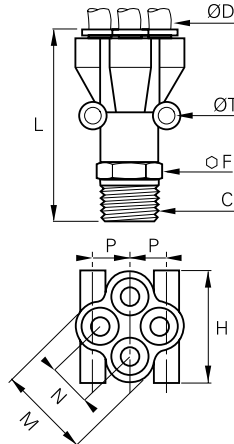
3158 "Y" male connector metric tube to BSPP or M5

ØD mm	C BSPP/M5	Part Number	E mm	F mm	H mm	K mm	L mm	N mm	kg
4	M5x0.8	3158 04 19	3.5	8	32.5	8.5	17.5	9	.010
4	G1/8	3158 04 10	5	13	32	8.5	17.5	9	.010
4	G1/4	3158 04 13	5.5	16	32	8.5	17.5	9	.015
6	M5x0.8	3158 06 19	3.5	10	39.5	10.5	21.5	11	.011
6	G1/8	3158 06 10	5	13	39	10.5	21.5	11	.014
6	G1/4	3158 06 13	5.5	16	39	10.5	21.5	11	.019
8	G1/8	3158 08 10	5	13	56	13.5	28	14.5	.033
8	G1/4	3158 08 13	5.5	16	55	13.5	28	14.5	.039
8	G3/8	3158 08 17	6	19	54	13.5	28	14.5	.040
10	G1/4	3158 10 13	5.5	16	63.5	16	33	17	.040
10	G3/8	3158 10 17	6	20	63.5	16	33	17	.043
10	G1/2	3158 10 21	7	20	65	16	33	17	.045
12	G3/8	3158 12 17	6	19	68	19	39	20	.045
12	G1/2	3158 12 21	7	24	70	19	39	20	.047



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3112 double "Y" male connector metric tube to BSPT

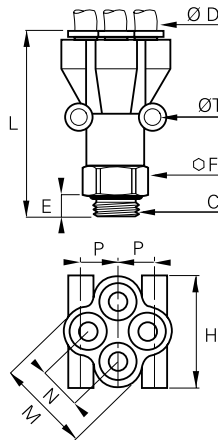


nylon body
nickel-plated brass base,
pre-applied thread sealant

*the body is orientable for
positioning purposes*

ØD mm	C BSPT	Part Number	F mm	H mm	L mm	M mm	N mm	P mm	ØT mm	kg
6	R1/4	3112 06 13	19	31.5	57.5	26.5	12	10	3.7	.066

3132 double "Y" male connector metric tube to BSPP



nylon body,
nickel-plated brass base,
with "O" ring seal

*the body is orientable for
positioning purposes*

ØD mm	C BSPP	Part Number	E mm	F mm	H mm	L mm	M mm	N mm	P mm	ØT mm	kg
4	G1/8	3132 04 10	5	13	25.5	41	21	10	8.5	3.7	.039
4	G1/4	3132 04 13	5.5	16	25.5	40	21	10	8.5	3.7	.046
6	G1/8	3132 06 10	5	19	31.5	52.5	26.5	12	10	3.7	.066
6	G1/4	3132 06 13	5.5	19	31.5	53.5	26.5	12	10	3.7	.053



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Banjo Fittings

This range of fittings is ideal when access is only possible from above and orientation of the tube is required. This range of modular fittings includes single and multiple configurations, allowing wide flexibility of design.

Product Features:

Compact

- Compact design with minimum space between fittings
- Banjo bolt designed for maximum flow
- Easy access, even when fittings are close together
- Easy assembly and automatic sealing:
 - with pre-applied thread sealant on tapered threads
 - with an integral O-ring seal on parallel threads
- Safe operation: orientation of tube is ensured
- 100% leak-tested in production
- Date coding to guarantee quality and traceability
- Silicone-Free

Modular

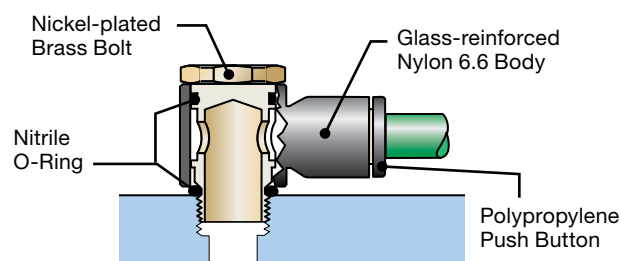
- Effortless stacking of banjo bodies to allow construction of 2 to 6 outlets
- Orientable 360° for perfect alignment
- Modular: tube diameters may be different

Markets:

- Automotive
- Textile
- Packaging
- Pneumatic
- Industrial

Applications:

- Robotics
- Automotive Process
- Pneumatics
- Semi-Conductors
- Textile
- Packaging

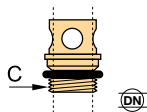


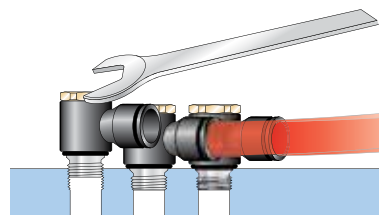
Specifications:

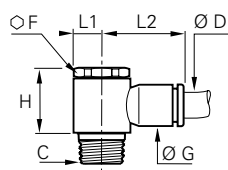
Compatible Fluids	Compressed air
	Other fluids: please consult us
Working Pressure	290 psi (20 bar) maximum
Vacuum Capability	28" Hg
Working Temperature	-4° to 176° F (-20° to 80° C)

Installation Configurations

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

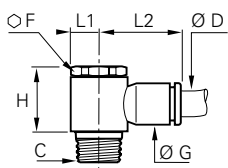
Thread (C)	M5x0.8	G1/8	G1/4	G3/8	G1/2
	2.5	5.5	8.5	11	13



3018 | **banjo** fractional inch tube to NPT

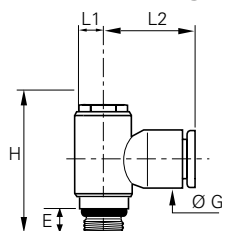
nylon body,
nickel-plated brass base,
pre-applied thread sealant

ØD in	C NPT	Part Number	F mm	G in	H in	L1 in	L2 in	oz
5/32	1/8	3018 04 11	13	.33	.73	.28	.73	.72
3/16	1/8	3018 55 11	14	.43	.73	.27	1.02	.89
1/4	1/8	3018 56 11	13	.43	.73	.28	.83	.75
1/4	1/4	3018 56 14	17	.43	.89	.37	.91	1.41
1/4	3/8	3018 56 18	21	.43	1.04	.43	1.12	2.60
5/16	1/8	3018 08 11	14	.43	.73	.27	.98	.23
5/16	1/4	3018 08 14	18	.43	.88	.37	1.06	2.25
3/8	1/4	3018 60 14	17	.63	.89	.37	1.12	2.34
3/8	3/8	3018 60 18	21	.63	1.04	.43	1.20	2.37

3018 | **banjo** metric tube to BSPT

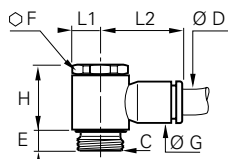
nylon body,
nickel-plated brass base,
pre-applied thread sealant

ØD mm	C BSPT	Part Number	F mm	G mm	H mm	L1 mm	L2 mm	kg
6	R1/8	3018 06 10	13	10.5	18.5	7	20	.011
6	R1/4	3018 06 13	17	10.5	22.5	9.5	22	.015
8	R1/8	3018 08 10	13	13.5	18.5	7	25	.022
8	R1/4	3018 08 13	17	13.5	22.5	9.5	27	.030
10	R1/4	3018 10 13	17	16	22.5	9.5	29	.058
10	R3/8	3018 10 17	21	16	26.5	11	31	.061
12	R1/4	3018 12 13	21	19	26.5	11	34.5	.065
12	R3/8	3018 12 17	21	19	26.5	11	34.5	.067

3118 | **banjo** fractional inch tube to 10-32 UNF

nylon body, nickel-plated brass
bolt complete
with "O" ring seal

ØD in	C UNF	Part Number	E in	G in	H in	L1 in	L2 in	oz
1/8	10-32	3118 53 20	.16	.33	.79	.20	.65	.23
5/32	10-32	3118 04 20	.16	.33	.79	.20	.65	.23
1/4	10-32	3118 56 20	.16	.43	.79	.20	.73	.40

3118 | **banjo** metric tube to BSPP, M3 or M5

nylon body, nickel-plated brass
bolt complete
with "O" ring seal

*With screwdriver slot

ØD mm	C BSPP/metric	Part Number	E mm	F mm	G mm	H mm	L1 mm	L2 mm	kg
3	M3x0.5	3118 03 09*	3	-	8.5	13	5	16	.007
4	M5x0.8	3118 04 19*	4	-	8.5	13	5	16	.007
4	G1/8	3118 04 10	4	13	8.5	17	7	18.5	.010
6	M5x0.8	3118 06 19*	4	-	10.5	13	7	18.5	.008
6	G1/8	3118 06 10	4	13	10.5	17	7	20	.011
6	G1/4	3118 06 13	5.5	17	10.5	21	9	22	.015
8	G1/8	3118 08 10	4	13	13.5	16.5	7	25	.022
8	G1/4	3118 08 13	5.5	17	13.5	21	9	27	.030
8	G3/8	3118 08 17	5.5	20	13.5	24.5	11	29	.049
10	G1/4	3118 10 13	5.5	17	16	21	9	29	.058
10	G3/8	3118 10 17	5.5	20	16	24.5	11	31	.061
10	G1/2	3118 10 21	8	25	19	27.5	13.5	36.5	.085
12	G3/8	3118 12 17	5.5	20	19	24.5	11.5	34.5	.067
12	G1/2	3118 12 21	8	25	19	27.5	13.5	36.5	.072



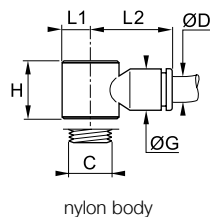
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Stacking

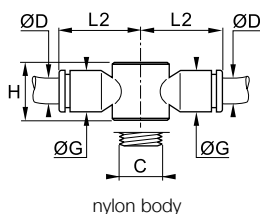
By stacking two and three compact bodies on top of each other using one bolt, a wide range of permutations of fittings, modules and manifolds can be constructed. Between two to six outlets in one modular construction are possible; the tube diameters may be different or the same. Parker Legris banjo bodies offer wide flexibility in the creation of fittings to meet the personalized requirements of the end user.

3538 single banjo bodies metric tube to BSPP or M5



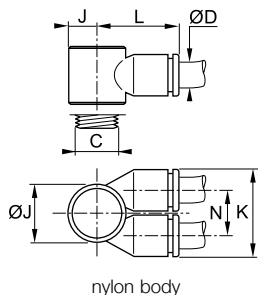
ØD mm	C BSPP/M5	Part Number	G mm	H mm	L1 mm	L2 mm	kg
4	M5x0.8	3538 04 19	8.5	13	5	16	.004
4	G1/8	3538 04 10	10.5	14.5	7	18.5	.006
6	M5x0.8	3538 06 19	11	13	5	18.5	.004
6	G1/8	3538 06 10	10.5	14.5	7	20	.007
6	G1/4	3538 06 13	13.5	18	9.5	22	.009
8	G1/8	3538 08 10	13.5	14.5	7	25	.015
8	G1/4	3538 08 13	13.5	18	9.5	27	.020
8	G3/8	3538 08 17	13.5	21.5	11.5	29	.020
10	G1/4	3538 10 13	16	18	9.5	29	.035
10	G3/8	3538 10 17	16	21.5	11.5	31	.035
12	G3/8	3538 12 17	19	21.5	11.5	34.5	.040
12	G1/2	3538 12 21	19	22.5	13.5	36.5	.040

3539 double banjo bodies metric tube to BSPP or M5



ØD mm	C BSPP/M5	Part Number	G mm	H mm	L2 mm	kg
6	G1/8	3539 06 10	10.5	14.35	20	.011
6	G1/4	3539 06 13	13.5	18	26	.012
8	G1/8	3539 08 10	13.5	14.5	25	.015
8	G1/4	3539 08 13	13.5	18	27	.017
8	G3/8	3539 08 17	16	21.5	30.5	.025
10	G3/8	3539 10 17	16	21.5	31	.025

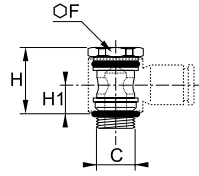
3549 twin banjo bodies metric tube to BSPP or M5



ØD mm	C BSPP/M5	Part Number	J mm	K mm	L mm	N mm	kg
4	G1/4	3549 04 13	18.5	28	25	14.5	.011
6	G1/8	3549 06 10	14	22.5	20.5	12	.011
6	G1/4	3549 06 13	18.5	28	25	14.5	.012
6	G3/8	3549 06 17	22.5	33	28.5	17	.022
8	G1/4	3549 08 13	18.5	28	26	14.5	.017
8	G3/8	3549 08 17	22.5	33	29.5	17	.025



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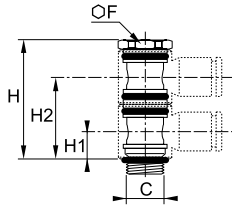


brass stem with "O" ring seal
full bore

3527 | single banjo bolts BSPP or M5

C BSPP/M5	Part Number	F mm	H mm	H1 mm	kg
M5x0.8	3527 00 19*	-	17	7.5	.003
G1/8	3527 00 10	13	17	7.5	.014
G1/4	3527 00 13	17	21	9.5	.024
G3/8	3527 00 17	20	24.5	11	.038
G1/2	3527 00 21	25	27.5	11.5	.050

*With screwdriver slot



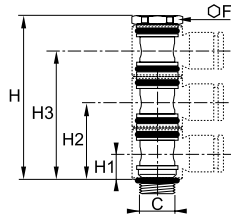
brass stem with "O" ring seal
full bore

3528 | stacking banjo for 2 body high modules BSPP or M5

C BSPP/M5	Part Number	F mm	H mm	H1 mm	H2 mm	kg
M5x0.8	3528 00 19*	-	24.5	7.5	18.5	.004
G1/8	3528 00 10	13	31	7.5	22	.020
G1/4	3528 00 13	17	39	9.5	27.5	.029
G3/8	3528 00 17	20	46	11	32.5	.048

*With screwdriver slot

Designed for use with two banjo bodies

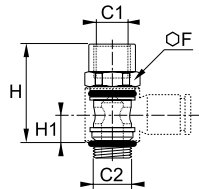


brass stem with "O" ring seal
full bore

3529 | stacking banjo for 3 body high modules BSPP

C BSPP	Part Number	F mm	H mm	H1 mm	H2 mm	H3 mm	kg
G1/8	3529 00 10	13	45.5	7.5	22	36	.026
G1/4	3529 00 13	17	54	9.5	27.5	45.5	.036
G3/8	3529 00 17	20	67.5	11	32.5	54	.059

*Designed for use with three banjo bodies



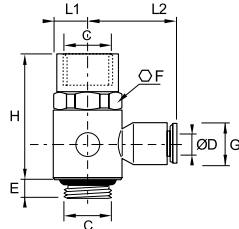
brass stem with "O" ring seal
full bore

3524 | female threaded banjo bolts BSPP or M5

C1 BSPP/M5	C2 BSPP/M5	Part Number	F mm	H mm	H1 mm	kg
M5x0.8	M5x0.8	3524 00 19	8	17	7.5	.004
G1/8	G1/8	3524 00 10	13	24.5	7.5	.017
G1/4	G1/4	3524 00 13	17	33	9.5	.026
G3/8	G3/8	3524 00 17	20	37.5	11	.045
G1/2	G1/2	3524 00 21	25	42	11.5	.057



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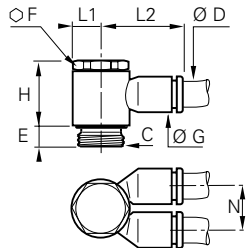
3124 | **banjo with female BSPP bolt** metric tube to BSPP or M5

nylon body,
nickel-plated brass bolt,
with "O" ring seal

ØD mm	C BSPP/M5	Part Number	E mm	F mm	G mm	H mm	L1 mm	L2 mm	kg
4	G1/8	3124 04 10	4	13	8.5	25.5	7	18.5	.012
6	G1/4	3124 06 13	5.5	17	10.5	33	9	22	.031
8	G3/8	3124 08 17	5.5	20	13.5	37.5	11	29	.056

This is a useful component allowing:

- The mounting of function fittings (sensors, flow controls and pressure reducers).
- Tapping off of a pneumatic supply from a pneumatic cylinder.

3149/3049 | **twin banjo** tube to NPT, UNF, BSPP or M5

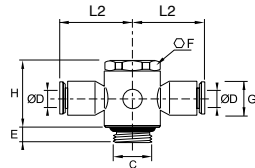
nylon body,
nickel-plated brass bolt,
with "O" ring seal

ØD in	C NPT/UNF	Part Number fractional inch	E in	F mm	G in	H in	L1 in	L2 in	N in	kg
5/32	10-32	3149 04 20	.16	-	.33	.63	.20	.61	.45	.28
5/32	1/8	3049 04 11	-	13	.43	.73	.28	.73	.57	.46
1/4	1/8	3049 56 11	-	13	.43	.73	.28	.73	.57	.46
1/4	1/4	3049 56 14	-	17	.43	.89	.37	1.04	.57	1.20
3/8	1/4	3049 60 14	-	21	.63	1.04	.43	1.22	.67	1.20
3/8	3/8	3049 60 18	-	21	.63	1.04	.43	1.22	.67	2.33

ØD in	C BSPP/M5	Part Number metric	E in	F mm	G in	H in	L1 in	L2 in	N in	kg
4	M5x0.8	3149 04 19*	4	-	8.5	13	4.5	16	9	.008
4	G1/8	3149 04 10	4	13	10.5	16.5	7	18.5	11.5	.013
6	G1/8	3149 06 10	4	13	10.5	16.5	7	18.5	11.5	.013
6	G1/4	3149 06 13	5.5	17	13.5	21	9.5	27	14.5	.034
8	G1/4	3149 08 13	5.5	17	13.5	21	9.5	27	14.5	.034
8	G3/8	3149 08 17	5.5	20	16	24.5	11	31	17	.066
10	G3/8	3149 10 17	5.5	20	16	24.5	11	31	17	.066

*With screwdriver slot

This fitting provides two parallel outlets on the same side.

3119 | **double banjo** metric tube to BSPP or M5

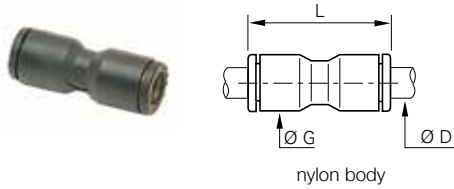
nylon body,
nickel-plated brass bolt,
with "O" ring seal

ØD mm	C BSPP/M5	Part Number	E mm	F mm	G mm	H mm	L2 mm	kg
4	M5x0.8	3119 04 19*	4	-	8.5	13	16	.005
6	G1/8	3119 06 10	4	13	11	17	20	.024
6	G1/4	3119 06 13	5.5	17	13.5	21	26.5	.031
8	G1/4	3119 08 13	5.5	17	13.5	21	27	.033
8	G3/8	3119 08 17	5.5	20	16	24.5	30.5	.052

*With screwdriver slot



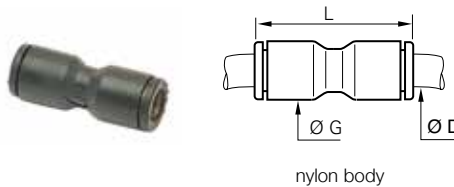
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3106 | **union** fractional inch tube to tube

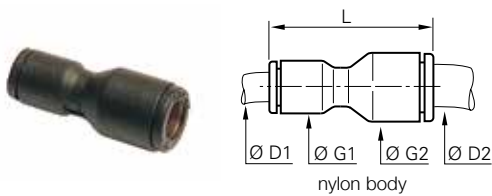
ØD in	Part Number	G in	L in	
1/8	3106 53 00	.34	.97	.11
5/32	3106 04 00	.33	.98	.07
3/16	3106 55 00	.43	1.44	.39
1/4	3106 56 00	.43	1.16	.14
5/16	3106 08 00	.53	1.50	.25
3/8	3106 60 00	.63	1.65	.40
1/2	3106 62 00	.87	2.17	.95

3106 | **unequal union** fractional inch tube to tube

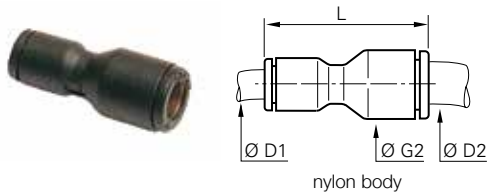
ØD1 in	ØD2 in	Part Number	G2 in	L in	
1/8	5/32	3106 53 04	.33	.96	.11
1/8	1/4	3106 53 56	.43	1.32	.34
5/32	1/4	3106 04 56	.43	1.16	.34
1/4	5/16	3106 56 08	.53	1.44	.40
3/8	1/4	3106 60 56	.63	1.61	.50
3/8	1/2	3106 60 62	.87	2.17	.55

3106 | **union** metric tube to tube

ØD mm	Part Number	G mm	L mm	
3	3106 03 00	8.5	25	.002
4	3106 04 00	8.5	25	.002
6	3106 06 00	10.5	28.5	.004
8	3106 08 00	13.5	38	.007
10	3106 10 00	16	42	.009
12	3106 12 00	19	50.5	.015
14	3106 14 00	22	56	.043
16	3106 16 00	27	60.5	.045

3106 | **unequal union** metric tube to tube

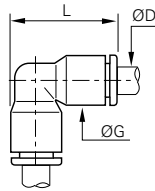
ØD1 mm	ØD2 mm	Part Number	G1 mm	G2 mm	L mm	
3	4	3106 03 04	8.5	8.5	25	.002
4	6	3106 04 06	8.5	11	28	.008
4	8	3106 04 08	13.5	13.5	38	.010
6	8	3106 06 08	13.5	13.5	38	.012
6	10	3106 06 10	16	16	42	.018
8	10	3106 08 10	16	16	42	.020
8	12	3106 08 12	19	19	50.5	.031
10	12	3106 10 12	19	19	50.5	.022
12	14	3106 12 14	22	22	56	.024
12	16	3106 12 16	27	27	61	.066

3106 | **converters** metric to fractional inch

ØD1	ØD2	Part Number	G2 in	L in	
6	1/4	3106 06 56	.43	1.18	.14
3/8	10	3106 60 10	.78	1.99	.40
12	1/2	3106 12 62	.87	2.25	.95

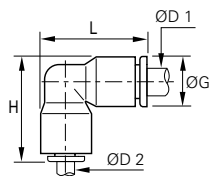


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3102 | **union elbow** fractional inch tube to tube

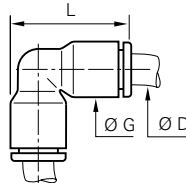
nylon body

ØD in	Part Number	G in	L in	oz
1/8	3102 53 00	.33	.71	.11
5/32	3102 04 00	.33	.75	.07
3/16	3102 55 00	.43	1.07	.55
1/4	3102 56 00	.43	.93	.15
5/16	3102 08 00	.53	1.16	.25
3/8	3102 60 00	.63	1.33	.41
1/2	3102 62 00	.87	1.38	.65

3102 | **unequal union elbow** fractional inch tube to tube

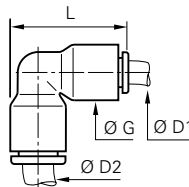
nylon body

ØD1 in	ØD2 in	Part Number	G1 in	G2 in	L in	oz
1/8	1/4	3102 53 56	.43	.93	.93	.20
5/32	1/4	3102 04 56	.43	.93	.93	.25
3/8	1/4	3102 60 56	.63	1.30	1.33	.50
3/8	1/2	3102 60 62	.87	1.81	1.81	.65

3102 | **union elbow** metric tube to tube

nylon body

ØD mm	Part Number	G mm	L mm	kg
4	3102 04 00	8.5	19	.002
6	3102 06 00	10.5	22.5	.004
8	3102 08 00	13.5	29.5	.007
10	3102 10 00	16	34.5	.015
12	3102 12 00	19	40.5	.017
14	3102 14 00	22	46.5	.045
16	3102 16 00	27	52	.004

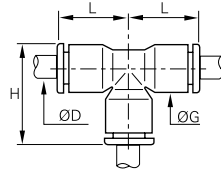
3102 | **unequal union elbow** metric tube to tube

nylon body

ØD1 mm	ØD2 mm	Part Number	G mm	L mm	kg
4	6	3102 04 06	10.5	22.5	.004
6	8	3102 06 08	13.5	29.5	.007
8	10	3102 08 10	16	34.5	.015
10	12	3102 10 12	19	40.5	.017

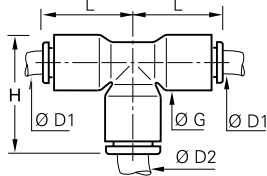


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3104 | **union tee** fractional inch tube to tube to tube

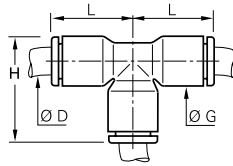
nylon body

ØD in	Part Number	G in	H in	L in	oz
1/8	3104 53 00	.33	.75	.57	.15
5/32	3104 04 00	.33	.75	.57	.14
3/16	3104 55 00	.43	1.07	.85	.58
1/4	3104 56 00	.43	.89	.71	.22
5/16	3104 08 00	.53	1.16	.91	.32
3/8	3104 60 00	.63	1.34	1.02	.64
1/2	3104 62 00	.87	1.81	1.38	1.74

3104 | **unequal union tee** fractional inch tube to tube to tube

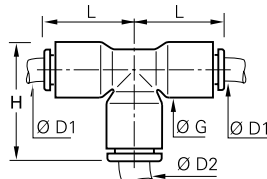
nylon body

ØD1 in	ØD2 in	Part Number	G1 in	H in	L in	oz
1/8	1/4	3104 53 56	.43	.93	.71	.20
5/32	1/4	3104 04 56	.43	.93	.71	.28
1/4	1/8	3104 56 53	.43	.93	.73	.35
1/4	5/32	3104 56 04	.43	.93	.73	.40
1/4	3/8	3104 56 60	.63	1.32	.96	.60
3/8	1/4	3104 60 56	.63	1.28	1.00	.65
3/8	1/2	3104 60 62	.87	1.81	1.38	.70
1/2	1/4	3104 62 56	.87	1.81	1.38	.73
1/2	3/8	3104 62 60	.87	1.81	1.38	.75

3104 | **union tee** metric tube to tube to tube

nylon body

ØD mm	Part Number	G mm	H mm	L mm	kg
3	3104 03 00	8.5	19	14.5	.004
4	3104 04 00	8.5	19	14.5	.004
6	3104 06 00	10.5	23.5	18	.006
8	3104 08 00	13.5	29.5	23	.009
10	3104 10 00	16	34.5	26.5	.014
12	3104 12 00	19	40.5	31	.019
14	3104 14 00	22	46	35.5	.024
16	3104 16 00	27	52	39	.029

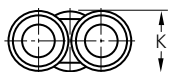
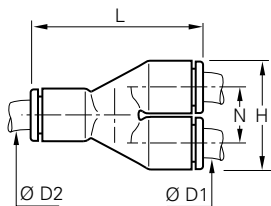
3104 | **unequal union tee** metric tube to tube to tube

nylon body

ØD1 mm	ØD2 mm	Part Number	G mm	H mm	L mm	kg
4	6	3104 04 06	10.5	22.5	17.5	.006
6	4	3104 06 04	10.5	22.5	17.5	.006
6	8	3104 06 08	13.5	29.5	23	.009
8	6	3104 08 06	13.5	29.5	23	.009
8	10	3104 08 10	16	34.5	26.5	.014
10	8	3104 10 08	16	34.5	26.5	.019
10	12	3104 10 12	19	40.5	31	.019
12	10	3104 12 10	19	40.5	31	.019
14	8	3104 14 08	22	46	35.5	.034
16	12	3104 16 12	27	52.5	39	.036

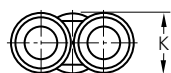
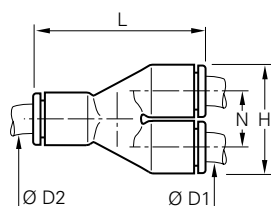


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3140 “Y” union fractional inch tube to tube

nylon body

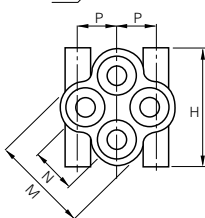
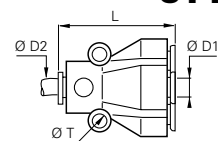
ØD1 in	ØD2 in	Part Number	H in	K in	L in	N in	oz
1/8	1/8	3140 53 00	.69	.33	1.12	.35	.16
5/32	5/32	3140 04 00	.69	.34	1.12	.35	.14
3/16	3/16	3140 55 00	.87	.34	1.77	.45	.10
1/4	1/4	3140 56 00	.87	.43	1.42	.45	.24
5/16	5/16	3140 08 00	1.10	.53	1.77	.57	.46
3/8	3/8	3140 60 00	1.30	.63	2.09	.67	.59
1/2	1/2	3140 62 00	1.77	.87	2.64	.91	.88
1/8	1/4	3140 53 56	.87	.43	1.42	.45	.20
5/32	1/4	3140 04 56	.87	.43	1.42	.45	.43
1/4	3/8	3140 56 60	1.30	.63	1.31	.67	.50

3140 “Y” union metric tube to tube

nylon body

ØD1 mm	ØD2 mm	Part Number	H mm	K mm	L mm	N mm	kg
4	4	3140 04 00	17.5	8.5	28.5	9	.004
6	6	3140 06 00	21.5	10.5	35	11	.007
8	8	3140 08 00	28	13.5	45	14.5	.013
10	10	3140 10 00	33	16	53	17	.020
12	12	3140 12 00	39	19	57	20	.025

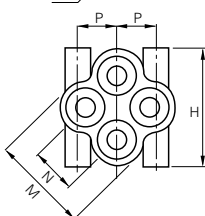
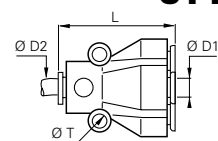
ØD1 mm	ØD2 mm	Part Number	H mm	K mm	L mm	N mm	kg
4	6	3140 04 06	17.5	10.5	33	9	.005
6	8	3140 06 08	22.5	13.5	41	11.5	.019
8	10	3140 08 10	28	16	47	14.5	.015
10	12	3140 10 12	33	19	57	17	.022

3144 double “Y” union fractional inch tube to tube

nylon body

ØD1 in	ØD2 in	Part Number	H in	L in	M in	N in	P in	ØT in	oz
5/32	5/32	3144 04 04	1.00	1.20	.83	.39	.34	.15	.95
5/32	1/4	3144 04 56	1.00	1.18	.83	.39	.34	.15	.95

ØT = I.D. of mounting hole (see page A31)

3144 multiple “Y” union metric tube to tube

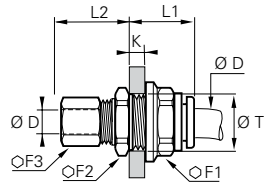
nylon body

ØD1 mm	ØD2 mm	Part Number	H mm	L mm	M mm	N mm	P mm	ØT mm	kg
4	4	3144 04 04	25.5	30.5	21	10	8.5	3.7	.027
6	6	3144 06 06	31.5	37.5	26.5	12	10	3.7	.043
4	6	3144 04 06	25.5	30.5	21	10	8.5	3.7	.027
6	8	3144 06 08	31.5	38	26.5	12	10	3.7	.045

ØT = I.D. of mounting hole (see page A31)



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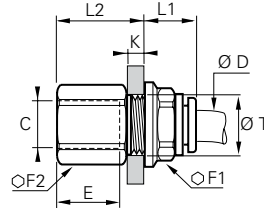


nickel-plated brass body

3146 mixed bulkhead connector metric tube

ØD mm	Part Number	F1 mm	F2 mm	F3 mm	K max mm	L1 mm	L2 mm	ØT min mm	kg
4	3146 04 00	13	13	10	7	17.5	17.5	10.5	.021
6	3146 06 00	15	17	13	8	19	18	12.5	.030
8	3146 08 00	18	19	14	8	20.5	20.5	15.5	.038
10	3146 10 00	22	22	19	8.5	23	24.5	18.5	.071
12	3146 12 00	26	25	22	8.5	27	25	22.5	.086
14	3146 14 00	29	29	24	10.5	27	27	25.5	.125

The plastic nut is fitted with an "O" ring to optimize sealing in relation to the panel.



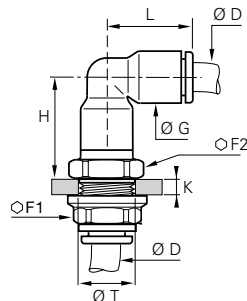
nickel-plated brass body

3036/3136 female bulkhead connector tube to NPT or BSPP

ØD in	C NPT	Part Number	E in	F1 mm	F2 mm	K max in	L1 in	L2 in	ØT min in	oz
1/8	1/8	3036 53 11	.37	13	13	.28	.39	.73	.41	.75
5/32	1/8	3036 04 11	.37	13	13	.28	.39	.73	.41	.88
5/32	1/4	3036 04 14	.55	13	16	.32	.39	.95	.41	.99
1/4	1/8	3036 56 11	.37	18	17	.32	.45	.96	.61	1.23
1/4	1/4	3036 56 14	.55	18	17	.32	.45	.91	.61	1.41
3/8	1/4	3036 60 14	.55	22	22	.33	.55	.87	.73	2.57
3/8	3/8	3036 60 18	.55	22	22	.33	.55	1.02	.73	2.65

ØD mm	C BSPP	Part Number	E mm	F1 mm	F2 mm	K max mm	L1 mm	L2 mm	ØT min mm	kg
4	G1/8	3136 04 10	9.5	13	13	7	17.5	10.5	10.5	.025
4	G1/4	3136 04 13	13.5	16	13	7	17.5	14.5	10.5	.028
6	G1/8	3136 06 10	9.5	15	13	8	19	10.5	12.5	.035
6	G1/4	3136 06 13	13.5	17	13	7	19	14.5	12.5	.040
6	G3/8	3136 06 17	12	15	22	8	19	16	12.5	.041
8	G1/8	3136 08 10	9.5	17	18	8	20.5	10.5	15.5	.048
8	G1/4	3136 08 13	13.5	17	18	8	20.5	14.5	15.5	.055
10	G3/8	3136 10 17	14	22	22	8.5	23	16	20.5	.073
12	G3/8	3136 12 17	14	26	25	8.5	27	16	22.5	.092
12	G1/2	3136 12 21	18.5	26	26	8.5	27	21.5	22.5	.118
16	G3/8	3136 16 17	12	29	29	10.5	30	15	27.5	.008
16	G1/2	3136 16 21	15	29	29	10.5	30	19.5	27.5	.008

The plastic nut is fitted with an "O" ring to optimize sealing in relation to the panel.



nylon body

The body is orientable for positioning purposes

3139 equal bulkhead elbow tube to tube

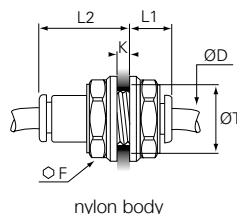
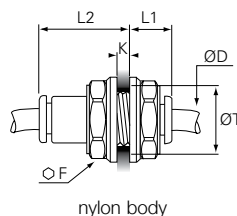
ØD in	Part Number	F1 in	F2 mm	G in	H in	K max in	L in	ØT min in	oz
1/8	3139 53 00	13	13	.35	.71	.28	.57	.41	.67
5/32	3139 04 00	13	13	.33	.83	.26	.67	.41	.67
1/4	3139 56 00	18	17	.43	.87	.32	.71	.61	.85
5/16	3139 08 00	18	18	.53	1.22	.31	.94	.61	1.23
3/8	3139 60 00	22	22	.63	1.08	.33	1.00	.73	2.80
1/2	3139 62 00	29	27	.87	1.54	.41	1.38	1.00	4.34

ØD mm	Part Number	F1 mm	F2 mm	G mm	H mm	K max mm	L mm	ØT min mm	kg
4	3139 04 00	13	13	8.5	21	6.5	17	10.5	.019
6	3139 06 00	15	15	10.5	24.5	7	19.5	12.5	.024
8	3139 08 00	18	18	13.5	31	8	24	15.5	.035
10	3139 10 00	22	22	16	36	8.5	28	18.5	.081
12	3139 12 00	26	26	19	42	8.5	33	22.5	.123
14	3139 14 00	29	29	25.5	48	10.5	37.5	25.5	.143

The plastic nut is fitted with an "O" ring to optimize sealing in relation to the panel.



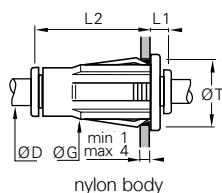
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3116 bulkhead union tube to tube

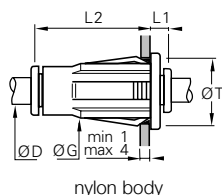
ØD in	Part Number	F mm	K max in	L1 in	L2 in	ØT max in	oz	Max Torque
1/8	3116 53 00	13	.22	.37	.61	.41	.64	11 lb. in.
3/16	3116 55 00	15	.33	.55	.94	.47	.67	11 lb. in.
5/32	3116 04 00	13	.22	.59	.39	.41	.67	11 lb. in.
1/4	3116 56 00	16	.35	.37	.81	.53	.24	13 lb. in.
5/16	3116 08 00	18	.57	.98	.53	.61	1.16	15 lb. in.
3/8	3116 60 00	22	.57	.51	1.18	.73	.65	22 lb. in.
1/2	3116 62 00	29	.81	.67	1.61	1.00	3.60	22 lb. in.

ØD mm	Part Number	F mm	K max in	L1 mm	L2 mm	ØT min mm	kg
4	3116 04 00	13	5.5	15	10	10.5	.018
6	3116 06 00	15	8.5	18	10.5	12.5	.029
8	3116 08 00	18	14.5	25	13.5	15.5	.037
10	3116 10 00	22	14.5	27.5	15.5	18.5	.084
12	3116 12 00	26	18.5	33	18	22.5	.102
14	3116 14 00	29	20.5	37.5	20.5	25.5	.135

The plastic nut is fitted with an "O" ring to optimize sealing in relation to the panel.

3156 plug-in bulkhead union fractional inch tube to tube

ØD in	Part Number	G in	L1 in	L2 in	ØT min in	oz
5/32	3156 04 00	.83	.26	1.08	.62	.25
1/4	3156 56 00	.93	.26	1.24	.75	.41
5/16	3156 08 00	1.02	.30	1.28	.87	.57
3/8	3156 60 00	1.34	.30	1.63	1.12	1.30
1/2	3156 62 00	1.44	.30	1.71	1.25	1.41

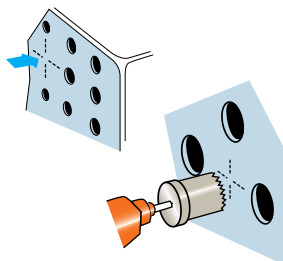
3156 plug-in bulkhead union metric tube to tube

ØD mm	Part Number	G mm	L1 mm	L2 mm	ØT min mm	kg
4	3156 04 00	5.33	6.60	27.43	15.57	.007
6	3156 06 00	9.91	6.60	31.50	19.05	.012
8	3156 08 00	6.60	7.62	32.51	22.10	.0167
12	3156 12 00	36.58	7.62	43.43	31.75	.040

To facilitate color coding, please refer to page A46 for colored caps.

Installation

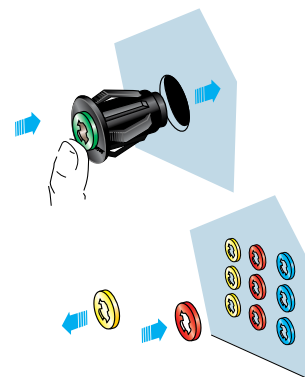
1. Mark out the fixing hole
2. Make hole in panel



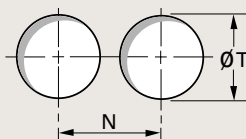
3. Simply push the fitting into place

4. To complete the installation

5. To identify circuits simply remove the black release button and replace with colored one



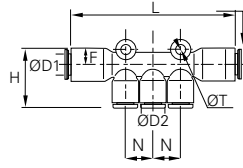
Minimum distance between fittings.
Diameter of fixing hole.



ØD	5/32	1/4	5/16	3/8	1/2
ØT inches	5/8	3/4	7/8	1 1/8	1 1/4
mm	15.87	19.05	22.22	28.57	31.75
N in	.89	1.00	1.08	1.34	1.50
tolerance	ØT : +0.3 -0.1				



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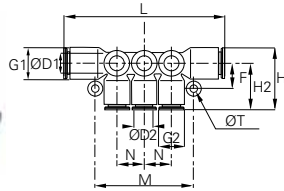
3304 | multiple tee with mounting holes

nylon body

ØD1 in	ØD2 in	Part Number	H in	L in	N in	ØT in	
1/4	5/32	3304 56 04	.97	2.81	.45	.17	.81
1/4	1/4	3304 56 56	1.22	3.14	.61	.17	1.00
5/16	5/32	3304 08 04	.96	2.91	.45	.17	1.09
3/8	1/4	3304 60 56	1.34	3.21	.61	.17	2.05

ØD1 mm	ØD2 mm	Part Number	H mm	L mm	N mm	ØT mm	
6	4	3304 06 04	24.5	74	11.5	4.2	.023
8	4	3304 08 04	24.5	74	11.5	4.2	.031
8	6	3304 08 06	24.5	74	11.5	4.2	.033
10	6	3304 10 06	36	81	14.5	4.2	.058
10	8	3304 10 08	36	81	14.5	4.2	.060

ØT = I.D. of mounting hole

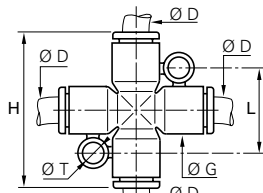
3306 | double multiple tee with mounting holes

nylon body

ØD1 in	ØD2 in	Part Number	F in	G1 in	G2 in	H in	L in	N in	M in	ØT in	
1/4	5/32	3306 56 04	.45	.53	.43	.73	2.84	.45	1.69	.17	.85
1/4	1/4	3306 56 56	.45	.53	.43	.73	2.84	.45	1.69	.17	1.25
5/16	5/32	3306 08 04	.45	.53	.43	.77	2.87	.45	1.69	.17	1.13
3/8	1/4	3306 60 56	.51	.63	.53	.91	3.31	.57	2.05	.17	2.30

ØD1 mm	ØD2 mm	Part Number	F mm	G1 mm	G2 mm	H mm	L mm	N mm	M mm	ØT mm	
6	4	3306 06 04	11.5	13.5	11	18.5	72	11.5	43	4.2	.02
8	4	3306 08 04	11.5	13.5	11	18.5	73	11.5	43	4.2	.03
8	6	3306 08 06	11.5	13.5	11	18.5	73	11.5	43	4.2	.05
10	6	3306 10 06	13	16	13.5	23.0	84	14.5	52	4.2	.06
10	8	3306 10 08	13	16	13.5	23.5	84	14.5	52	4.2	.07

ØT = I.D. of mounting hole

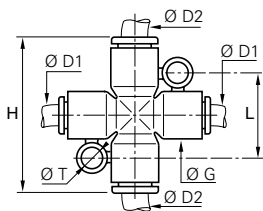
3107 | equal cross

nylon body

ØD in	Part Number	G in	H in	L in	ØT in	
5/32	3107 04 00	.43	1.42	.79	.17	.35
3/16	3107 55 00	.43	1.81	.79	.17	.71
1/4	3107 56 00	.43	1.40	.79	.17	.35
5/16	3107 08 00	.53	1.81	.89	.17	.71

ØD in	Part Number	G mm	H mm	L mm	ØT mm	
4	3107 04 00	11	36	20	4.2	.010
6	3107 06 00	11	36	20	4.2	.010
8	3107 08 00	13.5	46	22.5	4.2	.020

ØT = I.D. of mounting hole

3107 | unequal cross metric

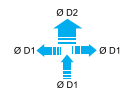
nylon body

ØD1 mm	ØD2 mm	Part Number	G mm	H mm	L mm	ØT mm	
4	6	3107 04 06	11	36	20	4.2	.010
6	8	3107 06 08	13.5	46	22.5	4.2	.020
4	6	3107 06 04*	11	36	20	4.2	.010
6	8	3107 08 06*	13.5	46	22.5	4.2	.020

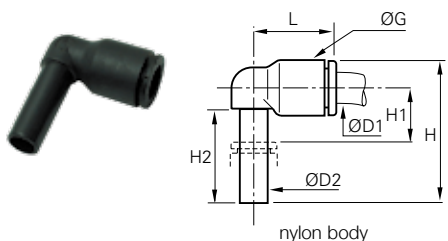
This model provides two outlets ØD1 of equal diameters and two outlets ØD2 of a different diameter.

* This model provides three outlets ØD1 of equal diameters and one outlet ØD2 of a different diameter.

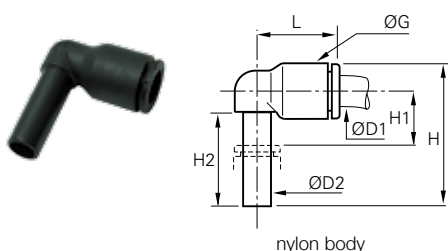
ØT = I.D. of mounting hole



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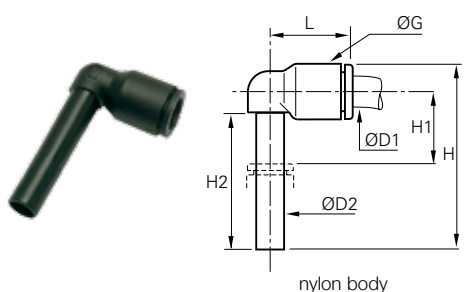
3182 plug-in elbow fractional inch

ØD1 in	ØD2 in	Part Number	G in	H in	H1 in	H2 in	L in	oz
1/8	1/8	3182 53 00	.33	.92	.31	.64	.57	.08
5/32	5/32	3182 04 00	.33	.91	.24	.61	.55	.11
5/32	1/4	3182 04 56	.43	1.08	.30	.71	.71	.20
1/4	1/4	3182 56 00	.43	1.20	.43	.83	.73	.11
1/4	3/8	3182 56 60	.63	1.52	.35	.96	.98	.14
5/16	5/16	3182 08 00	.53	1.32	.32	.85	.91	.14
3/8	3/8	3182 60 00	.63	1.52	.35	.96	1.02	.32
1/2	1/2	3182 62 00	.87	2.00	.51	1.12	1.38	.32

3182 plug-in elbow metric

ØD1 mm	ØD2 mm	Part Number	G mm	H mm	H1 mm	H2 mm	L mm	kg
4	4	3182 04 00	8.5	23	6	15.5	14	.003
6	6	3182 06 00	10.5	26.5	7	17	16	.003
8	8	3182 08 00	13.5	33.5	8	21.5	23	.004
10	10	3182 10 00	16	39	9.5	24.5	23.5	.009
12	12	3182 12 00	19	44.5	10	27.5	31	.012

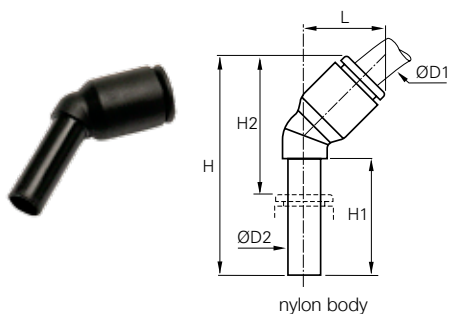
ØD1 mm	ØD2 mm	Part Number	G mm	H mm	H1 mm	H2 mm	L mm	kg
4	6	3182 04 06	10.5	26.5	7	17	16	.003
6	4	3182 06 04	10.5	24.5	7	15.5	16	.003
6	8	3182 06 08	13.5	33.5	8	21.5	22	.004
8	10	3182 08 10	16	39	9.5	24.5	26.5	.009
10	12	3182 10 12	19	44.5	10	27.5	31	.012

3184 extended plug-in elbow

ØD1 in	ØD2 in	Part Number	G in	H in	H1 in	H2 in	L in	oz
1/8	1/8	3184 53 00	.33	1.26	.65	.98	.57	.18
5/32	5/32	3184 04 00	.33	1.28	.61	.98	.55	.18
1/4	1/4	3184 56 00	.43	1.56	.77	1.18	.71	.18
5/16	5/16	3184 08 00	.53	1.93	.93	1.46	.91	.21
3/8	3/8	3184 60 00	.63	2.19	1.02	1.63	1.02	.39

ØD1 mm	ØD2 mm	Part Number	G mm	H mm	H1 mm	H2 mm	L mm	kg
4	4	3184 04 00	8.5	32.5	15.5	25	14	.005
6	6	3184 06 00	10.5	38.5	19	29	16	.005
8	8	3184 08 00	13.5	49	23.5	37	23	.006
10	10	3184 10 00	16	56	26.5	41.5	26.5	.011
12	12	3184 12 00	19	62.5	28	45.5	31	.014

ØD1 mm	ØD2 mm	Part Number	G mm	H mm	H1 mm	H2 mm	L mm	kg
4	6	3184 04 06	10.5	38.5	19	29	16	.005
6	8	3184 06 08	13.5	49	23.5	37	23	.006
8	10	3184 08 10	16	56	26.5	41.5	26.5	.011
10	12	3184 10 12	19	62.5	28	45.5	31	.014

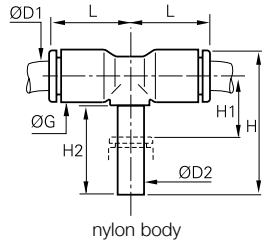
3180 45° plug-in elbow

ØD1 in	ØD2 in	Part Number	H in	H1 in	H2 in	L in	oz
1/8	1/8	3180 53 00	1.14	.59	.69	.47	.18
5/32	5/32	3180 04 00	1.32	.75	.83	.51	.18
1/4	1/4	3180 56 00	1.44	.71	.87	.57	.18
5/16	5/16	3180 08 00	1.73	.85	1.00	.77	.21
3/8	3/8	3180 60 00	2.00	.96	1.16	.91	.32

ØD1 mm	ØD2 mm	Part Number	H mm	H1 mm	H2 mm	L mm	kg
4	4	3180 04 00	33.5	19	21	13	.005
6	6	3180 06 00	39	21	25	14.5	.005
8	8	3180 08 00	44	21.5	25.5	19.5	.006
10	10	3180 10 00	53	27	32.5	23	.009
12	12	3180 12 00	58.5	27.5	34	26.5	.012

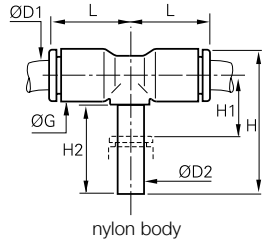


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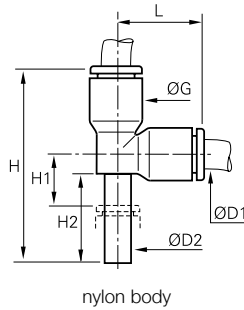
3188 plug-in tee fractional inch

ØD in	Part Number	G in	H in	H1 in	H2 in	L in	oz
1/8	3188 53 00	.33	.95	.26	.59	.57	.083
5/32	3188 04 00	.33	.91	.24	.61	.57	.18
1/4	3188 56 00	.43	.98	.43	.77	.73	.18
5/16	3188 08 00	.53	1.32	.32	.85	.91	.28
3/8	3188 60 00	.63	1.61	.35	.96	.98	.423
1/2	3188 62 00	.87	2.01	.51	1.12	1.38	.600



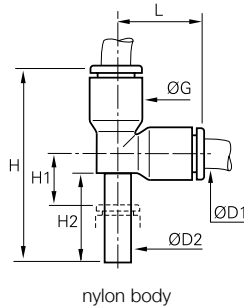
3188 plug-in tee metric

ØD1 mm	ØD2 mm	Part Number	G mm	H mm	H1 mm	H2 mm	L mm	kg
4	4	3188 04 00	8.5	23	6	15.5	14.5	.005
6	6	3188 06 00	10.5	26.5	7	17	16	.006
8	8	3188 08 00	13.5	33.5	8	21.5	23	.008
10	10	3188 10 00	16	39	9.5	24.5	26.5	.012
12	12	3188 12 00	19	44.5	10	27.5	31	.017
4	6	3188 04 06	10.5	26.5	7	17	16	.006
6	8	3188 06 08	13.5	33.5	8	21.5	23	.007
8	10	3188 08 10	16	39	9.5	24.5	26.5	.011
10	12	3188 10 12	19	44.5	10	27.5	31	.016



3183 plug-in run tee fractional inch

ØD in	Part Number	G in	H in	H1 in	H2 in	L in	oz
5/32	3183 04 00	.33	1.30	.24	.61	.57	.18
1/4	3183 56 00	.43	1.69	.43	.83	.73	.21
5/16	3183 08 00	.53	1.93	.32	.85	.91	.28
3/8	3183 60 00	.63	2.23	.33	.96	1.00	.423
1/2	3183 62 00	.87	2.86	.51	1.12	1.38	.600

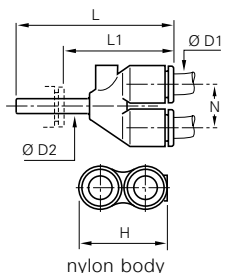


3183 plug-in run tee metric

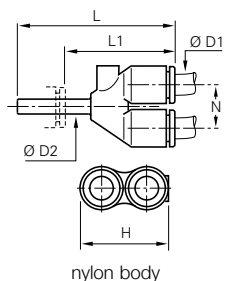
ØD1 mm	ØD2 mm	Part Number	G mm	H mm	H1 mm	H2 mm	L mm	kg
4	4	3183 04 00	8.5	33	6	15.5	14.5	.005
6	6	3183 06 00	10.5	38.5	7	17	17.5	.006
8	8	3183 08 00	13.5	49	8	21.5	23	.008
10	10	3183 10 00	16	57	10.5	24.5	26.5	.012
12	12	3183 12 00	19	65.5	10.5	27.5	31	.017
4	6	3183 04 06	10.5	38.5	7	17	17.5	.006
6	8	3183 06 08	13.5	48.5	8	21.5	23	.007
8	10	3183 08 10	16	56.5	10.5	24.5	26.5	.011
10	12	3183 10 12	19	65.5	10.5	27.5	31	.016



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3142 plug-in "Y" fractional inch

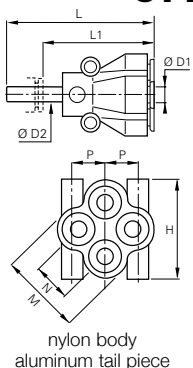
ØD1 in	ØD2 in	Part Number	H in	L in	L1 in	N in	oz
1/8	1/8	3142 53 00	.69	1.36	1.00	.35	.13
5/32	5/32	3142 04 00	.69	1.34	.85	.35	.18
1/4	1/4	3142 56 00	.87	1.60	1.02	.45	.282
5/16	5/16	3142 08 00	1.10	2.00	1.26	.57	.49
3/8	3/8	3142 60 00	1.30	2.23	1.42	.67	.741

3142 plug-in "Y" metric

ØD1 in	ØD2 in	Part Number	H mm	L mm	L1 mm	N mm	kg
4	4	3142 04 00	17.5	34	21.5	9	.005
6	6	3142 06 00	21.5	39.5	25.5	11	.008
8	8	3142 08 00	28	50.5	32	14.5	.014
10	10	3142 10 00	33	57.5	36	17	.021
12	12	3142 12 00	39	66	41	20	.026

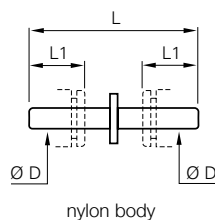
ØD1 in	ØD2 in	Part Number	H mm	L mm	L1 mm	N mm	kg
4	6	3142 04 06*	17.5	35.5	21.5	9	.005
6	8	3142 06 08*	22	44.5	26	11	.008
8	10	3142 08 10*	28	53.5	32	14.5	.014
10	12	3142 10 12*	33	60	35	17	.021

* one inlet (ØD2) and two equal outlets (ØD1)

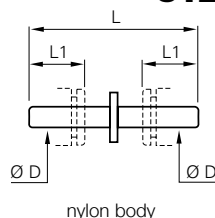
3143 plug-in multiple "Y" metric

ØD1 in	ØD2 in	Part Number	H mm	L mm	L1 mm	M mm	N mm	P mm	kg
4	6	3143 04 06*	25.5	45	31	21	10	8.5	.027
4	8	3143 04 08*	25.5	49.5	31	21	10	8.5	.026
6	8	3143 06 08*	31.5	59.5	41	26.5	10	12	.040

* one inlet (ØD2) and four equal outlets (ØD1)

3120 double male union fractional inch

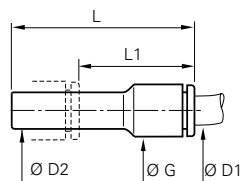
ØD1 in	Part Number	L in	L1 in	oz
5/32	3120 04 00	1.36	.47	.04
1/4	3120 56 00	1.52	.57	.03
5/16	3120 08 00	1.61	.73	.07
3/8	3120 60 00	2.03	.81	.07

3120 double male union metric

ØD1 mm	Part Number	L mm	L1 mm	kg
4	3120 04 00	34.5	12	.001
6	3120 06 00	38.5	14	.001
8	3120 08 00	41	18.5	.002
10	3120 10 00	51.5	20.5	.003
12	3120 12 00	60	24.5	.004
14	3120 14 00	69.5	25.5	.005



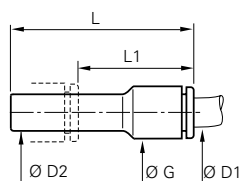
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nylon body

3166 reducer fractional inch

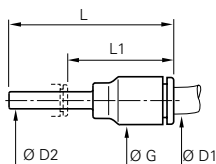
ØD1 in	ØD2 in	Part Number	G in	L in	L1 in	oz
1/8	5/32	3166 53 04	.43	1.79	1.32	.28
1/8	3/16	3166 53 55	.43	1.79	1.14	.28
1/8	1/4	3166 53 56	.43	1.79	1.22	.29
5/32	3/16	3166 04 55	.34	1.48	.83	.11
5/32	1/4	3166 04 56	.34	1.48	.91	.09
5/32	5/16	3166 04 08	.34	1.48	.75	.14
5/32	3/8	3166 04 60	.43	1.61	.81	.35
3/16	5/16	3166 55 08	.43	1.79	1.06	.19
3/16	1/4	3166 55 56	.43	1.79	1.22	.22
1/4	5/16	3166 56 08	.43	1.61	.89	.12
1/4	3/8	3166 56 60	.43	1.61	.81	.13
1/4	1/2	3166 56 62	.63	1.97	.98	.30
5/16	3/8	3166 08 60	.53	1.93	1.12	.21
5/16	1/2	3166 08 62	.63	2.01	1.02	.29
3/8	1/2	3166 60 62	.63	2.01	1.04	.31



nylon body

3166 reducer metric

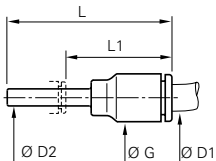
ØD1 mm	ØD2 mm	Part Number	G mm	L mm	L1 mm	kg
3	4	3166 03 04	8.5	37.5	23.5	.004
4	6	3166 04 06	8.5	37.5	23.5	.004
4	8	3166 04 08	8.5	37.5	19	.004
4	10	3166 04 10	12	44	22.5	.005
6	8	3166 06 08	10.5	36	20.5	.004
6	10	3166 06 10	10.5	38	17.5	.006
6	12	3166 06 12	14.5	46	23	.007
6	14	3166 06 14	14.5	48	23	.008
8	10	3166 08 10	13.5	49	28.5	.009
8	12	3166 08 12	13.5	49	24.5	.010
8	14	3166 08 14	17	48	23	.010
10	12	3166 10 12	21.5	56.5	33.5	.019
10	14	3166 10 14	21.5	58.5	33.5	.020
12	14	3166 12 14	23.5	58.5	33.5	.023



nylon body

3168 expander fractional inch

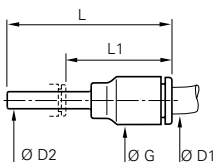
ØD1 in	ØD2 in	Part Number	G in	L in	L1 in	oz
1/4	1/8	3168 56 53	.43	1.61	1.16	.08
1/4	6mm	3168 56 06	.53	1.75	1.02	.11
1/4	5/32	3168 56 04	.43	1.61	1.14	.11
1/4	3/16	3168 56 55	.81	1.61	1.00	.12
3/8	1/4	3168 60 56	.63	1.58	1.00	.14



nylon body

3168 expander metric

ØD1 mm	ØD2 mm	Part Number	G mm	L mm	L1 mm	kg
6	4	3168 06 04	10.5	35	23	.003
8	6	3168 08 06	13.5	45	31.5	.005
10	8	3168 10 08	16	42.5	21	.009
12	10	3168 12 10	19	49	24.5	.019



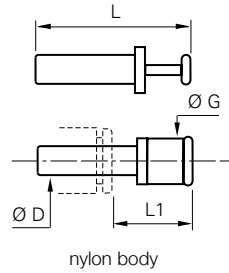
nylon body

3168 converter metric to fractional inch

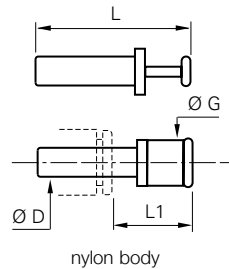
ØD1 mm	ØD2 in	Part Number	G in	L in	L1 in	kg
4	1/8	3168 04 53	.43	1.61	1.16	.08
8	1/4	3168 08 56	.63	1.58	1.00	.12



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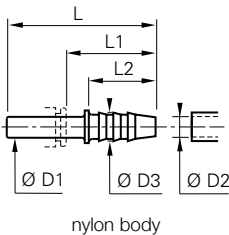
3126 | **plug** fractional inch

ØD in	Part Number	G in	L in	L1 in	oz
1/8	3126 53 00	.24	1.30	.85	.05
5/32	3126 04 00	.16	1.18	.61	.04
3/16	3126 55 00	.27	1.36	.79	.06
1/4	3126 56 00	.32	1.44	.87	.06
5/16	3126 08 00	.39	1.38	.69	.07
3/8	3126 60 00	.46	1.67	.87	.10
1/2	3126 62 00	.58	1.91	.85	.18

3126 | **plug** metric

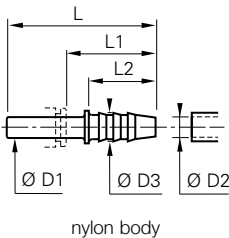
ØD mm	Part Number	G mm	L mm	L1 mm	kg
3	3126 03 00	6	25	13.5	.001
4	3126 04 00	4	30	15.5	.001
6	3126 06 00	8	33	16.5	.001
8	3126 08 00	10	33	17.5	.002
10	3126 10 00	12	42	21	.003
12	3126 12 00	14	45	22	.004
14	3126 14 00	16	49	23.5	.005
16	3126 16 00*	19	57	30	.006

*Nickel-plated brass

3122 | **barbed connector** fractional inch

ØD1 mm	ØD2 mm	ØD3 mm	Part Number	L in	L1 in	L2 in	oz
5/32	.12	.20	3122 04 53	1.46	.98	.67	.11
5/32	.20	.28	3122 04 05	1.46	.98	.67	.11
1/4	3/16	.27	3122 56 55*	1.65	1.00	.67	.21
5/16	.25	.34	3122 08 56	1.55	.83	.67	.04
5/16	.32	.39	3122 08 08	1.75	1.02	.87	.04
3/8	.32	.39	3122 60 08	1.97	1.16	.87	.11

Dimensions for ØD2 are I.D. of the tube

3122 | **barbed connector** metric

ØD1 mm	ØD2 mm	ØD3 mm	Part Number	L mm	L1 mm	L2 mm	kg
4	3.2	5	3122 04 53	37	25	17	.002
4	5	7	3122 04 05	37	25	17	.003
6	5	7	3122 06 05	39	25	17	.004
8	6.3	8.5	3122 08 56	39.5	21	17	.005
8	8	10	3122 08 08	44.5	26	22	.005
10	6.3	8	3122 10 56	45	24.5	17	.005
10	8	10	3122 10 08	50	29.5	22	.006
12	8	10	3122 12 08	50	26	22	.008
12	10	12	3122 12 10	48.5	25.5	22.5	.014
12	12.5	14.5	3122 12 62	57	34	22.5	.019
14	12.5	14.5	3122 14 62	59.5	34.5	22.5	.022

Dimensions for ØD2 are I.D. of the tube



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Modular Plug-In Connectors



Parker Legris' modular plug-in connectors allow a maximum number of tube connections in a minimum of space. Offering an ergonomic solution to enable quick connection for the most complex installations.

Product Features:

Panel-Mounted

- Panel mounted to a machine or bulkhead
- Reduced risk of incorrect assembly
- In-line connection
- Plated metal joiners and clips for reinforcement

In-Line

- Locating pin prevents incorrect assembly
- Cap guides the tubes and protects connections
- Aluminium and glass-reinforced nylon 6.6 components
- Bulkhead mountable

DIN Rail

- Used alongside electrical connectors
- Pressure indication
- Can be clipped side-by-side into a DIN rail profile [or Ω
- Channels or slots for labels for tube identification

Markets:

- Factory/Process Automation
- Automotive
- Packaging

Applications:

- Robotics
- Automotive Process
- Pneumatics
- Semi-Conductors
- Textile
- Packaging

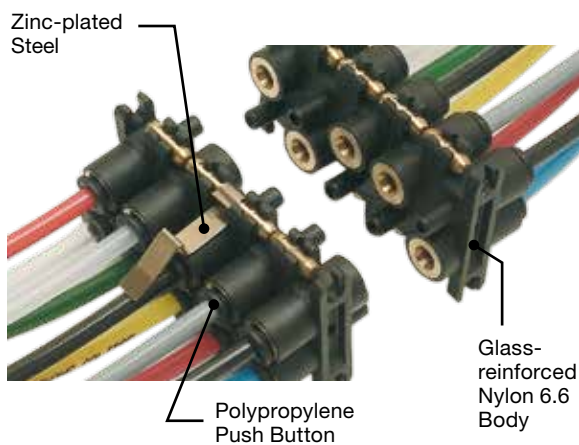
Technical Characteristics:

Compatible Fluids Compressed air
Other fluids: please consult us

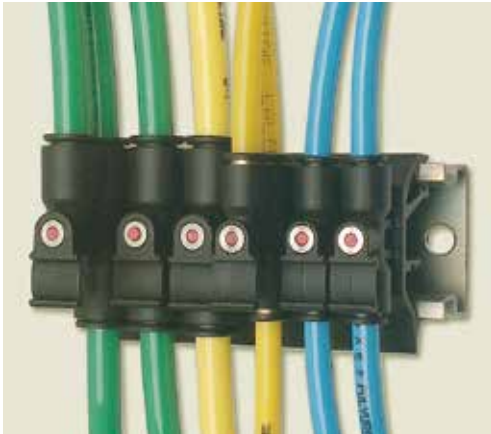
Working Pressure 145 psi (10 bar)

Vacuum Capability 28" Hg

Working Temperature -4° to 176° F (-20° to +80° C)



Silicone-Free



These components are similar in principle to the electrical connectors found in control panels and used to rationalize cabling and trouble shooting.

Used alongside electrical connectors Legris DIN rail connectors provide similar facilities for pneumatic pipework, and are mounted on the same rail profile which allows electrics and pneumatics to run side by side. All tube connections are Legris push-to-connect fittings for plastic tubing.

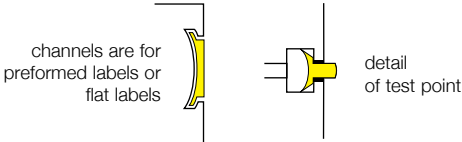
Identification and Trouble Shooting

Tube identification

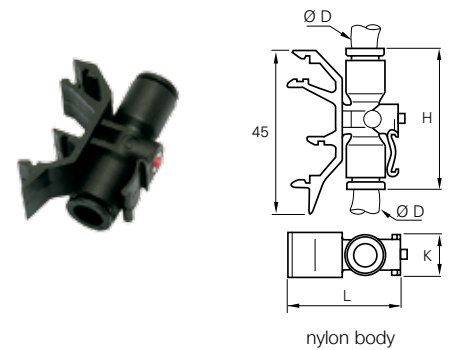
Channels or slots for labels are found on the front of these connectors which allows air lines to be coded and identified to assist in trouble shooting.

Test point facility

Being able to detect the presence of air is an important consideration when maintaining pneumatic control systems. Legris DIN rail connectors incorporate test points which pop out after being manually depressed, indicating the presence of air in the pipe.



3379 connector for 2 tubes in line

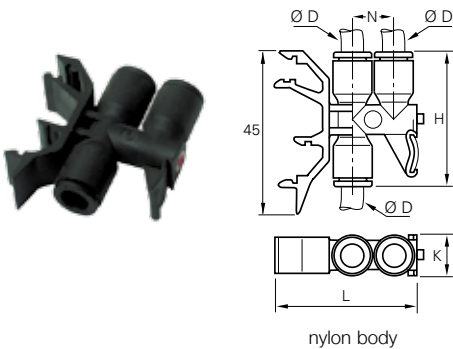


ØD in	Part Number	H in	K in	L in	oz
5/32	3379 04 00	1.44	.47	1.18	.71
1/4	3379 56 00	1.44	.47	1.18	.92
5/16	3379 08 00	1.81	.51	1.28	1.20

ØD mm	Part Number	H mm	K mm	L mm	kg
4	3379 04 00	36.5	12	30	.020
6	3379 06 00	36.5	12	30	.026
8	3379 08 00	46	13	32.5	.034

fixed by clipping to DIN rail

3381 connector for 3 tubes



ØD in	Part Number	H in	K in	L in	N in	oz
5/32	3381 04 00	1.44	.43	1.56	.45	.95
5/16	3381 08 00	1.81	.51	1.75	.57	1.52

ØD mm	Part Number	H mm	K mm	L mm	N mm	kg
4	3381 04 00	36.5	11	39.5	11.5	.027
6	3381 06 00	36.5	11	39.5	11.5	.033
8	3381 08 00	46	13	44.5	14.5	.043

fixed by clipping to DIN rail

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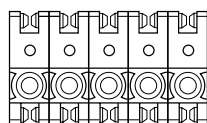


The modular construction of this component allows a number of pneumatic tubes to be connected or separated with a simple plug-in action.

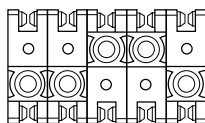
A series of male/female connectors provide a leak proof joint. Units of any length can be constructed.

The two common uses for this product are:

1. Fixing one half to a panel, machine or bulkhead and allowing the floating half to be assembled or disconnected to change a machine or sequence. Often when machines are transported air lines are separated and this connection provides a foolproof method of reconnection on site.
2. Using the connector in an in-line mode for joining long lengths of pipe-work which need to be disconnected periodically. It is advisable to limit the unit length to five connectors as illustrated in the photograph below.



standard
assembly



offset
assembly

Personalization of Connector

By reversing the slices of the module during their assembly it is possible to “offset” units so that they cannot be mixed or inadvertently connected in the wrong order.

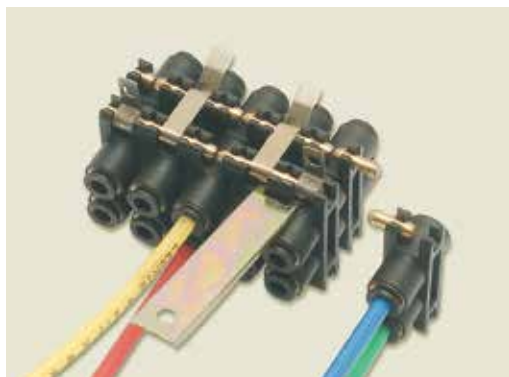
Components Used in the Module Assembly

The module is constructed from a number of symmetrical components that are designed to work together.

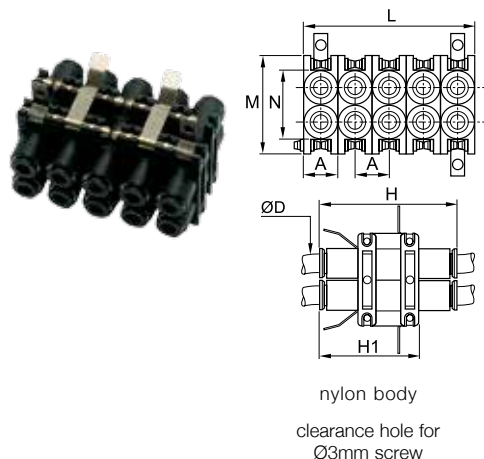
When fully assembled, one box of the modular plug-in connector provides twenty, 4mm tube connections (ten in one half and ten mating ones in the other).

The complete box contains:

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



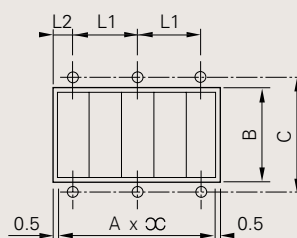
3300 modular plug-in connectors



nylon body
clearance hole for
Ø3mm screw

ØD	Part Number	A mm	B mm	C mm	H mm	H1 mm	L mm	L1 mm	L2 mm	M mm	N mm	kg
5/32, 4mm	3300 04 00	11	21	40	40.5	29.5	55	22	6	32	20	0.106
6mm	3300 06 00	14	28	47	48	38.5	70	28	7.5	39	27.5	0.106
5/16, 8mm	3300 08 00	14	28	47	50	39	70	28	7.5	39	27.5	0.106

fixing dimensions



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

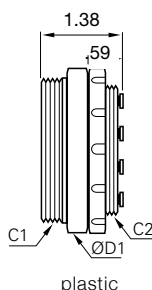


The Parker Legris multi-tube connector is designed for simultaneous connection and disconnection of seven and 12 tubes. Its LF3000 technology and performance makes it easy to use:

- Instant connection and disconnection, without tools
- Full flow, without restriction

In order to facilitate the installation, each tube outlet is numbered. A location pin avoids assembly errors and a cap helps to guide the tubes and to protect connections. To cover all users' needs, this range can also be used for bulkhead connections.

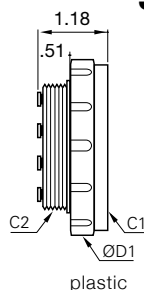
3320 male connector body fractional inch



ØD in	Number of Outlets	Part Number	C1	C2	ØD1 in	oz
1/8	7	3320 53 00 07	M46x1.5	M40x1.5	1.97	2.48
5/32	7	3320 04 00 07	M46x1.5	M40x1.5	1.97	2.50
5/32	12	3320 04 00 12	M65x1.5	M58x1.5	2.76	4.83
1/4	7	3320 56 00 07	M65x1.5	M58x1.5	2.76	4.72
1/4	12	3320 56 00 12	M72x1.5	M65x1.5	2.95	5.10

The number of male body outlets must correspond to the same number of outlets on the female body. E.g. Model 3320 04 00 07 must only be connected to model 3321 04 00 07.

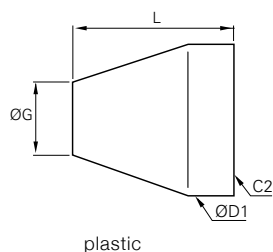
3321 female connector body fractional inch



ØD in	Number of Outlets	Part Number	C1	C2	ØD1 in	oz
1/8	7	3321 53 00 07	M46x1.5	M40x1.5	2.17	2.24
5/32	7	3321 04 00 07	M46x1.5	M40x1.5	2.17	2.56
5/32	12	3321 04 00 12	M65x1.5	M58x1.5	2.95	4.34
1/4	7	3321 56 00 07	M65x1.5	M58x1.5	2.95	4.48
1/4	12	3321 56 00 12	M72x1.5	M65x1.5	2.95	4.96
3/8	7	3321 60 00 07	M65x1.5	M58x1.5	2.95	4.56

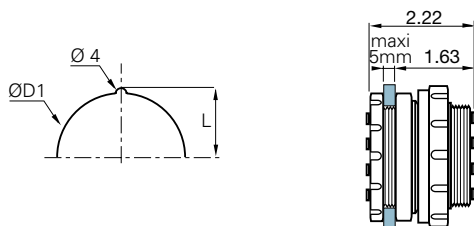
The number of female body outlets must correspond to the same number of outlets on the male body. E.g. Model 3320 04 00 07 must only be connected to model 3321 04 00 07.

3329 cap



ØD in	Number of Outlets	Part Number	C2	G in	L in	ØD1 in	oz
1/8	7	3329 00 02	M40x1.5	1.38	2.17	1.97	2.18
1/8	12	3329 00 03	M58x1.5	1.65	2.76	2.76	4.90
5/32	7	3329 00 02	M40x1.5	1.38	2.17	1.97	2.18
5/32	12	3329 00 03	M58x1.5	1.65	2.76	2.76	4.90
1/4	7	3329 00 03	M58x1.5	1.65	2.76	1.97	4.90
1/4	12	3329 00 04	M65x1.5	2.01	3.46	2.95	5.36
3/8	7	3329 00 03	M58x1.5	1.65	2.76	2.76	4.90

overall dimensions for bulkhead mounting



ØD in	Number of Outlets	L in	ØD1 in
1/8	7	.83	1.59
1/8	12	1.19	2.30
5/32	7	.83	1.59
5/32	12	1.19	2.30
1/4	7	1.19	2.30
1/4	12	1.32	2.58
3/8	7	1.19	2.30



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Self-sealing and Oscillating Fittings



Parker Legris has developed these innovative push-to-connect fittings in order to integrate various functions and allow quick installation on pneumatic circuits.

Product Features:

Self-Sealing Fittings

- Prevents fluid flow when there is no tube connected
- Circuits may remain pressurized when being checked and maintained
- When connected, the compressed air flow is restored in both directions

Oscillating Fittings

- Rotation matched to cylinder rod stroke
- Prevents tube wear due to excessive flexing
- Optimum reliability and durability
- Simplifies circuit assembly

Markets:

- Automotive
- Textile
- Packaging
- Semi-Conductor

Applications:

- Robotics
- Automotive Process
- Pneumatics
- Semi-Conductors
- Textile
- Packaging

Specifications:

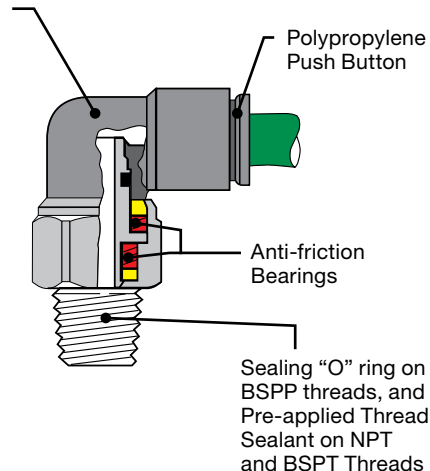
Compatible Fluids	Compressed air Other fluids: please consult us
Working Pressure	290 psi (20 bar) 145 psi (10 bar) self sealing fittings
Vacuum Capability	28" Hg
Working Temperature	-4° to 176° F (-20° to +80° C)

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

Silicone-Free

Self-sealing Fitting: Nickel-plated Brass Body

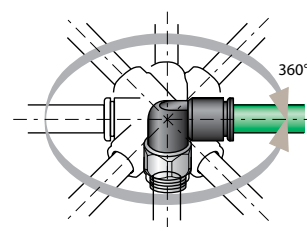
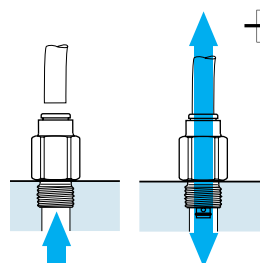
Oscillating Fitting: Glass-reinforced Nylon 6.6 Body

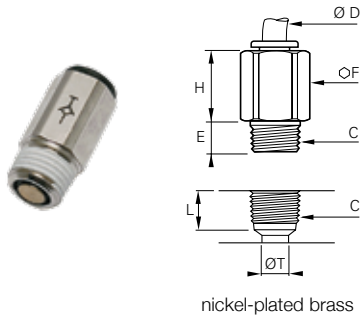


Installation Configurations

Self-Sealing Fittings

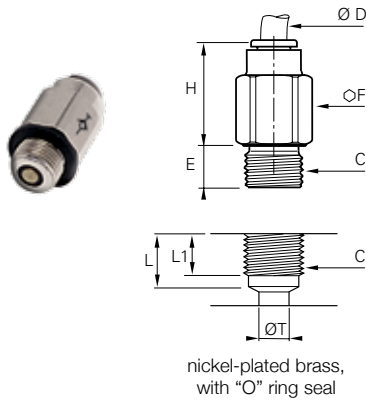
Oscillating Fittings



3091 self-sealing male fitting NPT or BSPT

ØD in	C NPT	Part Number	E in	F mm	H in	L in	ØT in	oz
5/32	1/8	3091 04 11	.30	12	.51	.37	.20	.63
1/4	1/8	3091 56 11	.30	13	.60	.37	.30	.63
1/4	1/4	3091 56 14	.43	14	.41	.55	.30	.70
3/8	1/4	3091 60 14	.43	19	.83	.55	.35	1.00
3/8	3/8	3091 60 18	.45	19	.73	.55	.40	1.83

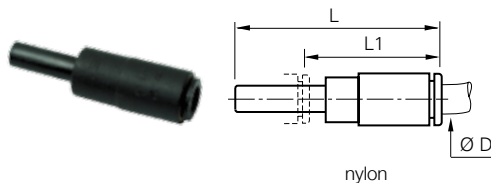
ØD mm	C BSPT	Part Number	E mm	F mm	H mm	L mm	ØT mm	kg
4	R1/8	3091 04 10	7.5	12	18	9.5	5	.018
6	R1/8	3091 06 10	7.5	13	19.5	9.5	7.5	.018
8	R1/8	3091 08 10	6.5	14	25	10.5	7.5	.025
8	R1/4	3091 08 13	11	14	25.5	13.5	9	.037

3391 self-sealing male fitting metric tube to BSPP

ØD mm	C BSPP	Part Number	E mm	F mm	H mm	kg
4	G1/8	3391 04 10	5	13	18	.018
6	G1/8	3391 06 10	5	14	19.5	.018
8	G1/8	3391 08 10	5	14	29.5	.025
8	G1/4	3391 08 13	5.5	16	25.5	.037
10	G3/8	3391 10 17	5.5	20	27.5	.052

stud dimensions

ØD mm	C BSPP	E mm	F mm	H mm
4	G1/8	7.5	6	5
6	G1/8	9	6	7.5
8	G1/8	10	6	7.5
8	G1/4	11	8	9
10	G3/8	13	11	10

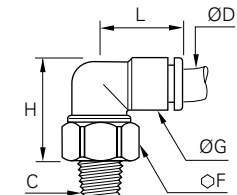
3160 self-sealing plug-in fitting metric

ØD mm	Part Number	L mm	L1 mm	kg
4	3160 04 00	46	33.5	.005
6	3160 06 00	53.5	31	.009
8	3160 08 00	58	31	.009

This model prevents fluid flow in-line when there is no tube connected; connecting the tube allows fluid flow.



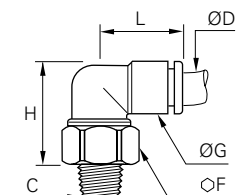
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



nylon body,
nickel-plated brass base
with pre-applied thread sealant

3159 oscillating male elbow fractional inch tube to NPT

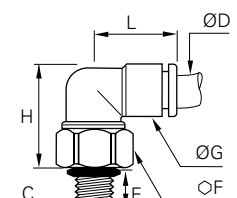
ØD in	C NPT	Part Number	F mm	G in	H in	L in	oz
5/32	1/8	3159 04 11	12	.43	.85	.69	.49
1/4	1/8	3159 56 11	14	.55	1.04	.81	.71
1/4	1/4	3159 56 14	14	.55	1.04	.81	.78



nylon body,
nickel-plated brass base
with pre-applied thread sealant

3159 oscillating male elbow metric tube to BSPT

ØD mm	C BSPT	Part Number	H in	L in	L1 in	N in	kg
4	R1/8	3159 04 10	12	11	22	17.5	.014
6	R1/8	3159 06 10	14	14	26.5	20.5	.020
6	R1/4	3159 06 13	14	14	23.5	20.5	.022
8	R1/8	3159 08 10	17	16	32	23.5	.034
8	R1/4	3159 08 13	17	16	29	23.5	.034
8	R3/8	3159 08 17	17	16	25	23.5	.032
10	R1/4	3159 10 13	19	19.5	37.5	29	.054
10	R3/8	3159 10 17	19	19.5	33.5	29	.050
12	R1/4	3159 12 13	21	22	44.5	33.5	.076
12	R3/8	3159 12 17	21	22	41	33.5	.070



nylon body,
nickel-plated brass base
with "O" ring seal

3189 oscillating male elbow metric tube to BSPP or M5

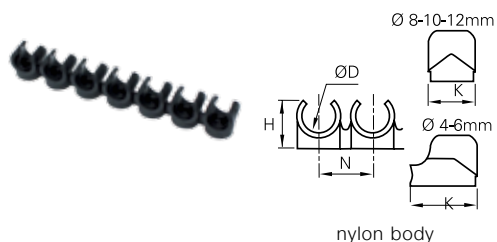
ØD mm	C BSPP/M5	Part Number	E mm	F mm	G mm	H mm	L mm	kg
4	M5x0.8	3189 04 19	3	12	11	24.5	17.5	.012
4	G1/8	3189 04 10	5	13	11	23	17.5	.014
6	M5x0.8	3189 06 19	3	12	14	27.5	20.5	.016
6	G1/8	3189 06 10	5	14	14	27	20.5	.020
6	G1/4	3189 06 13	5.5	16	14	25.5	20.5	.022
8	G1/8	3189 08 10	5	17	16	33.5	23.5	.034
8	G1/4	3189 08 13	5.5	17	16	31	23.5	.034
8	G3/8	3189 08 17	5.5	20	16	29.5	23.5	.032
10	G1/4	3189 10 13	5.5	19	19.5	50	29	.054
10	G3/8	3189 10 17	5.5	20	19.5	37	29	.050
12	G1/4	3189 12 13	5.5	21	22	46.5	33.5	.076
12	G3/8	3189 12 17	5.5	21	22	45.5	33.5	.070

Torque/Rotation Speed

Tube O.D. (mm)	Torque (daN.m)	Max. Rotation Speed (turn/min)
5/32, 4	<2.5.10 ⁻³	190
1/4, 6	<4.10 ⁻³	160
8	<7.10 ⁻³	120
10	<11.10 ⁻³	90
12	<16.10 ⁻³	80

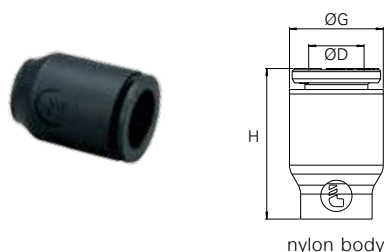


WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Clip | clip strips for tubing and fittings

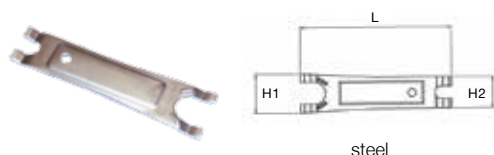
ØD tube	Ø LF3000 to be clipped	Part Number	H mm	K mm	N mm	Number of clips per strip	kg
5/32, 4mm		Clip 04 00	9	13.5	10.5	8	.008
1/4, 3/16, 6mm		Clip 06 00	10.5	13	10.5	8	.009
5/16, 8mm	5/32, 4mm	Clip 08 00	12.5	10.5	12	7	.009
3/8, 10mm	1/4, 6mm	Clip 10 00	14	12	15	6	.010
1/2, 12mm		Clip 12 00	16.5	14	16.5	5	.011
14mm	5/16, 8mm	Clip 14 00	18	16	20.5	4	.011

Clip strips come complete with screws of .375 inches in length.

3151 | end caps

ØD in	Part Number fractional inch	ØG in	H in	kg
1/8	3151 53 00	.33	.55	.024
5/32	3151 04 00	.33	.55	.035
1/4	3151 56 00	.41	.64	.032
5/16	3151 08 00	.53	.86	.070
3/8	3151 60 00	.53	.88	.056

ØD mm	Part Number metric	ØG mm	H mm	kg
4	3151 04 00	8.5	14.7	.001
6	3151 06 00	10.5	16.9	.001
8	3151 08 00	13.5	21.9	.002
10	3151 10 00	16	22.2	.003
12	3151 12 00	19	27.7	.006

3000 70 | disconnection tool

Part Number	H1 mm	H2 mm	L mm	kg
3000 70 00	25	20	96	.020

In cases where access is difficult this tool can be useful, particularly if the standard release buttons have been removed. (Release buttons can only be removed on 3/16 sizes.)

7000 | joining clips for in-line flow controls and mini ball valves*

ØD in	ØD mm	Part Number	kg
5/32	4	7000 00 05	.14
1/4	6	7000 00 05	.14
5/16	8	7000 00 05	.14
3/8	10	7000 00 06	.32
1/2	12	7000 00 06	.32

*Two clips are supplied with flow control.
Order additional clips using the part numbers above.

3000 71 00 | tube cutter

Part Number	H in	L in	kg
3000 71 00	.98	3.11	1.09

This tool will cut all resilient plastic tube (e.g. nylon, polyurethane, braided PVC, soft rubber, etc.) from 1/8 to 1/2 and 3mm to 16mm diameter inclusive. It is designed to give a clean cut at right angles to the tube axis. A spring maintains the cutter in the closed position.



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3110/3330 caps/manual release button**Fractional Inch**

O.D. Tube in							
1/8	3110 53 00	-	3110 53 02	3110 53 03	3110 53 04	3110 53 05	.04
5/32	3110 04 00	3330 04 01	3110 04 02	3110 04 03	3110 04 04	3110 04 05	.04
3/16	3330 55 00	3330 55 01	3330 55 02	3330 55 03	3330 55 04	3330 55 05	.04
1/4	3110 56 00	3330 56 01	3110 56 02	3110 56 03	3110 56 04	3110 56 05	.04
5/16	3110 08 00	-	3110 08 02	3110 08 03	3110 08 04	3110 08 05	.04
3/8	3110 60 00	3330 60 01	3110 60 02	3110 60 03	3110 60 04	3110 60 05	.04
1/2	3110 62 00	3330 62 01	3110 62 02	3110 62 03	3110 62 04	3110 62 05	.04

Metric

O.D. Tube mm							
4	3110 04 00	3330 04 01	3110 04 02	3110 04 03	3110 04 04	3110 04 05	.001
6	3110 06 00	-	3110 06 02	3110 06 03	3110 06 04	3110 06 05	.001
8	3110 08 00	-	3110 08 02	3110 08 03	3110 08 04	3110 08 05	.001
10	3110 10 00	-	3110 10 02	3110 10 03	3110 10 04	3110 10 05	.001
12	3110 12 00	-	3110 12 02	3110 12 03	3110 12 04	3110 12 05	.001
14	3110 14 00	-	3110 14 02	3110 14 03	3110 14 04	-	.001

In all sizes of the LF3000 fittings, except 3/16, the push button is an integral part of the design which makes it non-removable, and comes standard in black. For identification of the circuits, colored caps (p/h 3110) fit over the black push button.



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LF3600 Metal Push-to-Connect Fittings



To meet your technical and environment requirements, Parker Legris' LF3600 fittings offers the robustness, reliability and resistance to industrial fluids for the most demanding environments.

Product Features:

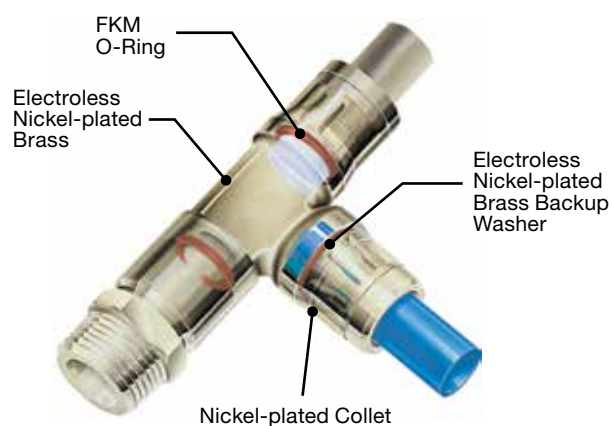
- High phosphorous, FDA-compliant, chemical resistant, nickel-plated collet and body
- FKM seal
- Chemical, corrosion, and abrasion resistance
- NPT, BSPT, BSPP, and metric threads
- Silicone-Free

Markets:

- Industrial
- Chemical
- Life Science
- Automation
- Food Processing

Applications:

- Food Fluids
- Harsh Detergents
- Cleaning In Cold/ Hot Water
- Steam
- Oils



Specifications:

Pressure Range	Up to 435 psi (30 bar)
Temperature Range	-4° to 302° F (-20° to 150° C)
Vacuum Capability	28" Hg

Note: Maximum working pressure and temperature are dependent on the type of tubing used

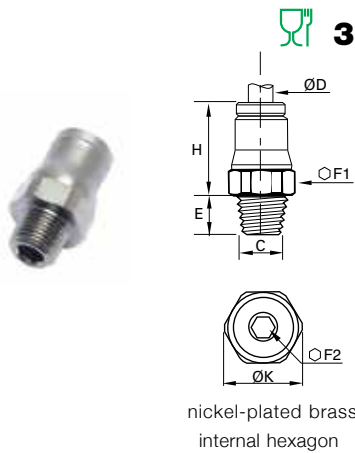
Note: Units with thread sealant do not meet FDA Compliance.



Compatible Tubing:

- Polyethylene
- Polyurethane 95 Durometer Shore A
- Semi-Rigid Nylon
- Fluoropolymer
- Stainless Steel (when grooved)
- Copper (when grooved)

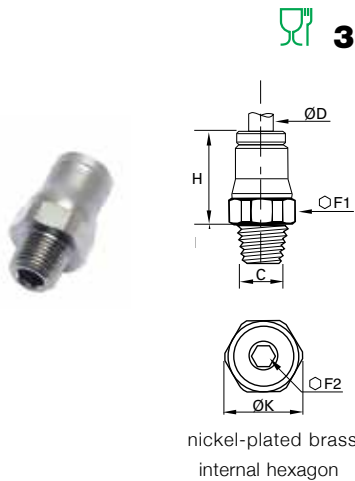
threaded fittings**3675**male connector
taper
p. A49**3601**male connector
UNF, parallel
and metric
p. A49**3681**male connector
metric
p. A50**3014/3615**female connector
taper
p. A50**3614**female connector
parallel and metric
p. A50**3609**male elbow
taper
p. A51**3699**male elbow
parallel and metric
p. A51**3629**extended male
elbow
taper
p. A52**3669**extended male
elbow
parallel and metric
p. A52**3608**male branch tee
taper
p. A53**3698**male branch tee
UNF, parallel
and metric
p. A53**3603**male run tee
taper
p. A54**3693**male run tee
UNF, parallel
and metric
p. A54**3621**male standpipe
taper
p. A55**3631**male standpipe
parallel and metric
p. A55**banjo body****3618**banjo
parallel and metric
p. A55**tube to tube fittings****3606**union
p. A56**3602**union elbow
p. A56**3604**union tee
p. A56**bulkhead connectors****3616**bulkhead union
p. A57**3636**female bulkhead
p. A57**3639**equal bulkhead
elbow
p. A58**accessories****3666**reducer
p. A58**3668**expander
p. A58**3667**expander
p. A58**3188**barbed connector
p. A58**3622**plug-in barbed
connector
p. A59**3120**double male union
p. A59**3620**double male
union
p. A59**3126**plug
p. A59**3626**plug
p. A59

**3675****male connector** fractional inch tube to NPT

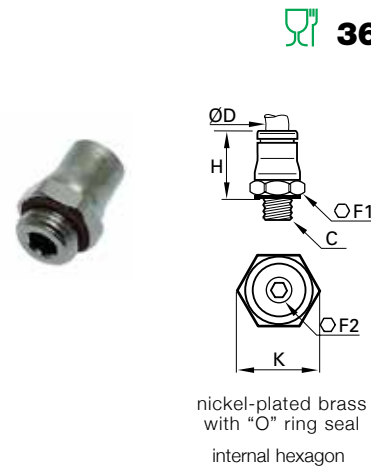
ØD in	C NPT	Part Number	E in	F1 mm	F2 mm	H in	K in	oz
5/32	1/8	3675 04 11*	.30	11	3	.59	.47	.28
5/32	1/4	3675 04 14*	.43	14	3	.59	.59	.56
1/8	1/8	3675 53 11†						
1/8	1/4	3675 53 14†						
1/4	1/8	3675 56 11*	.30	13	4	.67	.55	.42
1/4	1/4	3675 56 14*	.43	14	4	.67	.59	.60
1/4	3/8	3675 56 18*	.45	18	5	.67	.77	.72
3/8	1/8	3675 60 11*	.30	18	4	.97	.77	.99
3/8	1/4	3675 60 14*	.43	18	7	.95	.77	1.13
3/8	3/8	3675 60 18*	.45	18	8	.91	.77	1.16
3/8	1/2	3675 60 22*	.59	22	8	.95	.94	1.90
1/2	1/4	3675 62 14*						
1/2	3/8	3675 62 18*	.45	22	9	.95	.94	1.52
1/2	1/2	3675 62 22*	.59	22	10	.95	.94	1.87

*For thread sealant, add 96 suffix to part number. Example: 3675 56 14 96

Note: units with thread sealant do not meet FDA Compliance.

**3675****male connector** metric tube to BSPT

ØD mm	C BSPT	Part Number	F1 mm	F2 mm	H mm	K mm	kg
4	R1/8	3675 04 10	10	3	15	11	.008
4	R1/4	3675 04 13	14	3	15	15	.016
6	R1/8	3675 06 10	13	4	17	14	.012
6	R1/4	3675 06 13	14	4	17	15	.017
8	R1/8	3675 08 10	15	5	19	16	.016
8	R1/4	3675 08 13	15	6	18	16	.019
8	R3/8	3675 08 17	17	6	18.5	18.5	.028
10	R1/4	3675 10 13	18	7	23	19.5	.032
10	R3/8	3675 10 17	18	8	22.5	19.5	.033
10	R1/2	3675 10 21	22	8	22.5	24	.057
12	R1/4	3675 12 13	20	7	25.5	22	.040
12	R3/8	3675 12 17	20	9	24	22	.043
12	R1/2	3675 12 21	22	10	23	24	.053
14	R3/8	3675 14 17	22	9	27	24	.049
14	R1/2	3675 14 21	24	11	26	26	.061

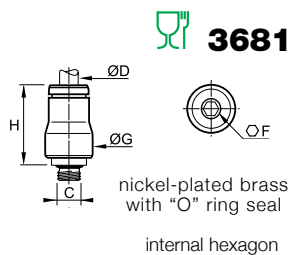
**3601****male connector** tube to UNF, BSPP or metric

ØD in	C UNF/BSPP	Part Number fractional inch	F1 mm	F2 mm	H in	K in	oz
5/32	10-32	3601 04 20	10	2.5	.61	.43	.21
1/4	10-32	3601 56 20	13	2.5	.75	.55	.35
1/4	G1/8	3601 56 10	13	5	.768	.55	.38
ØD mm	C BSPP/Metric	Part Number metric	F1 mm	F2 mm	H mm	K mm	kg
4	M5x0.8	3601 04 19	10	2.5	15.5	11	.006
4	G1/8	3601 04 10	13	3	14.5	14	.010
4	M6x1	3601 04 52	10	3	16	11	.010
4	G1/4	3601 04 13	16	3	14.5	17.5	.018
4	M8x1	3601 04 56	11	3	14.5	12	.010
6	M5x0.8	3601 06 19	13	2.5	19	14	.010
6	G1/8	3601 06 10	13	4	17.5	14	.013
6	M10x1	3601 06 60	13	4	17.5	14	.013
6	G1/4	3601 06 13	16	4	17	17.5	.019
8	G1/8	3601 08 10	16	5	21	16	.015
8	G1/4	3601 08 13	16	6	18	17.5	.020
8	G3/8	3601 08 17	20	6	19	22	.029
10	G1/4	3601 10 13	18	7	25	19.5	.030
10	G3/8	3601 10 17	20	8	22.5	22	.033
10	G1/2	3601 10 21	24	8	22.5	26	.045
12	G1/4	3601 12 13	20	7	27	22	.040
12	G3/8	3601 12 17	20	9	26	22	.041
12	G1/2	3601 12 21	24	10	23.5	26	.052
14	G3/8	3601 14 17	22	9	28	24	.047
14	G1/2	3601 14 21	24	11	26.5	26	.052

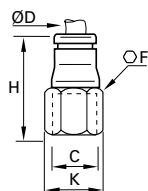
= suitable for food applications



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

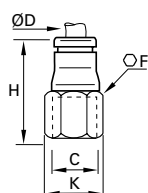
**3681****male connector** metric tube to M5

ØD mm	C M5	Part Number	F mm	G mm	H mm	
4	M5x0.8	3681 04 19	2.5	10	16	.005

**3014/3615****female connector** fractional inch tube to NPT

nickel-plated brass

ØD in	C NPT	Part Number	E in	F mm	H in	K in	
3/8	1/4	3615 60 14	.55	17	1.50	.73	1.32
3/8	3/8	3615 60 18	.55	22	1.50	.94	1.97
1/2	3/8	3615 62 18	.55	22	1.52	.94	2.42
1/2	1/2	3615 62 22	.73	24	1.67	1.02	2.42

**3614****female connector** metric tube to BSPP or M5

nickel-plated brass

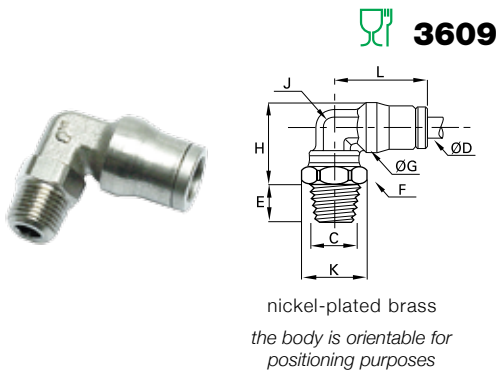
ØD mm	C BSPP/M5	Part Number	F mm	H mm	K mm	
4	M5x0.8	3614 04 19	10	22	11	.010
4	G1/8	3614 04 10	14	25	15	.017
4	G1/4	3614 04 13	17	29	18.5	.027
6	G1/8	3614 06 10	14	27.5	15	.018
6	G1/4	3614 06 13	17	31.5	18.5	.029
8	G1/8	3614 08 10	15	28.5	16	.023
8	G1/4	3614 08 13	17	32.5	18.5	.030
10	G3/8	3614 10 17	22	38	24	.056
12	G3/8	3614 12 17	22	39	24	.060
12	G1/2	3614 12 21	24	43.5	26	.068



= suitable for food applications



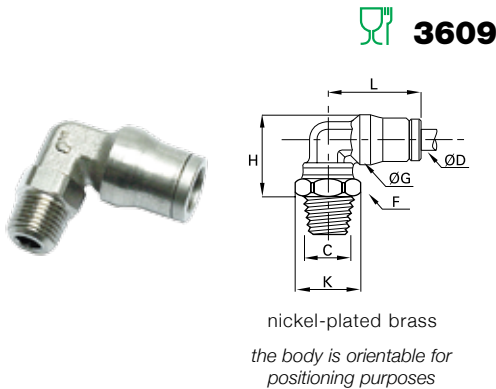
WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**3609****male elbow** fractional inch tube to NPT

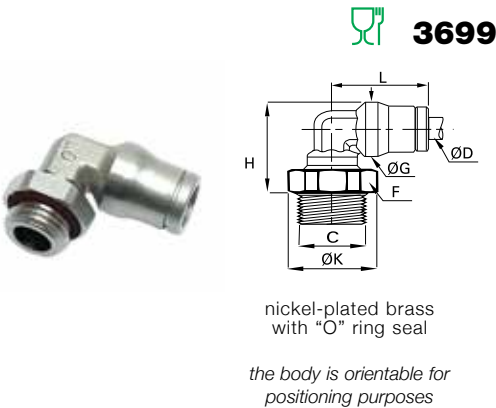
ØD in	C NPT	Part Number	E in	F mm	G in	H in	J in	K in	L in	oz
1/8	1/8	3609 53 11*	.30	13	.34	.57	.28	.55	.59	.47
5/32	1/8	3609 04 11*	.30	11	.39	.59	.28	.47	.71	.56
5/32	1/4	3609 04 14*	.43	14	.39	.67	.28	.60	.71	.81
1/4	1/8	3609 56 11*	.30	11	.49	.69	.32	.47	.87	.92
1/4	1/4	3609 56 14*	.43	14	.49	.75	.32	.60	.87	1.09
1/4	3/8	3609 56 18*	.45	18	.49	.75	.32	.77	.87	1.20
3/8	1/4	3609 60 14*	.43	15	.67	.93	.47	.63	1.14	2.40
3/8	3/8	3609 60 18*	.45	18	.67	1.02	.47	.77	1.14	2.36
3/8	1/2	3609 60 22*	.59	22	.67	1.06	.47	.94	1.14	2.54
1/2	3/8	3609 62 18*	.45	18	.79	1.14	.59	.77	1.22	3.28
1/2	1/2	3609 62 22*	.59	22	.79	1.14	.59	.94	1.22	3.49

*For thread sealant, add 96 suffix to part number. Example: 3609 56 14 96

†plastic button, metal body; does not meet FDA Compliance

**3609****male elbow** metric tube to BSPT

ØD mm	C BSPT	Part Number	F mm	G mm	H mm	K mm	L mm	kg
4	R1/8	3609 04 10	11	10	15	12	18	.016
4	R1/4	3609 04 13	14	10	17	15	18	.023
6	R1/8	3609 06 10	11	12	17.5	12	21.5	.026
6	R1/4	3609 06 13	14	12	19	15	21.5	.031
8	R1/8	3609 08 10	11	15	19.5	12	23.5	.040
8	R1/4	3609 08 13	14	15	21	15	23.5	.044
8	R3/8	3609 08 17	17	15	21	18.5	23.5	.048
10	R1/4	3609 10 13	15	17.5	23.5	16	29	.068
10	R3/8	3609 10 17	17	17.5	25.5	18.5	29	.067
12	R1/4	3609 12 13	15	19.5	26	16	31	.087
12	R3/8	3609 12 17	17	19.5	28.5	18.5	31	.093
12	R1/2	3609 12 21	21	19.5	28.5	23	31	.099
14	R3/8	3609 14 17	19	21.5	29	21	34	.066
14	R1/2	3609 14 21	24	21.5	30	26	34	.076

**3699****male elbow** tube to UNF, BSPP or metric

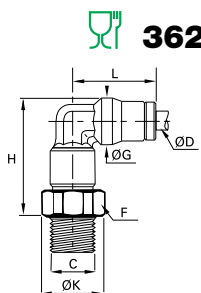
ØD in	C UNF/BSPP	Part Number fractional inch	F mm	G in	H in	K in	L in	oz
5/32	10-32	3699 04 20	10	.39	.71	.43	.71	.490
1/4	G1/8	3699 56 10	13	12	19	14	21.5	.026
1/4	G1/4	3699 56 13	16	12	19.5	17.5	21.5	.032

ØD in	C BSPP/Metric	Part Number metric	F mm	G mm	H mm	K mm	L mm	kg
4	M5x0.8	3699 04 19	10	10	18	11	18	.014
4	G1/8	3699 04 10	13	10	17	14	18	.018
4	M6x1	3699 04 52	10	10	18	11	18	.020
4	G1/4	3699 04 13	16	10	17.5	17.5	18	.023
4	M8x1	3699 04 56	11	10	18	12	18	.024
6	G1/8	3699 06 10	13	12	19	14	21.5	.026
6	M10x1	3699 06 60	13	12	19	14	21.5	.030
6	G1/4	3699 06 13	16	12	19.5	17.5	21.5	.032
8	G1/8	3699 08 10	13	15	20.5	14	23.5	.040
8	G1/4	3699 08 13	16	15	21.5	17.5	23.5	.044
8	G3/8	3699 08 17	20	15	21.5	22	23.5	.049
10	G1/4	3699 10 13	16	17.5	27	17.5	29	.067
10	G3/8	3699 10 17	20	17.5	25.5	22	29	.071
12	G1/4	3699 12 13	16	19.5	29.5	17.5	31	.087
12	G3/8	3699 12 17	20	19.5	28.5	22	31	.087
12	G1/2	3699 12 21	24	19.5	28.5	26	31	.107
14	G3/8	3699 14 17	20	21.5	29	22	34	.121
14	G1/2	3699 14 21	24	21.5	29.5	26	34	.124

= suitable for food applications



WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

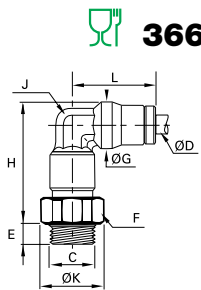


nickel-plated brass
the body is orientable for
positioning purposes

 **3629**

extended male elbow metric tube to BSPT

ØD mm	C BSPT	Part Number	F mm	G mm	H mm	K mm	L mm	
4	R1/8	3629 04 10	10	10	24.5	11	18	.016
6	R1/8	3629 06 10	13	12	29.5	14	21.5	.025
6	R1/4	3629 06 13	14	12	30.5	15	21.5	.031
8	R1/8	3629 08 10	14	15	32.5	15	23.5	.031
8	R1/4	3629 08 13	14	15	34	15	23.5	.036
10	R1/4	3629 10 13	18	17.5	39	19.5	29	.053



nickel-plated brass
with "O" ring seal
the body is orientable for
positioning purposes

 **3669**

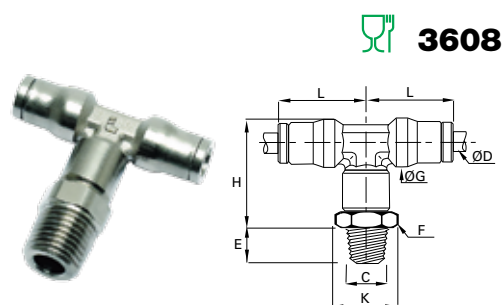
extended male elbow metric tube to BSPP or M5

ØD mm	C BSPP/M5	Part Number	F mm	G mm	H mm	K mm	L mm	
4	M5x0.8	3669 04 19	10	10	27.5	11	18	.015
4	G1/8	3669 04 10	13	10	25.5	14	18	.017
6	G1/8	3669 06 10	13	12	31	14	18	.023
6	G1/4	3669 06 13	16	12	30.5	17.5	21.5	.028
8	G1/8	3669 08 10	14	15	33.5	15	23.5	.031
8	G1/4	3669 08 13	16	15	34	17.5	23.5	.036
10	G1/4	3669 10 13	18	17.5	42	19.5	29	.053
10	G3/8	3669 10 17	20	17.5	41	22	29	.056
12	G1/4	3669 12 13	20	19.5	47	22	31	.075
12	G3/8	3669 12 17	20	19.5	46	22	31	.072
14	G1/2	3669 14 21	24	21.5	49	26	34	.094

 = suitable for food applications



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nickel-plated brass

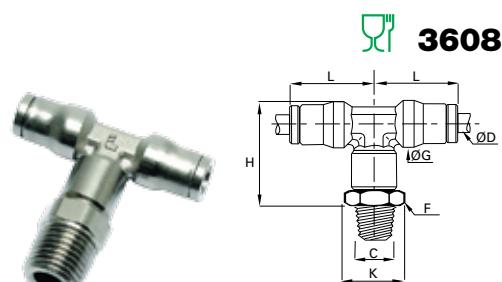
the body is orientable for positioning purposes

3608**male branch tee** fractional inch tube to tube to NPT

ØD in	C NPT	Part Number	E in	F mm	G in	H in	K in	L in	oz
1/8	1/8	3608 53 11*	.30	11	.34	.85	.47	.59	.71
3/8	1/4	3608 60 14*	.43	18	.67	1.54	.77	1.14	2.89
3/8	1/2	3608 60 22*	.59	22	.67	1.61	.94	1.14	3.10
1/2	1/2	3608 62 22*	.59	22	.79	1.89	.94	1.22	4.41

*For thread sealant, add 96 suffix to part number. Example: 3608 56 14 96

†plastic button, metal body; does not meet FDA Compliance

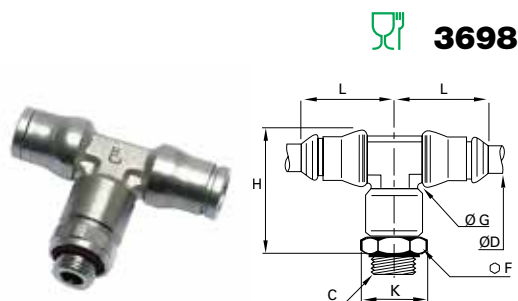


nickel-plated brass

the body is orientable for positioning purposes

3608**male branch tee** metric tube to tube to BSPT

ØD mm	C BSPT	Part Number	F mm	G mm	H mm	K mm	L mm	kg
4	R1/8	3608 04 10	10	10	24.5	11	18	.020
6	R1/8	3608 06 10	13	12	29.5	14	21.5	.033
6	R1/4	3608 06 13	14	12	30.5	15	21.5	.038
8	R1/8	3608 08 10	14	15	32.5	15	23.5	.049
8	R1/4	3608 08 13	14	15	34	15	23.5	.052
10	R1/4	3608 10 13	18	17.5	39	19.5	29	.082
10	R3/8	3608 10 17	18	17.5	41	19.5	29	.074
12	R3/8	3608 12 17	21	19.5	46.5	23	31	.108
14	R1/2	3608 14 21	22	21.5	50.5	24	34	.142

nickel-plated brass
with "O" ring seal

the body is orientable for positioning purposes

3698**male branch tee** tube to tube to UNF, BSPP or M5

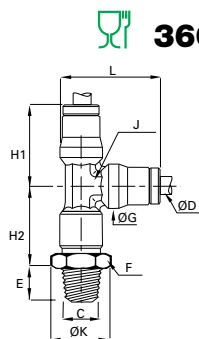
ØD in	C UNF	Part Number fractional inch	F mm	G in	H in	K in	L in	oz
5/32	10-32	3698 04 20	10	.39	1.00	.47	.71	.60

ØD mm	C BSPP/M5	Part Number metric	F mm	G mm	H mm	K mm	L mm	kg
4	M5x0.8	3698 04 19	10	10	27.5	11	18	.017
4	G1/8	3698 04 10	13	10	25.5	14	18	.022
6	G1/8	3698 06 10	13	12	31	14	21.5	.032
6	G1/4	3698 06 13	16	12	30.5	17.5	21.5	.038
8	G1/8	3698 08 10	14	15	33.5	15	23.5	.049
8	G1/4	3698 08 13	16	15	34	17.5	23.5	.053
10	G1/4	3698 10 13	18	17.5	42	19.5	29	.081
12	G3/8	3698 12 17	21	19.5	46	23	31	.112
14	G1/2	3698 14 21	24	21.5	49	26	34	.109

= suitable for food applications



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nickel-plated brass

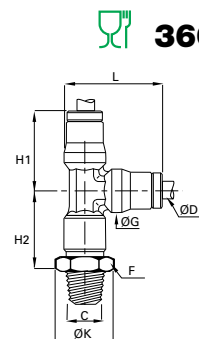
the body is orientable for positioning purposes

3603**male run tee** fractional inch tube to tube to NPT

ØD in	C NPT	Part Number	E in	F mm	G in	H1 in	H2 in	J in	K in	L in	oz
5/32	1/8	3603 04 11*	.30	11	.39	.71	.77	.28	.47	.91	.71
5/32	1/4	3603 04 14*									
1/4	1/8	3603 56 11*	.30	13	.49	.87	.93	.32	.55	1.12	1.16
1/4	3/8	3603 56 18*									
3/8	1/4	3603 60 14*	.43	18	.67	1.14	1.20	.47	.77	1.48	2.89
3/8	3/8	3603 60 18*	.45	18	.67	1.14	1.28	.47	.77	1.48	2.82
1/2	1/2	3603 62 22*	.59	22	.79	1.22	1.50	.59	.94	1.61	4.16

*For thread sealant, add 96 suffix to part number. Example: 3603 56 14 96

†plastic button, metal body; does not meet FDA Compliance

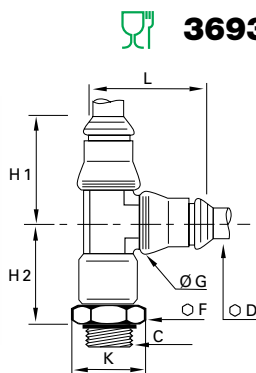


nickel-plated brass

the body is orientable for positioning purposes

3603**male run tee** metric tube to tube to BSPT

ØD mm	C BSPT	Part Number	F mm	G mm	H1 mm	H2 mm	K mm	L mm	kg
4	R1/8	3603 04 10	10	10	18	19.5	11	23	.020
6	R1/8	3603 06 10	13	12	21.5	23.5	14	28	.033
6	R1/4	3603 06 13	14	12	21.5	24.5	15	28	.037
8	R1/8	3603 08 10	14	15	23.5	25	15	31	.048
8	R1/4	3603 08 13	14	15	23.5	26.5	15	31	.053
10	R1/4	3603 10 13	18	17.5	29	30.5	19.5	37.5	.082
10	R3/8	3603 10 17	18	17.5	29	32.5	19.5	37.5	.074
12	R3/8	3603 12 17	21	19.5	31	36.5	23	40.5	.114
14	R1/2	3603 14 21	22	21.5	34	40	24	45	.142

nickel-plated brass
with "O" ring seal

the body is orientable for positioning purposes

3693**male run tee** tube to tube to BSPP or M5

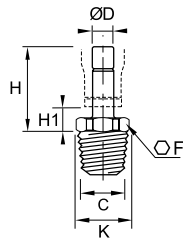
ØD mm	C BSPP/M5	Part Number metric	F mm	G mm	H1 mm	H2 mm	K mm	L mm	kg
4	M5x0.8	3693 04 19	10	10	18	22.5	11	23	.018
4	G1/8	3693 04 10	13	10	18	20.5	14	23	.021
6	G1/8	3693 06 10	13	12	21.5	25	14	28	.032
6	G1/4	3693 06 13	16	12	21.5	24.5	17.5	28	.039
8	G1/8	3693 08 10	14	15	23.5	26.5	15	31	.048
8	G1/4	3693 08 13	16	15	23.5	26.5	17.5	31	.053
10	G1/4	3693 10 13	18	17.5	29	33	19.5	37.5	.081
12	G3/8	3693 12 17	21	19.5	31	36.5	23	40.5	.111
14	G1/2	3693 14 21	24	21.5	34	38.5	26	45	.129



= suitable for food applications

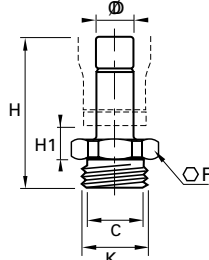


WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

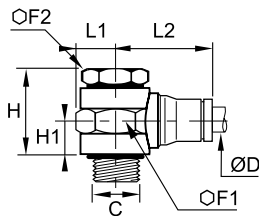
**3621****male stud standpipe** metric tube to BSPT

nickel-plated brass

ØD mm	C BSPT	Part Number	F1 mm	H mm	H1 mm	K mm	kg
4	R1/8	3621 04 10	10	21	7	11	.007
4	R1/4	3621 04 13	14	21	7	15	.014
6	R1/8	3621 06 10	10	23.5	6.5	11	.008
6	R1/4	3621 06 13	10	23.5	6.5	15	.015
8	R1/8	3621 08 10	10	24	6.5	11	.008
8	R1/4	3621 08 13	14	24	6.5	15	.016
10	R1/4	3621 10 13	14	22	6.5	15	.018
10	R3/8	3621 10 17	17	30	7.5	18.5	.029
12	R3/8	3621 12 17	17	31	7.5	18.5	.024
12	R1/2	3621 12 21	22	38	7.5	24	.041
14	R1/2	3621 14 21	22	33	8	24	.042

**3631****male standpipe** metric tube to BSPP or M5nickel-plated brass
with "O" ring seal

ØD mm	C BSPP/M5	Part Number	F1 mm	H mm	H1 mm	K mm	kg
4	M5x0.8	3631 04 19	13	25.5	7	14	.003
4	G1/8	3631 04 10	16	26.5	7	17.5	.007
4	G1/4	3631 04 13	8	25	7.5	8.7	.011
6	G1/8	3631 06 10	13	28	6.5	14	.008
6	G1/4	3631 06 13	16	29	6.5	17.5	.012
8	G1/8	3631 08 10	13	28.5	6.5	14	.009
8	G1/4	3631 08 13	16	29.5	6.5	17.5	.013
8	G3/8	3631 08 17	20	30.5	7.5	22	.021
10	G1/4	3631 10 13	16	34.5	6.5	17.5	.017
10	G3/8	3631 10 17	20	35.5	7.5	22	.023
10	G1/2	3631 10 21	24	37	7.5	26	.029
12	G3/8	3631 12 17	20	36.5	7.5	22	.021
12	G1/2	3631 12 21	24	38	7.5	26	.031
14	G1/2	3631 14 21	24	40	8	26	.031

3618**single banjo** metric tube to BSPP or M5nickel-plated brass
with sealing washer

maximum temperature: 176° F (80° C)

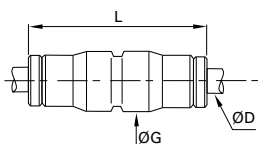
ØD mm	C BSPP/M5	Part Number	F1 mm	F2 mm	H mm	H1 mm	L1 mm	L2 mm	kg
4	M5x0.8	3618 04 19	10	8	14.5	6.5	6	18.5	.011
4	G1/8	3618 04 10	17	14	23	9.5	10	20.5	.041
6	M5x0.8	3618 06 19	10	8	15	7	6	22.5	.014
6	G1/8	3618 06 10	17	14	23	9.5	10	23.5	.045
6	G1/4	3618 06 13	22	17	22	9	13	25.5	.068
8	G1/8	3618 08 10	17	14	23	9.5	10	26	.046
8	G1/4	3618 08 13	22	17	22	9	13	27.5	.066
10	G3/8	3618 10 17	22	22	33	14	13	32	.105



= suitable for food applications



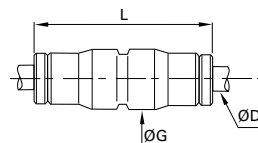
WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**3606****straight union** fractional inch tube to tube

nickel-plated brass

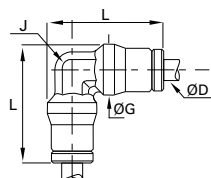
ØD in	Part Number	G in	L in	oz
1/8	3606 53 00†	.34	.97	.32
5/32	3606 04 00	.39	1.20	.32
1/4	3606 56 00	.49	1.44	.53
5/16	3606 08 00	.59	1.48	.81
3/8	3606 60 00	.67	1.87	1.27
1/2	3606 62 00	.79	1.89	1.69

†plastic button, metal body; does not meet FDA Compliance

**3606****straight union** metric tube to tube

nickel-plated brass

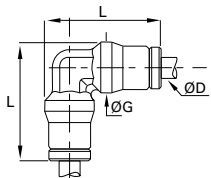
ØD mm	Part Number	G mm	L mm	kg
4	3606 04 00	10	30.5	.009
6	3606 06 00	12	36.5	.015
8	3606 08 00	15	37.5	.023
10	3606 10 00	17.5	47.5	.036
12	3606 12 00	19.5	50	.048
14	3606 14 00	21.5	52.5	.054

**3602****union elbow** fractional inch tube to tube

nickel-plated brass

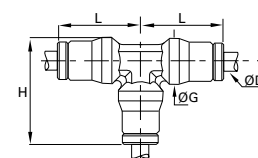
ØD in	Part Number	G in	J in	L in	oz
1/8	3602 53 00†	.34	.28	.91	.32
5/32	3602 04 00	.39	.28	.91	.32
1/4	3602 56 00	.49	.32	1.12	.60
5/16	3602 08 00	.59	.39	1.22	.88
3/8	3602 60 00	.67	.47	1.48	1.34
1/2	3602 62 00	.79	.59	1.61	1.98

†plastic button, metal body; does not meet FDA Compliance

**3602****union elbow** metric tube to tube

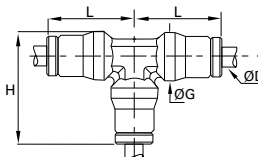
nickel-plated brass

ØD mm	Part Number	G mm	L mm	kg
4	3602 04 00	10	23	.009
6	3602 06 00	12	28	.017
8	3602 08 00	15	31	.025
10	3602 10 00	17.5	37.5	.038
12	3602 12 00	19.5	40.5	.056
14	3602 14 00	21.5	45	.068

**3604****union tee** fractional inch tube to tube to tube

nickel-plated brass

ØD in	Part Number	G in	H in	L in	oz
1/8	3604 53 00*				
5/32	3604 04 00	.39	.91	.71	.46
1/4	3604 56 00	.49	1.12	.87	.81
5/16	3604 08 00	.59	1.22	.93	1.20
3/8	3604 60 00	.67	1.48	1.14	1.90
1/2	3604 62 00	.79	1.61	1.22	2.68

**3604****union tee** metric tube to tube to tube

nickel-plated brass

ØD mm	Part Number	G mm	H mm	L mm	kg
4	3604 04 00	10	23	18	.013
6	3604 06 00	12	28	21.5	.023
8	3604 08 00	15	31	23.5	.034
10	3604 10 00	17.5	37.5	29	.054
12	3604 12 00	19.5	40.5	31	.076
14	3604 14 00	21.5	45	34	.096

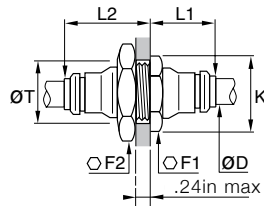
†plastic button, metal body; does not meet FDA Compliance



= suitable for food applications

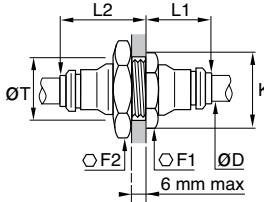


WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**3616****bulkhead connector** fractional inch tube to tube

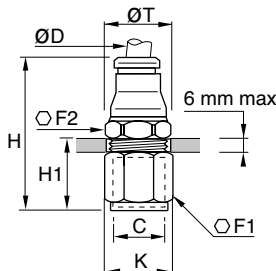
nickel-plated brass

ØD in	Part Number	F1 mm	F2 mm	K in	L1 in	L2 in	T in	oz
5/32	3616 04 00	13	14	.55	.55	.79	.49	.64
1/4	3616 56 00	16	17	.69	.67	.89	.59	1.06
5/16	3616 08 00	18	19	.77	.73	.93	.67	1.34
3/8	3616 60 00	22	27	.95	.87	1.10	.85	2.29
1/2	3616 62 00	24	24	1.16	.89	1.14	1.04	2.50

**3616****bulkhead connector** metric tube to tube

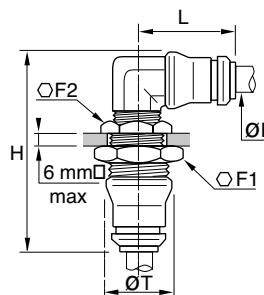
nickel-plated brass

ØD mm	Part Number	F1 mm	F2 mm	K mm	L1 mm	L2 mm	T mm	kg
4	3616 04 00	13	14	14	14	20	12.5	.018
6	3616 06 00	16	17	17.5	17	22	15	.030
8	3616 08 00	18	19	19.5	18.5	23.5	17	.038
10	3616 10 00	22	27	24	21.5	26.5	21	.065
12	3616 12 00	24	24	26	23	27	23	.071
14	3616 14 00	27	27	29.5	25.5	29.5	25	.098

**3636****female bulkhead connector** metric tube to BSPP

nickel-plated brass

ØD1 mm	C BSPP	Part Number	F1 mm	F2 mm	H mm	H1 mm	K mm	T mm	kg
4	G1/8	3636 04 10	14	14	30.5	11	15	13	.024
6	G1/8	3636 06 10	17	17	32.5	11	18.5	15	.032
6	G1/4	3636 06 13	17	17	37	15	18.5	15	.036
8	G1/8	3636 08 10	19	19	34	10.5	21	17	.041
8	G1/4	3636 08 13	19	19	38	14.5	21	17	.040
10	G3/8	3636 10 17	22	27	42.5	16	24	21	.075
12	G3/8	3636 12 17	24	24	43	16	26	23	.092
12	G1/2	3636 12 21	27	24	48.5	21.5	29.5	23	.116

**3639****bulkhead elbow** metric tube to tube

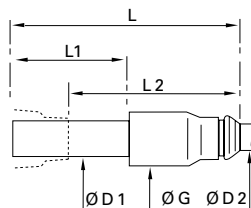
nickel-plated brass

ØD mm	Part Number	F1 mm	F2 mm	H mm	K mm	L mm	T mm	kg
4	3639 04 00	13	14	35	14	18	12.5	.024
6	3639 06 00	16	17	40.5	17.5	21.5	15	.038
8	3639 08 00	18	19	44	19.5	23.5	17	.054
10	3639 10 00	22	27	51	24	29	21	.088
12	3639 12 00	24	24	55	26	31	23	.117
14	3639 14 00	27	27	59	29.5	34	25	.144

= suitable for food applications

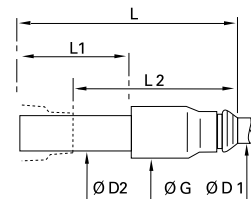


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**3666****plug-in reducer** fractional inch

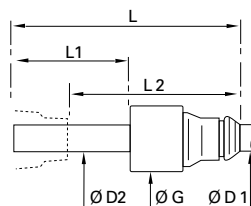
nickel-plated brass

ØD1 in	ØD2 in	Part Number	G mm	L mm	L1 mm	L2 mm	
5/32	1/4	3666 04 56	.39	1.36	.75	.69	.27
5/32	5/16	3666 04 08	.39	1.40	.79	.71	.35
1/4	3/8	3666 56 60	.49	1.46	.79	.77	.54
1/4	1/2	3666 56 62	.49	1.71	.98	.83	.55
3/8	1/2	3666 60 62	.67	1.97	1.02	1.04	1.28

**3666****plug-in reducer** metric

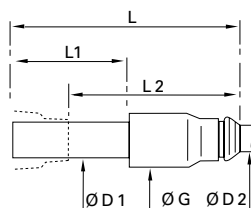
nickel-plated brass

ØD1 mm	ØD2 mm	Part Number	G mm	L mm	L1 mm	L2 mm	
4	6	3666 04 06	10	34.5	19	17.5	.005
4	8	3666 04 08	10	35.5	20	18	.006
6	8	3666 06 08	12	37	20	19.5	.003
6	10	3666 06 10	12	43.5	25	21	.009
8	10	3666 08 10	15	44	25	21.5	.012
8	12	3666 08 12	15	45	26	21.5	.013
10	12	3666 10 12	17.5	50	26	26.5	.018
12	14	3666 12 14	19.5	53	28	28.5	.039

**3668****plug-in expander** metric

nickel-plated brass

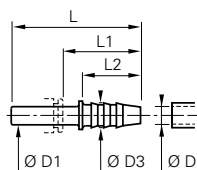
ØD1 mm	ØD2 mm	Part Number	G mm	L mm	L1 mm	L2 mm	
6	4	3668 06 04	17	42	22	28	.013

**3667****plug-in adapter** metric/inch

nickel-plated brass

ØD1 mm	ØD2 in	Part Number	G mm	L mm	L1 mm	L2 mm	
6	1/4	3667 06 56	12.5	38	19	20.5	.016
10	3/8	3667 10 60	17	49.5	25	27	.020
12	1/2	3667 12 62	20	51	26	27.5	.040

This item allows fractional inch tube to be used with fittings designed for use with metric tubing.

3122**barbed connector** fractional inch

nylon

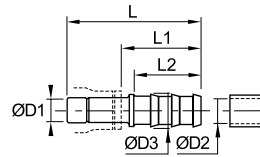
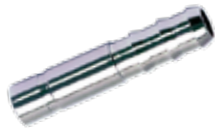
maximum temperature: 175° F

ØD1 in	ØD2 in	ØD3 in	Part Number	L in	L1 in	L2 in	
5/32	.12	.20	3122 04 53	1.46	.98	.67	.11
5/32	.20	.28	3122 04 05	1.46	.98	.67	.11
5/16	.25	.34	3122 08 56	1.55	.83	.67	.04
5/16	.32	.39	3122 08 08	1.75	1.02	.87	.04
3/8	.32	.39	3122 60 08	1.97	1.16	.87	.11

Dimensions for ØD2 are I.D. of the tube.
3122 does not meet FDA compliance

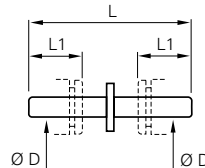
= suitable for food applications

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**3622** | **plug-in barbed connector** metric

nickel-plated brass

ØD1 mm	ØD2 mm	ØD3 mm	Part Number	L mm	L1 mm	L2 mm	kg
4	3.2	5	3622 04 53	40.5	27	22.5	.003
4	5	7	3622 04 05	40.5	27	22.5	.004
6	5	7	3622 06 05	43	27	22.5	.006
8	6.3	8.3	3622 08 56	42	25	22.5	.008
8	8	10	3622 08 08	44	27	22.5	.009
10	6.3	10	3622 10 56	47.5	25.5	22.5	.011
10	8	8.3	3622 10 08	47.5	25.5	22.5	.011
12	8	10	3622 12 08	48.5	25.5	22.5	.013
12	10	12	3622 12 10	48.5	25.5	22.5	.014
12	12.5	14.5	3622 12 62	57	34	29.5	.019
14	12.5	14.5	3622 14 62	57.5	33	29.5	.022
14	14	16	3622 14 14	59.5	35	29.5	.023

3120 | **double male union** fractional inch

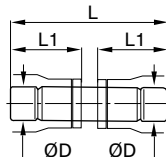
nylon

maximum temperature: 175° F

ØD mm	Part Number	L mm	L1 mm	kg
5/32	3120 04 00	1.36	.47	.04
3/16	3120 55 00 85*	1.24	.57	.12
1/4	3120 56 00	1.52	.57	.03
5/16	3120 08 00	1.61	.73	.07
3/8	3120 60 00	2.03	.81	.07
1/2	3120 62 00 85*	2.13	.86	.46

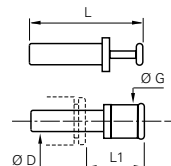
*Nickel-plated brass

3120 does not meet FDA compliance

**3620** | **double male union** metric

nickel-plated brass

ØD mm	Part Number	L mm	L1 mm	kg
4	3620 04 00	31	14	.002
6	3620 06 00	36.5	17	.005
8	3620 08 00	37.5	17.5	.007
10	3620 10 00	47.5	22.5	.010
12	3620 12 00	49.5	23.5	.014
14	3620 14 00	53	25	.017

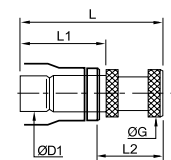
3126 | **plug** fractional inch

nylon

maximum temperature: 175° F

ØD in	Part Number	G in	L in	L1 in	kg
1/8	3126 53 00	.24	1.30	.85	.05
5/32	3126 04 00	.16	1.18	.61	.04
3/16	3126 55 00	.27	1.36	.79	.06
1/4	3126 56 00	.32	1.44	.87	.06
5/16	3126 08 00	.39	1.38	.69	.07
3/8	3126 60 00	.46	1.67	.87	.10
1/2	3126 62 00	.58	1.91	.85	.18

3126 does not meet FDA compliance

**3626** | **plug** metric

nickel-plated brass

ØD1 mm	ØG mm	Part Number	L mm	L1 mm	L2 mm	kg
4	6	3626 04 00	25.5	17	11.5	.004
6	8	3626 06 00	30.5	19.5	13.5	.009
8	10	3626 08 00	33	20	16	.010
10	12	3626 10 00	40	25	18	.015
12	14	3626 12 00	43	26	20	.025
14	16	3626 14 00	47	28	22.5	.029



= suitable for food applications



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LF3800 Stainless Steel Push-to-Connect Fittings

Parker Legris' LF3800 fittings are ideal for conveying corrosive fluids in aggressive environments. LF3800 fittings provide corrosion resistance and a hygienic external design.

Product Features:

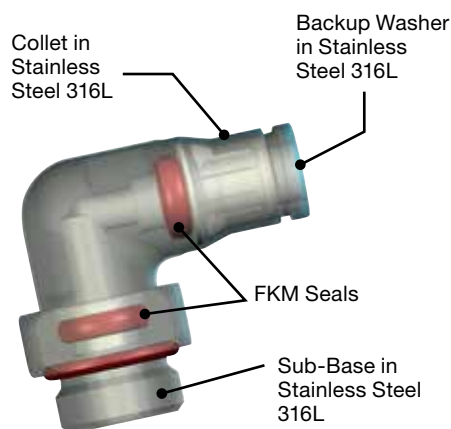
- Stainless steel 316L collet
- Stainless steel 316L body
- FKM seal
- Stainless steel 316L backup washer
- Chemical, corrosion, and abrasion resistance
- Hygienic design reduces retention zones for
- Easy cleaning
- NPT, BSPT, BSPP, and metric threads

Markets:

- Petrochemical
- Life Science
- Pulp and Paper
- Food Processing
- Wash Down

Applications:

- Food Fluids
- Chemicals
- Cleaning Agents



Specifications:

Pressure Range	Up to 435 psi (30 bar)
	Maximum working pressure and temperature range are dependent on the type of tubing used

Temperature Range	-13° to 302° F (-25° to 150° C)
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Vacuum Capability	28" Hg
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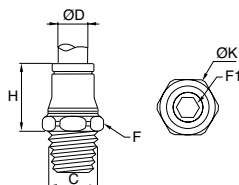
Compatible Tubing:

- Semi-rigid nylon
- Polyethylene
- Polyurethane 95 Durometer Shore A
- Fluoropolymer
- Stainless Steel (when grooved)
- Copper (when grooved)

Silicone-Free



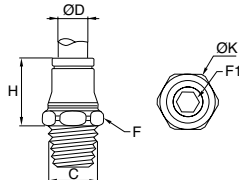
threaded fittings**3805**male connector
taper
p. A62**3801**male connector
UNF, parallel
and metric
p. A62**3889**male elbow
taper
p. A63**3879**male elbow
parallel
p. A63**3809**extended male
elbow
taper
p. A64**3899**extended male
elbow
UNF, parallel
and metric
p. A64**3808**male branch tee
taper
p. A65**3898**male branch tee
parallel and metric
p. A65**3803**male run tee
taper
p. A66**3893**male run tee
BSPP/M5
p. A66**3821**male standpipe
taper
p. A67**3831**male standpipe
parallel and metric
p. A67**tube to tube fittings****3806**union
p. A68**3802**union elbow
p. A68**3804**union tee
p. A68**3816**bulkhead union
p. A69**accessories****3866**reducer
p. A70**3826**plug
p. A70**0683**taper
p. A70**0682**parallel
p. A70**3800 70 00**groove tool
p. A70



stainless steel
internal hexagon

3805 male connector fractional inch tube to NPT

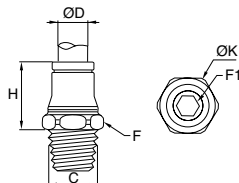
ØD in	C NPT	Part Number	F in	F1 in	H in	K in	oz
5/32	1/8	3805 04 11	10	3	.61	.43	.28
3/16	1/8	3805 55 11	10	3	.61	.43	.35
1/4	1/8	3805 56 11	13	4	.75	.55	.42
1/4	1/4	3805 56 14	14	4	.69	.59	.63
5/16	1/8	3805 08 11	15	4	.79	.65	.56
5/16	1/4	3805 08 14	15	6	.79	.65	.63
3/8	1/4	3805 60 14	19	6	.98	.83	.99
3/8	3/8	3805 60 18	19	7	.94	.83	1.20
1/2	1/4	3805 62 14	22	7	1.02	.94	1.41
1/2	3/8	3805 62 18	22	8	.98	.94	1.48
1/2	1/2	3805 62 22	22	10	.98	.94	1.76



stainless steel
internal hexagon

3805 male connector metric tube to NPT

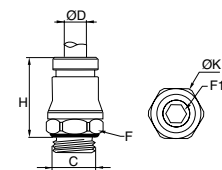
ØD mm	C NPT	Part Number	F mm	F1 mm	H mm	K mm	kg
4	1/8	3805 04 11	11	3	14.5	12	.008
6	1/8	3805 06 11	13	4	18	14	.012
6	1/4	3805 06 14	14	4	16.5	15	.016
8	1/8	3805 08 11	15	5	19	16.5	.016
8	1/4	3805 08 14	15	6	18	16.5	.020
10	1/4	3805 10 14	19	6	24	21	.030
10	3/8	3805 10 18	19	7	22.5	21	.032
12	1/4	3805 12 14	22	7	25	24	.038
12	3/8	3805 12 18	22	8	24	24	.042
12	1/2	3805 12 22	22	10	23	24	.048



stainless steel
internal hexagon

3805 male connector metric tube to BSPT

ØD mm	C BSPT	Part Number	F mm	F1 mm	H mm	K mm	kg
4	R1/8	3805 04 10	10	3	14.5	11	.008
4	R1/4	3805 04 13	10	3	14.5	11	.008
6	R1/8	3805 06 10	13	4	18	14	.012
6	R1/4	3805 06 13	14	4	16.5	15	.016
8	R1/8	3805 08 10	15	5	19	16.5	.016
8	R1/4	3805 08 13	15	6	18	16.5	.018
8	R3/8	3805 08 17	17	6	18.5	18.5	.026
10	R1/4	3805 10 13	19	6	24	21	.030
10	R3/8	3805 10 17	19	7	22.5	21	.032
12	R1/4	3805 12 13	22	7	25	24	.038
12	R3/8	3805 12 17	22	8	24	24	.042
12	R1/2	3805 12 21	22	10	23	24	.048



stainless steel
with FKM
sealing washer
internal hexagon

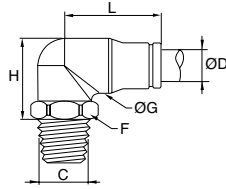
3801 male connector tube to UNF, BSPP or M5

ØD in	C UNF	Part Number fractional inch	F mm	F1 mm	H in	K in	oz
5/32	10-32	3801 04 20	10	2.5	.59	.43	.21

ØD mm	C BSPP/M5	Part Number metric	F mm	F1 mm	H mm	K mm	kg
4	M5x0.8	3801 04 19	10	2.5	16	11	.004
4	G1/8	3801 04 10	13	3	15	14	.010
6	G1/8	3801 06 10	13	4	18	14	.012
6	G1/4	3801 06 13	17	4	18	18.5	.016
6	M5x0.8	3801 06 19	13	2.5	20.5	14	.010
8	G1/8	3801 08 10	15	5	19	16.5	.013
8	G1/4	3801 08 13	17	5	20.5	18.5	.018
8	G3/8	3801 08 17	21	6	20	23	.027
10	G1/4	3801 10 13	19	7	25	21	.024
10	G3/8	3801 10 17	21	7	25	23	.035
12	G1/4	3801 12 13	21	7	27	23	.030
12	G3/8	3801 12 17	21	9	26.5	23	.034



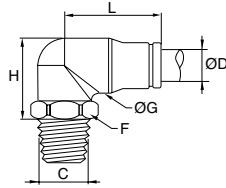
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



stainless steel
the body is orientable for
positioning purposes

3889 male elbow fractional inch tube to NPT

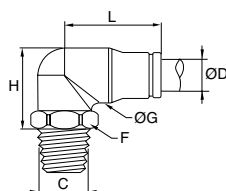
ØD in	C NPT	Part Number	F mm	G in	H in	L in	kg
5/32	1/8	3889 04 11	13	.39	.77	.77	.56
1/4	1/8	3889 56 11	13	.47	.85	.91	.78
1/4	1/4	3889 56 14	14	.47	.85	.91	1.06
5/16	1/8	3889 08 11	15	.59	1.00	.98	.99
5/16	1/4	3889 08 14	15	.59	1.00	.98	1.20
3/8	1/4	3889 60 14	17	.69	1.12	1.20	1.69
3/8	3/8	3889 60 18	19	.69	1.12	1.20	2.05
1/2	1/4	3889 62 14	22	.79	1.34	1.30	2.61
1/2	3/8	3889 62 18	22	.79	1.34	1.30	2.54
1/2	1/2	3889 62 22	22	.79	1.34	1.30	3.25



stainless steel
the body is orientable for
positioning purposes

3889 male elbow metric tube to NPT

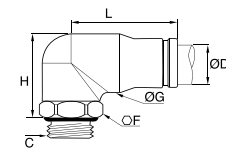
ØD in	C NPT	Part Number	F mm	G in	H in	L in	kg
4	1/8	3889 04 11	13	10	17.5	19	.016
6	1/8	3889 06 11	13	12.5	20	22.5	.022
6	1/4	3889 06 14	14	12.5	20	22.5	.030
8	1/8	3889 08 11	13	15	25	24	.028
8	1/4	3889 08 14	14	15	24	24	.034
10	1/4	3889 10 14	17	17.5	27.5	27.5	.046
10	3/8	3889 10 18	19	17.5	28.5	26.5	.056
12	1/4	3889 12 14	22	20	31.5	32.5	.070
12	3/8	3889 12 18	22	20	32.5	32.5	.060
12	1/2	3889 12 22	22	20	27.5	32.5	.084



stainless steel
the body is orientable for
positioning purposes

3889 male elbow metric tube to BSPT

ØD mm	C BSPT	Part Number	F mm	G mm	H mm	L mm	kg
4	R1/8	3889 04 10	13	11	18	19	.019
4	R1/4	3889 04 13	14	11	18	19	.026
6	R1/8	3889 06 10	13	12	20	24	.026
6	R1/4	3889 06 13	14	12	20	23	.033
8	R1/8	3889 08 10	13	14.5	24.5	32	.036
8	R1/4	3889 08 13	14	14.5	23.5	24	.040
8	R3/8	3889 08 17	19	15	23	25	.053
10	R1/4	3889 10 13	17	17	27	31	.060
10	R3/8	3889 10 17	19	17	26	31	.064
12	R1/4	3889 12 13	22	20	31.5	33	.091
12	R3/8	3889 12 17	22	20	32.5	33	.090
12	R1/2	3889 12 21	22	20	27.5	33	.095



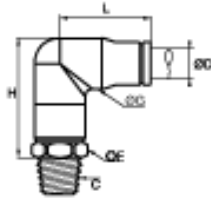
stainless steel
the body is orientable for
positioning purposes

3879 male elbow metric tube to BSPP

ØD mm	C BSPP	Part Number	F mm	G mm	H mm	L mm	kg
4	G1/8	3879 04 10	10	11	22	19	.021
4	G1/4	3879 04 13	17	11	20	19	.026
6	G1/8	3879 06 10	13	12	24	24	.028
6	G1/4	3879 06 13	17	12	22	24	.034
8	G1/8	3879 08 10	13	15	25	25	.035
8	G1/4	3879 08 13	17	15	25	25	.040
8	G3/8	3879 08 17	21	15	23	25	.048
10	G1/4	3879 10 13	18	17	43	31	.056
10	G3/8	3879 10 17	21	17	40	31	.067
12	G1/4	3879 12 13	17	20	33	33	.075
12	G3/8	3879 12 17	21	20	33	33	.082
12	G1/2	3879 12 21	24	20	30	33	.094



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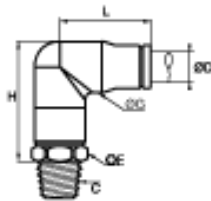


stainless steel

the body is orientable for positioning purposes

3809 extended male elbow metric tube to NPT

ØD mm	C NPT	Part Number	F mm	G mm	H mm	L mm	kg
4	1/8	3809 04 11	11	10	25.5	18.5	.016
6	1/8	3809 06 11	13	12.5	29	22.5	.026
6	1/4	3809 06 14	14	12.5	29	22.5	.030
8	1/8	3809 08 11	14	15	34	24	.040
8	1/4	3809 08 14	14	15	34	24	.044
10	1/4	3809 10 14	19	17.5	39.5	30	.066
10	3/8	3809 10 18	19	17.5	39.5	30	.066

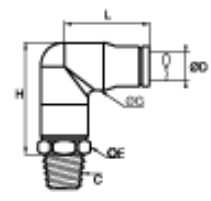


stainless steel

the body is orientable for positioning purposes

3809 extended male elbow metric tube to BSPT

ØD mm	C BSPT	Part Number	F mm	G mm	H mm	L mm	kg
4	R1/8	3809 04 10	10	11	25	19	.021
4	R1/4	3809 04 13	14	11	26	19	.028
6	R1/8	3809 06 10	13	12	30	24	.031
6	R1/4	3809 06 13	14	12	30	24	.037
8	R1/8	3809 08 10	14	14.5	34	24.9	.040
8	R1/4	3809 08 13	14	14.5	34	24.9	.047
10	R1/4	3809 10 13	19	17.5	39	31	.068
10	R3/8	3809 10 17	19	17.5	39	31	.090

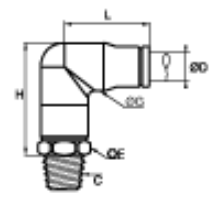


stainless steel with FKM
sealing washer

the body is orientable for positioning purposes

3899 extended male elbow fractional inch tube to UNF

ØD in	C UNF	Part Number	F mm	G in	H in	L in	oz
5/32	10-32	3899 04 20	10	.39	.98	.77	.49



stainless steel with FKM
sealing washer

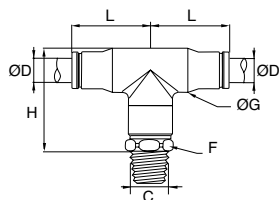
the body is orientable for positioning purposes

3899 extended male elbow metric tube to BSPP or M5

ØD mm	C BSPP/M5	Part Number	F mm	G mm	H mm	L mm	kg
4	M5x0.8	3899 04 19	10	10	26	18	.019
4	G1/8	3899 04 10	13	10	27	19	.021
4	G1/4	3899 04 13	17	27	27	19	.018
6	M5x0.8	3899 06 19	13	12	33	24	.031
6	G1/8	3899 06 10	6	12	33	24	.031
6	G1/4	3899 06 13	17	12	32	24	.035
8	G1/8	3899 08 10	14	15	35	25	.039
8	G1/4	3899 08 13	17	15	35	25	.044
8	G3/8	3899 08 17	21	15	34.5	25	.048
10	G1/4	3899 10 13	19	17	43	31	.069
10	G3/8	3899 10 17	21	17	42	31	.072



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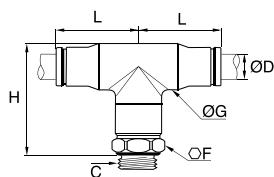


stainless steel

the body is orientable for
positioning purposes

3808 male branch tee fractional inch tube to NPT

ØD in	C NPT	Part Number	F mm	G in	H in	J in	L in	oz
5/32	1/8	3808 04 11	10	.39	.91	.28	.69	.71
5/16	1/8	3808 08 11	14	.59	1.34	.43	.94	1.76
5/16	1/4	3808 08 14	14	.59	1.34	.43	.94	1.90



stainless steel

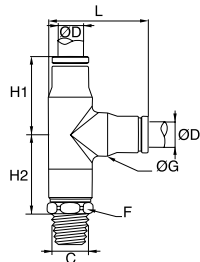
the body is orientable for
positioning purposes

3898 male branch tee metric tube to BSPP or M5

ØD mm	C BSPP/M5	Part Number	F mm	G mm	H mm	L mm	kg
4	M5x0.8	3898 04 19	10	11	27	19	.024
4	1/4	3898 04 13	17	11	27	19	.032
8	1/4	3898 08 13	17	15	35	25	.054
10	1/4	3898 10 13	19	17	43	31	.080



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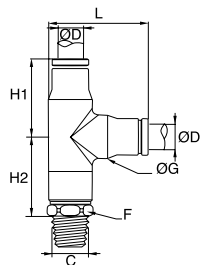


stainless steel

the body is orientable for positioning purposes

3803 male run tee fractional inch tube to NPT

ØD in	C NPT	Part Number	F mm	G in	H1 in	H2 in	L in	oz
5/32	1/8	3803 04 11	10	.39	.69	.71	.89	.71
5/16	1/8	3803 08 11	14	.59	.94	1.04	1.20	1.76
5/16	1/4	3803 08 14	14	.59	.94	1.04	1.20	1.90

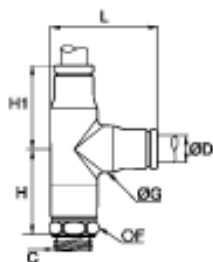


stainless steel

the body is orientable for positioning purposes

3803 male run tee metric tube to NPT

ØD mm	C NPT	Part Number	F mm	G mm	H1 mm	H2 mm	L mm	kg
6	1/4	3803 06 14	14	12	21	24	27.5	.038
8	1/4	3803 08 14	14	15	24	26.5	30.5	.054
10	1/4	3803 10 14	19	17.5	29.5	31	37.5	.084



stainless steel

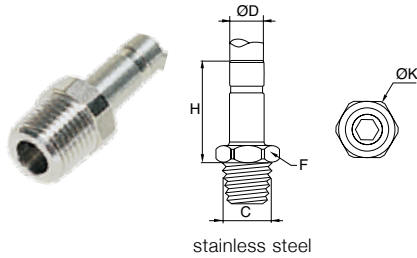
the body is orientable for positioning purposes

3893 male run tee metric tube to BSPP or M5

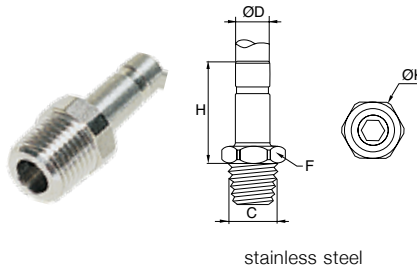
ØD mm	C BSPP/M5	Part Number	F mm	G mm	H1 mm	H2 mm	L mm	kg
8	G1/4	3893 08 13	17	15	28	25	33.5	.054
8	G3/8	3893 08 17	21	15	27	25	35.5	.094
10	G1/4	3893 10 13	19	17	31	34	39	.080



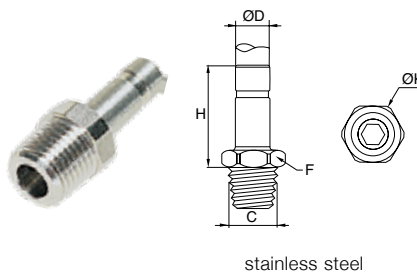
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3821 | **male standpipe** fractional inch tube to NPT

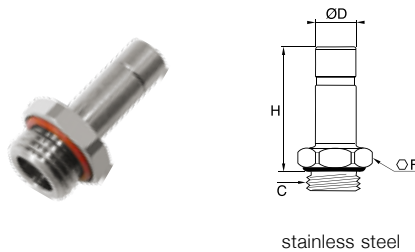
ØD in	C NPT	Part Number	F in	H in	K in	oz
5/32	1/8	3821 04 11	.39	.98		.21
1/4	1/8	3821 56 11	.39	1.02		.35
1/4	1/4	3821 56 14	.55	1.06		.63
5/16	1/8	3821 08 11	.43	1.06		.42
5/16	1/4	3821 08 14	.55	1.06		.71
3/8	1/4	3821 60 14	.75	1.26		.71
3/8	3/8	3821 60 18	.75	1.26		1.06
1/2	1/4	3821 62 14	.75	1.46		1.34
1/2	3/8	3821 62 18	.87	1.46		1.98
1/2	1/2	3821 62 22				

3821 | **male standpipe** metric tube to NPT

ØD1 mm	C NPT	Part Number	F mm	H mm	K mm	kg
4	1/8	3821 04 11	11	21	12	.006
6	1/8	3821 06 11	11	23	12	.008
6	1/4	3821 06 14	14	24	15	.016
8	1/8	3821 08 11	14	24	15	.010
8	1/4	3821 08 14	14	25	15	.016
10	1/4	3821 10 14	14	30	15	.016
10	3/8	3821 10 18	17	30	18.5	.022
12	1/4	3821 12 14	14	31	15	.022
12	1/4	3821 12 14				

3821 | **male standpipe** metric tube to BSPT

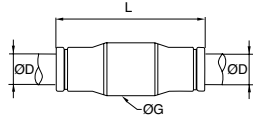
ØD mm	C BSPT	Part Number	F mm	H mm	kg
4	R1/8	3821 04 10	10	21	.006
6	R1/8	3821 06 10	10	23	.008
6	R1/4	3821 06 13	14	24	.017
8	R1/8	3821 08 10	11	24	.017
8	R1/4	3821 08 13	14	25	.020
10	R1/4	3821 10 13	19	30	.023
10	R3/8	3821 10 17	19	30	.023
12	R1/4	3821 12 13	19	31	.025
12	R3/8	3821 12 17	19	31	.031
12	R1/2	3821 12 21	22	32	.052

3831 | **male standpipe** tube to BSPP or M5

ØD mm	C BSPP/M5	Part Number	F mm	H mm	kg
4	M5x0.8	3831 04 19	7	23.5	.003
4	G1/8	3831 04 10	13	22	.008
6	G1/8	3831 06 10	13	24	.009
6	G1/4	3831 06 13	17	24	.015
8	G1/8	3831 08 10	13	25	.099
8	G1/4	3831 08 13	17	27	.019
8	G3/8	3831 08 17	21	27	.025
10	G1/4	3831 10 13	17	32	.021
10	G3/8	3831 10 17	21	27	.023
12	G1/4	3831 12 13	17	33	.022
12	G3/8	3831 12 17	21	33	.028
12	G1/2	3831 12 21	24	36	.045

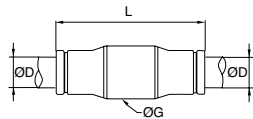


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3806 | **straight union** fractional inch tube to tube

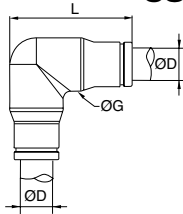
stainless steel

ØD in	Part Number	G in	L in	oz
5/32	3806 04 00	.39	1.18	.28
3/16	3806 55 00	.39	1.18	.28
1/4	3806 56 00	.47	1.38	.49
5/16	3806 08 00	.59	1.46	.71
3/8	3806 60 00	.69	1.81	1.20
1/2	3806 62 00	.79	1.89	1.62

3806 | **straight union** metric tube to tube

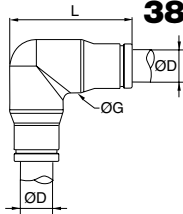
stainless steel

ØD in	Part Number	G in	L in	kg
4	3806 04 00	10	29	.008
6	3806 06 00	12	34	.014
8	3806 08 00	15	36	.020
10	3806 10 00	17.5	45	.034
12	3806 12 00	20	46.5	.046

3802 | **union elbow** fractional inch tube to tube

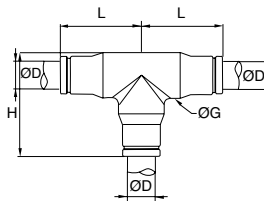
stainless steel

ØD in	Part Number	G in	L in	oz
5/32	3802 04 00	.39	.96	.35
1/4	3802 56 00	.47	1.14	.56
5/16	3802 08 00	.59	1.28	.92
3/8	3802 60 00	.69	1.56	1.48
1/2	3802 62 00	.79	1.61	1.83

3802 | **union elbow** metric tube to tube

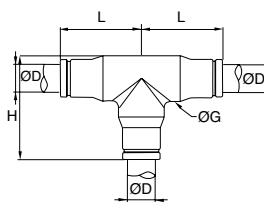
stainless steel

ØD mm	Part Number	G mm	L mm	kg
4	3802 04 00	10	24	.015
6	3802 06 00	12	30	.023
8	3802 08 00	14.5	32.2	.031
10	3802 10 00	17	39	.048
12	3802 12 00	20	43	.063

3804 | **union tee** fractional inch tube to tube to tube

stainless steel

ØD in	Part Number	G in	H in	L in	oz
5/32	3804 04 00	.39	.89	.69	.56
1/4	3804 56 00	.47	1.06	.83	.85
5/16	3804 08 00	.59	1.20	.91	1.27
3/8	3804 60 00	.69	1.48	1.12	1.98
1/2	3804 62 00	.79	1.61	1.22	2.40

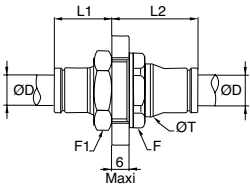
3804 | **union tee** metric tube to tube to tube

stainless steel

ØD mm	Part Number	G mm	H mm	L mm	kg
4	3804 04 00	11	24	19	.020
6	3804 06 00	12	30	24	.031
8	3804 08 00	14.5	32	25	.041
10	3804 10 00	17	39	31	.062
12	3804 12 00	20	43	33	.086



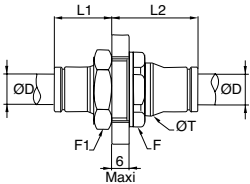
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



stainless steel

3816 | **bulkhead union** fractional inch tube to tube

ØD in	Part Number	F mm	F1 mm	L1 in	L2 in	T in	
5/32	3816 04 00	13	14	.59	.83	.49	.63
3/16	3816 55 00	17	13	.59	.83	.49	.63
1/4	3816 56 00	19	17	.67	.89	.57	.99
5/16	3816 08 00	19	19	.75	.94	.63	1.27
3/8	3816 60 00	27	22	.87	1.08	.83	2.05
1/2	3816 62 00	27	27	.94	1.14	1.00	2.54



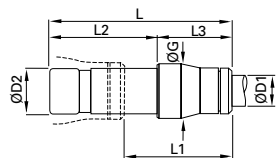
stainless steel

3816 | **bulkhead union** metric tube to tube

ØD in	Part Number	F mm	F1 mm	L1 in	L2 in	T in	
4	3816 04 00	13	14	13.5	19.5	12.5	.018
6	3816 06 00	17	17	16.5	21.5	14.5	.028
8	3816 08 00	19	19	18	24	16.5	.036
10	3816 10 00	22	22	21.5	27.5	20.5	.058
12	3816 12 00	24	24	24	29	22.5	.072



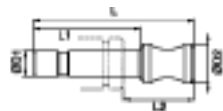
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stainless steel

3866 reducer metric

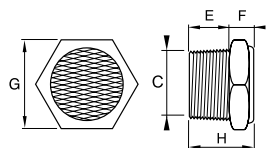
ØD1 mm	ØD2 mm	Part Number	G mm	L mm	L1 mm	L2 mm	L3 mm	kg
4	6	3866 04 06	10	35	19	19	16	.008
4	8	3866 04 08	10	34	17	20	14	.011
6	8	3866 06 08	12	42	24	23	19	.014
6	10	3866 06 10	12	41	19	25	16	.018
8	10	3866 08 10	15	45	22.5	25	20	.021
8	12	3866 08 12	15	43	20	26	17	.023
10	12	3866 10 12	17	51	23	26	24	.029



stainless steel

3826 plug metric

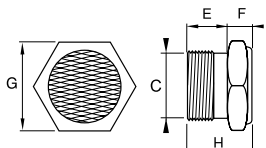
ØD1 mm	ØD2 mm	Part Number	L mm	L1 mm	L2 mm	kg
4	6	3826 04 00	25	17	11	.003
6	8	3826 06 00	30.4	19.5	13.5	.007
8	10	3826 08 00	33	20	14	.014
10	12	3826 10 00	40	25	17	.025
12	14	3826 12 00	43	26	19	.038



body stainless steel 316L

0683 stainless steel threaded silencer male NPT

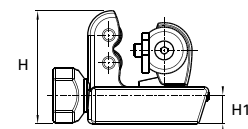
C NPT	Part Number	E in	F in	G mm	H in	kg
1/8	0683 00 11	.28	.28	14	.55	.35
1/4	0683 00 14	.43	.28	17	.71	.53
3/8	0683 00 18	.43	.31	22	.75	.81
1/2	0683 00 22	.59	.39	27	.98	1.55



body stainless steel 316L

0682 stainless steel threaded silencer male BSPP

C BSPP	Part Number	E in	F in	G mm	H in	kg
G1/8	0682 00 10	8	7	14	15	0.009
G1/4	0682 00 13	8	7	17	15	0.013
G3/8	0682 00 17	10	8	22	18	0.020
G1/2	0682 00 21	12	10	27	22	0.038
G3/4	0682 00 27	15	12	32	27	0.066
G1	0682 00 34	18	14	38	32	0.118

3800 70 00 groove tool

steel

Part Number	H mm	H1 mm	L mm	kg
3800 70 00	25	20	96	.020

In cases where access is difficult this tool can be useful, particularly if the standard release buttons have been removed. (Release buttons can only be removed on 3/16 sizes.)



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Water & Beverage: Thermoplastic Fittings and Ball Valves

LIQUIfit[®]

TrueSeal[™]

Fast & Tite[®]

Par-Barb[®]





LIQUIfit Fittings



Parker's LIQUIfit fittings offer an innovative alternative for water applications. Fittings ensure reliable and compact connection for liquid transfer applications.

Product Features:

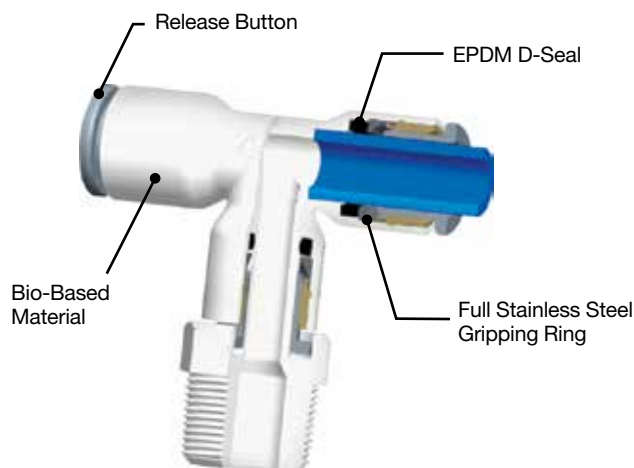
- Stainless steel grab ring
- Engineered polymer body
- EPDM D – seal
- No Pumping effect
- FDA compliant, NSF/ANSI 51 and NSF/ANSI 61
- Silicone free
- 100% leak tested in production
- Date coding to guarantee quality and traceability

Markets:

- Water Filtration
- Beverage Dispensing
- Life Science
- Bottling
- Semi-Conductor

Applications:

- Water
- Beverages
- Food
- CO₂
- Vacuum



Specifications:

Pressure Range Up to 230 PSI (16 bar)

Temperature Range +35° to +200° F (+1.7° to +93.3° C)

Note: The working specification depends on the type and wall thickness of the tube, the type of fluid, fluid Temperature and ambient temperature

Compatible Tubing:

- Polyethylene

threaded fittings**6505**NPTF
p. B4**6505**BSPT
p. B4**6315**NPTF
p. B4**6315**BSPT
p. B4**6325**UNS
p. B4**6579**NPTF
p. B5**6579**BSPT
p. B5**6509**BSPT
p. B5**6509**NPTF
p. B5**6508**NPTF
p. B6**6508**BSPT
p. B6**6503**NPTF
p. B6**6503**BSPT
p. B6**6548**NPTF
p. B7**6521**NPTF
p. B7**6521**BSPT
p. B7**tube to tube fittings****6306**fractional inch
p. B8**6306**metric
p. B8**6302**fractional inch
p. B8**6302**metric
p. B8**6304**fractional inch
p. B9**6304**metric
p. B9**6340**fractional inch
p. B9**6340**metric
p. B9**6307**fractional inch
p. B10**6307**metric
p. B10**6316**

p. B10

**plug-in fittings****6382**fractional inch
p. B11**6382**metric
p. B11**6380**metric
p. B11**6388**fractional inch
p. B11**6388**metric
p. B11**6383**fractional inch
p. B12**6383**metric
p. B12**6366**fractional inch
p. B12**6366**metric
p. B12**6326**fractional inch
p. B13**6326**metric
p. B13**6322**fractional inch
p. B13**6322**metric
p. B13**6351**fractional inch
p. B13**6351**metric
p. B13**ball valves****VUC**

p. B15

**VFC**

p. B15

**VMC**

p. B15

**VEU**

p. B16

**VFE**

p. B16

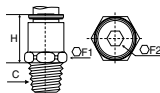
**VME**

p. B16

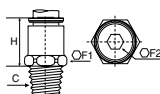
**VAS**

p. B17

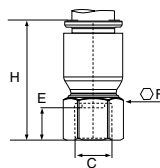


**6505** | **male connector** fractional inch tube to NPTF

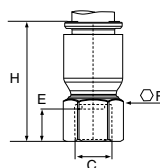
ØD in	C NPTF	Part Number	F1 in	F2 in	H in	oz
1/4	1/8	6505 56 11WP2	1/2	5/32	.67	.070
1/4	1/4	6505 56 14WP2	9/16	5/32	.67	.106
1/4	3/8	6505 56 18WP2	3/4	1/4	.85	.141
3/8	1/8	6505 60 11WP2	3/4	5/32	.87	.170
3/8	1/4	6505 60 14WP2	3/4	1/4	.87	.210
3/8	3/8	6505 60 18WP2	3/4	1/4	.87	.210
3/8	1/2	6505 60 22WP2	15/16	1/4	1.06	.420
1/2	3/8	6505 62 18WP2	15/16	3/8	1.10	.420
1/2	1/2	6505 62 22WP2	15/16	3/8	1.10	.494

**6505** | **male connector** metric tube to BSPT

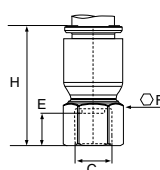
ØD mm	C BSPT	Part Number	F1 mm	F2 mm	H mm	kg
4	R1/8	6505 04 10WP2	11	3	18	.003
4	R1/4	6505 04 13WP2	14	3	18	.004
6	R1/8	6505 06 10WP2	11	4	18	.003
6	R1/4	6505 06 13WP2	14	4	18	.004
8	R1/8	6505 08 10WP2	17	6	20	.004
8	R1/4	6505 08 13WP2	17	6	20	.004
8	R3/8	6505 08 17WP2	17	6	20	.005
10	R1/4	6505 10 13WP2	17	7	21.5	.005
10	R3/8	6505 10 17WP2	19	7	21.5	.007
10	R1/2	6505 10 21WP2	22	7	21.5	.010
12	R3/8	6505 12 17WP2	19	9	24.5	.008
12	R1/2	6505 12 21WP2	22	9	24.5	.012

**6315** | **female connector** fractional inch tube to NPTF

ØD in	C NPTF	Part Number	E in	F in	H in	oz
1/4	1/4	6315 56 14WP2	14	11/16	1.18	.317
3/8	3/8	6315 60 18WP2	14	3/16	1.42	.352

**6315** | **female connector** metric tube to BSPT

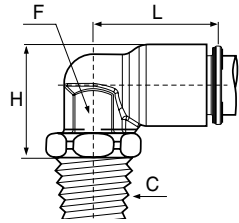
ØD mm	C BSPT	Part Number	E mm	F mm	H mm	kg
6	R1/8	6315 06 10WP2	11	13	32	.003
6	R1/4	6315 06 13WP2	14	16	33	.004
8	R1/4	6315 08 13WP2	14	16	33	.005
8	R3/8	6315 08 17WP2	14	20	36	.006

**6325** | **faucet connector** fractional inch tube to UNS

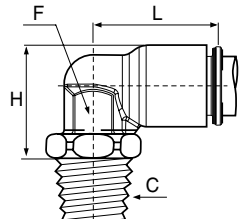
ØD in	C UNS	Part Number	E in	F in	H in	oz
1/4	7/16-24	6325 56 133WP2	27	9/16	1.22	.070
3/8	7/16-24	6325 60 133WP2	27	9/16	1.26	.141



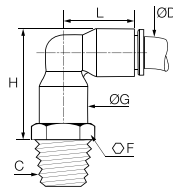
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6579 | **fixed elbow** fractional inch tube to NPTF

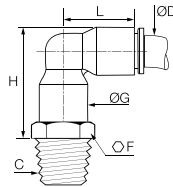
ØD in	C NPTF	Part Number	F in	G in	H in	L in	oz
1/4	1/8	6579 56 11WP2	3/8	.43	.87	.71	.106
1/4	1/4	6579 56 14WP2	3/8	.43	1.03	.71	.106
1/4	3/8	6579 56 18WP2	3/8	.43	1.04	.71	.106
3/8	1/4	6579 60 14WP2	1/2	.63	1.26	1.02	.212
3/8	3/8	6579 60 18WP2	1/2	.63	1.26	1.02	.212

6579 | **fixed elbow** metric tube to BSPT

ØD mm	C BSPT	Part Number	F mm	G mm	H mm	L mm	kg
6	R1/8	6579 06 10WP2	10	11	14	19	.002
6	R1/4	6579 06 13WP2	10	11	14	19	.003
6	R3/8	6579 06 17WP2	10	11	14	19	.004

6509 | **swivel elbow** fractional inch tube to NPTF

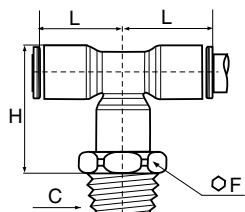
ØD in	C NPTF	Part Number	F in	G in	H in	L in	oz
1/4	1/8	6509 56 11WP2	1/2	.43	1.10	.93	.106
1/4	1/4	6509 56 14WP2	9/16	.43	1.10	.93	.141
1/4	3/8	6509 56 18WP2	3/4	.43	1.12	.93	.212
3/8	1/4	6509 60 14WP2	3/4	.63	1.50	1.34	.353
3/8	3/8	6509 60 18WP2	3/4	.63	1.50	1.34	.388
1/2	3/8	6509 62 18WP2	15/16	.87	1.99	1.83	.847
1/2	1/2	6509 62 22WP2	15/16	.87	1.99	1.83	.952

6509 | **swivel elbow** metric tube to BSPT

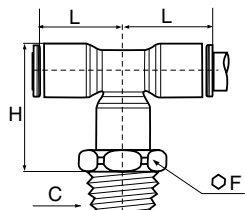
ØD mm	C BSPT	Part Number	F mm	G mm	H mm	L mm	kg
6	R1/8	6509 06 10WP2	13	10.5	28	24	.006
6	R1/4	6509 06 13WP2	14	10.5	28	24	.007
6	R3/8	6509 06 17WP2	17	10.5	28	24	.008
8	R1/8	6509 08 10WP2	19	13.5	34	29.5	.010
8	R1/4	6509 08 13WP2	19	13.5	34	29.5	.011
8	R3/8	6509 08 17WP2	19	13.5	34	29.5	.011
10	R1/4	6509 10 13WP2	19	16	38	34.5	.019
10	R3/8	6509 10 17WP2	19	16	38	34.5	.020
10	R1/2	6509 10 21WP2	22	16	38	34.5	.023
12	R3/8	6509 12 17WP2	22	19	44	40	.022
12	R1/2	6509 12 21WP2	22	19	44	40	.024



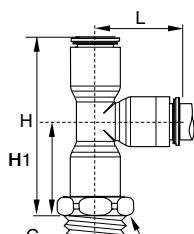
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**6508** | **swivel branch tee** fractional inch tube to male NPTF

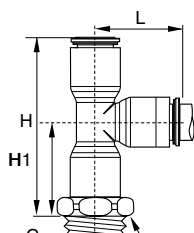
ØD in	C NPTF	Part Number	F mm	G in	H in	L in	oz
1/4	1/8	6508 56 11WP2	1/2	.43	1.10	.71	.106
1/4	1/4	6508 56 14WP2	9/16	.43	1.10	.71	.141
1/4	3/8	6508 56 18WP2	3/4	.43	1.10	.71	.247
3/8	1/4	6508 60 14WP2	3/4	.63	1.50	1.02	.459
3/8	3/8	6508 60 18WP2	3/4	.63	1.50	1.02	.459
1/2	3/8	6508 62 18WP2	15/16	.87	1.97	1.40	1.129
1/2	1/2	6508 62 22WP2	15/16	.87	2.00	1.40	1.234

**6508** | **swivel branch tee** metric tube to BSPT

ØD mm	C BSPT	Part Number	F mm	G mm	H mm	L mm	kg
6	R1/8	6508 06 10WP2	13	10.5	28	18	.008
6	R1/4	6508 06 13WP2	14	10.5	28	18	.009
6	R3/8	6508 06 17WP2	17	10.5	28	18	.010
8	R1/8	6508 08 10WP2	19	13.5	34	23	.012
8	R1/4	6508 08 13WP2	19	13.5	34	23	.013
8	R3/8	6508 08 17WP2	19	13.5	34	23	.013
10	R1/4	6508 10 13WP2	19	16	38	26.5	.018
10	R3/8	6508 10 17WP2	19	16	38	26.5	.019
10	R1/2	6508 10 21WP2	22	16	38	26.5	.022
12	R3/8	6508 12 17WP2	22	19	44	31	.024
12	R1/2	6508 12 21WP2	22	19	44	31	.026

**6503** | **swivel run tee** fractional inch tube to NPTF

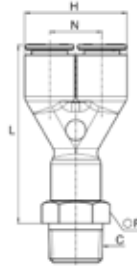
ØD in	C NPTF	Part Number	F in	G in	H in	H1 in	L in	oz
1/4	1/8	6503 56 11WP2	1/2	.43	1.60	.88	.71	.141
1/4	1/4	6503 56 14WP2	9/16	.43	1.60	.88	.71	.141
1/4	3/8	6503 56 18WP2	3/4	.43	1.63	.90	.71	.247
3/8	1/4	6503 60 14WP2	3/4	.63	1.63	1.18	1.02	.457
3/8	3/8	6503 60 18WP2	3/4	.63	1.63	1.18	1.02	.457
1/2	3/8	6503 62 18WP2	15/16	.87	2.29	1.55	1.40	1.129
1/2	1/2	6503 62 22WP2	15/16	.87	2.99	1.59	1.40	1.234

**6503** | **swivel run tee** metric tube to BSPT

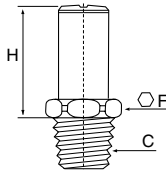
ØD mm	C BSPT	Part Number	F mm	G mm	H mm	H1 mm	L mm	kg
6	R1/8	6503 06 10WP2	13	10.5	40	22	18.5	.008
6	R1/4	6503 06 13WP2	14	10.5	40	22	18.5	.009
8	R1/8	6503 08 10WP2	19	13.5	50	27	23	.012
8	R1/4	6503 08 13WP2	19	13.5	50	27	23	.013
8	R3/8	6503 08 17WP2	19	13.5	50	27	23	.013
10	R1/4	6503 10 13WP2	19	16	56.5	30	26.5	.018
10	R1/2	6503 10 21WP2	19	16	56.5	30	26.5	.022
12	R3/8	6503 12 17WP2	22	19	65.5	34.5	31	.024
12	R1/2	6503 12 21WP2	22	19	65.5	34.5	31	.026



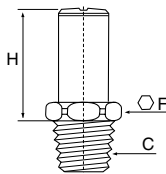
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6548 | **swivel "Y" connector** fractional inch tube to NPTF

ØD in	C NPTF	Part Number	F in	L in	H in	N in	oz
1/4	1/8	6548 56 11WP2	1/2	1.59	.88	.45	.228
1/4	1/4	6548 56 14WP2	1/2	1.59	.88	.45	.228
1/4	3/8	6548 56 18WP2	3/4	1.62	.88	.45	.231
3/8	1/8	6548 60 14WP2	3/4	2.24	1.30	.66	.375
3/8	1/4	6548 60 18WP2	3/4	2.24	1.30	.66	.375
1/2	3/8	6548 62 18WP2	15/16	2.8	1.78	.91	.713
1/2	1/4	6548 62 22WP2	15/16	2.84	1.78	.91	.720

6521 | **stem adapter** fractional inch tube to NPTF

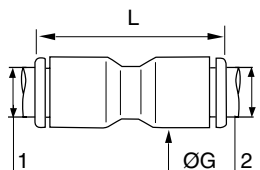
ØD in	C NPTF	Part Number	F in	H in	oz
1/4	1/8	6521 56 11WP2	1/2	.75	.035
1/4	1/4	6521 56 14WP2	1/2	.75	.070
1/4	3/8	6521 56 18WP2	3/4	.77	.141
3/8	1/4	6521 60 14WP2	3/4	.98	.141
3/8	3/8	6521 60 18WP2	3/4	.98	.141
1/2	3/8	6521 62 18WP2	15/16	1.22	.212
1/2	1/2	6521 62 22WP2	15/16	1.28	.317

6521 | **stem adapter** metric tube to BSPT

ØD mm	C BSPT	Part Number	F mm	H mm	kg
6	R1/8	6521 06 10WP2	13	19	.002
6	R1/4	6521 06 13WP2	14	19	.003
6	R3/8	6521 06 17WP2	17	19	.004
8	R1/8	6521 08 10WP2	19	23	.003
8	R1/4	6521 08 13WP2	19	23	.004
8	R3/8	6521 08 17WP2	19	23	.004
10	R1/4	6521 10 13WP2	19	25	.004
10	R3/8	6521 10 17WP2	19	25	.005
10	R1/2	6521 10 21WP2	22	25	.008
12	R3/8	6521 12 17WP2	22	28	.005
12	R1/2	6521 12 21WP2	22	28	.007

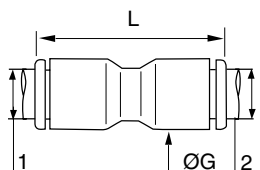


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6306 | **union** fractional inch tube to tube

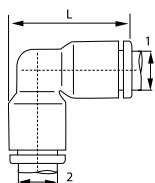
ØD in	Part Number	G in	L in	oz
5/32	6306 04 00WP2	.33	1.04	.070
1/4	6306 56 00WP2	.43	1.18	.180
5/16	6306 08 00WP2	.53	1.46	.206
3/8	6306 60 00WP2	.63	1.65	.283
1/2	6306 62 00WP2	.87	2.24	.529

ØD1 in	ØD2 in	Part Number	G in	L in	oz
1/4	5/16	6306 56 08WP2	.53	1.46	.195
1/4	3/8	6306 56 60WP2	.63	1.61	.231
5/16	3/8	6306 08 60WP2	.63	1.65	.240
5/16	1/2	6306 08 62WP2	.87	2.16	.246
3/8	1/2	6306 60 62WP2	.87	2.20	.480

6306 | **union** metric tube to tube

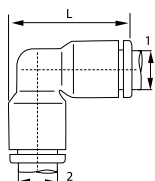
ØD mm	Part Number	G mm	L mm	kg
4	6306 04 00WP2	8.5	26.5	.002
6	6306 06 00WP2	10.5	30	.004
8	6306 08 00WP2	13.5	37	.007
10	6306 10 00WP2	16	42	.009
12	6306 12 00WP2	19	50.5	.015

ØD1 mm	ØD2 mm	Part Number	G mm	L mm	kg
4	6	6306 04 06WP2	8.5	29	.004
4	8	6306 04 08WP2	13.5	37	.010
6	8	6306 06 08WP2	13.5	37	.012
6	10	6306 06 10WP2	16	42	.018
8	10	6306 08 10WP2	16	42	.020
8	12	6306 08 12WP2	19	50	.031
10	12	6306 10 12WP2	19	50	.022

6302 | **union elbow** fractional inch tube to tube

ØD in	Part Number	G in	L in	oz
5/32	6302 04 00WP2	.33	.75	.070
1/4	6302 56 00WP2	.43	.94	.247
5/16	6302 08 00WP2	.53	1.16	.247
3/8	6302 60 00WP2	.63	1.34	.212
1/2	6302 62 00WP2	.87	1.83	.635

ØD1 in	ØD2 in	Part Number	G in	L in	oz
1/4	5/16	6302 56 08WP2	.53	1.16	.246
1/4	3/8	6302 56 60WP2	.63	1.30	.212
5/16	3/8	6302 08 60WP2	.63	1.34	.247
3/8	1/2	6302 60 62WP2	.87	1.83	.635

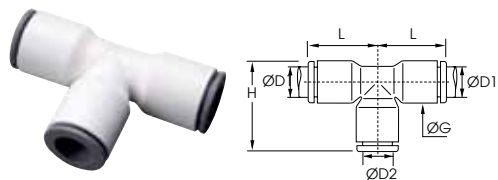
6302 | **union elbow** metric tube to tube

ØD mm	Part Number	G mm	L mm	kg
4	6302 04 00WP2	8.5	19.5	.002
6	6302 06 00WP2	10.5	24	.004
8	6302 08 00WP2	13.5	29.5	.007
10	6302 10 00WP2	16	34.5	.015
12	6302 12 00WP2	19	40.5	.017

ØD1 mm	ØD2 mm	Part Number	G mm	L mm	kg
4	6	6302 04 06WP2	10.5	24	.004
6	8	6302 06 08WP2	13.5	29.5	.007
8	10	6302 08 10WP2	16	34.5	.015
10	12	6302 10 12WP2	19	40.5	.017

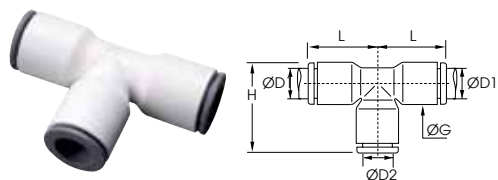


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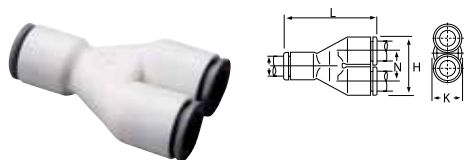
6304 | **union tee** fractional inch tube to tube to tube

ØD in	Part Number	G in	H in	L in	oz
5/32	6304 04 00WP2	.33	.79	.61	.141
1/4	6304 56 00WP2	.43	.94	.71	.070
5/16	6304 08 00WP2	.53	1.14	.89	.317
3/8	6304 60 00WP2	.63	1.34	1.02	.317
1/2	6304 62 00WP2	.87	1.85	1.42	.317

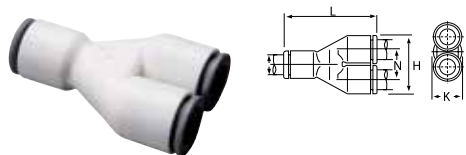
ØD1 in	ØD2 in	Part Number	G in	H in	L in	oz
3/8	1/4	6304 60 56WP2	.63	1.34	1.02	.917
1/2	3/8	6304 62 60WP2	.87	1.85	1.42	.317

6304 | **union tee** metric tube to tube to tube

ØD mm	Part Number	G mm	H mm	L mm	kg
4	6304 04 00WP2	8.5	20	15.5	.004
6	6304 06 00WP2	10.5	23	18	.006
8	6304 08 00WP2	13.5	29	22.5	.009
10	6304 10 00WP2	16	34.5	26.5	.014
12	6304 12 00WP2	19	40	31	.019

6340 | **“Y” union** fractional inch tube to tube to tube

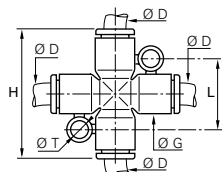
ØD in	Part Number	H in	K in	L in	N in	oz
5/32	6340 04 00WP2	.69	.33	1.18	.35	.141
1/4	6340 56 00WP2	.87	.43	1.42	.45	.106
5/16	6340 08 00WP2	1.10	.53	1.75	.57	.353
3/8	6340 60 00WP2	1.30	.63	2.08	.67	.459
1/2	6340 62 00WP2	1.77	.87	2.64	.91	.988

6340 | **“Y” union** metric tube to tube to tube

ØD mm	Part Number	H mm	K mm	L mm	N mm	kg
4	6340 04 00WP2	17.5	8.5	30	9	.004
6	6340 06 00WP2	21.5	10.5	36.5	11	.007
8	6340 08 00WP2	28	13.5	44.5	14.5	.013
10	6340 10 00WP2	33	16	53	17	.020
12	6340 12 00WP2	39	19	60.5	20	.025

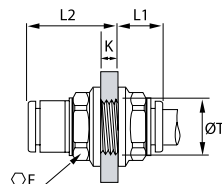


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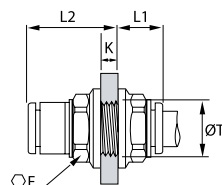
6307 cross union fractional inch/metric tube to tube

ØD	Part Number	H mm	L mm	ØT mm	kg
1/4	6307 56 00WP2	1.81	0.88	4.2	.009
6	6307 06 00WP2	1.81	0.88	4.2	.009
8	6307 08 00WP2	1.88	0.92	4.2	.010



6316 bulkhead union fractional inch tube

ØD in	Part Number	F in	K max in	L1 in	L2 in	ØT min in	oz
5/32	6316 04 00WP2	.51	.22	.41	.61	.41	.018
1/4	6316 56 00WP2	.59	.33	.39	.79	.49	.141
5/16	6316 08 00WP2	.71	.57	.41	1.06	.61	.037
3/8	6316 60 00WP2	.87	.57	.49	1.16	.73	.459
1/2	6316 62 00WP2	1.41	.81	.67	1.59	1.00	1.164

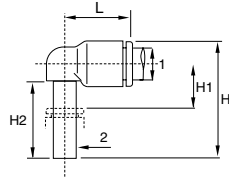


6316 bulkhead union metric tube

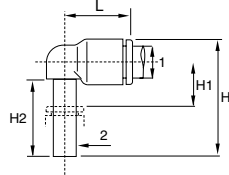
ØD mm	Part Number	F mm	K max mm	L1 mm	L2 mm	ØT min mm	kg
4	6316 04 00WP2	13	5.5	10.5	15.5	10.5	.018
6	6316 06 00WP2	15	8.5	10	20	12.5	.029
8	6316 08 00WP2	18	14.5	10.5	27	15.5	.037
10	6316 10 00WP2	22	14.5	13	30	18.5	.084
12	6316 12 00WP2	26	18.5	15.5	35	22.5	.102



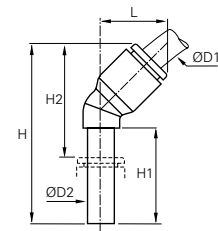
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6382 | **plug-in elbow** fractional inch tube to stem

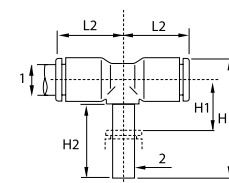
ØD1 in	ØD2 in	Part Number	G in	H in	H1 in	H2 in	L in	oz
1/4	1/4	6382 56 00WP2	.43	1.20	.43	.71	.71	.070
1/4	3/8	6382 56 60WP2	.63	1.53	.35	.96	1.04	.140
5/16	5/16	6382 08 00WP2	.53	1.32	.31	.85	.88	.141
3/8	1/4	6382 60 56WP2	.63	1.26	.43	.71	1.04	.189
3/8	3/8	6382 60 00WP2	.63	1.53	.35	.96	1.04	.070
1/2	1/2	6382 62 00WP2	.87	1.93	.51	1.12	1.42	.388

6382 | **plug-in elbow** metric tube to stem

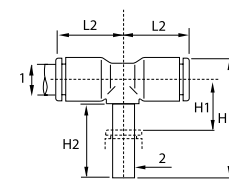
ØD1 mm	ØD2 mm	Part Number	G mm	H mm	H1 mm	H2 mm	L mm	kg
4	4	6382 04 00WP2	8.5	23	6	15.5	15	.003
6	6	6382 06 00WP2	10.5	26.5	7	17	17	.003
8	8	6382 08 00WP2	13.5	33	8	21.5	22.5	.004
10	10	6382 10 00WP2	16	39	9.5	24.5	26.5	.009
12	12	6382 12 00WP2	19	44.5	10	27	31	.012
4	6	6382 04 06WP2	10.5	26.5	7	17	16.5	.003
6	4	6382 06 04WP2	10.5	25	7	15.5	17	.004
8	10	6382 08 10WP2	16	39	9.5	24.5	26	.009
10	12	6382 10 12WP2	19	44.5	10	27	30	.012

6380 | **plug-in 45° elbow** metric tube to stem

ØD1 mm	ØD2 mm	Part Number	H mm	H1 mm	H2 mm	kg
4	4	6380 04 00WP2	33.5	19	13	.003
6	6	6380 06 00WP2	39	21	14.5	.003
8	8	6380 08 00WP2	44	21.5	19.5	.004
10	10	6380 10 00WP2	53	27	23	.009
12	12	6380 12 00WP2	58.5	27.5	26.5	.012

6388 | **plug-in tee** fractional inch tube to tube to stem

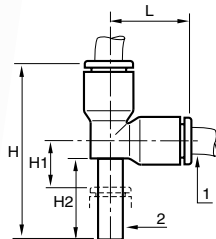
ØD1 in	ØD2 in	Part Number	G in	H in	H1 in	H2 in	L2 in	oz
5/32	5/32	6388 04 00WP2	.33	.98	.24	.61	.59	.180
1/4	1/4	6388 56 00WP2	.43	1.20	.43	.79	.71	.071
5/16	5/16	6388 08 00WP2	.53	1.32	.31	.85	.90	.282
3/8	3/8	6388 60 00WP2	.63	1.65	.49	.98	.98	.282
1/2	1/2	6388 62 00WP2	.87	2.01	.51	1.14	1.26	.705

6388 | **plug-in tee** metric tube to tube to stem

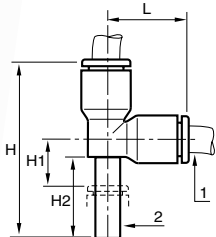
ØD1 mm	ØD2 mm	Part Number	G mm	H mm	H1 mm	H2 mm	L2 mm	kg
4	4	6388 04 00WP2	8.5	25	6	15.5	15	.005
6	6	6388 06 00WP2	10.5	28.5	7	17	16	.006
8	8	6388 08 00WP2	13.5	33.5	8	21.5	23	.008
10	10	6388 10 00WP2	16	41	9.5	24.5	26.5	.012



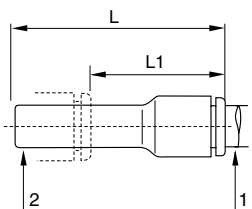
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**6383** | **plug-in run tee** fractional inch tube to tube to stem

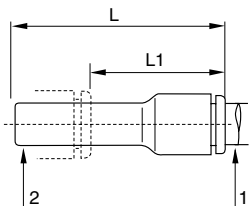
ØD1 in	ØD2 in	Part Number	G in	H in	H1 in	H2 in	L in	oz
5/32	5/32	6383 04 00WP2	.33	1.30	.24	.61	.59	.18
1/4	1/4	6383 56 00WP2	.43	1.20	.43	.71	.71	.19
3/8	3/8	6383 60 00WP2	.63	1.55	.43	.96	1.04	.28
1/2	1/2	6383 62 00WP2	.87	1.93	.71	1.12	1.42	.55

**6383** | **plug-in run tee** metric tube to tube to stem

ØD1 mm	ØD2 mm	Part Number	G mm	H mm	H1 mm	H2 mm	L mm	kg
4	4	6383 04 00WP2	8.5	33	6	15.5	15	.005
6	6	6383 06 00WP2	10.5	38.5	7	17	18	.006
8	8	6383 08 00WP2	13.5	49	8	21.5	23	.008
10	10	6383 10 00WP2	16	57	10.5	25.5	26.5	.012

**6366** | **reducer** fractional inch tube to stem

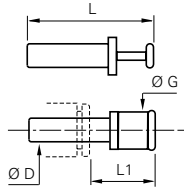
ØD1 in	ØD2 in	Part Number	G in	L in	L1 in	oz
1/4	5/16	6366 56 08WP2	.43	1.61	.89	.035
1/4	3/8	6366 56 60WP2	.43	1.61	.81	.071
5/16	3/8	6366 08 60WP2	.53	1.91	1.14	.141
5/16	1/2	6366 08 62WP2	.63	1.91	.87	.141
3/8	1/2	6366 60 62WP2	.63	2.01	1.18	.141

**6366** | **reducer** metric tube to stem

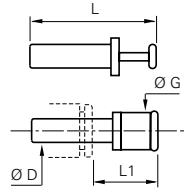
ØD1 in	ØD2 in	Part Number	G in	L in	L1 in	kg
4	6	6366 04 06WP2	8.5	38	23.5	.004
4	8	6366 04 08WP2	8.5	38	19	.004
6	8	6366 06 08WP2	10.5	38	20	.004
6	10	6366 06 10WP2	10.5	39	17.5	.006
8	10	6366 08 10WP2	13.5	48.5	28.5	.009
8	12	6366 08 12WP2	13.5	48.5	24.5	.010
10	12	6366 10 12WP2	16	52	33.5	.019
10	14	6366 10 14WP2	16	53	33.5	.020
12	14	6366 12 14WP2	19	55.5	33.5	.023



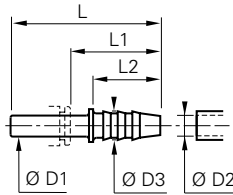
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**6326** | **plug** fractional inch plug to tube

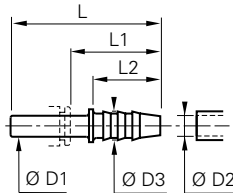
ØD in	Part Number	L in	L1 in	oz
5/32	6326 04 00WP2	1.18	.61	.04
1/4	6326 56 00WP2	1.44	.87	.11
5/16	6326 08 00WP2	1.38	.69	.07
3/8	6326 60 00WP2	1.67	.87	.12
1/2	6326 62 00WP2	1.91	.85	.24

**6326** | **plug** metric plug to tube

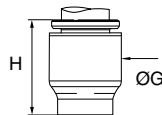
ØD mm	Part Number	L mm	L1 mm	kg
4	6326 04 00WP2	30	15.5	.001
6	6326 06 00WP2	33	16.5	.001
8	6326 08 00WP2	33	17.5	.002
10	6326 10 00WP2	42	21.0	.003
12	6326 12 00WP2	45	22.0	.004

**6322** | **stem hose barb** fractional inch tube to stem

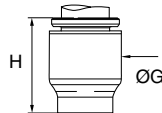
ØD1 in	ØD2 in	ØD3 in	Part Number	L in	L1 in	L2 in	kg
1/4	.28	.32	6322 56 56WP2	1.65	1	.67	.11
3/8	.33	.38	6322 60 56WP2	1.97	1.16	.87	.11
3/8	.28	.32	6322 60 08WP2	1.97	1.16	.97	.12
3/8	.40	.45	6322 60 60WP2	1.95	1.16	.87	.12
1/2	.40	.45	6322 62 60WP2	2.05	1.2	1.07	.12

**6322** | **stem hose barb** metric tube to stem

ØD1 mm	ØD2 mm	ØD3 mm	Part Number	L mm	L1 mm	L2 mm	kg
6	4	7	6322 06 04WP2	39	25	17	.004
8	6	8.5	6322 08 06WP2	43	25	17	.005
10	7	8	6322 10 07WP2	50	29.5	22	.006

**6351** | **end stop** fractional inch tube

ØD in	Part Number	G in	H in	oz
5/32	6351 04 00WP2	.33	.59	.035
1/4	6351 56 00WP2	.43	.63	.035
5/16	6351 08 00WP2	.53	.85	.105
3/8	6351 60 00WP2	.63	.88	.106

**6351** | **end stop** metric tube

ØD mm	Part Number	G mm	H mm	kg
4	6351 04 00WP2	8.5	15	.001
6	6351 06 00WP2	10.5	17	.002
8	6351 08 00WP2	13.5	21.5	.003
10	6351 10 00WP2	16	22	.003
12	6351 12 00WP2	19	27.5	.006



WARNING: These products can expose you to chemicals including NICKEL, CARBON BLACK, TITANIUM DIOXIDE, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



LIQUIfit Ball Valves

This range of valves offers an innovative solution in the treatment of water and the handling of beverages. LIQUIfit's corrosion-resistant, all plastic design make them ideal for water filtration units, coffee and beverage machines and a wide variety of other fluid applications.

Product Features:

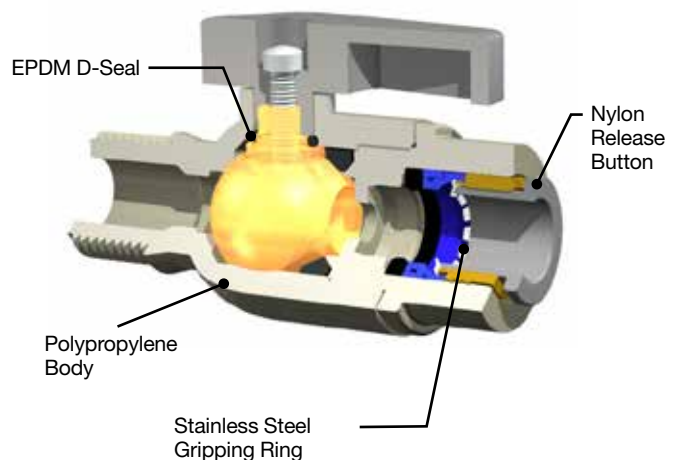
- Stainless steel gripping ring
- Polypropylene body
- EPDM D-seal
- Full flow self cleaning ball maintains the cleanliness of the circuit
- Gripping ring technology prevents pumping effect
- FDA, NSF 51, NSF 61
- 100% leak tested in production
- Date coded for lot traceability

Markets:

- Water Filtration
- Beverage Dispensing
- Life Science
- Bottling
- Semi-Conductor

Applications:

- Water
- Beverages
- Food
- CO₂



Specifications:

Pressure Range Up to 230 PSI (16 bar)

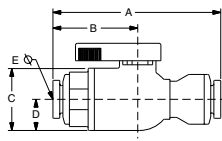
Temperature Range +35° to +200° F (+1.7° to +93.3° C)

Note: Maximum working pressure and temperature are dependent on the type of tubing used

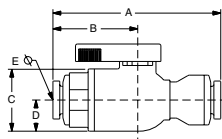
Compatible Tubing:

- Polyethylene

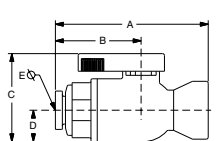


VUC | **valve union connector** fractional inch tube to tube

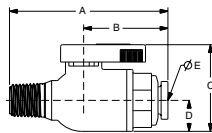
ØD1 in	ØD2 in	Part Number	A in	B in	C in	D in	ØE in	oz
1/4	1/4	LFPP4VUC4	2.55	1.22	1.0	.5	.19	1.12
1/4	3/8	LFPP4VUC6	2.57	1.30	1.0	.5	.19	1.18
3/8	3/8	LFPP6VUC6	2.67	1.32	1.4	.5	.25	1.24

VUC | **valve union connector** metric tube to tube

ØD1 mm	ØD2 mm	Part Number	A mm	B mm	C mm	D mm	ØE mm	kg
6	6	LFPP6MVUC6M	.57	.27	.36	.13	.19	.019
8	8	LFPP8MVUC8M	.60	.27	.36	.13	.25	.020
10	10	LFPP10MVUC10M	.70	.33	.36	.13	.33	.023
12	12	LFPP12MVUC12M	.88	.43	.36	.13	.37	.034

VFC | **valve female connector** fractional inch tube to NPTF

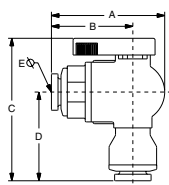
ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in	oz
1/4	1/8	LFPP4VFC2	2.55	1.22	1.0	.5	.19	1.07
1/4	1/4	LFPP4VFC4	2.57	1.30	1.0	.5	.19	1.09
1/4	3/8	LFPP4VFC6	2.67	1.32	1.4	.5	.25	1.08
3/8	1/8	LFPP6VFC2	2.55	1.22	1.0	.5	.19	1.12
3/8	1/4	LFPP6VFC4	2.57	1.30	1.0	.5	.19	1.14
3/8	3/8	LFPP6VFC6	2.67	1.32	1.4	.5	.25	1.14

VMC | **valve male connector** fractional inch tube to NPTF

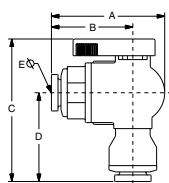
ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in	oz
1/4	1/8	LFPP4VMC2	2.22	1.21	1.4	.5	.19	1.09
1/4	1/4	LFPP4VMC4	2.40	1.21	1.4	.5	.19	1.08
1/4	3/8	LFPP4VMC6	2.40	1.21	1.4	.5	.19	1.07
1/4	1/2	LFPP4VMC8	2.59	1.21	1.4	.5	.19	1.08
3/8	1/8	LFPP6VMC2	2.33	1.32	1.4	.5	.25	1.14
3/8	1/4	LFPP6VMC4	2.51	1.32	1.4	.5	.25	1.14
3/8	3/8	LFPP6VMC6	2.51	1.32	1.4	.5	.25	1.14
3/8	1/2	LFPP6VMC8	2.70	1.32	1.4	.5	.25	1.14



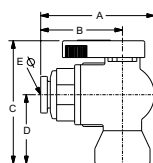
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VEU | **valve elbow union** fractional inch tube to tube

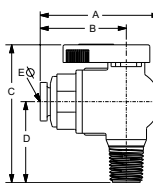
ØD1 in	ØD2 in	Part Number	A in	B in	C in	D in	ØE in	oz
1/4	1/4	LFPP4VEU4	1.75	1.22	2.33	1.42	.19	1.17
1/4	3/8	LFPP4VEU6	1.75	1.22	2.33	1.42	.11	1.21
3/8	1/4	LFPP6VEU4	1.83	1.30	2.32	1.40	.19	1.21
3/8	3/8	LFPP6VEU6	1.85	1.32	2.34	1.44	.25	1.24

VEU | **valve elbow union** metric tube to tube

ØD1 mm	ØD2 mm	Part Number	A mm	B mm	C mm	D mm	ØE mm	kg
6	6	LFPP6MVEU6M	.41	.27	.55	.31	.19	.033
8	8	LFPP8MVEU8M	.41	.28	.56	.33	.25	.034
10	10	LFPP10MVEU10M	.48	.33	.61	.38	.33	.034

VFE | **valve female elbow** fractional inch tube to NPTF

ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in	oz
1/4	1/8	LFPP4VFE2	1.74	1.21	1.82	.92	.19	1.08
1/4	1/4	LFPP4VFE4	1.74	1.21	2.05	1.15	.19	1.09
1/4	3/8	LFPP4VFE6	1.74	1.21	2.18	1.28	.19	1.07
3/8	1/8	LFPP6VFE2	1.85	1.32	1.82	.92	.25	1.14
3/8	1/4	LFPP6VFE4	1.85	1.32	2.05	1.15	.25	1.14
3/8	3/8	LFPP6VFE6	1.85	1.32	2.18	1.28	.25	1.24

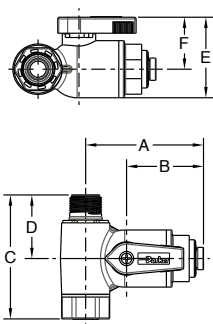
VME | **valve male elbow** fractional inch tube to NPTF

ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in	oz
1/4	1/8	LFPP4VME2	1.74	1.21	2.00	1.10	.19	1.09
1/4	1/4	LFPP4VME4	1.74	1.21	2.18	1.28	.19	1.09
1/4	3/8	LFPP4VME6	1.74	1.21	2.18	1.28	.19	1.08
1/4	1/2	LFPP4VME8	1.74	1.21	2.37	1.47	.19	1.08
3/8	1/8	LFPP6VME2	1.85	1.32	2.00	1.10	.25	1.14
3/8	1/4	LFPP6VME4	1.85	1.32	2.18	1.28	.25	1.14
3/8	3/8	LFPP6VME6	1.85	1.32	2.18	1.28	.25	1.14
3/8	1/2	LFPP6VME8	1.85	1.32	2.37	1.47	.25	1.24



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VAS | **angled stop valve** fractional inch tube to tube



ØD1 in	Male Thread	Female Thread	Part Number	A in	B in	C in	D in	E in	F in	
1/4	3/8	3/8	LFPP4VAS6	1.79	1.07	2.17	1.11	1.41	.91	1.12
1/4	3/8	1/2	LFPP4VAS8	1.79	1.07	2.40	1.11	1.41	.91	1.16
3/8	3/8	3/8	LFPP6VAS6	2.02	1.31	2.17	1.11	1.41	.91	1.18
3/8	3/8	1/2	LFPP6VAS8	2.02	1.31	2.40	1.11	1.41	.91	1.21

1. Shut off water supply at brass/chrome supply valve.

Disconnect riser from brass/chrome supply valve.

Ensure that the sealing gasket is fully seated into the Angle Stop Valve female thread.



2. Install Angle Stop Adapter Valve on supply valve.

Connect the riser to the Angle Stop Adapter Valve.

Tighten valve and riser 1/2 turn past finger tight



3. Fully insert tubing into the side of the valve.

Open valves and check for leaks.



Do not use thread sealant. Do not over tighten.



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TrueSeal Fittings



Parker's TrueSeal fittings are lightweight, field attachable and connect to tubing without the use of tools. These all plastic push-to-connect fittings are manufactured from FDA compliant materials.

Product Features:

- Available in Acetal, Polypropylene and Kynar materials
- Acetal and Polypropylene (EPDM seals)
- Kynar (Fluorocarbon (FKM) seals)
- Gripping ring with stainless steel bite edge or with an engineered thermoplastic bite edge
- FDA compliant, NSF/ANSI 51
- Gray acetal NSF/ANSI 61

Markets:

- Food
- Potable Water
- Chemical
- Filtration

Applications:

- Air
- Water
- Soft Drinks
- Beer
- Wine
- Dyes

Specifications:

Pressure Range

Acetal and Kynar: 1/4", 5/16", 3/8" Vacuum to 300 PSI (20.7 bar)
1/2" Vacuum to 250 PSI (17.2 bar)

Polypropylene: 1/4", 3/8", 1/2" Vacuum to 150 PSI (10.3 bar)

*Vacuum rating to 28 inches of Hg at room temperature

Temperature Range

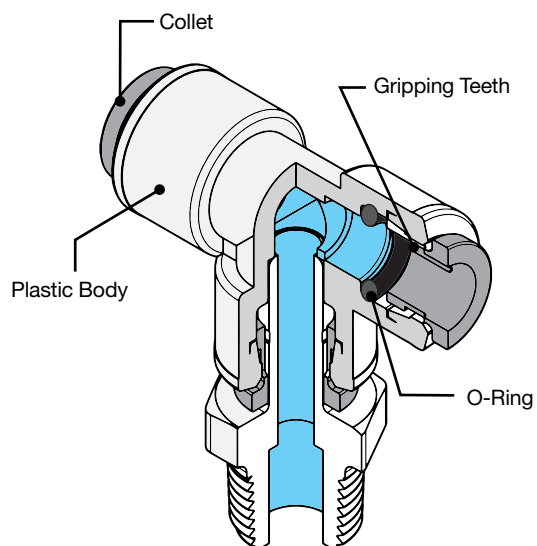
Acetal: -20° to +180° F (-28.9 to +82.2 C)

Polypropylene: 0° to +225° F (-17.8 to +107.2 C)

Kynar: 0° to +275° F (-17.8 to +135 C)

Compatible Tubing:

- Polyethylene
- Polypropylene
- Nylon
- Vinyl
- Fluoropolymer
- Polyurethane
- *Kynar®



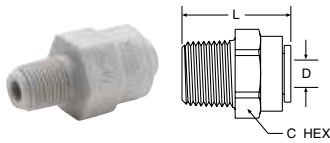
Assembly Instructions

1. Cut tubing square and clean. (Use a Parker plastic tube cutter, Part No. PTC.)
2. Mark from end of tube length of insertion (see table right).
3. Push tube into the fitting until it bottoms out.
4. To remove, depress collet and pull tubing out.

TUBE SIZE	O.D. TOLERANCE	INSERTION DEPTH
5/32	±.005	9/16
1/4	±.005	11/16
5/16	±.005	13/16
3/8	±.005	3/4
1/2	±.005	7/8

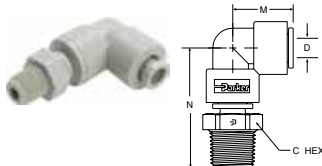
* Registered trademark of The Arkema Group.

threaded fittings**MC**
NPTF
p. 20**MES**
NPTF
p. 20**MRS**
NPTF
p. 20**MTS**
NPTF
p. B21**TMC**
NPTF
p. B21**ME**
NPTF
p. B21**FA**
UNS
p. B22**FC**
NPTF
p. B22**FE**
NPTF
p. B22**ST**
UNS
p. B22**FF**
UNS
p. B22**tube to tube fittings****EU**
NPTF
p. B23**TU**
p. B23**WY**
p. B23**UC**
p. B23**CU**
p. B24**BU**
p. B24**TEU**
p. B24**RD**
p. B24**auxiliary components****CAP**
p. B25**TCB**
p. B25**TEB**
p. B25**TPL**
p. B25**TFA**
p. B25**TAF**
p. B25**check valves****VC**
p. B26**MCVC**
p. B26**ball valves****VME**
p. B27**VFE**
p. B27**VUC**
p. B27**VFC**
p. B27**VEU**
p. B27**VMC**
p. B28**VTEU**
p. B28**SC**
p. B28**TS**
p. B28**AQRT**
p. B28

MC | **male connector** fractional inch tube to NPTF

ØD in	C NPTF	Part Number				F in	L in	D in
			Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal		
1/4	1/8	A4MC2-MG		PPB4MC2-MG	PP4MC2	F4MC2	11/16	1.28 .175
1/4	1/4	A4MC4-MG		PPB4MC4-MG	PP4MC4	F4MC4	11/16	1.14 .175
1/4	3/8	A4MC6-MG		PPB4MC6-MG	PP4MC6	F4MC6	11/16	1.18 .175
5/16	1/8	A5MC2-MG				F5MC2	13/16	1.46 .175
5/16	1/4	A5MC4-MG				F5MC4	13/16	1.41 .188
5/16	3/8	A5MC6-MG					13/16	1.27 .188
3/8	1/8	A6MC2-MG				F6MC2	13/16	1.46 .175
3/8	1/4	A6MC4-MG		PPB6MC4-MG	PP6MC4	F6MC4	13/16	1.41 .250
3/8	3/8	A6MC6-MG		PPB6MC6-MG	PP6MC6	F6MC6	13/16	1.27 .250
3/8	1/2	A6MC8-MG				F6MC8	15/16	1.45 .250
1/2	3/8	A8MC6-MG		PPB8MC6-MG	PP8MC8	F8MC6	15/16	1.65 .360
1/2	1/2	A8MC8-MG		PPB8MC8-MG	PP8MC8	F8MC8	15/16	1.46 .375

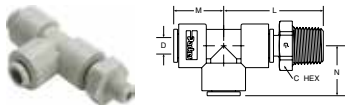
For nonstandard plastic collet, remove -MG suffix.

MES | **male elbow swivel** fractional inch tube to NPTF

ØD in	C NPTF	Part Number					C in	M in	N in	D in
			Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal				
1/4	1/8	A4MES2-MG		PPB4MES2-MG	PP4MES2	F4MES2	9/16	0.87	1.60	.175
1/4	1/4	A4MES4-MG		PPB4MES4-MG	PP4MES4	F4MES4	11/16	0.87	1.71	.175
1/4	3/8	A4MES6-MG			PP4MES6	F4MES6	13/16	0.90	1.91	.212
5/16	1/8	A5MES2-MG					9/16	1.02	1.78	.188
5/16	1/4	A5MES4-MG					11/16	1.02	1.90	.188
5/16	3/8	A5MES6-MG					13/16	1.02	1.90	.188
3/8	1/8	A6MES2-MG				F6MES2	9/16	1.02	1.65	.175
3/8	1/4	A6MES4-MG		PPB6MES4-MG	PP6MES4	F6MES4	11/16	1.02	1.90	.250
3/8	3/8	A6MES6-MG		PPB6MES6-MG	PP6MES6	F6MES6	13/16	1.02	1.90	.250
1/2	1/4	A8MES4-MG					9/16	1.20	2.10	.240
1/2	3/8	A8MES6-MG			PP8MES6		11/16	1.20	2.10	.375
1/2	1/2	A8MES8-MG			PP8MES8		13/16	1.20	2.32	.375

* Part consists of elbow union and tube stem adaptor.

Note: Assemblies with metal gripper collets are permanent.
Assemblies with plastic collets can be taken apart.

MRS | **male run tee swivel** fractional inch tube to NPTF

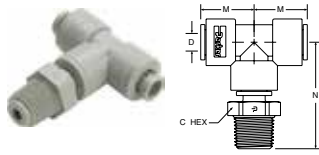
ØD in	C NPTF	Part Number					C in	L in	M in	N in	D in
			Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal					
1/4	1/8	A4MRS2-MG		PPB4MRS2	PP4MRS2	F4MRS2	9/16	1.55	0.81	0.85	.175
1/4	1/4	A4MRS4-MG		PPB4MRS4-MG	PP4MRS4	F4MRS4	11/16	1.67	0.81	0.85	.175
5/16	1/8	A5MRS2-MG					9/16	1.78	1.02	1.02	.188
5/16	1/4	A5MRS4-MG					11/16	1.90	1.02	1.02	.188
5/16	3/8	A5MRS6-MG					13/16	1.90	1.02	1.02	.188
3/8	1/4	A6MRS4-MG		PPB6MRS4-MG	PP6MRS4	F6MRS4	13/16	1.90	1.02	1.02	.250
3/8	3/8	A6MRS6-MG		PPB6MRS6-MG	PP6MRS6	F6MRS6	13/16	1.90	1.02	1.02	.250
1/2	1/4	A8MRS4-MG					13/16	2.10	1.20	1.20	.250
1/2	3/8	A8MRS6-MG			PP8MRS6		13/16	2.10	1.20	1.20	.375
1/2	1/2	A8MRS8-MG			PP8MRS8		1	2.32	1.20	1.20	.375

* Part consists of elbow union and tube stem adaptor.

Note: Assemblies with metal gripper collets are permanent.
Assemblies with plastic collets can be taken apart.



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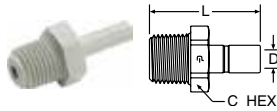
MTS | **male elbow swivel** fractional inch tube to NPTF

ØD in	C NPTF	Part Number				C in	M in	N in	D in
		Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal				
1/4	1/8	A4MTS2-MG	PPB4MTS2	PP4MTS2	F4MTS2	9/16	0.81	1.60	.175
1/4	1/4	A4MTS4-MG	PPB4MTS4-MG	PP4MTS4	F4MTS4	11/16	0.81	1.71	.175
5/16	1/8	A5MTS2-MG				9/16	1.02	1.78	.188
5/16	1/4	A5MTS4-MG				11/16	1.02	1.90	.188
5/16	3/8	A5MTS6-MG				13/16	1.02	1.90	.188
3/8	1/8	A6MTS2-MG			F6MTS2	9/16	1.02	1.65	.175
3/8	1/4	A6MTS4-MG	PPB6MTS4-MG	PP6MTS4	F6MTS4	13/16	1.02	1.90	.250
3/8	3/8	A6MTS6-MG	PPB6MTS6-MG	PP6MTS6	F6MTS6	13/16	1.02	1.90	.250
1/2	1/4	A8MTS4-MG				13/16	1.20	2.10	.240
1/2	3/8	A8MTS6-MG		PP8MTS6		13/16	1.20	2.10	.375
1/2	1/2	A8MTS8-MG		PP8MTS8		1	1.20	2.32	.375

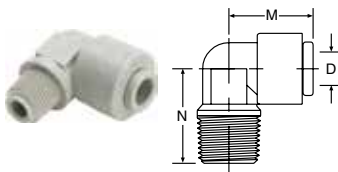
* Part consists of elbow union and tube stem adaptor.

Note: Assemblies with metal gripper collets are permanent.

Assemblies with plastic collets can be taken apart.

TMC | **tube stem adapter** fractional inch tube to tube stem

ØD in	C NPTF	Part Number				F in	L in	D in
		Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal			
1/4	1/8	A4TMC2	PPB4TMC2	PP4TMC2	F4TMC2	9/16	1.44	.175
1/4	1/4	A4TMC4	PPB4TMC4	PP4TMC4	F4TMC4	11/16	1.56	.175
5/16	1/8	A5TMC2				9/16	1.50	.188
5/16	1/4	A5TMC4			F5TMC4	11/16	1.67	.188
5/16	3/8	A5TMC6				13/16	1.67	.188
3/8	1/4	A6TMC4	PPB6TMC4	PP6TMC4	F6TMC4	13/16	1.70	.250
3/8	3/8	A6TMC6	PPB6TMC6	PP6TMC6	F6TMC6	13/16	1.70	.250
1/2	1/4	A8TMC4				13/16	1.82	.240
1/2	3/8	A8TMC6		PP8TMC6		13/16	1.82	.375
1/2	1/2	A8TMC8		PP8TMC8		1	2.04	.375

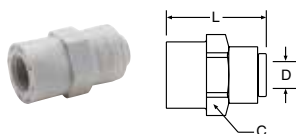
ME | **male elbow** fractional inch tube to NPTF

ØD in	C NPTF	Part Number				M in	N in	D in
		Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal			
1/4	1/8	A4ME2-MG	PPB4ME2-MG	PP4ME2	F4ME2	.84	.94	.175
1/4	1/4	A4ME4-MG	PPB4ME2-MG	PP4ME4	F4ME4	.84	.94	.175
1/4	3/8	A4ME6-MG	PPB4ME2-MG	PP4ME6	F4ME6	.84	1.04	.175
5/16	1/4	A5ME4-MG			F5ME4	1.03	1.08	.175
5/16	3/8	A5ME6-MG				1.03	1.06	.188
3/8	1/4	A6ME4-MG		PP6ME4	F6ME4	1.03	1.08	.250
3/8	3/8	A6ME6-MG	PPB4ME2-MG	PP6ME6	F6ME6	1.03	1.06	.250

For nonstandard plastic collet, remove -MG suffix.

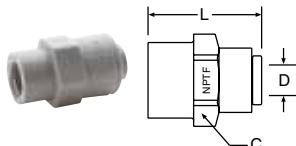


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FA | **faucet adapter** fractional inch tube to UNS

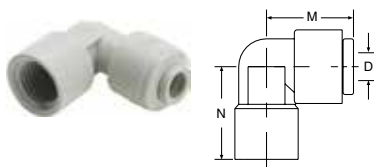
ØD in	C UNS	Part Number				L in
		Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	
1/4	7/16	A4FA7-MG	PP4FA7	PP4FA7	F4FA7	1.32
5/16	7/16	A5FA7-MG				1.41
3/8	1/4	A6FA7-MG	PP6FA7	PP6FA7	F6FA7	1.41

For nonstandard plastic collet, remove -MG suffix.

FC | **female connector** fractional inch tube to NPTF

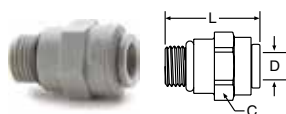
ØD in	C NPTF	Part Number				L in
		Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	
1/4	1/8	A4FC2-MG	PPB4FC2-MG	PP4FC2	F4FC2	.175
1/4	1/4	A4FC4-MG	PPB4FC4-MG	PP4FC4	F4FC4	.175
5/16	1/4	A5FC4-MG			F5FC4	.188
5/16	3/8	A5FC6-MG				.188
3/8	1/4	A6FC4-MG	PPB6FC4-MG	PP6FC4	F6FC4	.250
3/8	3/8	A6FC6-MG	PPB6FC6-MG	PP6FC6	F6FC6	.250
3/8	1/2	A6FC8-MG				.250
1/2	3/8	A8FC6-MG		PP8FC6	F8FC6	.375
1/2	1/2	A8FC8-MG		PP8FC8	F8FC8	.375

For nonstandard plastic collet, remove -MG suffix.

FE | **female elbow** fractional inch tube to NPTF

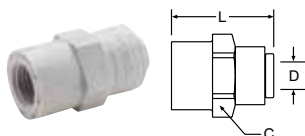
ØD1 in	C NPTF	Part Number				M in	N in	D in
		Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal			
1/4	1/4	A4EU4-MG				0.84	1.00	.18
3/8	1/4	A8EU6-MG				1.03	1.00	.25
3/8	3/8	A8EU8-MG				1.03	1.00	.25

For nonstandard plastic collet, remove -MG suffix.

ST | **straight thread** fractional inch tube to UNF

ØD in	C UNF	Part Number				L in	D in
		Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal		
3/8	9/16	A6ST9-MG			F6ST9 (+)	1.39	.250

For nonstandard plastic collet, remove -MG suffix.

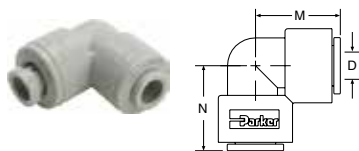
FF | **45° female flare** fractional inch tube to UNF

ØD1 in	C UNF	Part Number				F in	L in
		Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal		
1/4	7/16	A4FF4-MG		PP4FF4	F4FF4	23/32	1.32
3/8	7/16	A6FF4-MG			F6FF4	13/16	1.41
3/8	5/8	A6FF6-MG		PP6FF6	F6FF6	1	1.50

For nonstandard plastic collet, remove -MG suffix.

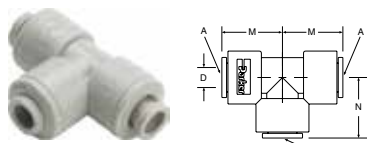


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EU | **elbow union** fractional inch tube to tube NPTF

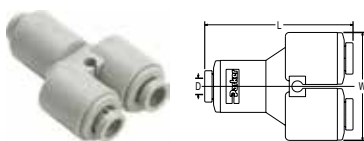
ØD in	C NPTF	Part Number	Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	M in	N in	D in
1/4	1/4	A4EU4-MG		PPB4EU4-MG	PP4EU4	F4EU4	0.87	0.87	.175
5/16	1/4	A5EU4-MG					1.05	0.90	.175
5/16	5/16	A5EU5-MG				F5EU5	1.02	1.02	.188
3/8	1/4	A6EU4-MG			PP6EU4	F6EU4	1.02	0.90	.212
3/8	5/16	A6EU5-MG					1.02	1.02	.175
3/8	3/8	A6EU6-MG		PPB6EU6-MG	PP6EU6	F6EU6	1.02	1.02	.250
1/2	3/8	A8EU6-MG		PPB8EU6-MG			1.20	1.20	.250
1/2	1/2	A8EU8-MG		PPB8EU8-MG	PP8EU8	F8EU8	1.20	1.20	.375

For nonstandard plastic collet, remove -MG suffix.

TU | **tee union** fractional inch tube to tube

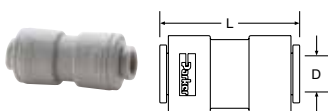
ØD1 in	ØD2 in	Part Number	Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	M in	N in	D in
1/4	1/4	A4TU4-MG		PPB4TU4-MG	PP4TU4	F4TU4	0.81	0.85	.175
5/16	5/16	A5TU5-MG			F5TU5		1.02	1.02	.188
3/8	1/4	A6TU4-MG		PPB6TU4-MG	PP6TU4	F6TU4	1.02	1.03	.175
3/8	3/8	A6TU6-MG		PPB6TU6-MG	PP6TU6	F6TU6	1.02	1.02	.290
1/2	1/2	A8TU8-MG		PPB8TU8-MG	PP8TU8	F8TU8	1.20	1.20	.375

For nonstandard plastic collet, remove -MG suffix.

WY | **“Y” union** fractional inch tube to tube

ØD1 in	ØD2 in	Part Number	Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	L in	W in	D in
5/16	5/16	A5ME5-MG					2.25	1.75	.190
3/8	1/4	A5ME4-MG					2.10	1.43	.190
3/8	5/16	A6ME5-MG					2.20	1.75	.190
3/8	3/8	A6ME6-MG					2.18	1.75	.250

For nonstandard plastic collet, remove -MG suffix.

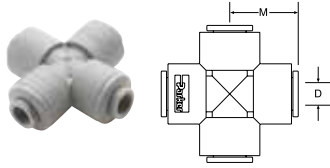
UC | **union connector** fractional inch tube to tube

ØD1 in	ØD2 in	Part Number	Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	L in	D in
1/4	1/4	A4UC4-MG		PPB4UC4-MG	PP4UC4	F4UC4	1.49	.175
5/16	1/4	A5UC4-MG					1.70	.175
5/16	5/16	A5UC5-MG				F5UC5	1.70	.188
3/8	1/4	A6UC4-MG		PPB6UC4-MG	PP6UC4	F6UC4	1.70	.175
3/8	5/16	A6UC5-MG					1.70	.188
3/8	3/8	A6UC6-MG		PPB6UC6-MG	PP6UC6	F6UC6	1.70	.250
1/2	5/16	A8UC5-MG					1.90	.188
1/2	3/8	A8UC6-MG		PPB8UC6-MG	PP8UC6		1.90	.250
1/2	1/2	A8UC8-MG		PPB8UC8-MG	PP8UC8	F8UC8	1.91	.375

For nonstandard plastic collet, remove -MG suffix.

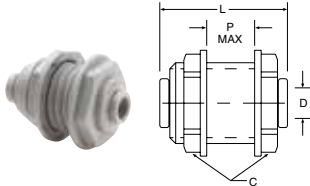


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CU | **cross union** fractional inch tube to tube

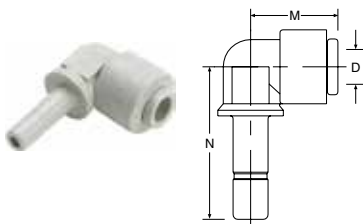
ØD in	Part Number	Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	M in	D in
1/4	A4FC4-MG					0.91	.175
3/8	A6FC6-MG					1.08	.250

For nonstandard plastic collet, remove -MG suffix.

BU | **bulkhead union** fractional inch tube to tube

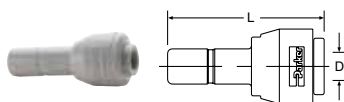
ØD1 in	ØD2 in	Part Number	Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	L in	P in	D in
1/4	1/4	A4BU4-MG		PPB4BU4-MG	PP4BU4	F4BU4	1.50	.50	.175
5/16	5/16	A5BU5-MG				F5BU5	1.75	.62	.188
3/8	1/4	A6BU4-MG		PPB6BU4-MG	PP6BU4		1.75	.62	.175
3/8	3/8	A6BU6-MG		PPB6BU6-MG	PP6BU6	F6BU6	1.75	.62	.250
1/2	1/2	A8BU8-MG				F8BU8	2.04	.70	.375

For nonstandard plastic collet, remove -MG suffix.

TEU | **tube elbow union** fractional inch tube to tube stem

ØD in	Stem ØD in	Part Number	Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	F in	L in	D in
1/4	1/4	A4TEU4-MG		PPB4TEU4-MG	PP4TEU4	F4TEU4	0.84	1.21	.125
1/4	3/8	A4TEU6-MG				F4TEU6	0.84	1.35	.125
5/16	5/16	A5TEU5-MG				F5TEU5	1.03	1.40	.188
3/8	1/4	A6TEU4-MG				F6TEU4	1.03	1.29	.125
3/8	3/8	A6TEU6-MG		PPB6TEU6	PP6TEU6	F6TEU6	1.03	1.64	.250
1/2	1/2	A6TEU8-MG		PPB8TEU8-MG	PP8TEU8	F8TEU8	1.21	1.64	.380

For nonstandard plastic collet, remove -MG suffix.

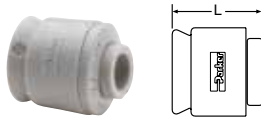
RD | **tube reducer** fractional inch tube to tube stem

ØD in	Stem ØD in	Part Number	Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	L in	D in
1/4	5/16	A4RD4-MG			PP4RD5		1.62	.18
1/4	3/8	A4RD6-MG		PPB4RD6-MG	PP4RD6		1.62	.18
5/16	3/8	A5RD5-MG					1.78	.25
5/16	1/2	A6RD4-MG					1.90	.25
3/8	1/2	A6RD6-MG					1.90	.25

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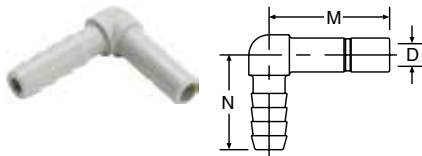
CAP | **tube cap** fractional inch tube

ØD in	Part Number				L in
	Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	
1/4 7/16	A4CAP-MG		PP4CAP	F4CAP	0.77
3/8 1/4	A6CAP-MG		PP6CAP		0.88

For nonstandard plastic collet, remove -MG suffix.

TCB | **tube to barb connector** fractional inch tube stem to barb

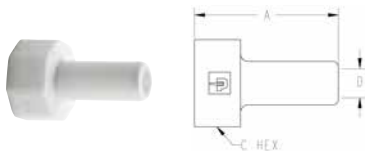
Stem ØD in	ID in	Part Number				L in	D in
		Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal		
1/4	1/4	A4TCB4		PP4TCB4	F4TCB4	1.67	.140
3/8	1/4	A6TCB4			F6TCB4	1.82	.140
3/8	3/8	A6TCB6	PPB6TCB6	PP6TCB6	F6TCB6	1.98	.250
1/2	3/8	A8TCB6				2.10	.250
1/2	1/2	A8TCB8			F8TCB8	2.10	.375

TEB | **tube elbow barb connector** fractional inch tube stem to barb

Stem ØD in	ID in	Part Number				M in	N in	D in
		Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal			
1/4	1/4	A4TEB4		PP4TEB4	F4TEB4	0.89	1.00	.140
3/8	1/4	A6TEB6			F6TEB4	1.34	1.06	.375
3/8	3/8	A6TEB5		PP6TEB6	F6TEB6	1.34	1.21	.250
1/2	1/2	A8TEB6			F8TEB8	1.30	1.30	.390

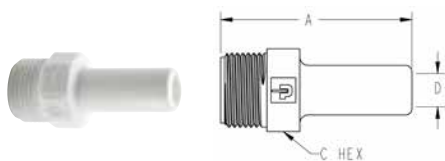
TPL | **plug** fractional inch tube stem

Stem ØD in	Part Number				L in
	Gray Acetal EPDM Seal	Black PPL EPDM Seal	White PPL EPDM Seal	Natural Kynar FKM Seal	
1/4	A4TPL	PPB4TPL	PP4TPL	F4TPL	0.88
3/8	A6TPL	PPB6TPL-MG	PP6TPL	F6TPL	1.45
1/2	A8TPL	PPB8TPL	PP8TPL		1.50

TFA | **tube faucet adapter** fractional inch tube stem to NPTF

ØD in	Stem ØD in	Part Number	F in	A in	D in
White Acetal					
3/8	7/16-24	AW6TFA7-MG	.69	1.25	.17
3/8	1/2-14 NPSM	AW6TFA8-MG	1.06	1.45	.22
3/8	9/16-24	AW6TFA9-MG	.75	1.25	.22

For nonstandard plastic collet, remove -MG suffix.

TAF | **tube faucet adapter** fractional inch tube stem to NPTF

ØD in	Stem ØD in	Part Number	F in	A in	D in
White Acetal					
3/8	7/16-24	AW6TAF7-MG	.50	1.41	.22
3/8	1/2-14 NPSM	AW6TAF8-MG	.88	1.65	.22
3/8	9/16-24	AW6TAF9-MG	.63	1.45	.22

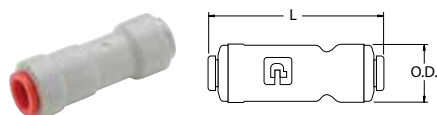
For nonstandard plastic collet, remove -MG suffix.



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TrueSeal Check Valves

Push-to-Connect check valves that ensures protection against reversal of flow. The valves have an arrow molded into the body to indicate the direction of flow. Valves are designed for connection with either thermoplastic or soft metal tubing and are intended for use with liquids only.



VC | check valve fractional inch tube

ØD in	Part Number	L in	N in
White Acetal			
1/4	A4VC4-MG	2.00	.66
5/16	A5VC5-MG	2.10	.70
3/8	A6VC6-MG	2.15	.80
1/2	A8VC8-MG	2.68	.91

Materials of Construction

Body	Acetal
O-ring	EPDM
Metal Grip Edge	300 Stainless
Working Pressure	Up to 150 PSI (10.3 bar) depending on tubing being used
Temperature Range	+34° to +150° F (+1° to +65° C)
Cracking Pressure	1/3 PSI (0.02 bar)



MCVC | Kynar® check valve fractional inch tube

ØD in	ØD NPTF	Part Number	C in	L in	Cracking Pressure PSI
Black Kynar					
3/8	1/4	FB6MCVC4-HBLK-05	13/16	1.40	0.5
3/8	1/4	FB6MCVC4-HBLU-15	13/16	1.40	1.5
3/8	1/4	FB6MCVC4-HRED-30	13/16	1.40	3.0
3/8	1/4	FB6MCVC4-HGRN-40	13/16	1.40	4.0

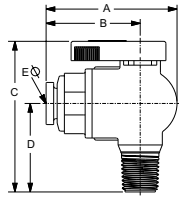
PVDF Check Valves

Materials of Construction

Body	Kynar®
O-ring	Fluorocarbon
Metal Grip Edge	Stainless Steel
Working Pressure	Up to 300 PSI (20.7 bar)
Temperature Range	0° to +250° F (-17.8° to +121° C)

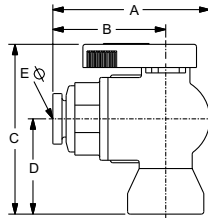


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**VME** | **valve male elbow** fractional inch to NPTF

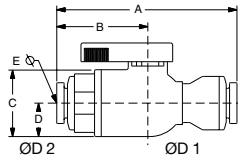
ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in
1/4	1/8	PP4VME2-MG (+)	1.74	1.21	2.00	1.10	.19
1/4	1/4	PP4VME4-MG	1.74	1.21	2.18	1.28	.19
1/4	3/8	PP4VME6-MG	1.74	1.21	2.18	1.28	.19
1/4	1/2	PP4VME8-MG (+)	1.74	1.21	2.37	1.47	.19
3/8	1/8	PP6VME2-MG (+)	1.85	1.32	2.00	1.10	.25
3/8	1/4	PP6VME4-MG	1.85	1.32	2.18	1.28	.25
3/8	3/8	PP6VME6-MG	1.85	1.32	2.18	1.28	.25
3/8	1/2	PP6VME8-MG	1.85	1.32	2.37	1.47	.25

(+) For nonstandard plastic collet, remove -MG suffix.

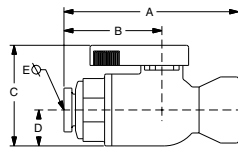
**VFE** | **valve female elbow** fractional inch to NPTF

ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in
1/4	1/8	PP4VFE2-MG (+)	1.74	1.21	1.82	.92	.19
1/4	1/4	PP4VFE4-MG	1.74	1.21	2.05	1.15	.19
1/4	3/8	PP4VFE6-MG	1.74	1.21	2.18	1.28	.19
3/8	1/8	PP6VFE2-MG (+)	1.85	1.32	1.82	.92	.25
3/8	1/4	PP6VFE4-MG	1.85	1.32	2.05	1.15	.25
3/8	3/8	PP6VFE6-MG	1.85	1.32	2.18	1.28	.25

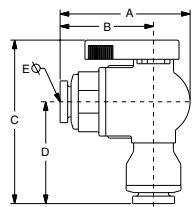
(+) For nonstandard plastic collet, remove -MG suffix.

**VUC** | **valve union connector** fractional inch tube

ØD 1 in	ØD 2 in	Part Number	A in	B in	C in	D in	ØE in
			Black PPL		White PPL		
1/4	1/4	PPB4VUC4-MG	2.55	1.22	1.0	.5	.19
1/4	3/8	PP4VUC6-MG	2.55	1.22	1.0	.5	.19
3/8	1/4	PP6VUC4-MG	2.57	1.30	1.0	.5	.19
3/8	3/8	PPB6VUC6-MG	2.57	1.32	1.4	.5	.25

**VFC** | **valve female connector** fractional inch tube to NPTF

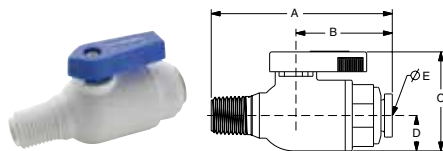
ØD 1 in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in
			Black PPL		White PPL		
1/4	1/8	PP4VFC2-MG	2.04	1.21	1.4	.5	.19
1/4	1/4	PP4VFC4-MG	2.27	1.21	1.4	.5	.19
1/4	3/8	PP4VFC6-MG	2.40	1.21	1.4	.5	.19
3/8	1/8	PP6VFC2-MG	2.15	1.32	1.4	.5	.25
3/8	1/4	PP6VFC4-MG	2.38	1.32	1.4	.5	.25
3/8	3/8	PPB6VFC6-MG	2.51	1.32	1.4	.5	.25

**VEU** | **valve elbow union** fractional inch

ØD 1 in	ØD 2 in	Part Number	A in	B in	C in	D in	ØE in
1/4	1/4	PP4VEU4-MG	1.75	1.22	2.33	1.42	.19
1/4	3/8	PP4VEU6-MG	1.75	1.22	2.33	1.42	.19
3/8	1/4	PP6VEU4-MG	1.83	1.30	2.32	1.40	.19
3/8	3/8	PP6VEU6-MG	1.83	1.32	2.34	1.44	.25

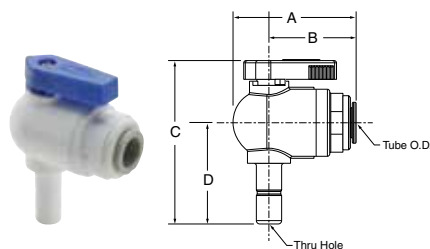


WARNING: These products can expose you to chemicals including NICKEL, CARBON BLACK, TITANIUM DIOXIDE, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

VMC | **valve male connector** fractional inch to NPTF

ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in
1/4	1/8	PP4VMC2-MG (+)	2.22	1.21	1.4	.5	.19
1/4	1/4	PP4VMC4-MG	2.40	1.21	1.4	.5	.19
1/4	3/8	PP4VMC6-MG	2.40	1.21	1.4	.5	.19
1/4	1/2	PP4VMC8-MG (+)	2.59	1.21	1.4	.5	.19
3/8	1/8	PP6VMC2-MG (+)	2.33	1.32	1.4	.5	.25
3/8	1/4	PP6VMC4-MG	2.51	1.32	1.4	.5	.25
3/8	3/8	PP6VMC6-MG	2.51	1.32	1.4	.5	.25
3/8	1/2	PP6VMC8-MG (+)	2.70	1.32	1.4	.5	.25

(+) For nonstandard plastic collet, remove -MG suffix.

VTEU | **valve male connector** fractional inch to NPTF

ØD in	Stem in	Part Number	A in	B in	C in	D in	ØE in
1/4	3/8	PP4VTEU6-MG	1.75	1.22	2.43	1.50	.17
3/8	3/8	PP6VTEU6-MG	1.83	1.30	2.43	1.50	.25

SC | **safety clip**

ØD in	Part Number	Part Number
1/4	SC-4	SC-4-B
5/16	SC-5	SC-5-B
3/8	SC-6	SC-6-B
1/2	SC-8	SC-8-B

(Patent No. 6,065,779)

TS | **tube supports**

Part Number Nylon	Part Number PPL
N4TS3	P4TS3
N5TS3	P4TS3
N6TS4	P6TS4
N8TS6	P8TS6

To be used with soft durometer tubing.

AQRT | **quick release tool**

Makes disconnection of tube adapters and tubing a breeze.



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Fast & Tite Fittings



Parker's Fast & Tite fittings are a compression style fitting that installs in seconds without tools and provides a tight, sure, leak proof seal without clamps or adjustments. A unique grab ring for tube retention, coupled with a Nitrile o-ring creates a positive seal and assures good tube retention with only hand tight assembly.

Product Features:

- Available in white polypropylene, black polypropylene and white nylon
- 302 stainless steel grab ring
- Nitrile O-ring
- FDA compliant material
- NSF-51

Markets:

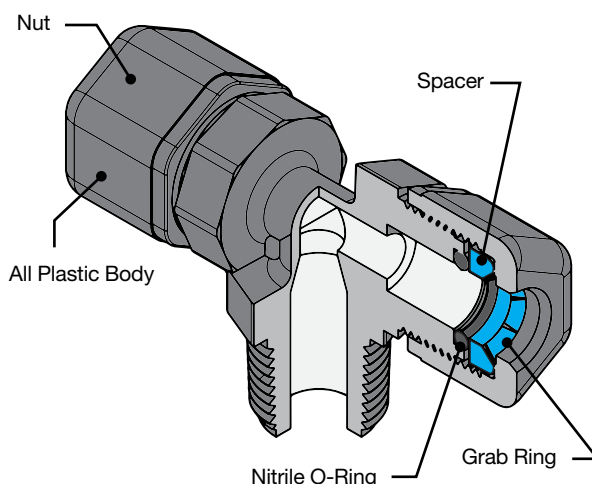
- Water Filtration
- Beverage Dispensing
- Life Science
- Bottling
- Semi-Conductor

Applications:

- Water
- Beverages
- Food
- Cooling Systems

Compatible Tubing:

- Thermoplastic
- Soft Metal
- Glass



Specifications:

Air-Oil-Water Pressure in PSI (bar)

TUBE O. D. IN.	UP TO 75°F	76° TO 125°F	126° TO 175°F
1/4	300 (20.7)	300 (20.7)	300 (20.7)
5/16	300 (20.7)	300 (20.7)	300 (20.7)
3/8	250 (17.2)	250 (17.2)	150 (10.3)
1/2	200 (13.8)	200 (13.8)	150 (10.3)
5/8	150 (10.3)	100 (6.9)	50 (3.5)

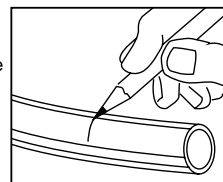
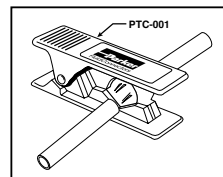
Temperature Range

Nylon: -40° to +200° F (-40° to +93.3° C)
Polypropylene: 0° to +212° F (-17.8° to +100° C)

TUBE O.D. (IN.)	INSERTION LENGTH (IN.)
1/4	5/8
5/16	5/8
3/8	13/16
1/2	7/8
5/8	1

Assembly Instructions

1. Cut the tube squarely and remove any burrs.
2. Mark from end of tube the length of insertion. If using a tube support, insert fully into tube before marking. (See insertion length table left)
3. Loosen nut on fitting until three threads are visible. Fittings for glass tubes must be disassembled and the grab ring removed. If the fitting has been disassembled the components are to be placed in the following order: fitting body, o-ring, spacer, grab ring and nut. Assemble the nut until three threads are showing on the body before inserting tube.
4. Moisten end of the tube with water. Push the tube straight into fitting until it bottoms on the fitting's shoulder. Tighten nut by hand. Additional tightening should not be necessary, but 1/4 additional turn may be added if desired. Do not overtighten nut as the threads will strip and the fitting will not function properly. A proper assembly will not show the insertion mark extending beyond the nut. If the insertion mark is visible, then steps 1 thru 4 must be repeated.
5. Whenever a Fast & Tite® fitting is assembled for service or reuse the stainless steel grab ring should be replaced for maximum tubing retention.



Note: Provide adequate fail-safe mechanisms such as leakage detection sensors, automatic shut-off controls or other industry and code appropriate fail-safe devices in the design of your water-handling appliance to protect against personal injury and property damage. Plastic fittings containing an o-ring have a finite life depending on the environment, media and severity of the application. Frequent inspections and replacement of the fitting when anomalies are found is recommended.

threaded fittings

MC
NPTF
p. B32



ME
NPTF
p. B32



FE
NPTF
p. B32



FC
NPTF
p. B33



MR
NPTF
p. B33



MT
NPTF
p. B33



tube to tube fittings

UC
p. B34



EU
p. B34



BU
p. B34



TU
p. B34



auxiliary components

GR
p. B35



NS
p. B35

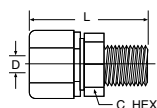


TS
p. B35

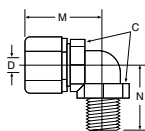


OR
p. B35

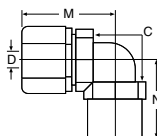


MC | **male connector** fractional inch tube to NPTF

ØD in	C NPTF	Part Number		F in	L in	D in
		Black PPL	White PPL	Natural Nylon		
1/4	1/8	P4MC2	W4MC2	N4MC2	11/16	1.28 .170
1/4	1/4	P4MC4	W4MC4	N4MC4	11/16	1.51 .170
1/4	3/8	P4MC6	W4MC6	N4MC6	11/16	1.48 .170
5/16	1/8	P5MC2	W5MC2	N5MC2	11/16	1.38 .170
5/16	1/4	P5MC4	W5MC4	N5MC4	11/16	1.50 .250
3/8	1/8	P6MC2	W6MC2	N6MC2	13/16	1.50 .170
3/8	1/4	P6MC4	W6MC4	N6MC4	13/16	1.67 .250
3/8	3/8	P6MC6	W6MC6	N6MC6	13/16	1.67 .250
3/8	1/2	P6MC8	W6MC8	N6MC8	1	1.78 .250
3/8	3/4	P6MC12	W6MC12	N6MC12	1	1.84 .250
1/2	1/8	P8MC2	W8MC2	N8MC2	1	1.61 .170
1/2	1/4	P8MC4	W8MC4	N8MC4	1	1.74 .250
1/2	3/8	P8MC6	W8MC6	N8MC6	1	1.74 .375
1/2	1/2	P8MC8	W8MC8	N8MC8	1	1.87 .375
1/2	3/4	P8MC12	W8MC12	N8MC12	1	1.89 .375
5/8	1/8	P10MC2	W10MC2	N10MC2	1-1/8	1.75 .170
5/8	1/4	P10MC4	W10MC4	N10MC4	1-1/8	1.90 .250
5/8	3/8	P10MC6	W10MC6	N10MC6	1-1/8	1.90 .375
5/8	1/2	P10MC8	W10MC8	N10MC8	1-1/8	2.01 .500
5/8	3/4	P10MC12	W10MC12	N10MC12	1-1/8	2.04 .500

ME | **male elbow** fractional inch tube to NPTF

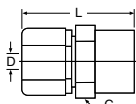
ØD in	C NPTF	Part Number		F in	M in	N in	D in
		Black PPL	White PPL	Natural Nylon			
1/4	1/8	P4ME2	W4ME2	N4ME2	3/4	1.06	0.81 .170
1/4	1/4	P4ME4	W4ME4	N4ME4	3/4	1.06	1.02 .170
1/4	3/8	P4ME6	W4ME6	N4ME6	3/4	1.06	1.02 .170
5/16	1/8	P5ME2	W5ME2	N5ME2	3/4	1.06	0.81 .193
5/16	1/4	P5ME4	W5ME4	N5ME4	3/4	1.06	1.02 .193
5/16	3/8	P5ME6	W5ME6	N5ME6	3/4	1.06	0.02 .193
3/8	1/4	P6ME4	W6ME4	N6ME4	7/8	1.28	1.12 .250
3/8	3/8	P6ME6	W6ME6	N6ME6	7/8	1.28	1.12 .250
3/8	1/2	P6ME8	W6ME8	N6ME8	1	1.28	1.34 .250
3/8	3/4	P6ME12	W6ME12	N6ME12	1-3/16	1.59	1.40 .250
1/2	1/4	P8ME4	W8ME4	N8ME4	1-1/16	1.48	1.22 .250
1/2	3/8	P8ME6	W8ME6	N8ME6	1-1/16	1.56	1.21 .375
1/2	1/2	P8ME8	W8ME8	N8ME8	1-1/16	1.56	1.34 .375
1/2	3/4	P8ME12	W8ME12	N8ME12	1-1/8	1.50	1.40 .375
5/8	1/2	P10ME8	W10ME8	N10ME8	1-3/16	1.72	1.40 .500

FE | **female elbow** fractional inch tube to NPTF

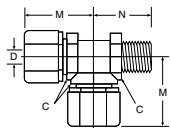
ØD in	C NPTF	Part Number		F in	M in	N in	D in
		Black PPL	White PPL	Natural Nylon			
1/4	1/8	P4FE2	W4FE2	N4FE2	11/16	1.10	0.84 .170
1/4	1/4	P4FE4	W4FE4	N4FE4	11/16	1.10	0.94 .170
5/16	1/8	P5FE2	W5FE2	N5FE2	11/16	1.10	0.84 .193
3/8	1/4	P6FE4	W6FE4	N6FE4	13/16	1.30	1.06 .250
3/8	3/8	P6FE6	W6FE6	N6FE6	13/16	1.30	1.03 .250
1/2	3/8	P8FE6	W8FE6	N8FE6	1	1.50	1.16 .375
1/2	1/2	P8FE8	W8FE8	N8FE8	1	1.50	1.27 .375
5/8	1/2	P10FE8	W10FE8	N10FE8	1-1/8	1.70	1.34 .500



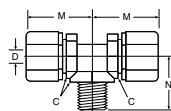
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FC | **female connector** fractional inch tube to NPTF

ØD1 in	C NPTF	Part Number			F in	L in	D in
		Black PPL	White PPL	Natural Nylon			
1/4	1/8	P4UC2	W4UC2	N4UC2	11/16	1.31	.170
1/4	1/4	P4UC4	W4UC4	N4UC4	11/16	1.44	.170
3/8	1/4	P6UC4	W6UC4	N6UC4	13/16	1.61	.250
3/8	1/4	P6UC6	W6UC6	N6UC6	13/16	1.64	.250
3/8	3/8	P6UC8	W6UC8	N6UC8	13/16	1.75	.250
1/2	3/8	P8UC6	W8UC6	N8UC6	1	1.70	.375
1/2	1/2	P8UC8	W8UC8	N8UC8	1	1.85	.375
5/8	1/2	P10UC8	W10UC8	N10UC8	1-1/8	1.96	.500

MR | **male run tee** fractional inch tube to NPTF

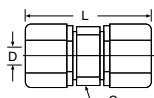
ØD in	C NPTF	Part Number			F in	M in	N in	D in
		Black PPL	White PPL	Natural Nylon				
1/4	1/8	P4MR2	W4MR2	N4MR2	11/16	1.09	0.89	.170
3/8	1/4	P6MR4	W6MR4	N6MR4	13/16	1.30	1.17	.250
1/2	3/8	P8MR6	W8MR6	N8MR6	1	1.46	1.28	.375
5/8	1/2	P10MR8	W10MR8	N10MR8	1-1/8	1.68	1.50	.500

MT | **male branch tee** fractional inch tube to NPTF

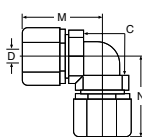
ØD1 in	C NPTF	Part Number			F in	M in	N in	D in
		Black PPL	White PPL	Natural Nylon				
1/4	1/8	P4MT2	W4MT2	N4MT2	11/16	1.09	0.89	.170
1/4	1/4	P4MT4	W4MT4	N4MT4	11/16	1.09	1.06	.170
5/16	1/8	P5MT2	W5MT2	N5MT2	11/16	1.09	0.89	.170
5/16	1/4	P5MT4	W5MT4	N5MT4	11/16	1.09	1.06	.187
3/8	1/4	P6MT4	W6MT4	N6MT4	13/16	1.30	1.12	.250
3/8	3/8	P6MT6	W6MT6	N6MT6	13/16	1.30	1.10	.250
1/2	3/8	P8MT6	W8MT6	N8MT6	1	1.46	1.22	.375
1/2	1/2	P8MT8	W8MT8	N8MT8	1	1.46	1.43	.375
5/8	1/2	P10MT8	W10MT8	N10MT8	1-1/8	1.68	1.41	.500



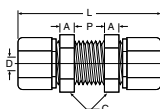
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UC | union connector fractional inch tube to tube

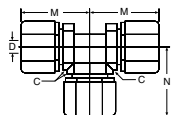
ØD1 in	ØD2 in	Part Number			F in	L in	D in
		Black PPL	White PPL	Natural Nylon			
1/4	1/8	P4UC2	W4UC2	N4UC2	11/16	1.62	.170
5/16	1/4	P5UC4	W5UC4	N5UC4	11/16	1.62	.170
5/16	5/16	P5UC5	W5UC5	N5UC5	11/16	1.62	.190
3/8	1/4	P6UC4	W6UC4	N6UC4	13/16	1.80	.170
3/8	5/16	P6UC5	W6UC5	N6UC5	13/16	1.80	.190
3/8	3/8	P6UC6	W6UC6	N6UC6	13/16	1.92	.250
1/2	3/8	P8UC6	W8UC6	N8UC6	1	1.95	.250
1/2	1/2	P8UC8	W8UC8	N8UC8	1	2.03	.375
5/8	3/8	P10UC6	W10UC6	N10UC6	1-1/8	2.19	.250
5/8	1/2	P10UC8	W10UC8	N10UC8	1-1/8	2.24	.375
5/8	5/8	P10UC10	W10UC10	N10UC10	1-1/8	2.40	.500

EU | elbow union fractional inch tube to tube

ØD1 in	ØD2 in	Part Number			F in	M in	N in	D in
		Black PPL	White PPL	Natural Nylon				
1/4	1/4	P4EU4	W4EU4	N4EU4	3/4	1.06	1.06	.170
5/16	1/4	P5EU4	W5EU4	N5EU4	3/4	1.06	1.06	.170
5/16	5/16	P5EU5	W5EU5	N5EU5	3/4	1.06	1.06	.193
3/8	1/4	P6EU4	W6EU4	N6EU4	7/8	1.06	1.28	.170
3/8	5/16	P6EU5	W6EU5	N6EU5	7/8	1.06	1.28	.170
3/8	3/8	P6EU6	W6EU6	N6EU6	7/8	1.28	1.28	.250
1/2	3/8	P8EU6	W8EU6	N8EU6	1-1/16	1.37	1.56	.250
1/2	1/2	P8EU8	W8EU8	N8EU8	1-1/16	1.56	1.56	.375
5/8	5/8	P10EU10	W10EU10	N10EU10	1-3/16	1.72	1.72	.500

BU | bulkhead union fractional inch tube to tube

ØD1 in	ØD2 in	Part Number			F in	A in	L in	P in	D in
		Black PPL	White PPL	Natural Nylon					
1/4	1/4	P4BU4	W4BU4	N4BU4	13/16	1/4	2-11/16	3/8	.170
5/16	5/16	P5BU5	W5BU5	N5BU5	13/16	1/4	2-11/16	3/8	.187
3/8	3/8	P6BU6	W6BU6	N6BU6	15/16	9/32	2-39/64	1/2	.250
1/2	1/2	P8BU8	W8BU8	N8BU8	1-5/32	5/16	2-3/4	1/2	.375

TU | tee union fractional inch tube to tube

ØD1 in	ØD2 in	Part Number			F in	M in	N in	D in
		Black PPL	White PPL	Natural Nylon				
1/4	1/4	P4TU4	W4TU4	N4TU4	11/16	1.09	1.09	.170
5/16	5/16	P5TU5	W5TU5	N5TU5	11/16	1.09	1.09	.187
3/8	3/8	P6TU6	W6TU6	N6TU6	13/16	1.30	1.30	.250
1/2	3/8	P8TU6	W8TU6	N8TU6	1	1.46	1.39	.250
1/2	1/2	P8TU8	W8TU8	N8TU8	1	1.46	1.46	.375
5/8	3/8	P10TU6	W10TU6	N10TU6	1-1/8	1.68	1.46	.250
5/8	5/8	P10TU10	W10TU10	N10TU10	1-3/16	1.68	1.68	.500



WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

GR | **grab ring** fractional inch

ØD1 in	Part Number	
	Stainless Grab Ring	Plastic Grab Ring
1/4	4GR	4GRP
5/16	5GR	5GRP
3/8	6GR	6GRP
1/2	8GR	8GRP
5/8	10GR	10GRP

NS | **nut and spacer sets** fractional inch

ØD1 in	Part Number		
	Black PPL	White PPL	Natural Nylon
1/4	P4NS	W4NS	N4NS
5/16	P5NS	W5NS	N5NS
3/8	P6NS	W6NS	N6NS
1/2	P8NS	W8NS	N8NS
5/8	P10NS	W10NS	N10NS

TS | **tube support** fractional inch

For Tube Part Number	Part Number	
	PPL	Nylon
PV43	P4TS3	N4TS3
PV53	P5TS3	N5TS3
PV64	P6TS4	N6TS4
PV86	P8TS6	N8TS6
PV108	P10TS8	N10TS8

OR | **O-ring** fractional inch

ØD1 in	Part Number		
	Nitrile	Fluorocarbon	EPDM
1/4	4OR	4OR-V	4OR-EPDM
5/16	5OR	5OR-V	5OR-EPDM
3/8	6OR	6OR-V	6OR-EPDM
1/2	8OR	8OR-V	8OR-EPDM
5/8	10OR	10OR-V	10OR-EPDM



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Par-Barb Fittings



Parker's Par-Barb fittings are injection molded from high strength chemically inert, thermoplastic materials. The multiple barb design generates the maximum gripping and sealing power when combined with a hose clamp.

Product Features:

- Available in black polypropylene and white nylon
- FDA compliant material
- NSF/ANSI 51
- Uniprene washer
- Up to 1 1/2" sizes

Markets:

- Water
- Beverage Dispensing
- Bottling
- Semi-Conductor

Applications:

- Water
- Beverages
- Cooling Systems



Specifications:

Pressure Range Up to 125 PSI (8.6 bar)

Temperature Range Nylon: -40° to +200° F (-40° to +93.3° C)
Polypropylene: +10° to +220° F (-12.2° to +104.4° C)

Compatible Tubing:

- Vinyl
- Polyurethane
- Rubber hose

barbed fittings**322HB**

p. B38

**364HB**

p. B38

**365HB**

p. B38

**318P**NPT
p. B39**309HB**NPT
p. B39**316HB**NPT
p. B39**326HB**NPT
p. B39**325HB**NPT
p. B40**372HB**NPT
p. B40**370HB**NPT
p. B40**329HB**NPT
p. B41**362HB**

p. B41

**328HB**NPT
p. B41**31HB**NPT
p. B41**garden hose fittings****316GH**

p. B42

**325GH**

p. B42

**325GHSV**

p. B42

**31GH**

p. B42

**313GH**

p. B42

**30GH**

p. B42

**ball valves****VMC**NPTF
p. B43**VFC**NPTF
p. B43**VME**NPTF
p. B43**VFE**NPTF
p. B43**VEU**

p. B43

**VUC**

p. B43

**VUCPB**

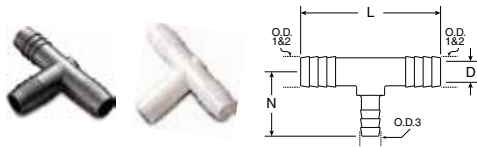
p. B43



322HB**union connector** fractional inch barb to barb

ID1 in	ID2 in	Part Number		ØD1 in	ØD2 in	L in	D in
		Black PPL	White Nylon				
1/8	1/8	322HB-2PP*	322HB-2N*	.18	.18	.66	.09
3/16	3/16	322HB-3PP	322HB-3N	.25	.25	1.61	.12
1/4	1/8	322HB-4-2PP	322HB-4-2N	.31	.21	1.61	.08
1/4	3/16	322HB-4-3PP	322HB-4-3N	.31	.25	1.61	.13
1/4	1/4	322HB-4PP	322HB-4N	.31	.31	1.61	.16
5/16	5/16	322HB-5PP	322HB-5N	.37	.37	1.61	.22
3/8	1/4	322HB-6-4PP	322HB-6-4N	.43	.31	1.61	.15
3/8	5/16	322HB-6-5PP	322HB-6-5N	.43	.37	1.62	.22
3/8	3/8	322HB-6PP	322HB-6N	.43	.43	1.61	.25
1/2	1/4	322HB-8-4PP	322HB-8-4N	.55	.31	1.73	.15
1/2	3/8	322HB-8-6PP	322HB-8-6N	.55	.43	1.73	.25
1/2	1/2	322HB-8PP	322HB-8N	.56	.56	1.74	.38
5/8	3/8	322HB-10-6PP	322HB-10-6N	.66	.43	1.73	.25
5/8	1/2	322HB-10-8PP	322HB-10-8N	.66	.55	1.73	.37
5/8	5/8	322HB-10PP	322HB-10N	.67	.67	1.73	.47
3/4	1/2	322HB-12-8PP	322HB-12-8N	.81	.55	2.99	.38
3/4	3/4	322HB-12PP	322HB-12N	.80	.80	2.97	.58
1	1		322HB-16N	1.08	1.08	3.12	.82
1-1/4	1-1/4		322HB-20N	1.26	1.26	3.58	1.00
1-1/2	1-1/2		322HB-24N	1.51	1.51	3.58	1.25

*Note: 1/8" tube connections contain one barb.

364HB**union tee** fractional inch barb to barb to barb

ID1-2 in	ID3 in	Part Number		ØD1-2 in	ØD3 in	L in	N in	D in
		Black PPL	White Nylon					
1/8	1/8		364HBM-2N*	.15	.15	1.19	.60	.08
3/16	3/16	364HB-3PP	364HB-3N	.25	.25	1.49	.75	.12
1/4	1/4	364HB-4PP	364HB-4N	.32	.32	1.92	.96	.16
1/4	3/8		364HB-4-6N	.32	.44	1.92	1.18	.16
5/16	5/16	364HB-5PP	364HB-5N	.36	.36	2.22	1.17	.22
3/8	3/16	364HB-6-3PP	364HB-6-3N	.43	.24	2.23	1.04	.09
3/8	1/4	364HB-6-4PP	364HB-6-4N	.43	.32	1.92	1.18	.16
3/8	3/8	364HB-6PP	364HB-6N	.43	.43	2.22	1.18	.25
3/8	1/2	364HB-6-8PP	364HB-6-8N	.43	.56	2.22	1.27	.25
1/2	3/8	364HB-8-6PP	364HB-8-6N	.55	.43	2.52	1.27	.25
1/2	1/2	364HB-8PP	364HB-8N	.56	.56	2.52	1.27	.37
5/8	5/8	364HB-10PP	364HB-10N	.66	.66	2.74	1.37	.46
3/4	3/4		364HB-12N	.81	.81	2.98	1.50	.58
1	1		364HB-16N	1.06	1.06	3.10	1.55	.81
1-1/4	1-1/4		364HB-20N	1.25	1.25	5.29	2.64	1.00
1-1/2	1-1/2		364HB-24N	1.51	1.51	5.48	2.74	1.25

*Note: 1/8" tube connections contain one barb.

365HB**union elbow** fractional inch barb to barb

ID1 in	ID2 in	Part Number		ØD1 in	ØD2 in	M in	N in	D in
		Black PPL	White Nylon					
3/16	3/16	365HB-3PP	365HB-3N	.25	.25	.75	.75	.12
1/4	1/4	365HB-4PP	365HB-4N	.31	.31	1.13	1.13	.15
5/16	5/16	365HB-5PP	365HB-5N	.37	.37	1.19	1.19	.22
3/8	3/8	365HB-6PP	365HB-6N	.43	.43	1.26	1.26	.25
1/2	1/4	365HB-8-4PP	365HB-8-4N	.55	.31	1.26	1.24	.16
1/2	3/8	365HB-8-6PP	365HB-8-6N	.55	.43	1.26	1.27	.25
1/2	1/2	365HB-8PP	365HB-8N	.56	.56	1.26	1.26	.37
5/8	5/8	365HB-10PP	365HB-10N	.67	.67	1.37	1.37	.46
3/4	3/4	365HB-12PP	365HB-12N	.80	.80	1.48	1.48	.57
1	1		365HB-16N	1.08	1.08	1.50	1.50	.81
1-1/4	1-1/4		365HB-20N	1.26	1.26	2.63	2.63	1.00
1-1/2	1-1/2		365HB-24N	1.51	1.51	2.74	2.74	1.25



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318P | **hex plug** fractional inch NPT

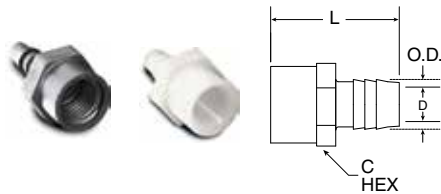
ØD1 NPT	Part Number		C in	L in
	Black PPL	White Nylon		
1/8	318P-2PP	318P-2N	7/16	.62
1/4	318P-4PP	318P-4N	9/16	.75
3/8	318P-6PP	318P-6N	11/16	.74
1/2	318P-8PP	318P-8N	7/8	.87
3/4	318P-12PP	318P-12N	1-1/8	.86
1	318P-16PP	318P-16N	1-3/8	1.05
1-1/4	318P-20PP	318P-20N	1-1/2	1.44
1-1/2	318P-24PP	318P-24N	1-3/4	1.61

309P | **reducer bushing** fractional inch NPT

ØD NPT	ID NPT	Part Number		C in	L in
		Black PPL	White Nylon		
1/4	1/8	309P-4-2PP	309P-4-2N	9/16	.75
3/8	1/8	309P-6-2PP	309P-6-2N	11/16	.74
3/8	1/4	309P-6-4PP	309P-6-4N	11/16	.75
1/2	1/8	309P-8-2PP	309P-8-2N	7/8	.88
1/2	1/4	309P-8-4PP	309P-8-4N	7/8	.87
1/2	3/8	309P-8-6PP	309P-8-6N	7/8	.87
3/4	1/8	309P-12-2PP	309P-12-2N	1-1/8	.86
3/4	1/4	309P-12-4PP	309P-12-4N	1-1/8	.75
3/4	3/8	309P-12-6PP	309P-12-6N	1-1/8	.85
3/4	1/2	309P-12-8PP	309P-12-8N	1-1/8	.87

316P | **hex nipple** fractional inch NPT

ØD1 NPT	ØD2 NPT	Part Number		C in	L in	D in
		Black PPL	White Nylon			
1/8	1/8	316P-2PP	316P-2N	7/16	.99	.2
1/4	1/8	316P-4-2PP	316P-4-2N	9/16	1.13	.22
1/4	1/4	316P-4PP	316P-4N	9/16	1.24	.31
3/8	1/8	316P-6-2PP	316P-2N	11/16	1.11	.22
3/8	1/4	316P-6-4PP	316P-6-4N	11/16	1.25	.31
3/8	3/8	316P-6PP	316P-6N	11/16	1.23	.43
1/2	1/8	316P-8-2PP	316P-8-4N	7/8	1.23	.22
1/2	1/4	316P-8-4PP	316P-8-4N	7/8	1.36	.31
1/2	3/8	316P-8-6PP	316P-8-6N	7/8	1.35	.43
1/2	1/2	316P-8PP	316P-8N	7/8	1.45	.59
3/4	3/8	316P-12-6PP	316P-12-6N	1-1/8	1.36	.43
3/4	1/2	316P-12-8PP	316P-12-8N	1-1/8	1.47	.59
3/4	3/4	316P-12PP	316P-12N	1-1/8	1.48	.74
1	1	316P-16PP	316P-16N	1-3/8	1.85	.98

326HB | **female connector** fractional inch barb to NPT

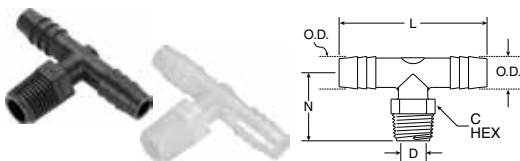
ID in	ØD NPT	Part Number		ØD in	C in	L in	D in
		Black PPL	White Nylon				
3/16	1/8	326HB-3-2PP	326HB-3-2N	.25	5/8	1.29	.12
3/16	1/8	326HB-3-4PP	326HB-3-4N	.25	3/4	1.31	.13
1/4	1/8	326HB-4-2PP	326HB-4-2N	.31	5/8	1.51	.16
1/4	1/4	326HB-4-4PP	326HB-4-4N	.31	3/4	1.52	.15
1/4	1/4	326HB-4-6PP	326HB-4-6N	.31	1	1.52	.15
1/4	1/4	326HB-4-8PP	326HB-4-8N	.31	1-1/8	1.73	.15
3/8	1/8	326HB-6-2PP	326HB-6-2N	.44	5/8	1.74	.25
3/8	1/4	326HB-6-4PP	326HB-6-4N	.43	3/4	1.51	.25
3/8	3/8	326HB-6-6PP	326HB-6-6N	.43	1	1.52	.25
3/8	3/8	326HB-6-8PP	326HB-6-8N	.43	1-1/8	1.73	.25
1/2	1/8	326HB-8-4PP	326HB-8-4N	.55	3/4	1.74	.37
1/2	1/4	326HB-8-6PP	326HB-8-6N	.55	1	1.52	.37
1/2	3/8	326HB-8-8PP	326HB-8-8N	.56	1-1/8	1.74	.37
5/8	1/2	326HB-10-6PP	326HB-10-6N	.66	1	1.61	.46
5/8	3/8	326HB-10-8PP	326HB-10-8N	.66	1-1/8	1.73	.46
3/4	1/2	326HB-12-8PP	326HB-12-8N	.80	1-1/8	1.86	.62
3/4	3/4	326HB-12-12PP	326HB-12-12N	.80	1-1/8	1.85	.62



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

325HB | **male connector** fractional inch barb to NPT

ID in	ØD NPT	Part Number		ØD in	C in	L in	D in
		Black PPL		White Nylon			
3/16	1/8	325HB-3-2PP	325HB-3-2N	.25	7/16	1.49	.12
3/16	1/4	325HB-3-4PP	325HB-3-4N	.25	9/16	1.61	.13
1/4	1/8	325HB-4-2PP	325HB-4-2N	.31	7/16	1.50	.15
1/4	1/4	325HB-4-4PP	325HB-4-4N	.31	9/16	1.60	.16
1/4	3/8		325HB-4-6N	.31	11/16	1.62	.16
1/4	1/2	325HB-4-8PP	325HB-4-8N	.31	7/8	1.73	.15
1/4	3/4		325HB-4-12N	.31	1-1/8	1.74	.16
5/16	1/8		325HB-5-2N	.37	7/16	1.50	.22
5/16	1/4		325HB-5-4N	.37	9/16	1.62	.22
5/16	3/8	325HB-5-6PP	325HB-5-6N	.37	11/16	1.60	.21
3/8	1/8	325HB-6-2PP	325HB-6-2N	.43	7/16	1.49	.25
3/8	1/4	325HB-6-4PP	325HB-6-4N	.43	9/16	1.62	.25
3/8	3/8	325HB-6-6PP	325HB-6-6N	.43	11/16	1.61	.25
3/8	1/2	325HB-6-8PP	325HB-6-8N	.43	7/8	1.73	.25
3/8	3/4	325HB-6-12PP	325HB-6-12N	.43	1-1/8	1.72	.25
1/2	1/4	325HB-8-4PP	325HB-8-4N	.55	9/16	1.61	.35
1/2	3/8	325HB-8-6PP	325HB-8-6N	.55	11/16	1.60	.37
1/2	1/2	325HB-8-8PP	325HB-8-8N	.55	7/8	1.73	.37
1/2	3/4	325HB-8-12PP	325HB-8-12N	.55	1-1/8	1.72	.37
5/8	3/8	325HB-10-6PP	325HB-10-6N	.66	11/16	1.61	.46
5/8	1/2	325HB-10-8PP	325HB-10-8N	.66	7/8	1.73	.46
5/8	3/4	325HB-10-12PP	325HB-10-12N	.67	1-1/8	1.82	.46
3/4	1/2	325HB-12-8PP	325HB-12-8N	.80	7/8	1.86	.62
3/4	3/4	325HB-12-12PP	325HB-12-12N	.80	1-1/8	1.85	.62
3/4	1		325HB-12-16N	.82	1-3/8	2.35	.59
3/4	1-1/4		325HB-12-20N	.86	1-1/2	3.47	.59
3/4	1-1/2		325HB-12-24N	.86	1-3/4	3.66	.59
1	1/2		325HB-16-8N	1.08	1-1/8	2.49	.77
1	3/4		325HB-16-12N	1.07	1-1/8	2.30	.81
1	1		325HB-16-16N	1.07	1-3/8	2.35	.81
1	1-1/4		325HB-16-20N	1.11	1-1/2	3.45	.78
1	1-1/2		325HB-16-24N	1.11	1-3/4	3.63	.78
1-1/4	1-1/4		325HB-20-20N	1.36	1-1/2	3.47	1.04
1-1/4	1-1/2		325HB-20-24N	1.36	1-3/4	3.64	1.04
1-1/2	1-1/4		325HB-24-20N	1.60	1-1/2	3.45	1.28
1-1/2	1-1/2		325HB-24-24N	1.61	1-3/4	3.63	1.28

372HB | **male branch tee** fractional inch barb to barb to NPT

ID in	ØD NPT	Part Number		ØD in	C in	L in	N in	D in
		Black PPL		White Nylon				
3/16	1/8		372HB-3-2N	.25	7/16	1.94	1.06	.13
3/16	1/4		372HB-3-4N	.24	9/16	1.93	1.17	.13
1/4	1/8	372HB-4-2PP	372HB-4-2N	.32	7/16	1.92	1.06	.16
1/4	1/4	372HB-4-4PP	372HB-4-4N	.32	9/16	1.92	1.16	.16
1/4	3/8	372HB-4-6PP	372HB-4-6N	.32	11/16	1.92	1.18	.16
3/8	1/4	372HB-6-4PP	372HB-6-4N	.43	9/16	2.22	1.18	.25
3/8	3/8	372HB-6-6PP	372HB-6-6N	.43	11/16	2.22	1.17	.25
3/8	1/2	372HB-6-8PP	372HB-6-8N	.43	7/8	2.22	1.29	.25
1/2	1/4	372HB-8-4PP	372HB-8-4N	.55	9/16	2.52	1.17	.37
1/2	3/8	372HB-8-6PP	372HB-8-6N	.56	11/16	2.52	1.17	.37
1/2	1/2	372HB-8-8PP	372HB-8-8N	.55	7/8	2.52	1.30	.37
3/4	3/4	372HB-12-12PP	372HB-12-12N	.81	1-1/8	2.97	1.92	.58
1	1/2		372HB-16-8N	1.07	7/8	3.10	1.74	.81
1	3/4		372HB-16-12N	1.07	1-1/8	3.10	1.92	.81
1	1		372HB-16-16N	1.07	1-3/8	3.11	1.98	.81

370HB | **female elbow** fractional inch barb to NPT

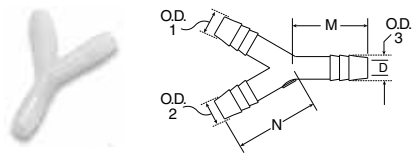
ID in	ØD NPT	Part Number		ØD in	C in	M in	N in	D in
		Black PPL		White Nylon				
1/4	1/8	370HB-4-2PP	370HB-4-2N	.31	5/8	1.19	1.07	.16
1/4	1/4	370HB-4-4PP	370HB-4-4N	.31	3/4	1.18	1.08	.16
1/4	3/8	370HB-4-6PP	370HB-4-6N	.31	1	1.16	1.30	.16



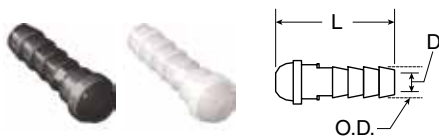
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

329HB | **male elbow** fractional inch barb to NPT

ID in	ØD NPT	Part Number		ØD in	C in	M in	N in	D in
Black PPL			White Nylon					
3/16	1/8	329HB-3-2PP	329HB-3-2N	.25	7/16	.76	1.06	.12
3/16	1/4		329HB-3-4N	.25	9/16	.76	1.17	.13
1/4	1/8	329HB-4-2PP	329HB-4-2N	.31	7/16	1.18	1.04	.16
1/4	1/4	329HB-4-4PP	329HB-4-4N	.31	9/16	1.18	1.16	.22
1/4	3/8	329HB-4-6PP	329HB-4-6N	.31	11/16	1.18	1.17	.15
1/4	1/2	329HB-4-8PP	329HB-4-8N	.32	7/8	1.18	1.30	.15
5/16	1/8		329HB-5-2N	.37	7/16	1.18	1.06	.22
3/8	1/8	329HB-6-2PP	329HB-6-2N	.43	7/16	1.18	1.05	.25
3/8	1/4	329HB-6-4PP	329HB-6-4N	.43	9/16	1.18	1.16	.25
3/8	3/8	329HB-6-6PP	329HB-6-6N	.43	11/16	1.17	1.17	.25
3/8	1/2	329HB-6-8PP	329HB-6-8N	.43	7/8	1.18	1.28	.25
1/2	1/4	329HB-8-4PP	329HB-8-4N	.55	9/16	1.27	1.16	.37
1/2	3/8	329HB-8-6PP	329HB-8-6N	.56	11/16	1.26	1.16	.37
1/2	1/2	329HB-8-8PP	329HB-8-8N	.55	7/8	1.25	1.29	.37
1/2	3/4	329HB-8-12PP	329HB-8-12N	.55	1-1/8	1.30	1.89	.37
5/8	3/8		329HB-10-6N	.67	11/16	1.27	1.18	.47
5/8	1/2	329HB-10-8PP	329HB-10-8N	.68	7/8	1.30	1.73	.48
5/8	3/4	329HB-10-12PP	329HB-10-12N	.69	1-1/8	1.32	1.92	.49
3/4	1/2	329HB-12-8PP	329HB-12-8N	.81	7/8	1.51	1.74	.58
3/4	3/4	329HB-12-12PP	329HB-12-12N	.81	1-1/8	1.50	1.91	.58
3/4	1		329HB-12-16N	.82	1-3/8	1.49	1.98	.58
3/4	1-1/4		329HB-12-20N	.86	1-1/2	1.52	2.39	.59
3/4	1-1/2		329HB-12-24N	.85	1-1/2	2.26	3.09	.59
1	1/2		329HB-16-8N	1.12	7/8	1.58	1.78	.86
1	3/4		329HB-16-12N	1.11	1-1/8	1.58	1.93	.86
1	1		329HB-16-16N	1.08	1-3/8	1.55	1.98	.81
1	1-1/4		329HB-16-20N	1.12	1-1/2	2.28	2.93	.84
1	1-1/2		329HB-16-24N	1.12	1-1/2	2.27	3.11	.84
1-1/4	1-1/4		329HB-20-20N	1.25	1-1/2	2.63	2.94	1.00
1-1/4	1-1/2		329HB-20-24N	1.36	1-1/2	2.63	3.11	1.08
1-1/2	1-1/4		329HB-24-20N	1.60	1-1/2	2.77	2.93	1.30
1-1/2	1-1/2		329HB-24-24N	1.60	1-1/2	2.77	3.10	1.30

362HB | **union Y** fractional inch barb to barb to barb

ID1-2 in	ID3 in	Part Number	ØD1-2 in	ØD3 in	M in	N in	D in
White Nylon							
1/4	1/4	362HB-4N	.31	.31	1.13	1.13	.16
3/8	3/8	362HB-6N	.43	.43	1.25	1.40	.25
1/2	1/2	362HB-8N	.55	.55	1.25	1.50	.38

328HB | **ball nose hose barb stem** fractional inch barb

ID in	Swivel Nut NPT Pipe Thread	Part Number		ØD in	L in	D in
		Black PPL	White Nylon			
1/4	1/4*	328HB-4BPP	328HB-4BN	.30	1.19	.19
1/4	1/2*	328HB-4BPP	328HB-4BN	.30	1.29	.15
3/8	3/8*	328HB-4-8BPP	328HB-4-8BN	.56	1.41	.25
1/2	1/2*	362HB-6BPP	328HB-6BN	.67	1.30	.37

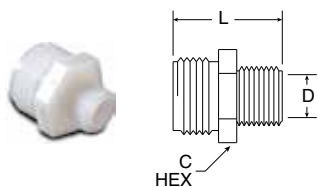
*Use with hose barb swivel nut (31HB-XX) for desired NPT thread.

31HB | **hose barb swivel nut** fractional inch NPT

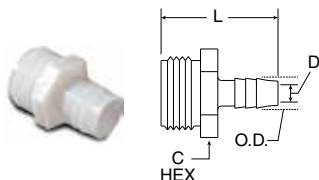
NPT Pipe Thread	C in	Part Number		L in
		Black PPL	White Nylon	
1/4	3/4	31HB-4PP	31HB-4N	.62
3/8	7/8	31HB-6PP	31HB-6N	.63
1/2	1-1/16	31HB-8PP	31HB-8N	.75



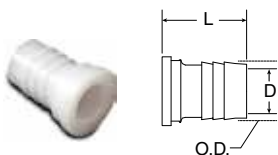
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

316GH | **male garden hose - pipe adapter** fractional inch NPT

ØD NPT	Garden Hose Thread in	Part Number	C in	L in	D in
White Nylon					
3/8	3/4	316GH-12-6N	1-1/8	1.33	.44
1/2	3/4	316GH-12-8N	1-1/8	1.44	.59
3/4	3/4	316GH-12-12N	1-1/8	1.48	.75

325GH | **male garden hose** fractional inch barb

ID in	Garden Hose Thread in	Part Number	ØD in	C in	L in	D in
White Nylon						
1/4	3/4	325GH-4-12N	.31	1-1/8	1.70	.16
3/8	3/4	325GH-6-12N	.44	1-1/8	1.69	.25
1/2	3/4	325GH-8-12N	.55	1-1/8	1.68	.38
5/8	3/4	325GH-10-12N	.64	1-1/8	1.70	.47
3/4	3/4	325GH-12-12N	.81	1-1/8	1.70	.62

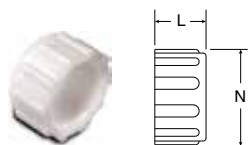
325GHSV | **garden hose swivel** fractional inch barb

ID in	Garden Hose Thread in	Part Number	ØD in	L in	D in
White Nylon					
1/4	3/4	325GHSV-4-12BN*	.31	1.16	.16
3/8	3/4	325GHSV-6-12BN*	.44	1.17	.25
1/2	3/4	325GHSV-8-12BN*	.56	1.17	.38
5/8	3/4	325GHSV-10-12BN*	.64	1.18	.47
3/4	3/4	325GHSV-12-12BN*	.81	1.18	.62

*Use with Garden Hose Washer (30GH-12) and Garden Hose Nut (31GH-12N)

31GH | **garden hose nut** fractional inch

Garden Hose Thread in	Part Number	L in	N in
White Nylon			
3/4	31GH-12N	.74	1.38

313GH | **garden hose cap** fractional inch

Garden Hose Thread in	Part Number	L in	N in
White Nylon			
3/4	313GH-12N*	.74	1.38

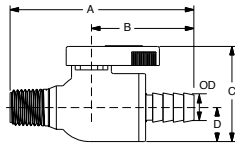
*Use with Garden Hose Washer (30GH-12)

30GH | **garden hose washer** fractional inch

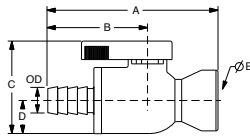
Garden Hose Thread in	Part Number	L in
White TPE		
3/4	30GH-12	.13



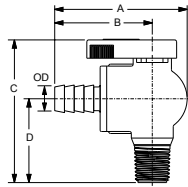
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**VMC****valve male connector** fractional inch barb to NPTF

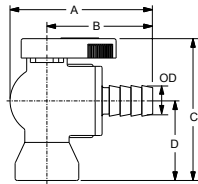
ID in	NPTF Thread	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	1/4	PBPP4VMC4	.31	2.79	1.60	1.42	.50	.15
3/8	3/8	PBPP6VMC6	.43	2.79	1.60	1.42	.50	.19

**VFC****valve female connector** fractional inch barb to NPTF

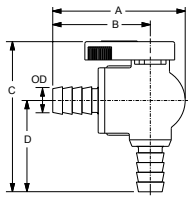
ID in	NPTF Thread	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	1/4	PBPP4VFC4	.31	2.76	1.60	1.41	.50	.15
3/8	3/8	PBPP6VFC6	.43	2.79	1.60	1.41	.50	.19

**VME****valve male elbow** fractional inch barb to NPTF

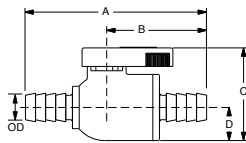
ID in	NPTF Thread	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	1/4	PBPP4VME4	.31	2.13	1.60	2.18	1.28	.15
3/8	3/8	PBPP6VME6	.43	2.13	1.60	2.18	1.28	.19

**VFE****valve female elbow** fractional inch barb to NPTF

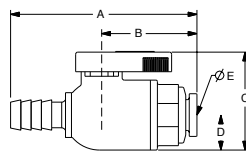
ID in	NPTF Thread	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	1/4	PBPP4VFE4	.31	2.13	1.60	2.05	1.15	.15
3/8	1/4	PBPP6VFE4	.43	2.13	1.60	2.05	1.15	.15
3/8	3/8	PBPP6VFE6	.43	2.13	1.60	2.18	1.28	.19

**VEU****valve Parbarb elbow** fractional inch barb to barb

ID in	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	PBPP4VEU4	.31	2.13	1.57	2.32	1.40	.15
3/8	PBPP6VEU6	.43	2.13	1.60	2.32	1.40	.25
1/2	PBPP8VEU8	.55	2.13	1.60	2.32	1.40	.25

**VUC****valve union connector** fractional inch barb to barb

ID in	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	PBPP4VUC4	.31	2.91	1.60	1.42	.50	.15
3/8	PBPP6VUC6	.43	2.91	1.60	1.42	.50	.19
1/2	PBPP8VUC8	.55	2.91	1.60	1.42	.50	.25

**VUCPB****valve union connector** fractional inch tube to barb

ID in	Tube ØD in	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	1/4	LFPP4VUCPB4	.31	2.40	1.08	1.42	.50	.15
3/8	3/8	LFPP6VUCPB6	.43	2.63	1.32	1.42	.50	.19



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Cartridges

LF3000®

LIQUIfit®

LF3600 Nickel-Plated Brass

LF3800 Stainless Steel

TrueSeal™ Cartridge Insert





Cartridges



Parker Legris has developed a range of cartridges guaranteeing the integrity of the sealing system before and after assembly in non-threaded cavities. The compact design of the one-piece cartridges enables automation of your manufacturing process and improves the reliability of your system.

Product Features:

- Self-centering of the cartridge in the cavity
- Push-to-Connect
- Designed for automation assembly process
- Automatic seal, full flow
- Silicone-Free

Markets:

- Industrial
- Pneumatic
- Filtration
- Semi-Conductor
- Life Science
- Automation

Applications:

- Air
- Water
- Beverage Dispensing
- Cab Controls
- Packaging
- Labeling

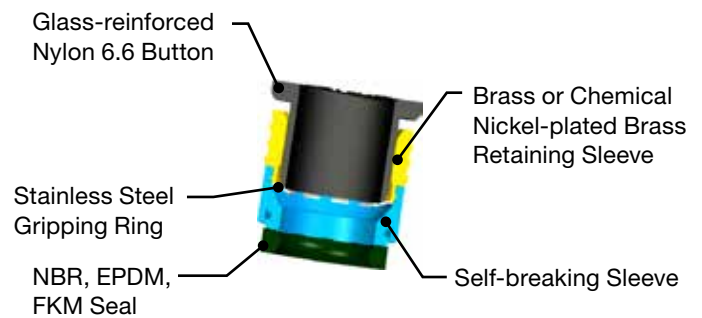
Specifications:

	Pressure	Temperature
LF3000	Up to 290 PSI (20 bar)	-4° to +175° F (-20° to +79° C)
LIQUIfit	Up to 230 PSI (16 bar)	+35° to +200° F (+1° to +93° C)
LF3600 Nickel-plated Brass	Up to 435 PSI (30 bar)	-4° to +302° F (-20° to +150° C)
LF3800 Stainless Steel	Up to 435 PSI (30 bar)	-4° to +302° F (-20° to +150° C)
TrueSeal	Up to 150 PSI (10 bar)	-20° to +180° F (-29° to +82° C)

Compatible Tubing:

- Semi-rigid nylon
- Polyurethane 95A
- Polyethylene

Component Materials



Certifications

LF3000®

ISO 14743: Pneumatic fluid power, push-to-connect fittings for thermoplastic tubes
 DI: 2002/95/CE (RoHS), 2011/65/CE
 DI: 97/23/CE (PED)

LIQUIfit®

RG: 1935/2004/CE
 FDA: 21 CFR 177.1550
 NSF 51
 ACS
 DM 174 (Italy)
 DI: 2002/95/CE (RoHS), 2011/65/CE
 DI: 97/23/CE (PED)
 WRAS
 NSF/ANSI 61 - C HOT

LF3600, LF3800

DI: 97/23/CE (PED)
 RG: 21CFR (FDA)
 RG: 1935/2004/CE (minimum flow 0.02 l/hr)
 DI: 2011/65/CE (RoHS)
 USDA NSF H1: grease
 ASTM B733-04: self-catalytic nickel coating (model 3600)
 DI: 94/9/CE (ATEX)

TrueSeal

FDA: 21 CFR 177.1550
 NSF/ANSI 51 & 61

LF3000 cartridges

3100
brass
p. C4



3100
nickel-plated
brass
p. C4



LIQUIfit cartridges

6300
brass
p. C6



all metal cartridges

3600
p. C8



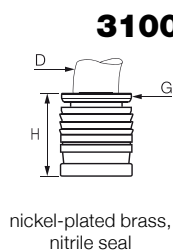
3800
p. C8



cartridge insert

TSC
p. C9

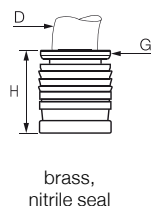




3100 | LF3000 cartridge nickel-plated brass – fractional inch, metric

ØD in, mm	Part Number	G in	G1 in	H in	L in	△oz
1/8	3100 53 00 99	.275	.394	.354	20.00	.070
5/32, 4mm	3100 04 00 99	.315	.433	.394	21.81	.035
6mm	3100 06 00 99	.393	.571	.453	24.76	.070
1/4	3100 56 00 99	.413	.571	.472	23.62	.070
5/16, 8mm	3100 08 00 99	.512	.590	.590	31.25	.106
3/8	3100 60 00 99	.610	.748	.650	36.61	.174
10mm	3100 10 00 99	.610	.768	.669	36.61	.176
12mm	3100 12 00 99	.768	.827	.768	40.87	.353

50 cartridges per Carstick®



3100 | LF3000 cartridge brass – metric, fractional inch

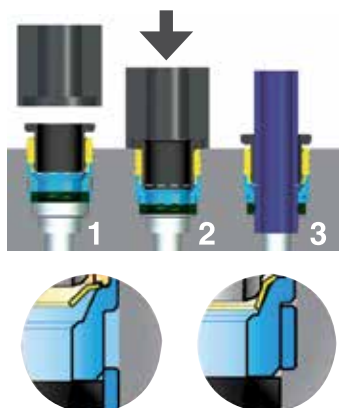
ØD mm, in	Part Number	G mm	G1 mm	H mm	L mm	△kg
4, 5/32	3100 04 00	8	11	10	554	.001
6	3100 06 00	10	14.5	11.5	629	.002
8, 5/16	3100 08 00	13	15	15	794	.002
10	3100 10 00	15.5	19.5	17	930	.005
12	3100 12 00	19.5	21	19.5	1,038	.010

50 cartridges per Carstick®



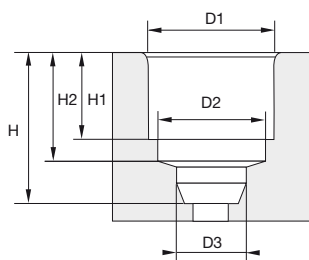
Installation

1. Self-centering of the cartridge in the cavity.
2. The seal protection is broken. The seal slides into the cavity. The cartridge is in place.
3. Tube connection.



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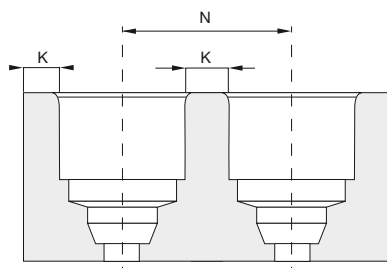
LF3000 cartridge



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

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

nylon cavity



Cavity in	ØD1 mm	ØD2 mm	N mm	K mm
1/8	7.05	6.02	8.6	1.5
5/32*	8.25	7.05	9.75	1.5
1/4	10.55	9.35	12.65	2
5/16*	12.15	10.85	14.2	2
3/8	14.8	13.1	16.8	2

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

Please consult us for detailed drawings of
cavity dimensions and tolerances.
All our dimensions are in millimeters.

aluminum cavity

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

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

brass cavity

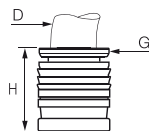
Cavity in	ØD1 mm	ØD2 mm	N mm	K mm
1/8	7.1	6.2	8.6	1.5
5/32*	8.25	7.05	10.25	2
1/4	10.6	9.35	12.65	2
5/16*	12.2	10.85	14.25	2
3/8	10.05	13.1	17.1	2

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

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



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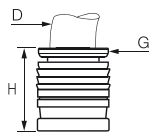


brass, EPDM seal

6300 | LIQUIfit® cartridge brass – fractional inch

ØD in	Part Number	G in	G1 in	H in	L in	△oz
5/32	6300 04 00	.315	.433	.39	21.81	.070
1/4	6300 56 00	.413	.571	.49	23.62	.070
5/16	6300 08 00	.512	.590	.59	31.25	.106
3/8	6300 60 00	.610	.748	.67	36.61	.176
1/2	6300 62 00	.768	.827	.90	40.87	.353

50 cartridges per Carstick®



brass, EPDM seal

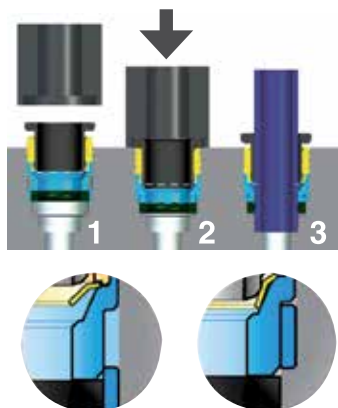
6300 | LIQUIfit® cartridge brass – metric

ØD mm	Part Number	G mm	G1 mm	H mm	L mm	△kg
4	6300 04 00	8	11	10	554	.002
6	6300 06 00	10	14.5	11.5	629	.002
8	6300 08 00	13	15	15	794	.003
10	6300 10 00	15.5	19.5	17	930	.005
12	6300 12 00	18.5	21	19.5	1,038	.010

50 cartridges per Carstick®

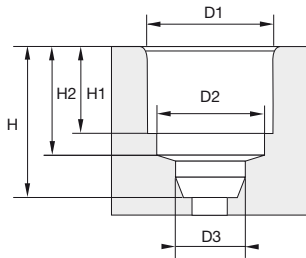
**Installation**

1. Self-centering of the cartridge in the cavity.
2. The seal protection is broken. The seal slides into the cavity. The cartridge is in place.
3. Tube connection.



WARNING: These products can expose you to chemicals including NICKEL, CARBON BLACK, TITANIUM DIOXIDE, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

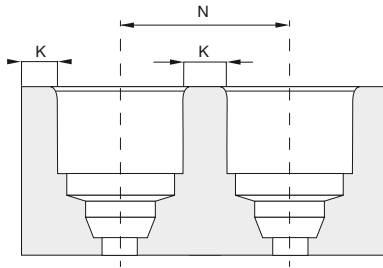
LIQUIfit® cartridge



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

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

nylon cavity



Cavity in	ØD1 mm	ØD2 mm	N mm	K mm
1/8	7.05	6.02	8.6	1.5
5/32*	8.25	7.05	9.75	1.5
1/4	10.55	9.35	12.65	2
5/16*	12.15	10.85	14.2	2
3/8	14.8	13.1	16.8	2

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

Please consult us for detailed drawings of cavity dimensions and tolerances.
All our dimensions are in millimeters.

aluminum cavity

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

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

brass cavity

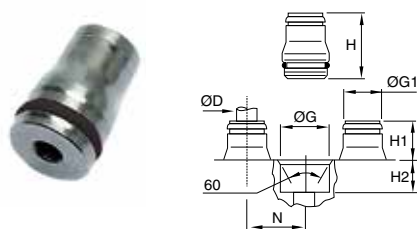
Cavity in	ØD1 mm	ØD2 mm	N mm	K mm
1/8	7.1	6.2	8.6	1.5
5/32*	8.25	7.05	10.25	2
1/4	10.6	9.35	12.65	2
5/16*	12.2	10.85	14.25	2
3/8	10.05	13.1	17.1	2

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

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



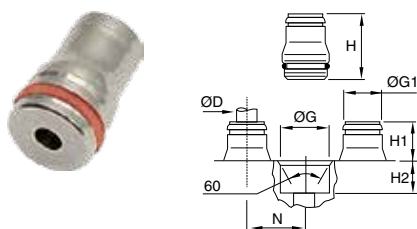
WARNING: These products can expose you to chemicals including NICKEL, CARBON BLACK, TITANIUM DIOXIDE, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



FDA chemical nickel-plated brass,
FKM seal

LF3600 cartridge FDA chemical nickel-plated brass – metric

ØD mm	Part Number	ØG mm	H1 mm	H2 mm	N mm	kg
4	3600 04 00	10	9	8.5	11	.006
6	3600 06 00	12	11	8.5	13.5	.009
8	3600 08 00	15	12.5	8.5	16	.014
10	3600 10 00	17.5	14.5	10.5	20	.020
12	3600 12 00	19.5	15	10.5	22.5	.022
14	3600 14 00	21.5	16.5	12	25.5	.032



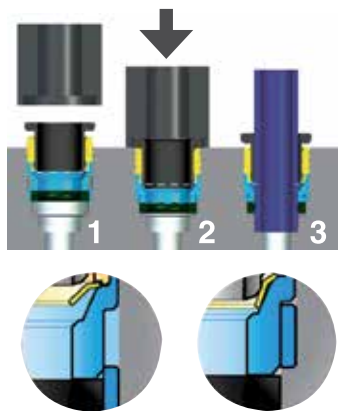
stainless steel 316L,
FKM seal

LF3800 cartridge stainless steel – metric

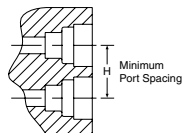
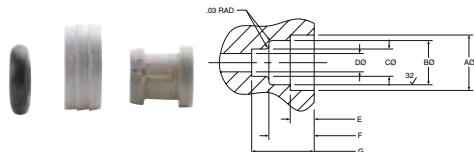
ØD mm	Part Number	ØG mm	ØG1 mm	H mm	H1 mm	H2 mm	N mm	kg
4	3800 04 00	9.8	8	18	9.5	8.5	11	.004
6	3800 06 00	12.1	10	20	11.5	8.5	13.5	.008
8	3800 08 00	14.8	13	22	13.5	8.5	16	.012
10	3800 10 00	17.5	15	25.5	15	10.5	20	.014
12	3800 12 00	20	17	26	15.5	10.5	22.5	.021

Installation

1. Self-centering of the cartridge in the cavity.
2. The seal protection is broken. The seal slides into the cavity. The cartridge is in place.
3. Tube connection.



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TSC | **TrueSeal cartridge insert** fractional inch

ØD in	Part Number	A ±002	B ±003	C ±003	D max	E ±002	F ±002	G ±002	H centerline
EPDM seal									
1/4	ATSC4-MG	.528	.421	.260	.19	.230	.435	.600	.670
3/8	ATSC6-MG	.632	.545	.385	.31	.280	.455	.705	.790
1/2	ATSC8-MG	.774	.668	.510	.41	.315	.510	.810	1.250

Parker TrueSeal™ Cartridge Inserts:

Allow you to machine or mold a tube connection into your equipment or components. By using cartridge inserts, you will reduce your material and assembly costs, reduce potential leak paths, and give your equipment a new, clean profile by eliminating the need for threaded connections. TSC Cartridge Inserts consist of 1 o-ring, 1 cartridge, and 1 collet.

*Cartridge inserts are rated at 150 PSI in ports dimensioned as above and having Noryl as the receiving material. Other materials may have different ratings and require different port dimensions. Consult the Fluid System Connectors Division when using polypropylene, unfilled polypropylene, ABS or Nylon.

Assembly Instructions:

1. Machine or mold the receiving orifice as per the above dimensions.
2. Place the cartridge insert squarely onto the prepared port opening making sure that the barbs of the cartridge are going into the hole and the lettering on the face of the cartridge is visible.
3. Using a rubber mallet or press, insert the cartridge into the first gland orifice until its face is flush with the top surface of the port.
4. Insert the o-ring into the cartridge and seat it evenly into the second gland orifice.
5. Insert the collet into the cartridge opening.
6. Insert tubing.



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Pneumatic: Integrated Fittings

Compact Flow Controls

Miniature Flow Controls

Swivel Outlet Flow Controls

Plug-In Flow Controls

In-Line Flow Controls

Metal Flow Controls

Stainless Steel Flow Controls

Blocking Valves

Piloted Operated Check Valves

In-Line Check Valves

Stainless Steel Check Valves

Slow Start Valves

Threshold Sensor Fittings

Pressure Regulators

Manually Operated Valves

Pneumatic Slide Valves

Quick Exhaust Valves



Flow Control Valves

p. D9

**Function:** controls the speed of the cylinder rod**Materials:** glass reinforced nylon 6.6 body, metal, stainless steel**Pressure:** 15 to 145 psi (up to 10 bar)**Temperature:** 32° to 158° F (0° to 70° C)
metal version: -13° to 158° F (-25° to 70° C)**Threads:** NPT, BSPT, BSPP, Metric**Blocking Valves**

p. D28

**Function:** provides safety by locking the cylinder piston**Materials:** nickel-plated brass**Pressure:** 15 to 145 psi (up to 10 bar)**Temperature:** -4° to 158° F (-20° to 70° C)**Threads:** NPT, BSPT, BSPP**Piloted Operated Check Valves**

p. D30

**Function:** provides safety by locking the cylinder piston**Materials:** glass reinforced nylon 6.6 body, nickel-plated brass**Pressure:** 15 to 145 psi (up to 10 bar)**Temperature:** 23° to 140° F (-5° to 60° C)**Threads:** BSPP**Check Valves**

p. D32

**Function:** allows air to pass in one direction only**Materials:** glass reinforced nylon 6.6 body, nickel-plated brass**Pressure:** 15 to 145 psi (up to 10 bar)**Temperature:** 32° to 158° F (0° to 70° C)**Threads:** NPT, BSPT, BSPP**Stainless Steel Check Valves**

p. D34

**Function:** allows fluid to pass in one direction only**Materials:** stainless steel**Temperature:** -4° to 356° F (-20° to 180° C)**DN** : 10 mm to 25 mm**Threads:** NPT, BSPP**Slow Start Valves**

p. D36

**Function:** protects the installation at start-up**Materials:** glass reinforced nylon 6.6 body, nickel-plated brass**Pressure:** 145psi (10 bar)**Temperature:** 5° to 140° F (-15° to 60° C)**Threads:** NPT, BSPP**Threshold Fittings**

p. D42

**Function:** pneumatic or electric output signal, detects end of cylinder rod stroke**Materials:** glass reinforced nylon 6.6 body, treated metal**Pressure:** 45 to 115 psi (8 bar)**Temperature:** 5° to 140° F (-15° to 60° C)**Threads:** NPT, BSPP, Metric

Pressure Regulators

p. D45



Function: stabilize the maximum pressure delivered to pneumatic equipment

Materials: glass reinforced nylon 6.6 body, nickel-plated brass

Pressure: upstream 230 psi (16 bar), downstream 116 psi (8 bar)

Temperature: 15° to 160° F (-26° to 71° C)

Ø metric: 4 mm to 10 mm

Threads: NPT, BSPP

Manually-Operated Valves

p. D47



Function: opens/closes a circuit, with or without venting

Materials: glass reinforced nylon 6.6, nickel-plated brass, aluminum

Pressure: 230 psi (16 bar) for models 7805/06, 7800/01

Temperature: 15° to 175° F

-40° to 250° F models 0661/60/69

Ø metric: 4 mm to 10 mm

Threads: NPT, BSPP

Metal Quick Exhaust Valves

p. D51



Function: increases the return speed of the cylinder

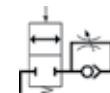
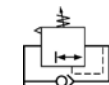
Materials: nickel-plated brass

Pressure: 10 to 150 psi (10 bar)

Temperature: 0° to 160° F (-20° to 70° C)

Threads: NPT

Protect Your System	Blocking Valves	Maintain the load following an emergency stop of a pneumatic system.	Models 7885, 7880, 7886, 7881
	Slow Valves	Increase the pressure gradually in order to protect it from potentially damaging shock when a pneumatic system is restarted.	Models 7864, 7861, 7860, 7874, 7871, 7870
	Check Valves	Allow compressed air or fluids to flow in one direction, and prevent it from flowing in the other. If the supply is accidentally shut off, the air can only escape in one direction.	Models 7996, 7984, 7994, 7985, 7995, 7984, VC, 4895, 4890, 4891, 4892
	Piloted Non-Return Valves	Incorporate three functions into one product to protect your system: piloted non-return valve, flow control regulator and manual vent.	Models 7892, 7894
Detect End of Cylinder Rod Stroke	Pneumatic Sensor Fittings	Detect the back pressure drop at the end of stroke to produce a signal (pneumatic or electronic) to allow reciprocation.	Models 7808, 7818, 7828, 7829
Control and Improve the Performance of Your System	Pressure Regulators	Regulate and stabilise the pressure at a maximum determined value whatever the upstream pressure.	Models 7305, 7300
	Quick Exhaust Valves	Increase the return speed of the cylinder by discharging the exhaust directly to atmosphere.	Models 7982
Working on Your System	Manually-Operated Valves	Allow for repeated venting by simply moving the valve sleeve or the manually-operated valve lever.	Models 0661, 0660, 7805, 7806, 7800, 0669, 7801

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

The comprehensive range of Parker Legris flow controls provide a solution for all flow regulation functions in a pneumatic system.

Select the model suited to your application according to:

5 Key Requirements

- Condition of Use**
 - Standard** applications
Glass reinforced **Nylon 6.6** models
 - Severe** applications
Metal models
- Connection Options**
 - On **cylinder** or **threaded control valve**
Models with **NPT, BSPT, BSPP** and **Metric threads**
 - On **cylinder** or **control valve with push-in connection**
Plug-in models
- Dimensions**
 - Standard applications** require full flow rate performance and compact overall dimensions
Compact models
 - Small diameter cylinders** require precise and accurate adjustment and minimum size
Miniature models
- Type of Adjustment**
 - Precise** adjustment with locking nut ensuring the setting remains **fixed**
Models with **external adjustment**
 - Precise** adjustment with **screwdriver** and **protection** against unwanted adjustment
Models with **recessed adjustment**
- Installation Configuration**
 - Standard applications**
Banjo models
 - Tube output** that can be positioned through 180° and swivels with the tube movement
Models with **swivel outlet**
 - Cylinder where access is difficult** or where another function fitting is installed in the cylinder port
In-line models

flow controls – nylon**7065**
compact
p. D10**7060**
compact
p. D10**7067**
compact
p. D11**7062**
compact
p. D11**7066**
compact
p. D11**7061**
compact
p. D11**7015/7016**
knobless
p. D12**7010/7011**
knobless
p. D12-D13**7012**
knobless
p. D13**7665/7668**
miniature
p. D15**7660/7669**
miniature
p. D15**7665/7668**
miniature
p. D15**7660/69/62**
miniature
p. D16**7625**
knobless mini
p. D16**7620**
knobless mini
p. D16**7045**
compact swivel outlet
p. D18**7640/7645**
mini swivel outlet
p. D18**7040/7041**
compact swivel
outlet
p. D18**7640/7649**
mini swivel outlet
p. D18**7630/7631**
plug-in mini
p. D20**7030/7031**
plug-in compact
p. D20**7770/7772**
in-line
p. D22**7776**
in-line
p. D22**7775**
in-line
p. D23**7771**
in-line
p. D23**flow controls – metal****7105**
p. D25**7100/7101**
p. D25**7115**
p. D25**7110/7111**
p. D25**7160**
p. D25**7835**
p. D27**7810/7812**
7815/7817
p. D27**7810/7812**
p. D27**blocking valves****7885**
p. D29**7880**
p. D29**7886**
p. D29**7881**
p. D29**piloted operated check valves****7892**
p. D31**7894**
p. D31

check valves

7996

p. D33


7984/94/85/95

p. D33


7985/7995

p. D33


7984/7994

p. D33


VC

p. D33


4895

p. D35


4890

p. D35


4891

p. D35


4892

p. D35



slow start valves

7864/7861

p. D40


7860

p. D40


7874/7871

p. D41


7870

p. D41



threshold sensors

7808

p. D43


7818

p. D43


7828/7829

p. D44


7828

p. D44



pressure regulator fittings

7305

p. D46


7300

p. D46



manually operated 3-way venting valves

7805/7806

p. D48


7800/7801

p. D48



pneumatic slide valves

0661

male/female
p. D50

0660/0669

double female
p. D50


quick exhaust valve

7982

p. D52



Compact Flow Controls



Parker Legris' compact flow controls ensure excellent performance of flow and are perfectly suited for reduced spaces due to their small size.

Product Features:

- Glass-reinforced nylon 6.6 body
- Stainless steel gripping ring
- Nickel-plated brass adjustment screw
- Nickel-plated brass locking nut
- Nickel-plated brass threads
- Nitrile D-Seal
- Silicone-Free

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water and Beverage
- Petrochemical

Applications:

- Packaging
- Filling
- Dispensing
- Bottling
- Pneumatic Circuits

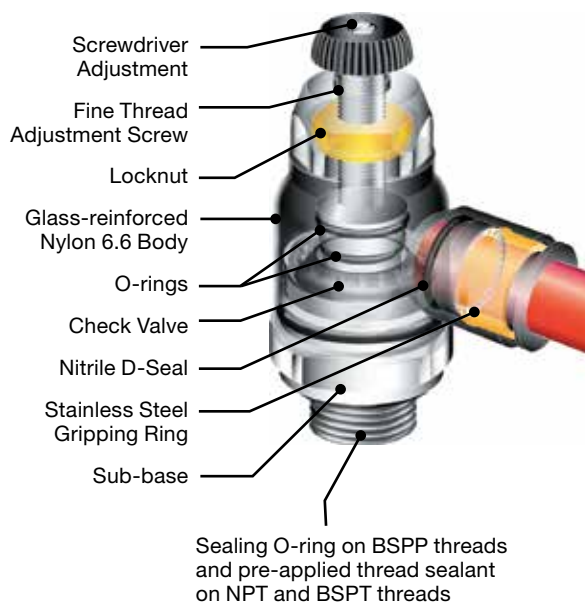
Specifications:

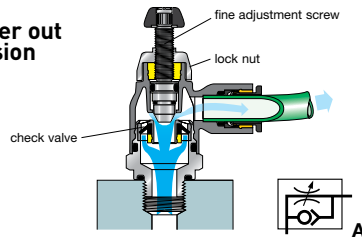
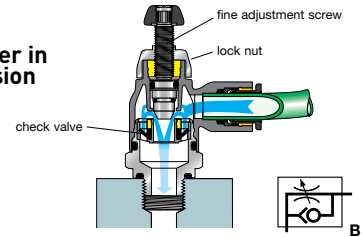
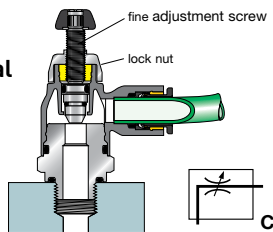
Pressure Range 14.5 to 145 psi (1-10 bar)

Temperature Range 32° to 158° F (0° to 70° C)

Compatible Tubing:

- Semi-Rigid Nylon
- Polyurethane 95 Durometer Shore A
- Fluoropolymer



**meter out
version****meter in
version****bi-directional
version****Compact Type**

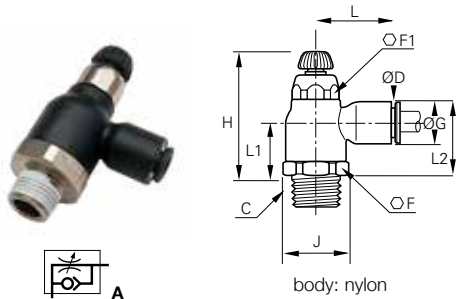
Manufactured with robust materials, compact flow control regulators ensure excellent performance of flow and are perfectly suited for reduced spaces due to their small size.

The sensitivity of the adjustment screw provides very precise air flow control and regulation. A locking nut guarantees stability of adjustment against vibration tampering of the flow setting. The adjustment screw and locking nut have been designed for easy manipulation, by hand. Adjustment can be made with a screwdriver and locking by use of a wrench.

Quick Identification of Legris Flow Control Regulators

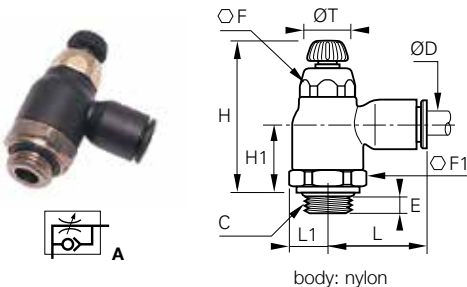
To assist differentiation, each version is identified by the corresponding pneumatic symbol and a letter:

- **one-way** adjustment
 - **meter out** version: letter **A**
 - **meter in** version: letter **B**
- **bi-directional** adjustment: letter **C**

7065 compact meter out flow control tube to NPT or BSPT

ØD in	C NPT	Part Number fractional inch	F in	F1 in	G in	H Min in	H Max in	J in	L in	L1 in	L2 in	kg
5/32	1/8	7065 04 11	.63	.39	.43	1.44	1.67	.69	.85	.59	.79	.79
5/32	1/4	7065 04 14	.63	.39	.43	1.44	1.67	.69	.85	.59	.79	.79
1/4	1/8	7065 56 11	.63	.39	.43	1.44	1.67	.69	.85	.59	.79	.79
1/4	1/4	7065 56 14	.63	.39	.43	1.44	1.67	.69	.85	.59	.79	.97
3/8	1/4	7065 60 14	.91	.67	.63	1.71	2.03	.98	1.22	.71	1.02	2.15
3/8	3/8	7065 60 18	.91	.67	.63	1.71	2.03	.98	1.22	.71	1.02	2.22
3/8	1/2	7065 60 22	.91	.67	.63	1.71	2.03	.98	1.22	.71	1.02	2.22
1/2	1/2	7065 62 22	.91	.67	.63	1.71	2.03	.98	1.22	.71	1.02	2.22

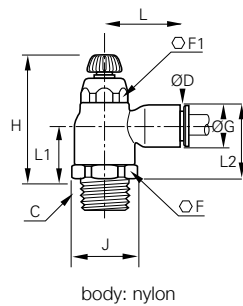
mm	BSPT	metric	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
6	R1/8	7065 06 10	16	10	11	36.5	42.5	17.5	22	15	20	.021
8	R1/8	7065 08 10	19	14	13.5	40	45	21	27	16.5	23.5	.035
8	R1/4	7065 08 13	19	14	13.5	40	45	21	27	16.5	23.5	.037
10	R1/4	7065 10 13	23	17	16	43.5	51.5	25	31.5	18	26	.057
10	R3/8	7065 10 17	23	17	16	43.5	51.5	25	31.5	18	26	.059
10	R1/2	7065 10 21	23	17	16	43.5	51.5	25	31.5	18	26	.060
12	R1/4	7065 12 13	23	17	19	43.5	51.5	25	35	18	27.5	.063
12	R3/8	7065 12 17	23	17	19	43.5	51.5	25	35	18	27.5	.063
12	R1/2	7065 12 21	23	17	19	43.5	51.5	25	35	18	27.5	.065

7060 compact meter out flow control metric tube to BSPP

ØD mm	C BSPP	Part Number	E mm	F mm	F1 mm	H Min mm	H Max mm	H1 mm	L mm	L1 mm	T mm	kg
4	G1/8	7060 04 10	5	10	16	38	44	16	22	9	10	.021
6	G1/8	7060 06 10	5	10	16	38	44	16	22	9	10	.021
6	G1/4	7060 06 13	5.5	10	16	36.5	42.5	15	22	9	10	.021
8	G1/8	7060 08 10	4.5	14	19	41.5	48	18	28	10.5	12	.035
8	G1/4	7060 08 13	5.5	14	19	41.5	48	18.5	28	10.5	12	.037
8	G3/8	7060 08 17	5.5	14	19	41.5	48	17	28	11	12	.037
10	G1/4	7060 10 13	5.5	17	23	45.5	53.5	20	31.5	12.5	17	.057
10	G3/8	7060 10 17	5.5	17	23	45.5	54	20	31.5	12.5	17	.059
12	G3/8	7060 12 17	5.5	17	23	45.5	54	20	35	12.5	17	.063
12	G1/2	7060 12 21	7.5	17	24	45.5	54	20	35	13	17	.065

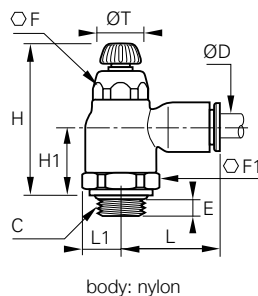


WARNING: These products can expose you to chemicals including NICKEL, CARBON BLACK, TITANIUM DIOXIDE, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

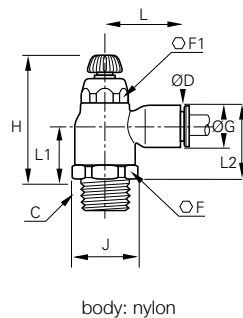
7067 compact bi-directional flow control tube to NPT or BSPT

ØD in	C NPT	Part Number fractional inch	F in	F1 in	G in	H min in	H max in	J in	L in	L1 in	L2 in	oz
5/32	1/8	7067 04 11	.63	.39	.43	1.44	1.67	.69	.85	.59	.79	.79
1/4	1/8	7067 56 11	.63	.39	.43	1.44	1.67	.69	.85	.59	.79	.79
1/4	1/4	7067 56 14	.63	.39	.43	1.44	1.67	.69	.85	.59	.79	.79

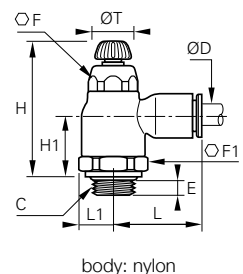
ØD mm	C BSPT	Part Number metric	F mm	F1 mm	G mm	H min mm	H max mm	J mm	L mm	L1 mm	L2 mm	kg
4	R1/8	7067 04 10	16	10	11	36.5	42.5	17.5	22	14.7	20.5	.021
6	R1/8	7067 06 10	16	10	11	36.5	42.5	17.5	22	14.7	20.5	.021
6	R1/4	7067 06 13	16	10	11	36.5	42.5	17.5	22	14.7	20.5	.021
8	R1/8	7067 08 10	19	14	13.5	40	45	21	27	16.5	23.5	.035
8	R1/4	7067 08 13	19	14	13.5	40	45	21	27	16.5	23.5	.037
8	R3/8	7067 08 17	19	14	13.5	40	45	22	27	16.5	23.5	.037

7062 compact bi-directional flow control metric tube to BSPP

ØD mm	C BSPP	Part Number	E mm	F mm	F1 mm	H min mm	H max mm	H1 mm	L mm	L1 mm	T mm	kg
4	G1/8	7062 04 10	5	10	16	38	44	16	22	9	10	.021
6	G1/8	7062 06 10	5	10	16	38	44	16	22	9	10	.021
6	G1/4	7062 06 13	5.5	10	16	36.5	42.5	15	22	9	10	.021
8	G1/8	7062 08 10	4.5	14	19	41.5	48	18	28	10.5	12	.035
8	G1/4	7062 08 13	5.5	14	19	41.5	48	18.5	28	10.5	12	.037
8	G3/8	7062 08 17	5.5	14	19	41.5	48	17	28	11	12	.037

7066 compact meter in flow control tube to NPT or BSPT

ØD in	C NPT	Part Number fractional inch	F in	F1 in	G in	H Min in	H Max in	J in	L in	L1 in	L2 in	oz
5/32	1/8	7066 04 11	.63	.39	.43	1.44	1.67	.69	.85	.59	.79	.79
5/32	1/4	7066 04 14	.63	.39	.43	1.44	1.67	.69	.85	.59	.79	.79
1/4	1/8	7066 56 11	.63	.39	.43	1.44	1.67	.69	.85	.59	.79	.79
1/4	1/4	7066 56 14	.63	.39	.43	1.44	1.67	.69	.85	.59	.79	.97
3/8	1/4	7066 60 14	.91	.67	.63	1.71	2.03	.98	1.22	.71	1.02	2.15
3/8	3/8	7066 60 18	.91	.67	.63	1.71	2.03	.98	1.22	.71	1.02	2.22

7061 compact meter in flow control metric tube to BSPP

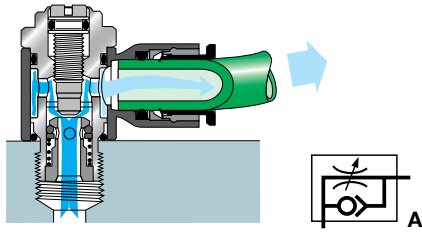
ØD mm	C BSPP	Part Number	E mm	F mm	F1 mm	H Min mm	H Max mm	H1 mm	L mm	L1 mm	T mm	kg
4	G1/8	7061 04 10	5	10	16	38	44	16	22	9	10	.021
6	G1/8	7061 06 10	5	10	16	38	44	16	22	9	10	.021
6	G1/4	7061 06 13	5.5	10	16	36.5	42.5	15	22	9	10	.021
8	G1/8	7061 08 10	4.5	14	19	41.5	48	18	28	10.5	12	.035
8	G1/4	7061 08 13	5.5	14	19	41.5	48	18.5	28	10.5	12	.037
8	G3/8	7061 08 17	5.5	14	19	41.5	48	17	28	11	12	.037
10	G1/4	7061 10 13	5.5	17	23	45.5	53.5	20	31.5	12.5	17	.057
10	G3/8	7061 10 17	5.5	17	23	45.5	54	20	31.5	12.5	17	.059
12	G1/2	7061 12 21	7.5	17	24	45.5	54	20	35	13	17	.065



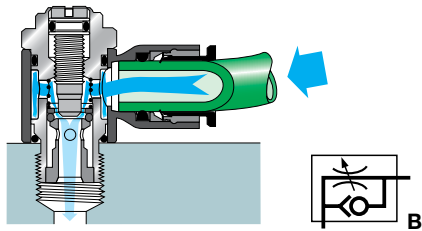
WARNING: These products can expose you to chemicals including NICKEL, CARBON BLACK, TITANIUM DIOXIDE, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Knobless

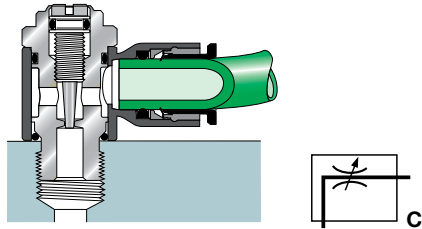
meter out
version



meter in
version



bi-directional
adjustment



The recessed adjustment screw reduces external dimensions thus allowing use in reduced spaces and on small cylinders.

In addition, the recessed screw provides security and helps to prevent unwanted adjustment.

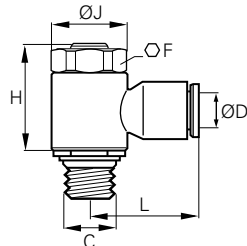
maximum tightening torque of models with recessed screw	Threads	M5 or 10/32	1/8	1/4	3/8	1/2
	in. lb	8	35	40	50	58

Quick Identification of Legris Flow Control Regulators

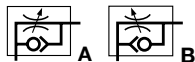
To assist differentiation, each version is identified by the corresponding pneumatic symbol and a letter:

- **one-way** adjustment
 - **meter out** version: letter **A**
 - **meter in** version: letter **B**
- **bi-directional** adjustment: letter **C**

7015/7016 | knobless compact flow control fractional inch tube to NPT

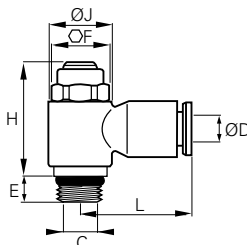


body: nylon



ØD in	C NPT	Part Number meter out	Part Number meter in	F mm	H in	J in	L in	oz
1/8	1/8	7015 53 11	–	13	.79	.55	.75	.60
5/32	1/8	7015 04 11	7016 04 11	13	.79	.55	.75	.60
1/4	1/8	7015 56 11	7016 56 11	13	.79	.55	.85	.67
1/4	1/4	7015 56 14	–	17	1.04	.75	.89	1.20
5/16	1/8	7015 08 11	–	13	.79	.55	1.02	.71
5/16	1/4	7015 08 14	–	17	1.04	.75	1.06	1.23
3/8	1/4	7015 60 14	–	17	1.04	.75	1.14	1.34
3/8	3/8	7015 60 18	–	20	1.14	.89	1.36	1.52

7010/7011 | knobless compact flow control fractional inch tube to UNF



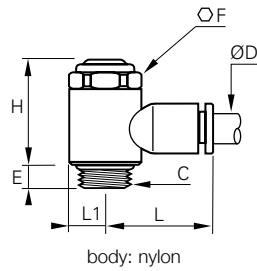
body: nylon



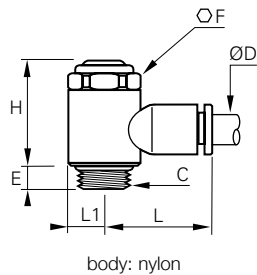
ØD in	C UNF	Part Number meter out	Part Number meter in	E in	F mm	H in	J in	L in	oz
1/8	10-32	7010 53 20	–	.16	8	.69	.37	.65	.25
5/32	10-32	7010 04 20	7011 04 20	.16	8	.69	.37	.65	.25
1/4	10-32	7010 56 20	–	.16	8	.69	.37	.77	.60



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7010/7011 | knobless compact flow control metric tube to BSPP or M5

ØD mm	C BSPP/M5	Part Number meter out	Part Number meter in	E in	F mm	H in	L in	L1 in	kg
4	M5x0.8	7010 04 19	7011 04 19	4	8	17.5	17	5	.007
4	G1/8	7010 04 10	7011 04 10	5	13	25	19	7	.017
6	M5x0.8	7010 06 19	7011 06 19	4	8	17.5	19	5	.017
6	G1/8	7010 06 10	7011 06 10	5	13	25	21	7	.019
6	G1/4	7010 06 13	7011 06 13	8	17	26.5	22	9.5	.034
8	G1/8	7010 08 10	7011 08 10	5	13	25	26	7	.020
8	G1/4	7010 08 13	7011 08 13	8	17	26.5	27	9.5	.035
8	G3/8	7010 08 17	7011 08 17	7.5	20	37.5	29	11.2	.042
10	G1/4	7010 10 13	7011 10 13	8	17	26.5	29	9.5	.038
10	G3/8	7010 10 17	7011 10 17	7.5	20	37.5	31	11.2	.043
10	G1/2	7010 10 21	-	8	23	43	37	13.5	.117
12	G3/8	7010 12 17	-	7.5	20	37.5	34.5	11.2	.045
12	G1/2	7010 12 21	-	8	23	43	37	13.5	.111

7012 | knobless bi-directional flow control metric tube to BSPP or M5

ØD mm	C BSPP/M5	Part Number bi-directional	E mm	F mm	H mm	L mm	L1 mm	kg
4	M5x0.8	7012 04 19	4	8	17.5	17	5	.007
4	G1/8	7012 04 10	5	13	25	19	7	.017
6	M5x0.8	7012 06 19	4	8	17.5	19	5	.017
6	G1/8	7012 06 10	5	13	25	21	7	.019
6	G1/4	7012 06 13	8	17	26.5	22	9.5	.034
8	G1/8	7012 08 10	5	13	25	26	7	.020
8	G1/4	7012 08 13	8	17	26.5	27	9.5	.035
8	G3/8	7012 08 17	7.5	20	37.5	29	11.2	.042



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Miniature Flow Controls

Parker Legris' miniature flow controls ensure excellent performance of flow and are perfectly suited for reduced spaces due to their small size.

Product Features:

- Glass-reinforced nylon 6.6 body
- Stainless steel gripping ring
- Nickel-plated brass adjustment screw
- Nickel-plated brass locking nut
- Nickel-plated brass threads
- Nitrile D-seal
- Silicone Free

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water and Beverage
- Petrochemical

Applications:

- Packaging
- Filling
- Dispensing
- Bottling
- Pneumatic Circuits

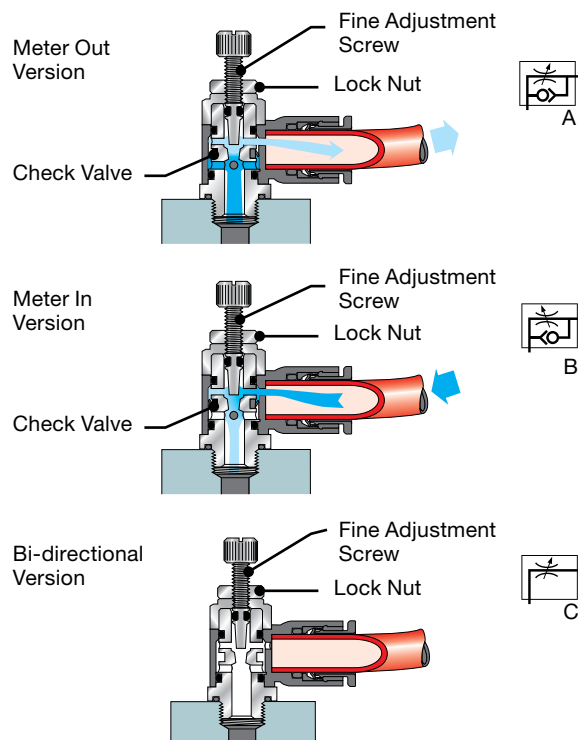
Specifications:

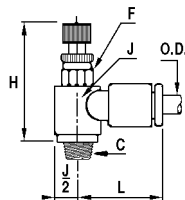
Pressure Range 14.5 to 145 psi (1 to 10 bar)

Temperature Range 30° to 158° F (-1° to 70° C)

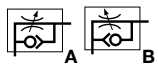
Compatible Tubing:

- Semi-Rigid Nylon
- Polyurethane 95 Durometer Shore A
- Fluoropolymer

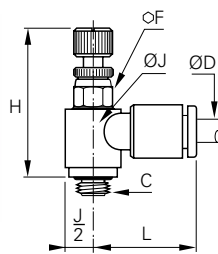


7665/7668 | **miniature flow control** fractional inch tube to NPT

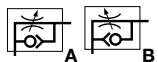
body: nylon



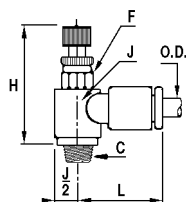
ØD in	C NPT	Part Number meter out	Part Number meter in	F mm	H min in	H1 max in	J in	L in	oz
1/8	1/8	7665 53 11	–	7	1.26	1.41	.45	.69	.42
5/32	1/8	7665 04 11	7668 04 11	7	1.06	1.16	.45	.71	.46
1/4	1/8	7665 56 11	7668 56 11	7	1.06	1.16	.45	.75	.64
1/4	1/4	7665 56 14	7668 56 14	8	1.18	1.28	.47	.77	.79

7660/7669 | **miniature flow control** fractional inch tube to UNF

body: nylon



ØD in	C UNF	Part Number meter out	Part Number meter in	F mm	H min in	H1 max in	J in	L in	oz
1/8	10-32	7660 53 20	7669 53 20	6	.91	1.14	.35	.67	.23
5/32	10-32	7660 04 20	7669 04 20	6	.93	1.02	.35	.67	.23
1/4	10-32	7660 56 20	7669 56 20	6	.93	1.02	.35	.73	.25

7665/7668 | **miniature flow control** metric tube to BSPT

body: nylon

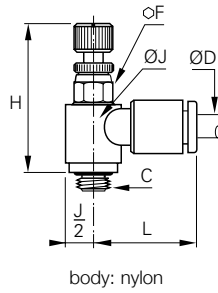


ØD mm	C BSPT	Part Number meter out	Part Number meter in	F mm	H min mm	H1 max mm	J mm	L mm	oz
4	R1/8	7665 04 10	7668 04 10	7	25	27.5	11.5	18	.46
6	R1/8	7665 06 10	7668 06 10	7	25	27.5	11.5	18.5	.64
6	R1/4	7665 06 13	7668 06 13	8	27.5	30	13.5	19	.79
6	R3/8	7665 06 17*	–	17	31.5	34	13.5	19	.85
8	R1/8	7665 08 10	7668 08 10	13	28.5	33	14	26	.90
8	R1/4	7665 08 13	7668 08 13	16	31	35	19	27.5	.93
8	R3/8	7665 08 17	–	20	36	42	23	29	.95

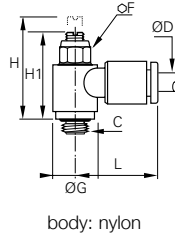
* on the 7665 06 17 the hex is right above the threads.



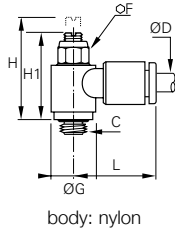
WARNING: These products can expose you to chemicals including NICKEL, CARBON BLACK, TITANIUM DIOXIDE, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

7660/7669/7662
miniature flow control metric tube to BSPP or metric


ØD in	C BSPP/ metric	Part Number meter out	Part Number meter in	Part Number bi-directional	F mm	H min mm	H max mm	J mm	L mm	kg
3	M3x0.5	7660 03 09	7669 03 09	—	6	23.5	26	9	17	.008
3	M5x0.8	7660 03 19	7669 03 19	—	6	23.5	26	9	17	.008
4	M3x0.5	7660 04 09	—	—	6	23.5	26	9	16.5	.007
4	M5x0.8	7660 04 19	7669 04 19	7662 04 19	6	23.5	26	9	17	.008
4	G1/8	7660 04 10	7669 04 10	7662 04 10	7	27	29.5	11.5	18	.012
6	M5x0.8	7660 06 19	7669 06 19	7662 06 19	6	23.5	26	9	18	.010
6	G1/8	7660 06 10	7669 06 10	7662 06 10	7	27	29.5	11.5	18.5	.012
6	G1/4	7660 06 13	7669 06 13	7662 06 13	8	30	32.5	12	19	.019
8	G1/8	7660 08 10	7669 08 10	—	13	26.5	31	14	26	.020
8	G1/4	7660 08 13	7669 08 13	—	16	29	34	19	27.5	.022
8	G3/8	7660 08 17	7669 08 17	—	20	36	42	23	29	.025

7625
knobless mini meter out flow control fractional inch tube to NPT


ØD in	C NPT	Part Number meter out	F mm	G in	H in	H1 in	L in	oz
1/8	1/8	7625 53 11	6	.45	.85	.71	.71	.25
5/32	1/8	7625 04 11	6	.45	.85	.71	.71	.37
1/4	1/8	7625 56 11	6	.45	.85	.71	.73	1.98
1/4	1/4	7625 56 14	6	.53	.97	.83	.73	3.23

7620
knobless mini meter out flow control fractional inch tube to UNF


ØD in	C UNF	Part Number meter out	F mm	G in	H in	H1 in	L in	oz
1/8	10-32	7620 53 20	6	.35	.79	.65	.65	.18
5/32	10-32	7620 04 20	6	.35	.79	.65	.65	.18
1/4	10-32	7620 56 20	6	.35	.79	.65	.65	.20



WARNING: These products can expose you to chemicals including NICKEL, CARBON BLACK, TITANIUM DIOXIDE, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Swivel Outlet Flow Controls



Parker Legris' swivel outlet flow controls are designed to allow a vertical or angled tube exit where access is restricted.

Product Features:

- Glass-reinforced nylon 6.6 body
- Stainless steel gripping ring
- Nickel-plated brass adjustment screw
- Nickel-plated brass locking nut
- Nickel-plated brass threads
- Nitrile D-seal
- Silicone-Free

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water and Beverage
- Petrochemical

Applications:

- Packaging
- Filling
- Dispensing
- Bottling
- Pneumatic Circuits

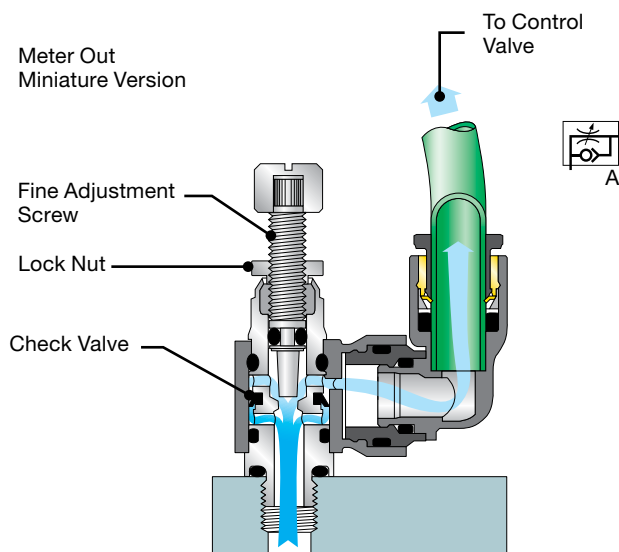
Specifications:

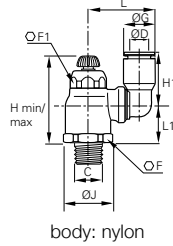
Pressure Range 14.5 to 145 psi (1 to 10 bar)

Temperature Range 32° to 158° F (0° to 70° C)

Compatible Tubing:

- Semi-Rigid Nylon
- Polyurethane 95 Durometer Shore A
- Fluoropolymer

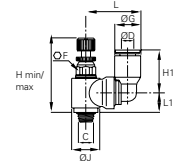


7045 | compact swivel outlet flow control tube to NPT or BSPT

body: nylon

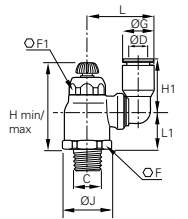
ØD in	C NPT	Part Number fractional inch/meter out	F mm	F1 mm	G in	H min in	H max in	H1 in	H2 in	L in	L1 in	kg
1/4	1/8	7045 56 11	19	10	.41	1.87	2.09	.63	.83	.93	.65	.91
1/4	1/4	7045 56 14	19	14	.43	1.79	1.99	.73	.83	1.00	.89	.91
3/8	1/4	7045 60 14	23	17	.63	1.93	2.20	1.04	.98	1.34	.97	2.19
3/8	3/8	7045 60 18	23	17	.63	1.93	2.20	1.04	.98	1.34	.97	2.29

ØD mm	C BSPT	Part Number metric/meter out	F mm	F1 mm	G mm	H min mm	H max mm	H1 mm	H2 mm	L mm	L1 mm	kg
8	R1/8	7045 08 10	19	14	13.5	40	46	23	21	28	17.5	.034
8	R3/8	7045 08 17	19	14	13.5	40	46	23	21	28	17.5	.044
10	R1/4	7045 10 13	23	17	16	43.5	51.5	26.5	25	34	19.5	.062
10	R3/8	7045 10 17	23	17	16	43.5	51.5	26.5	25	34	19.5	.065
12	R3/8	7045 12 17	23	17	19	43.5	51.5	31	25	37	19.5	.067
12	R1/2	7045 12 21	23	17	19	43.5	51.5	31	25	37	19.5	.070

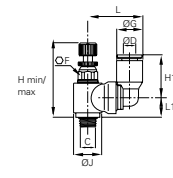
7640/7645 | miniature swivel outlet flow control tube to NPT, UNF, or BSPT

body: nylon

ØD in	C UNF/ NPT	Part Number fractional inch/ meter out	F mm	G in	H min in	H max in	H1 in	J in	L in	L1 in	kg
5/32	10-32	7640 04 20	6	.33	.96	1.08	.55	.37	.73	.26	.39
5/32	1/8	7645 04 11	8	.33	1.08	1.20	.55	.45	.73	.33	.39

7040/7041 | compact swivel outlet flow control metric tube to BSPP or M5body: nylon
brass screw with
"O" ring seal

ØD mm	C BSPP	Part Number meter out	Part Number meter in	F mm	F1 mm	G mm	H min mm	H max mm	H1 mm	J mm	L mm	L1 mm	kg
6	G1/8	7040 06 10	–	16	10	10.5	38	44	16	17.5	23.5	18	.026
6	G1/4	7040 06 13	–	16	10	10.5	36.5	42.5	16	17.5	23.5	16.5	.029
8	G1/8	7040 08 10	7041 08 10	19	14	13.5	41.5	48	23	21	28	19	.035
8	G1/4	7040 08 13	–	19	14	13.5	41.5	48	23	21	28	19.5	.039
8	G3/8	7040 08 17	–	19	14	13.5	41.5	48	23	22	28	17.5	.043
10	G1/4	7040 10 13	–	23	17	16	45.5	53.5	26.5	25	35	21	.051
10	G3/8	7040 10 17	–	23	17	16	45.5	54	26.5	25	35	21.5	.063
12	G3/8	7040 12 17	–	23	17	19	45.5	54	31	25	38	21.5	.066
12	G1/2	7040 12 21	–	24	17	19	45.5	54	31	26	38	21	.071

7640/7649 | miniature swivel outlet metric tube to BSPP or M5body: nylon
brass screw with
"O" ring seal

ØD	C	Part	Part	F	G	H	H	H1	J	L	L1	
mm	BSPP/ M5	Number meter out	Number meter in	mm	mm	mm	min mm	max mm	mm	mm	mm	
4	M5x0.8	7640 04 19	7649 04 19	6	8.5	24.5	27.5	14.5	9.5	19.5	6.5	.011
4	G1/8	7640 04 10	7649 04 10	7	8.5	27.5	31	14.5	11.5	20	8.5	.015
6	M5x0.8	7640 06 19	7649 06 19	6	10.5	24.5	27.5	16	9.5	21.5	6.5	.013
6	G1/8	7640 06 10	7649 06 10	7	10.5	27.5	31	16	11.5	22	8.5	.015



WARNING: These products can expose you to chemicals including NICKEL, CARBON BLACK, TITANIUM DIOXIDE, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Plug-In Flow Controls

Parker Legris' plug-in flow controls can be directly mounted into existing fittings and allow very compact installations. They are particularly suited for mounting in manifolds using cartridges.

Product Features:

- Glass-reinforced nylon 6.6 body
- Stainless steel gripping ring
- Nickel-plated brass adjustment screw
- Nickel-plated brass locking nut
- Nickel-plated tailpiece
- Nitrile D-seal
- Silicone-Free

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water and Beverage
- Petrochemical

Applications:

- Packaging
- Filling
- Dispensing
- Bottling
- Pneumatic Circuits

Specifications:

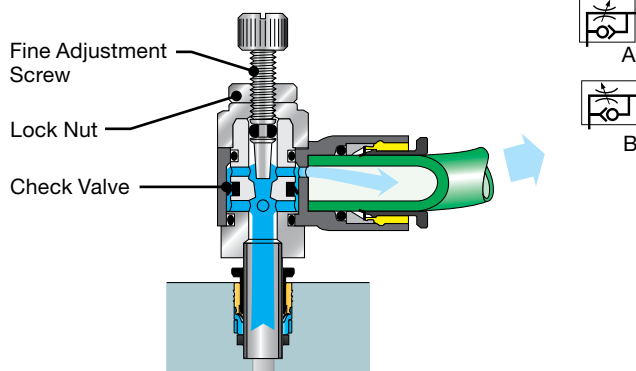
Pressure Range 14.5 to 145 psi (1 to 10 bar)

Temperature Range 32° to 158° F (0° to 70° C)

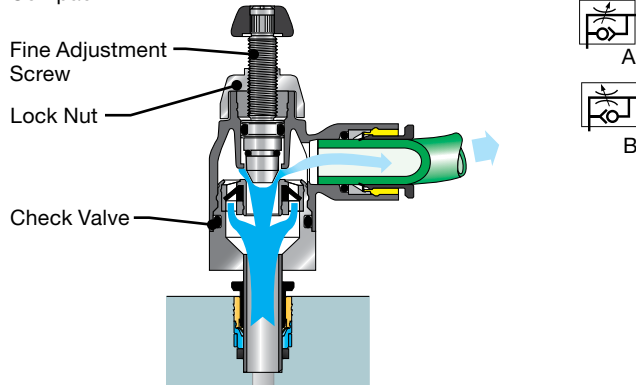
Compatible Tubing:

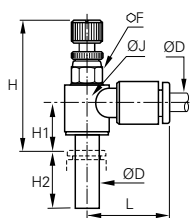
- Semi-Rigid Nylon
- Polyurethane 95 Durometer Shore A
- Fluoropolymer

Miniature



Compact

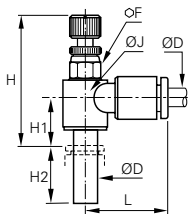


7630/7631**plug-in miniature flow control** fractional inch tube

body: nylon
tailpiece: nickel-plated brass



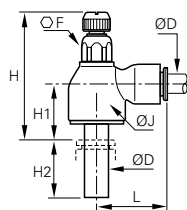
ØD in	Part Number meter out	Part Number meter in	F mm	H min in	H max in	H1 in	H2 in	L in	oz
1/8	7630 53 00	7631 53 00	6	.94	1.04	.12	.59	.67	.25
5/32	7630 04 00	7631 04 00	6	1.00	1.10	.37	.61	.67	.25
1/4	7630 56 00	7631 56 00	7	1.08	1.18	.12	.73	.73	.39

7630/7631**plug-in miniature flow control** metric tube

body: nylon
tailpiece: nickel-plated brass



ØD mm	Part Number meter out	Part Number meter in	F mm	H min mm	H max mm	H1 mm	H2 mm	J mm	L mm	kg
4	7630 04 00	7631 04 00	6	25.5	28	9.5	15.5	9	17	.007
6	7630 06 00	7631 06 00	7	27.5	29	10.5	17	11.5	18.5	.011

7030/7031**plug-in compact flow control** metric tube

body: nylon
tailpiece: nickel-plated brass



ØD mm	Part Number meter out	Part Number meter in	F mm	H min mm	H max mm	H1 mm	H2 mm	J mm	L mm	kg
6	7030 06 00	7031 06 00	10	35	41	14	17	16	22	.019
8	7030 08 00	7031 08 00	14	39.5	46.5	16	21.5	19	28	.035
10	-	7031 10 00	17	43.5	51.5	17.5	24.5	23	31.5	.055
12	7030 12 00	-	17	43	51	17	27	23	31.5	.060



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In-Line Flow Controls



In-line flow controls are unidirectional. An arrow on the body indicates the direction of controlled flow. They can be used individually or stacked together using joining clips.

Product Features:

- Glass-reinforced nylon 6.6 body
- Stainless steel gripping ring
- Nickel-plated brass adjustment screw
- Nickel-plated brass locking nut
- Nickel-plated threads
- Nitrile D-seal
- Silicone-Free

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water and Beverage
- Petrochemical

Applications:

- Packaging
- Filling
- Dispensing
- Bottling
- Pneumatic Circuits

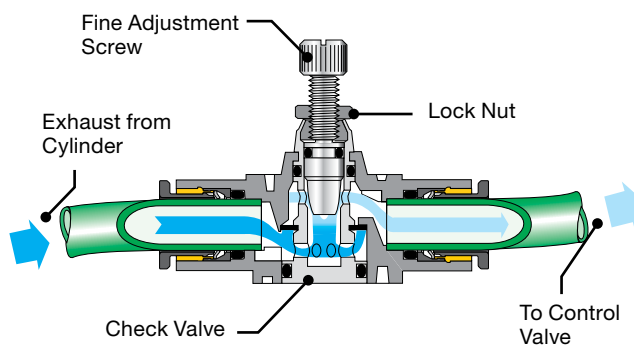
Specifications:

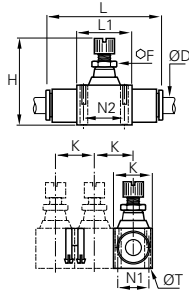
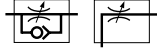
Pressure Range 14.5 to 145 psi (1 to 10 bar)

Temperature Range 32° to 158° F (0° to 70° C)

Compatible Tubing:

- Semi-Rigid Nylon
- Polyurethane 95 Durometer Shore A
- Fluoropolymer



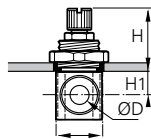
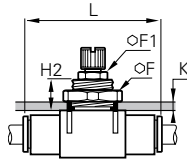
7770/7772 in-line flow control fractional inch

body: nylon

ØD	Part Number	Part Number	$\frac{DN}{in}$	F	H min	H max	K	L	L1	N1	N2	ØT	
in	one-way	bi-directional		min	mm	in	in	in	in	in	in	in	oz
5/32	7770 04 00	7772 04 00	.12	5	1.15	1.31	.47	1.41	.59	.31	.43	.09	.32
1/4	7770 56 00	7772 56 00	.16	8	1.54	1.74	.66	2.00	.90	.43	.66	.12	1.06
5/16	7770 08 00	7772 08 00	.24	11	1.73	1.97	.73	2.38	1.02	.49	.79	.13	1.66
3/8	7770 60 00	-	.31	14	2.03	2.38	.94	2.87	1.29	.62	1.01	.16	4.06
1/2	7770 62 00	-	.39	14	2.24	2.63	1.09	3.35	1.37	.78	1.07	.16	5.56

in-line flow control metric tube

ØD	Part Number	Part Number	$\frac{DN}{mm}$	F	H min	H max	K	L	L1	N1	N2	ØT	
mm	one-way	bi-directional		min	mm	mm	mm	mm	mm	mm	mm	mm	kg
4	7770 04 00	7772 04 00	3	5	29.5	33.5	12	15	12	8	11	2.2	.009
6	7770 06 00	7772 06 00	4	8	40.5	44.5	17	51	23	11	17	3.2	.024
8	7770 08 00	7772 08 00	6	11	44	50	60.5	26	18.5	12.5	20	3.2	.047
10	7770 10 00	-	8	14	52	61	76	33	24	16	26	4.2	.103
12	7770 12 00	-	10	14	57.5	67.5	86	35	28	20	27.5	4.2	.138

7776 in-line panel mountable flow control metric tube

ØT passage

body: nylon

ØD	Part Number	F	F1	H min	H max	L	
mm	one-way	mm	mm	mm	mm	mm	kg
4	7776 04 00*	14	-	21.5	25.5	36	.015
6	7776 06 00*	19	-	27.5	32.5	51	.038
8	7776 08 00	24	11	28.5	34.5	60.5	.047
10	7776 10 00	30	14	29.5	38.5	76	.103
12	7776 12 00	32	14	32	42	86	.138

fixing dimensions

ØD	Part Number	K max	H1	H2	ØT
mm		mm	mm	mm	mm
4	7776 04 00*	6	6.5	11	10.5
6	7776 06 00*	7	7.5	13.5	16.5
8	7776 08 00	7	9	13.5	18.5
10	7776 10 00	7	11.5	13.5	24.5
12	7776 12 00	8	12.5	15.5	27.5

*ultrafine adjustment

7000 joining clips for in-line flow controls and mini ball valves*

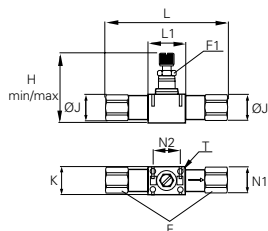
nylon

ØD	ØD	Part Number	
in	mm		oz
5/32	4	7000 00 05	.14
1/4	6	7000 00 05	.14
5/16	8	7000 00 05	.14
3/8	10	7000 00 06	.32
1/2	12	7000 00 06	.32

* Two clips are supplied with flow control.
Order additional clips using the part numbers above.



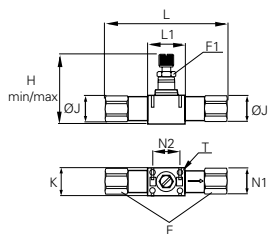
WARNING: These products can expose you to chemicals including NICKEL, CARBON BLACK, TITANIUM DIOXIDE, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

7775 | threaded in-line flow control NPT

body: nylon with
nickel-plated brass thread

NPT	Part Number	F mm	F1 mm	H min in	H max in	J in	L in	oz
1/8	7775 11 11	13	8	1.56	1.75	.55	2.70	.55
1/4	7775 14 14	16	11	1.73	1.97	.69	3.27	1.20
3/8	7775 18 18	22	14	2.05	2.40	.94	3.82	4.61
1/2	7775 22 22	24	14	2.26	2.66	1.02	4.76	5.58

NPT	Part Number	L1 in	K in	N1 in	N2 in	ØT in
1/8	7775 11 11	.91	.67	.43	.67	.12
1/4	7775 14 14	1.02	.73	.49	.79	.12
3/8	7775 18 18	1.30	.94	.63	1.02	.16
1/2	7775 22 22	1.38	1.10	.79	1.08	.16

7771 | threaded in-line flow control BSPP

body: nylon with
nickel-plated brass thread

BSPP	Part Number	F mm	F1 mm	H min mm	H max mm	J mm	L mm	kg
G1/8	7771 10 10	13	8	39.5	44.5	14	68.5	.043
G1/4	7771 13 13	16	11	44	50	17.5	83	.103
G3/8	7771 17 17	19	14	52	61	21	97	.160
G1/2	7771 21 21	24	14	57.5	67.5	26	121	.247

BSPP	Part Number	L1 mm	K mm	N1 mm	N2 mm	ØT mm
G1/8	7771 10 10	23	17	11	17	3.2
G1/4	7771 13 13	26	18.5	12.5	20	3.2
G3/8	7771 17 17	33	24	16	26	4.2
G1/2	7771 21 21	35	28	20	27.5	4.2



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Metal Flow Controls

Parker Legris' metal flow controls are suited for use in severe conditions (temperatures, sparks, abrasion, etc.). Adjustment can be made with a screwdriver and locking by use of a wrench.

Product Features:

- Treated brass body
- Stainless steel gripping ring
- Electroless nickel-plated brass adjustment screw
- Nickel-plated brass locking nut
- Nickel-plated threads
- Nitrile D-seal
- Silicone-Free

Markets:

- Factory/Process Automation
- Petrochemical
- Automotive Process

Applications:

- Robotics
- Packaging
- Textile

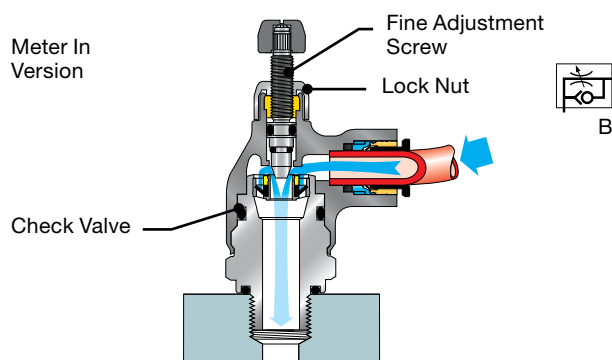
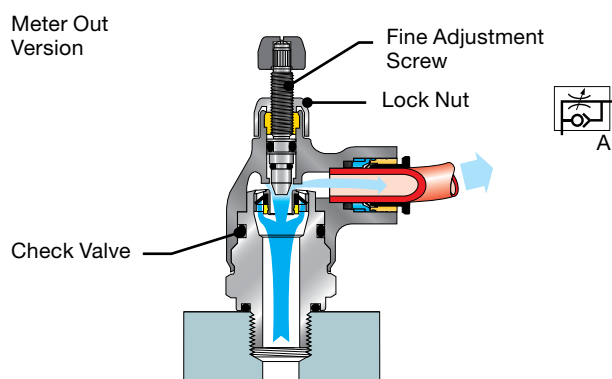
Specifications:

Pressure Range 14.5 to 145 psi (1 to 10 bar)

Temperature Range 32° to 158° F (0° to 70° C)

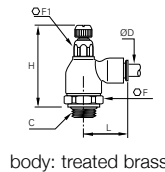
Compatible Tubing:

- Semi-Rigid Nylon
- Polyurethane 95 Durometer Shore A
- Fluoropolymer



7105 | push-to-connect meter out metal flow control

fractional inch tube to NPT

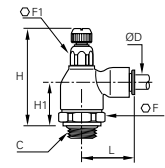


body: treated brass

ØD in	C NPT	Part Number meter out	F mm	F1 mm	H min in	H max in	L in	oz
5/32	1/8	7105 04 11	19	10	1.79	2.01	.85	2.72
1/4	1/8	7105 56 11	19	10	1.79	2.01	.97	2.82
1/4	1/4	7105 56 14	19	10	1.79	2.01	.97	2.92
3/8	1/4	7105 60 14	19	14	1.91	2.11	1.14	3.80
3/8	3/8	7105 60 18	25	17	2.15	2.40	1.40	3.90

7100/7101 | push-to-connect metal flow control

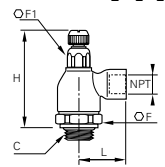
metric tube to BSPP

body: treated brass
with "O" ring seal

ØD mm	C BSPP	Part Number meter out	Part Number meter in	F mm	F1 mm	H min mm	H max mm	H1 mm	L mm	kg
4	G1/8	7100 04 10	7101 04 10	10	19	47	53	23	21	.076
6	G1/8	7100 06 10	7101 06 10	10	19	47	53	23	24.5	.077
6	G1/4	7100 06 13	7101 06 13	10	19	47.5	53	23.5	24.5	.080
8	G1/8	7100 08 10	7101 08 10	14	19	50	55	24.5	29	.090
8	G1/4	7100 08 13	7101 08 13	14	19	50	56	25	29	.101
8	G3/8	7100 08 17	7101 08 17	17	25	56	62	27	30.5	.121
10	G1/4	7100 10 13	-	14	19	50	56	25	35	.140
10	G3/8	7100 10 17	-	17	25	56	62	27	35	.161
12	G3/8	7100 12 17	-	17	25	56	62	27	38	.181
12	G1/2	7100 12 21	-	17	25	55	62	27	38	.203
14	G1/2	7100 14 21	-	17	25	55	62	27	41	.201

7115 | threaded port meter out metal flow control

NPT

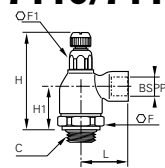


body: treated brass

C NPT	Part Number meter out	F mm	F1 mm	H min in	H max in	L in	oz
1/8	7115 11 11	19	10	1.79	2.01	.89	2.75
1/4	7115 14 14	19	14	1.91	2.11	1.28	3.90
3/8	7115 18 18	25	17	2.15	2.40	1.36	7.25
1/2	7115 22 22	25	17	2.15	2.40	1.50	7.64

7110/7111 | threaded port metal flow control

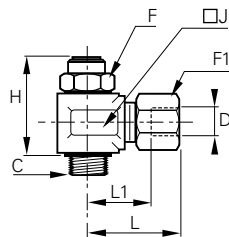
BSPP

body: treated brass
with "O" ring seal

C BSPP	Part Number meter out	Part Number meter in	F mm	F1 mm	H min mm	H max mm	H1 mm	L mm	kg
G1/8	7110 10 10	7111 10 10	10	19	47	52.5	23	22.5	.076
G1/4	7110 13 13	7111 13 13	14	19	50.5	55.5	25	32	.107
G3/8	7110 17 17	-	17	25	56	62	27	34.5	.212
G1/2	7110 21 21	-	17	25	55	62	27	37.5	.194

7160 | compression knobless meter out metal flow control

metric tube to BSPP



body: treated brass

ØD mm	C BSPP	Part Number	F mm	F1 mm	H mm	J mm	L mm	L1 mm	kg
4	G1/8	7160 04 10	13	10	26	17	25.5	14.5	.050
6	G1/8	7160 06 10	13	13	26	17	25.5	14.5	.054
8	G1/8	7160 08 10	13	14	26	17	29.5	15.5	.054
8	G1/4	7160 08 13	17	14	31.5	22	31	17	.109
10	G1/4	7160 10 13	17	19	31.5	22	35	19	.119
10	G3/8	7160 10 17	20	19	44.5	22	37.5	19	.186
10	G1/2	7160 10 21	23	19	50	27	37.5	19	.201
12	G1/2	7160 12 21	23	22	50	34	38	21.5	.212



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Stainless Steel Flow Controls



Parker Legris' stainless steel flow controls are used to regulate the speed of a cylinder rod as well as flow in environments with high mechanical or chemical constraints.

Product Features:

- Suitable for corrosive environments
- Excellent mechanical and chemical resistance
- 100% leak tested in production
- Smooth external surfaces to facilitate cleaning
- Suitable for food applications

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water and Beverage
- Petrochemical

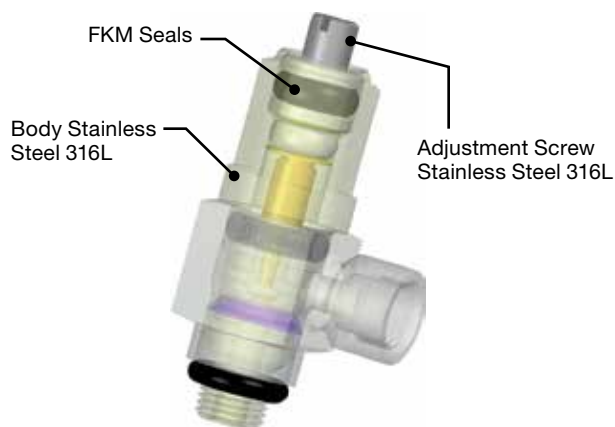
Applications:

- Packaging
- Filling
- Dispensing
- Bottling,
- Pneumatic Circuits
- Semi-Conductor

Specifications:

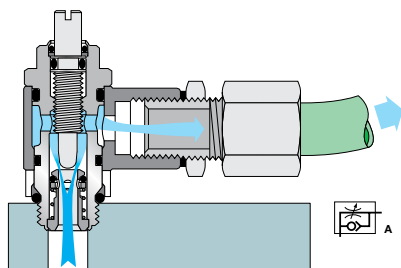
Pressure Range 14.5 to 145 psi (1 to 10 bar)

Temperature Range 32° to 158° F (0° to 70° C)

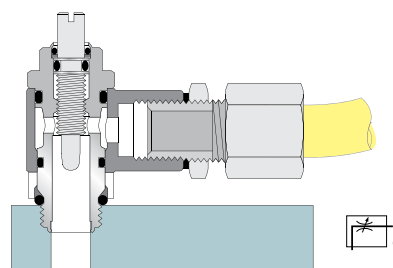


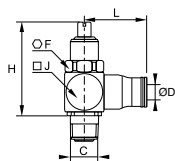
Operation

Exhaust Model with External Adjustment

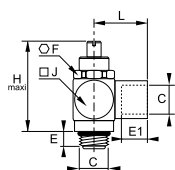


Bi-Directional Model with External Adjustment

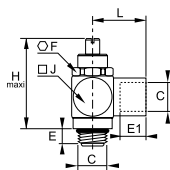


**7835****push-to-connect knobless stainless steel flow control**
fractional inch tube to NPTstainless steel body
316L

ØD in	C NPT	Part Number meter out	F mm	H in	J in	L in	
1/4	1/8	7835 56 11	13	1.30	.59	.87	1.69
1/4	1/4	7835 56 14	17	1.38	.71	.95	1.82
3/8	1/4	7835 60 14	17	1.38	.71	1.18	2.08
3/8	3/8	7835 60 18	20	1.89	.87	1.26	2.68

**7810/7815/7812/7817****threaded port knobless stainless steel flow control**
NPT/UNFstainless steel body
316L

C UNF/NPT	Part Number meter out	Part Number bi-directional	E in	E1 in	F mm	H in	J in	L in	
10-32	7810 20 20	7812 20 20	.16	.16	8	.94	.35	.43	.95
1/8	7815 11 11	7817 11 11	.20	.31	13	1.50	.59	.67	1.23
1/4	7815 14 14	-	.31	.47	17	1.38	.71	.94	1.69

**7810/7812****threaded port knobless stainless steel flow control**
BSPP/metricstainless steel body
316L

C BSPP/metric	Part Number meter out	Part Number bi-directional	E mm	F mm	G mm	H mm	L1 mm	L2 mm	
M5x0.8	7810 19 19	7812 19 19	4	4	8	24	10	11	.027
G1/8	7810 10 10	7812 10 10	5	8	13	38	15	17	.035
G1/4	7810 13 13	7812 13 13	8	12	17	40	18	24	.048
G3/8	7810 17 17	7812 17 17	7	12	20	53	22	24	.059
G1/2	7810 21 21	7812 21 21	8	15	23	69	28	31	.076



= suitable for food applications

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Blocking Valves



Parker Legris' blocking valves prevent damage to work and equipment in the event of a loss of pressure. Blocking valves which are mounted in pairs on a cylinder lock the piston by simultaneously cutting off the supply and exhaust.

Product Features:

- Treated brass body
- Stainless steel gripping ring
- Nickel-plated brass threads
- NBR seals
- Silicone-Free

Markets:

- Factory/Process Automation
- Packaging
- Petrochemical
- Automotive Process

Applications:

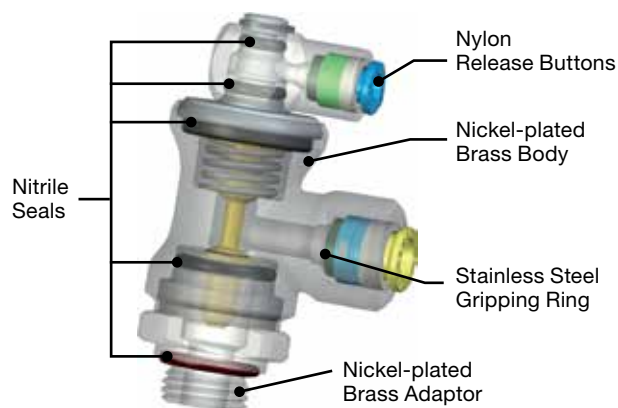
- Robotics
- Packaging
- Textile
- Machine Tools

Specifications:

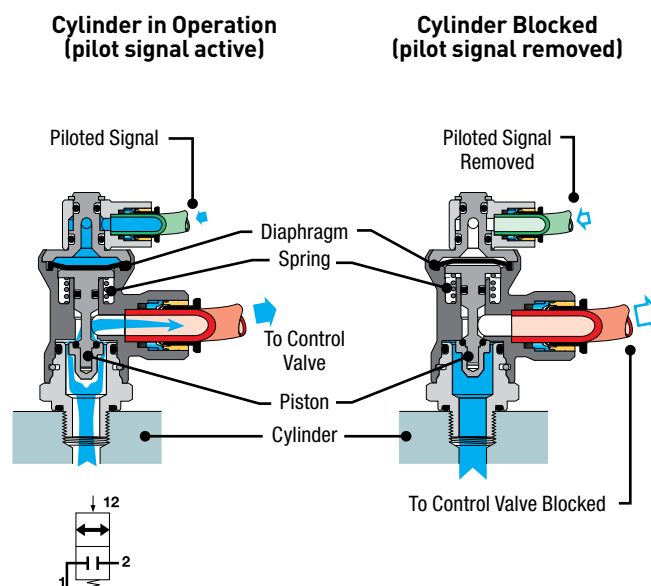
Pressure Range	14.5 to 145 psi (1 to 10 bar)
Temperature Range	-4° to 160° F (-20° to 71° C)
Leak Rate	<3.2SCCM
Number of Cycles	>10 Million at 68° F (20° C) and 1 HZ

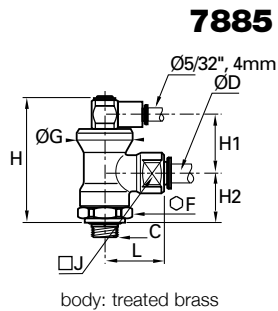
Compatible Tubing:

- Semi-Rigid Nylon
- Polyurethane 95 Durometer Shore A
- Fluoropolymer

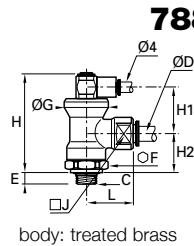


Operation

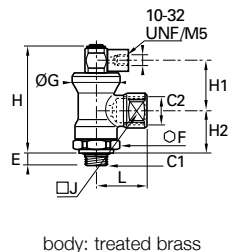


**7885****push-to-connect lock out valves** tube to NPT or BSPT

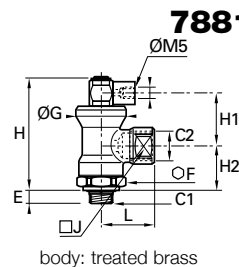
ØD in	C NPT	Part Number fractional inch	F mm	G in	H in	H1 in	H2 in	J in	L in	oz
1/4	1/8	7885 56 11	21	.95	2.03	1.24	.79	.67	1.10	6.53
1/4	1/4	7885 56 14	21	.95	2.03	1.24	.79	.67	1.10	4.77
3/8	3/8	7885 60 18	24	1.10	2.19	1.14	1.04	1.06	1.38	7.59
1/2	1/2	7885 62 22	24	1.10	2.19	1.14	1.04	1.06	1.69	18.00
mm	BSPT	metric	mm	mm	mm	mm	mm	mm	mm	kg
6	R1/8	7885 06 10	21	24	51.5	31.5	20	17	28	.121
6	R1/4	7885 06 13	21	24	51.5	31.5	20	17	28	.124
8	R1/4	7885 08 13	21	24	51.5	31.5	20	17	28	.119
8	R3/8	7885 08 17	21	24	51.5	31.5	20	17	28	.122
10	R3/8	7885 10 17	24	28	55.5	29	26.5	27	35	.197
12	R1/2	7885 12 21	24	28	55.5	29	26.5	27	37.5	.203

**7880****push-to-connect lock out valves** metric tube to BSPP

ØD mm	C2 BSPP	Part Number	E mm	F mm	G mm	H mm	H1 mm	H2 mm	J mm	L mm	kg
6	G1/8	7880 06 10	5	21	24	53	24.5	21	17	28	.121
6	G1/4	7880 06 13	5.5	21	24	53	24.5	21	17	28	.124
8	G1/4	7880 08 13	5.5	21	24	53	24.5	21	17	28	.119
8	G3/8	7880 08 17	5.5	24	28	56	25	23	27	34.5	.122
10	G3/8	7880 10 17	5.5	24	28	56	25	23	27	35	.197
12	G1/2	7880 12 21	7	24	28	56	25	23	27	37.5	.203

**7886****lock out valves – threaded ports** NPT or BSPT

C1 NPT	C2 NPT	Part Number fractional inch	E in	F mm	G in	H in	H1 in	H2 in	J in	L in	oz
1/8	1/8	7886 11 11	.37	21	.95	2.03	1.24	.79	.67	1.04	7.24
1/4	1/4	7886 14 14	.55	21	.95	2.03	1.24	.79	.67	1.04	4.59
3/8	3/8	7886 18 18	.65	24	1.10	2.19	1.14	1.04	1.06	1.34	7.77
1/2	1/2	7886 22 22	.77	24	1.10	2.19	1.14	1.04	1.06	1.57	8.47
BSPT	BSPT	metric	mm	mm	mm	mm	mm	mm	mm	mm	kg
R1/8	R1/4	7886 13 10	14	21	24	51.5	31.5	20	17	26.5	.113
R1/4	R1/4	7886 13 13	14	21	24	51.5	31.5	20	17	26.5	.115
R3/8	R3/8	7886 17 17	16.5	24	28	55.5	29	26.5	27	34	.200
R1/2	R1/2	7886 21 21	19.5	24	28	55.5	29	26.5	27	40	.209

**7881****lock out valves – threaded ports** BSPP

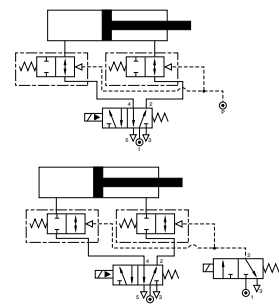
C1 BSPP	C2 BSPP	Part Number	E mm	F mm	G mm	H mm	H1 mm	H2 mm	J mm	L mm	kg
G1/8	G1/4	7881 13 10	5	21	24	53	24.5	21	17	28	.113
G1/4	G1/4	7881 13 13	5.5	21	24	53	24.5	21	17	28	.115
G3/8	G3/8	7881 17 17	5.5	24	28	56	25	23	27	34	.200
G1/2	G1/2	7881 21 21	7	24	28	56	25	23	27	41	.209



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Typical Applications

- Parker Legris lock-out valves incorporated into a 5/2 valve.
 - The compressed air maintains the lock-out valves in their normal position where air can easily pass through exactly like a normal fitting.
 - In the event of compressed air failure, the springs at both the lock-out valves will close the double-acting cylinder ports (2 & 4) thereby preventing downward movement.
 - Only with the recovery of compressed air will the lock-out valves allow normal flow and operation.
- With the introduction of a 3/2 way valve more interesting variations can be achieved for specific applications.
 - With a normally open valve, the lock-out valves will assume their closed positions when the pilot signal is lost. A typical application is a fail safe mode or with the introduction of a signal like an emergency signal.





Piloted Operated Check Valves

Parker Legris' piloted operated check valves are designed to protect installations. If the compressed air supply is removed they lock the air supply to the cylinder, maintaining it in position.

Product Features:

- Orientable and adjustable through 3 axis
- Can be integrated into any installation configuration
- Vent saves time on restart after maintenance operations
- Multi-purpose fitting
- Piloted non-return valve
- Flow control regulator
- Manual exhaust
- Silicone-Free

Markets:

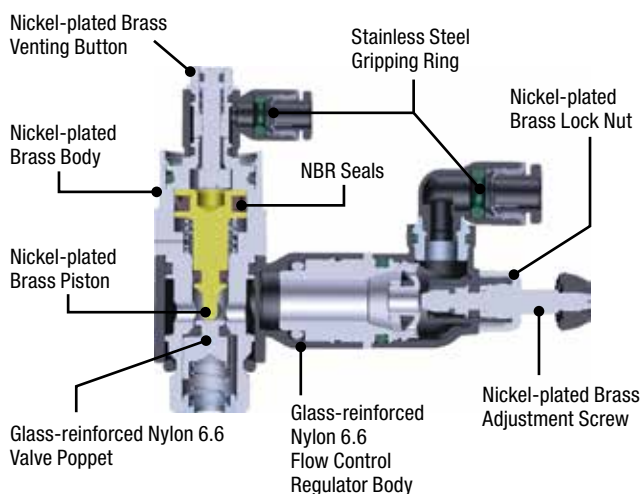
- Factory/Process Automation
- Food Processing
- Pneumatics
- Automotive

Applications:

- Pneumatics
- Machine Tools
- Processing
- Packaging
- Assembly

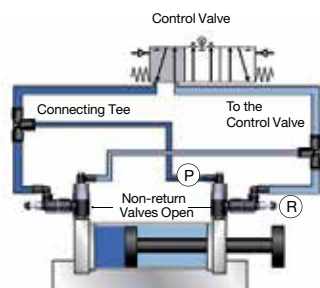
Specifications:

Pressure Range	14.5 to 145 psi (1 to 10 bar)
Cracking Pressure	4.3 psi (0.3 bar)
Temperature Range	23° to 140° F (-5° to 60° C)



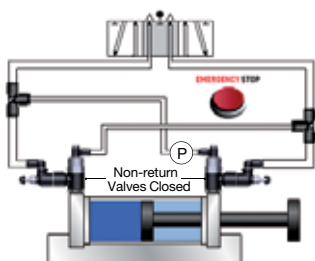
Operation

Normal Operation



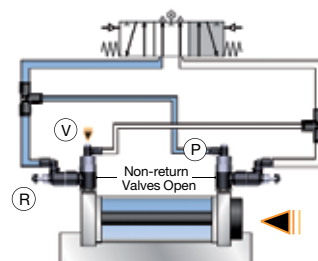
Pilot signal (P)
Regulation of cylinder rod speed (R)

Emergency Stop or Pressure Drop

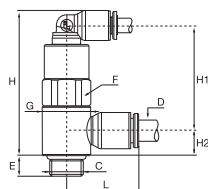


Drop/removal of pilot pressure (P) = cylinder rod locked

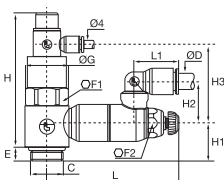
Venting Operation



Venting (V) returns the cylinder rod to the to start position, emptying the pressure chamber through the flow regulator (R) and pilot line (P)

7892 | **piloted non-return valve** BSPP

ØD mm	C BSPP	Part Number	E mm	F mm	G mm	H mm	H1 mm	H2 mm	L mm	kg
6	G1/8	7892 06 10	6	13	14	42	30	7	21	.028
6	G1/4	7892 06 13	9	17	18.5	45	32	9	23	.049
8	G1/8	7892 08 10	6	13	14	42	29	9	25	.029
8	G1/4	7892 08 13	9	17	18.5	45	32	9	27	.051
8	G3/8	7892 08 17	6	20	22.5	57	41	11	28	.093
10	G3/8	7892 10 17	6	20	22.5	57	41	11	31	.094
10	G1/2	7892 10 21	10	24	28	63	47	16	36	.172
12	G1/2	7892 12 21	10	24	28	63	47	16	36	.162

**7894** | **piloted non-return valve with flow control and exhaust** BSPP

ØD mm	C BSPP	Part Number	E mm	F1 mm	F2 mm	G mm	H mm	H1 mm	H2 mm	H3 mm	L min	L max	L mm	kg
6	G1/8	7894 06 10	6	13	8	14	46	7	24	31	48.5	51	16	.049
6	G1/4	7894 06 13	9	17	10	18.5	49	11	18	31	59.5	65	17	.081
8	G1/8	7894 08 10	6	13	8	14	46	7	27	31	48.5	51	22	.050
8	G1/4	7894 08 13	9	17	10	18.5	49	11	23	31	59.5	65	23	.084
8	G3/8	7894 08 17	6	20	14	22.5	69	13	21	40	67.5	73	23	.148
10	G3/8	7894 10 17	6	20	14	22.5	69	13	29	40	67.5	73	26	.152
10	G1/2	7894 10 21	10	24	17	28	76	12.5	26	47	74	81	26	.234
12	G1/2	7894 12 21	10	24	17	28	76	12.5	27	47	74	81	30	.236



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In-Line Check Valves



Parker Legris' in-line check valves allow air to pass in one direction while blocking flow in the other direction. The body of the fitting contains an arrow to indicate the direction of flow.

Product Features:

- Glass-reinforced nylon 6.6/nickel-plated brass body
- VC – Acetal body
- Stainless steel gripping ring
- Nickel-plated brass threads
- Nitrile O-ring
- EPDM O-ring (VC)
- Silicone-Free

Markets:

- Factory/Process Automation
- Packaging
- Petrochemical
- Pneumatics
- Semi-Conductor

Applications:

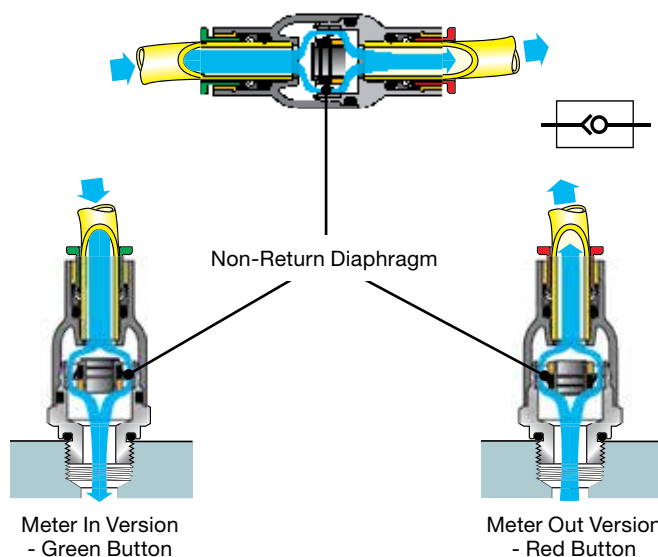
- Robotics
- Packaging
- Textile
- Machine Tools
- Pneumatic Systems
- Vacuum

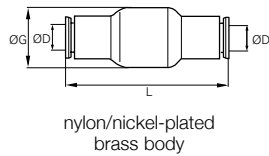
Specifications:

Pressure Range	14.5 to 145 psi (1 to 10 bar)
Temperature Range	32° to 158° F (0° to 70° C) VC – 34° to 150° F (1° to 65° C)
Cracking Pressure	7 psi (0.48 bar) VC – 1/3 psi (0.02 bar)

Compatible Tubing:

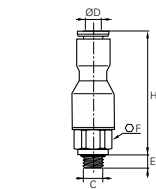
- Semi-Rigid Nylon
- Polyurethane 95 Durometer Shore A
- Fluoropolymer



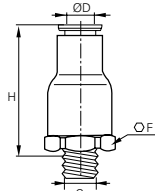
7996 in-line check valve tube to tubenylon/nickel-plated
brass body

ØD in	Part Number fractional inch tube	G in	L in	oz
5/32	7996 04 00	.63	1.52	.28
1/4	7996 56 00	.63	1.61	.51
5/16	7996 08 00	.75	2.03	.63
3/8	7996 60 00	.91	2.50	.63

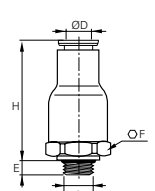
ØD mm	Part Number metric tube	G mm	L mm	kg
4	7996 04 00	16	38.5	.008
6	7996 06 00	16	41	.013
8	7996 08 00	19	51.5	.018
10	7996 10 00	23	63.5	.018
12	7996 12 00	23	66.5	.018

7994/7995/7984/7985 male check valve fractional inch tube to NPT or UNFnylon body with
nickel-plated brass base

ØD in	C NPT/UNF	Part Number meter out	Part Number meter in	F mm	H in	oz
5/32	10-32	7994 04 20	7984 04 20	9	1.26	.28
5/32	1/8	7995 04 11	7985 04 11	16	1.12	.28
1/4	1/8	7995 56 11	7985 56 11	19	1.42	.51
1/4	1/4	7995 56 14	7985 56 14	19	1.42	.51
3/8	1/4	7995 60 14	7985 60 14	23	1.65	.63
3/8	3/8	7995 60 18	7985 60 18	23	1.65	.63

7995/7985 male check valve metric tube to BSPTnylon body with
nickel-plated brass base

ØD mm	C BSPT	Part Number meter out	Part Number meter in	F mm	H mm	kg
4	R1/8	7995 04 10	7985 04 10	16	28.5	.016
6	R1/8	7995 06 10	7985 06 10	16	30.5	.016
6	R1/4	7995 06 13	7985 06 13	16	30.5	.021
8	R1/8	7995 08 10	7985 08 10	19	36	.022
8	R1/4	7995 08 13	7985 08 13	19	36	.026
10	R3/8	7995 10 17	-	23	42	.027
12	R3/8	7995 12 17	7985 12 17	23	42	.029
12	R1/2	7995 12 21	7985 12 21	23	44	.034

7994/7984 male check valve metric tube to BSPPnylon body with
nickel-plated brass base

ØD mm	C BSPP	Part Number meter out	Part Number meter in	E mm	F mm	H mm	kg
4	M5	7994 04 19	7984 04 19	3	9	32	.023
4	G1/8	7994 04 10	7984 04 10	5	16	28.5	.015
6	G1/8	7994 06 10	7984 06 10	5	16	30.5	.015
6	G1/4	7994 06 13	7984 06 13	5.5	16	30.5	.015
8	G1/8	7994 08 10	7984 08 10	5	19	36	.021
8	G1/4	7994 08 13	7984 08 13	5.5	19	36	.023
10	G3/8	7994 10 17	7984 10 17	5.5	23	42	.024
12	G3/8	7994 12 17	-	5.5	23	42	.029
12	G1/2	7994 12 21	-	7.5	23	44	.034

VC check valve fractional inch tube to tube

ØD in	Part Number	L in	ØD in	oz
1/4	A4VC4-MG	2.00	.66	.02
5/16	A5VC5-MG	2.10	.70	.03
3/8	A6VC6-MG	2.15	.80	.03
1/2	A8VC8-MG	2.68	.91	.06



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Stainless Steel Check Valves

Parker Legris' stainless steel check valves are ideally suited to harsh environments and for conveying industrial fluids. These check valves allow fluids to flow in one direction and prevent them from flowing in the other.

Product Features:

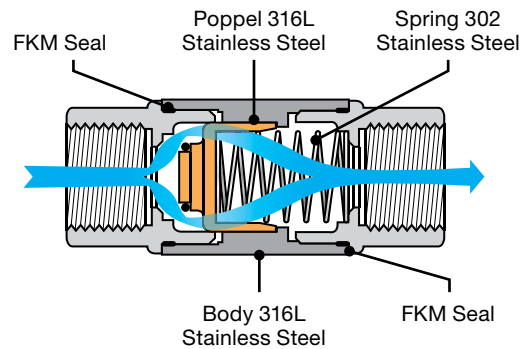
- 316L Stainless Steel Body & Poppet
- 302 Stainless Steel Spring
- FKM Seals
- Smooth external surfaces contribute to equipment cleanliness
- Suitable for use in corrosive environments
- Silicone-Free

Markets:

- Factory/Process Automation
- Life Science
- Food Processing
- Water and Beverage
- Petrochemical

Applications:

- Pneumatics
- Machine Tools
- Processing
- Chemical
- Printing



Specifications:

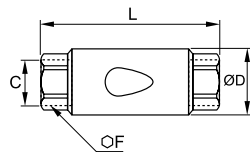
Pressure Range 7 to 580 psi (0.5 to 40 bar)

Cracking Pressure 3.6 psi (0.25 bar)

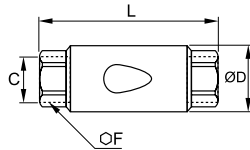
Temperature Range -4° to 356° F (-20° to 180° C)

Flow Characteristics

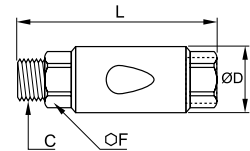
MODEL	FLOW AT 87 PSI (6 BAR)
4895, 4890, 4891, 4892	.67 SCFM (18.88 NI/M)
4895, 4890, 4891, 4892	.70 SCFM (19.91 NI/M)
4895, 4890, 4891, 4892	1.26 SCFM (35.54 NI/M)
4895, 4890, 4891, 4892	1.29 SCFM (36.50 NI/M)
4890, 4891, 4892	2.33 SCFM (65.86 NI/M)
4890, 4891, 4892	3.27 SCFM (92.60 NI/M)

4895 | **unidirectional, double female NPT**

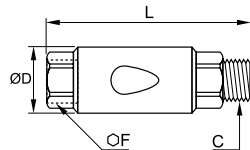
C NPT	DN	Part Number	ØD in	F in	L in	oz
1/8	10	4895 11 11	.87	.71	1.97	2.93
1/4	10	4895 14 14	.87	.71	2.12	2.29
3/8	15	4895 18 18	1.18	.87	2.87	6.98
1/2	15	4895 22 22	1.18	.98	3.03	7.51

4890 | **unidirectional, double female BSPP**

C BSPP	DN	Part Number	ØD mm	F mm	L mm	kg
G1/8	10	4890 10 10	22	17	50	.084
G1/4	10	4890 13 13	22	17	50	.074
G3/8	15	4890 17 17	30	22	67	.182
G1/2	15	4890 21 21	30	25	71	.196
G3/4	20	4890 27 27	42	32	84	.288
G1	25	4890 34 34	42	38	90	.416

4891 | **unidirectional, male/female BSPP**

C BSPP	DN	Part Number	ØD mm	F mm	L mm	kg
G1/8	10	4891 10 10	22	17	56	.086
G1/4	10	4891 13 13	22	17	58	.082
G3/8	15	4891 17 17	30	22	75	.190
G1/2	15	4891 21 21	30	25	79	.280
G3/4	20	4891 27 27	42	32	98	.302
G1	25	4891 34 34	42	38	104	.424

4892 | **unidirectional, female/male BSPP**

C BSPP	DN	Part Number	ØD mm	F mm	L mm	kg
G1/8	10	4892 10 10	22	17	56	.086
G1/4	10	4892 13 13	22	17	58	.082
G3/8	15	4892 17 17	30	22	75	.190
G1/2	15	4892 21 21	30	25	79	.280
G3/4	20	4892 27 27	42	32	98	.302
G1	25	4892 34 34	42	38	104	.424



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Slow Start Valves



Parker Legris' slow start valves enables you to control the rate supply pressures introduced into your system after it has been vented (e.g. at the end of the work day, emergency stops, or adjustments.) Slow start valves gradually returns cylinders to the position they were in before the system was vented.

Product Features:

- Glass-reinforced nylon 6.6/nickel-plated brass body
- Stainless steel gripping ring
- Nickel-plated brass threads
- Nitrile seals
- Silicone-Free

Markets:

- Factory/Process Automation
- Packaging
- Petrochemical
- Pneumatics

Applications:

- Robotics
- Packaging
- Textile
- Machine Tools
- Pneumatic Systems

Specifications:

Pressure Range 43.5 to 145 psi (3 to 10 bar)

Temperature Range 5° to 140° F (-15° to 60° C)

Compatible Tubing:

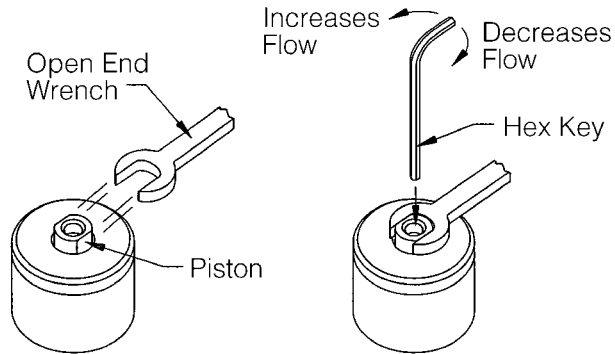
- Semi-Rigid Nylon
- Polyurethane 95 Durometer Shore A
- Fluoropolymer



Adjusting the Speed of Pressurization

Adjusting the needle to regulate the flow of air optimizes the time taken to pressurize depending on the air volume to be refilled and the system requirements.

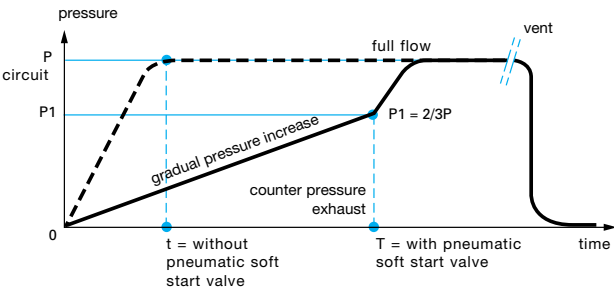
Method of Adjustment



Adjustment requires only basic tools:

- 1. secure the piston with a 5.5mm (7/32") open end wrench.
- 2. adjust the needle (valve opening time) using a hex key while holding the piston with the open end wrench.
- 3. A 1.5mm hex key is required for the 1/4" size and a 2.5mm hex key is required for the 3/8" size. Wrench flats are 5.5mm on both sizes of valves. Maximum torque for hex key: 8 in. lb.

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



These function valves allow air pressure to gradually increase when a compressed air line is restarted after it has been vented for any reason (i.e. at the end of work, after an emergency stop or when adjusting the system). This gradual pressure increase, or "slow start" prevents shocks to the system which can occur when full working pressure is immediately introduced, thus saving wear and preventing injury to users or components. Each cylinder thus protected gradually returns to the position it stopped when the system was vented.

Types 7864, 7861, 7860 are mounted on the FRL outlet. These versions protect the whole downstream installation.

All cylinders downstream of the slow start fitting pressurize simultaneously when the system is pressurized after an emergency stop.

They return to their end-of-stroke position one after the other depending on their resistive forces.

Types 7874, 7871, 7870 are mounted to the supply port of the control valve or the common supply line of several associated valves. Therefore the action of the fitting is immediate and controls directly the designated cylinders.

Thus the pressurization speed of the control valve, or group of valves, can be adjusted to an optimum. When the system is pressurized after an emergency stop, cylinders return to their end-of-stroke position one after the other depending on their resistive forces.

materials of construction	7864/61/74/71 body: nickel-plated brass	
	7860/70 body: glass reinforced nylon 6.6	
	seals: nitrile	
	threads: nickel-plated brass	
maximum tightening torque	threads	in. lb
	1/4	108
	3/8	125
	1/2	150
flow characteristics	model	flow at 87 psi (6 bar)
	7860 08 13	53 SCFM (1500 NI/m)
	7860 10 13	74 SCFM (2100 NI/m)
	7860 10 17	78 SCFM (2200 NI/m)
	7860 12 17	109 SCFM (3100 NI/m)
	7860 12 21	109 SCFM (3100 NI/m)
	7864 14 14	
	7864 18 18	
	7861 13 13	74 SCFM (2100 NI/m)
	7861 17 17	109 SCFM (3100 NI/m)
	7861 21 21	109 SCFM (3100 NI/m)
	7870 08 13	53 SCFM (1500 NI/m)
	7870 10 13	72 SCFM (2000 NI/m)
	7870 10 17	72 SCFM (2000 NI/m)
	7871 13 13	72 SCFM (2000 NI/m)
	7871 17 17	72 SCFM (2000 NI/m)

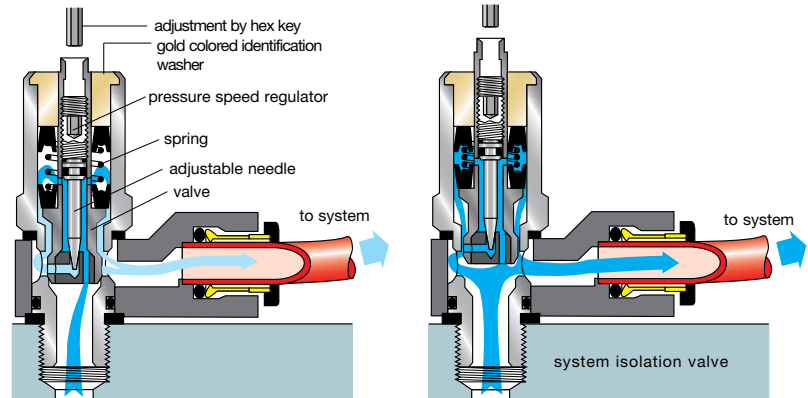
The Legris pneumatic slow start valve enables you to control the rate supply pressures introduced into your system after it has been vented (i.e. at the end of the work day, emergency stops, or adjustments). This gradual increase in pressure or “slow start”, prevents harmful mechanical shock which may occur when full system pressure is immediately introduced into a system. When the slow start valve is used, it gradually returns cylinders to the position they were in before the system air was vented.

Working Principles

operating characteristics

The slow start fitting is an internally piloted control valve. It replaces any fitting without system modification.

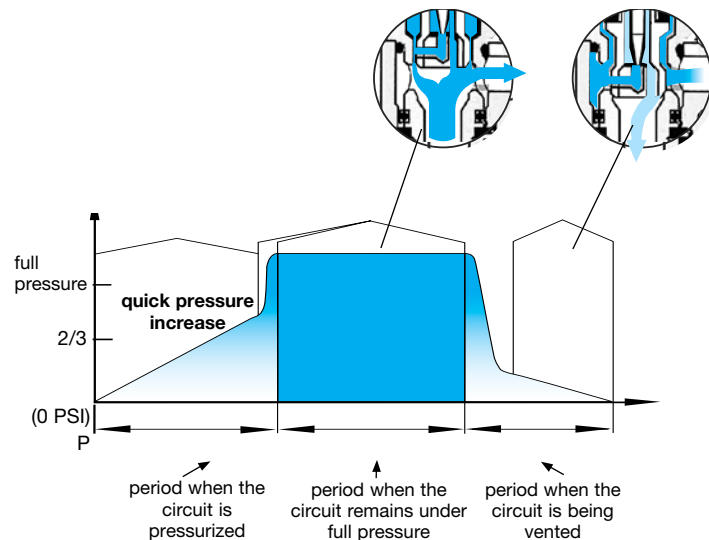
System Version: models 7864, 7861, 7860



Application Information

system version: model 7864

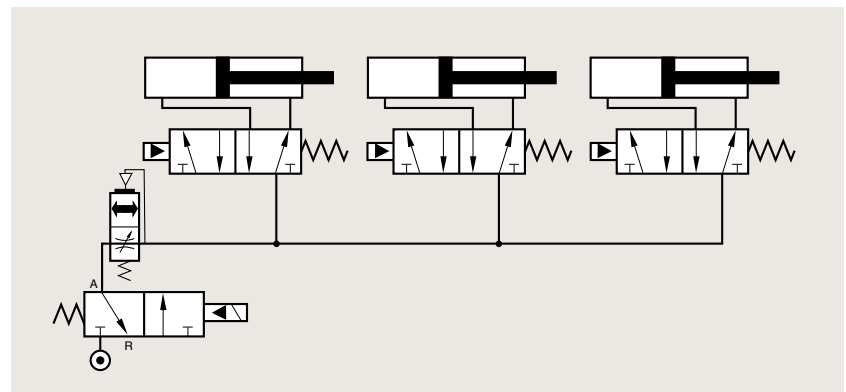
1. When the system has been vented, pressure “P” is at zero. After the system air is restarted, the pneumatic “slow start” valve allows a gradual buildup of pressure into the system. System cylinders slowly return to their extended or retracted positions.
2. An adjustable needle valve is utilized to accomplish the gradual buildup of pressure in the system. Adjusting the needle valve sets the rate of fill. The setting is determined by the requirements of the installation.
3. When the pressure in the system is at 2/3 its maximum, the “slow start” valve fully opens. The operating pressure “P” is maintained and a full flow rate is assumed until the system air is cut off and vented.



Installation

system version: model 7864

The series 7864 “slow start” valve is mounted directly to the outlet port of the system isolation valve. Thus it protects the entire system from mechanical shock. The rate of pressurization will be common to all cylinders in the system. The speed at which each cylinder moves depends on the resistive forces acting against it.



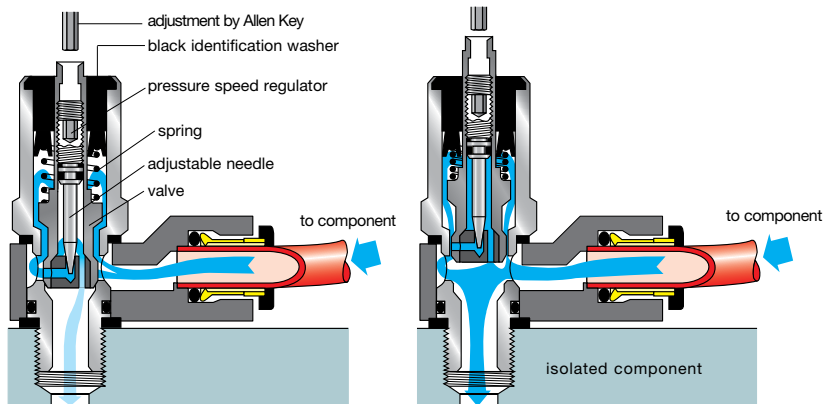
The Legris pneumatic slow start valve enables you to control the rate supply pressures introduced into your selected actuator after it has been vented (i.e. at the end of the work day, emergency stops, or adjustments). This gradual increase in pressure or "slow start", prevents harmful mechanical shock which may occur when full system pressure is immediately introduced into a system. When the slow start valve is used, it gradually returns cylinders to the position they were in before the system air was vented.

Working Principles

operating characteristics

The slow start fitting is an internally piloted control valve. It replaces any fitting without system modification.

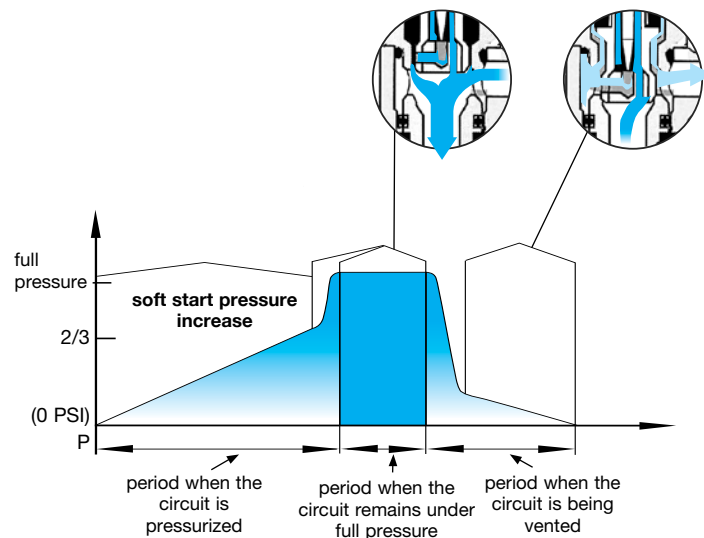
Component Version: models 7874, 7871, 7870



Application Information

system version: model 7874

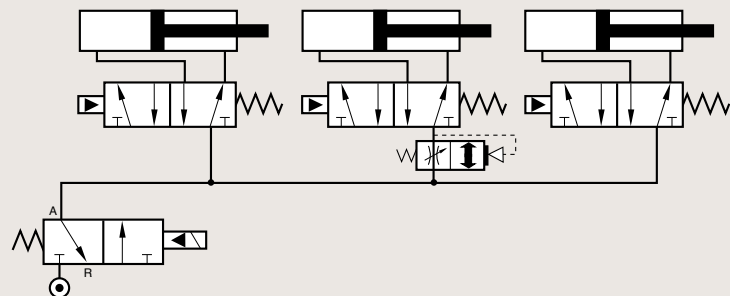
1. When the system has been vented, pressure "P" is at zero. After the system air is restarted, the pneumatic "slow start" valve allows a gradual buildup of pressure into the system. System cylinders slowly return to their extended or retracted positions.
2. An adjustable needle valve is utilized to accomplish the gradual buildup of pressure in the system. Adjusting the needle valve sets the rate of fill. The setting is determined by the requirements of the installation.
3. When the pressure in the system is at 2/3 its maximum, the "slow start" valve fully opens. The operating pressure "P" is maintained and a full flow rate is assumed until the system air is cut off and vented.

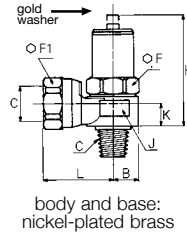


Installation

system version: model 7874

The series 7874 "slow start" valve is mounted directly to the inlet of a control valve, it provides "slow start" protection to a select cylinder. Thus the rate of pressurization to a specific cylinder may be individually controlled.

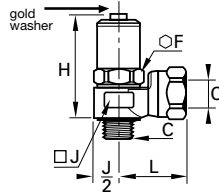




body and base:
nickel-plated brass

7864 for system isolating valve with threaded connection NPT

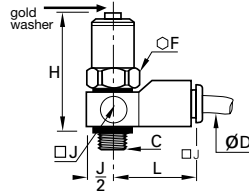
C NPT	Part Number	F in	F1 in	H min in	H max in	J in	L in	K in	oz
1/4	7864 14 14	7/8	3/4	2.44	2.17	.95	1.22	.55	5.40
3/8	7864 18 18	7/8	3/4	2.44	2.17	.95	1.36	.55	5.47



body: nickel-plated brass
base: nickel-plated brass
with sealing washer

7861 for system isolating valve with threaded connection BSPP

C BSPP	Part Number	F mm	H min mm	H max mm	J mm	L mm	kg
G1/4	7861 13 13	22	62	54	24	31	.148
G3/8	7861 17 17	22	62	55	24	31	.140
G1/2	7861 21 21	24	70.5	63.5	24	34.5	.178



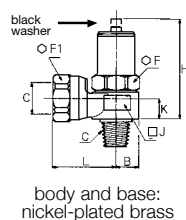
body: nylon
base: nickel-plated brass
with sealing washer

7860 for system isolating valve with LF3000 push-in fitting metric tube to BSPP

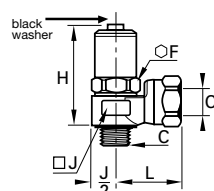
ØD mm	C BSPP	Part Number	F mm	H min mm	H max mm	J mm	L mm	kg
8	G1/4	7860 08 13	17	61	54	20	27.5	.066
10	G1/4	7860 10 13	22	62	55	25	41	.110
10	G3/8	7860 10 17	22	62	55	25	41	.113



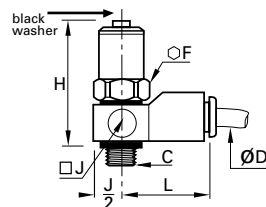
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7874 | for isolating component version with threaded connection NPTbody and base:
nickel-plated brass

C NPT	Part Number	F in	F1 in	H min in	H max in	J in	L in	K in	kg
1/4	7874 14 14	7/8	3/4	2.44	2.17	.95	1.22	.55	5.47
3/8	7874 18 18	7/8	3/4	2.44	2.17	.95	1.36	.55	4.60

7871 | for isolating component version with threaded connection BSPPbody: nickel-plated brass
base: nickel-plated brass
with sealing washer

C BSPP	Part Number	F mm	H min mm	H max mm	J mm	L mm	kg
G1/4	7871 13 13	22	62	55	24	31	.149
G3/8	7871 17 17	22	62	55	24	31	.141

7870 | for isolating component version with LF3000 push-in fitting metric tube to BSPPbody: nylon
base: nickel-plated brass
with sealing washer

ØD mm	C BSPP	Part Number	F mm	H min mm	H max mm	J mm	L mm	kg
8	G1/4	7870 08 13	17	61	54	20	35	.068
10	G1/4	7870 10 13	22	62	55	25	41	.112
10	G3/8	7870 10 17	22	62	55	25	41	.115



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Threshold Sensor Fittings



Parker Legris' threshold sensor fitting detects the pressure drop when a cylinder reaches the end of its stroke. They produce a pneumatic or electrical output signal when the pressure drop in the exhaust chamber of the cylinder goes below their back pressure threshold.

Product Features:

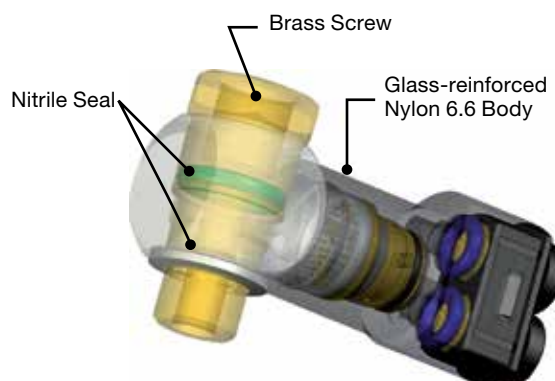
- Glass-reinforced nylon 6.6 body
- Brass screw
- NBR seal
- Silicone-Free

Markets:

- Factory/Process Automation
- Packaging
- Pneumatics
- Semi-Conductor

Applications:

- Robotics
- Packaging
- Textile
- Machine Tools
- Pneumatic Systems



Specifications:

Pressure Range 43.5 to 116 psi (3 to 8 bar)

Temperature Range 5° to 140° F (-15° to 60° C)

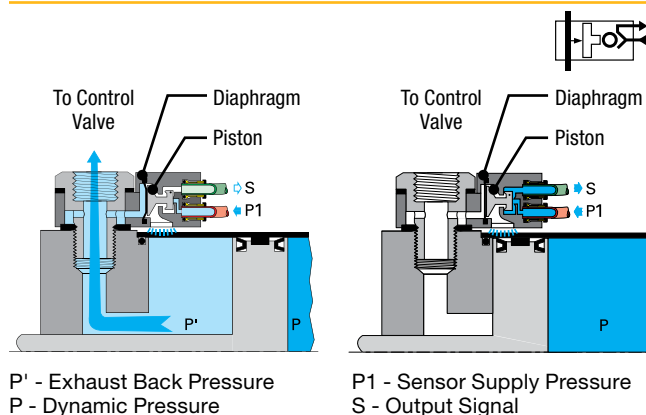
Back Pressure 08.5 psi to 1 bar

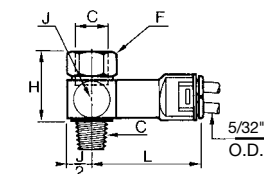
Response Time 3 ms

Compatible Tubing:

- Semi-Rigid Nylon
- Polyurethane 95 Durometer Shore A
- Fluoropolymer

Operation

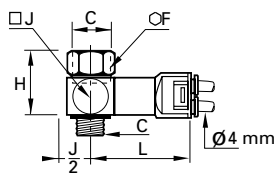


7808 | **pneumatic threshold sensor** 5/32 tube pilot/signal ports to NPT or UNF

body: nylon
bolt: brass with sealing washer

C NPT/UNF	Part Number	orifice	F in	H in	J in	L in	oz
10-32	7818 04 20*	.08	5/16	.62	.43	1.70	.88
1/8	7808 04 11	.20	9/16	.90	.62	1.74	1.55
1/4	7808 04 14	.27	5/8	1.09	.76	1.81	2.51
3/8	7808 04 18	.39	7/8	1.13	.92	1.91	3.25
1/2	7808 04 22	.55	1	1.17	1.23	2.05	5.47

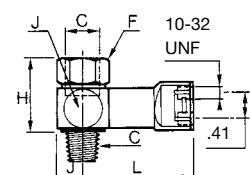
*10-32: bolt zinc passivated steel

7818 | **pneumatic threshold sensor** 4mm tube pilot/signal ports to BSPP or M5

body: nylon
bolt: brass with sealing washer

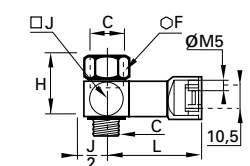
C BSPP/M5	Part Number	DN min	F mm	H mm	J mm	L mm	kg
M5x0.8	7818 04 19*	2	8	16	11	43.5	.025
G1/8	7818 04 10	5	14	23	16	44.5	.082
G1/4	7818 04 13	7	17	28	19.5	46.5	.113
G3/8	7818 04 17	10	22	29	23.5	49	.128
G1/2	7818 04 21	14	27	30	31.5	52.5	.159

*M5: bolt zinc passivated steel

7808 | **pneumatic threshold sensor** 10-32 UNF pilot/signal ports to NPT

body: nylon
bolt: brass with sealing washer

C NPT	Part Number	orifice	F in	H in	J in	L in	oz
1/8	7808 20 11	.20	9/16	.90	.62	1.58	1.66
1/4	7808 20 14	.27	5/8	1.09	.76	1.66	2.61
3/8	7808 20 18	.39	7/8	1.13	.92	1.76	3.46

7818 | **pneumatic threshold sensor** M5 pilot/signal ports to BSPP

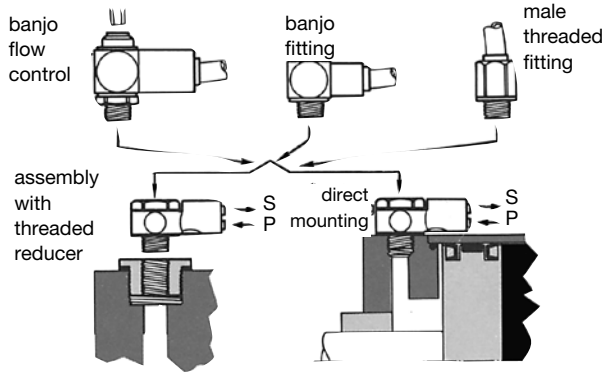
body: nylon
bolt: brass with sealing washer

C BSPP	Part Number	DN min	F mm	H mm	J mm	L mm	kg
G1/8	7818 19 10	5	14	23	16	40.5	.087
G1/4	7818 19 13	7	17	28	19.5	42.5	.117



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Assembly on Cylinder



Pneumatic/Electric Sensors

Exhaust pressure is sensed by a N/O, N/C contact relay switch.

Pneumatic/Electric Threshold valves are ideally suited to turn on or off a light, or to send an electric signal to another function in the system. They are supplied with a 6 ft., three core cable and can be used with AC or DC voltages.

Advantages for the user:

- small size
- replaces traditional sequence valves and/or limit switches
- eliminates on going normal adjustment associated with limit valves

Installation

The threshold sensor can be mounted on the cylinder, on the control valve or on a terminal block provided it is between the cylinder and the flow control. For accuracy, the flow control is mounted as close as possible to the cylinder. It can be fitted to a sensor fitting mounted on the cylinder.

Technical Specifications for Pneumatic/Electric Threshold Sensor Valves

Threshold Signal Pressure 7 psi

Current Rating 5A/250VAC - 5W/48VDC

UL Listed Component Reset Pressure 10 psi

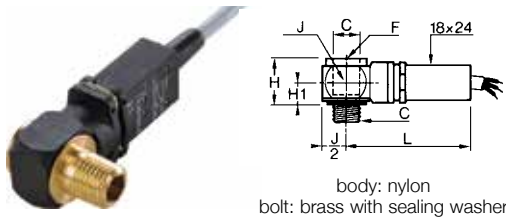
Electrical Connection

cable: three core,
2 meters (6.5 ft) long



7828/7829

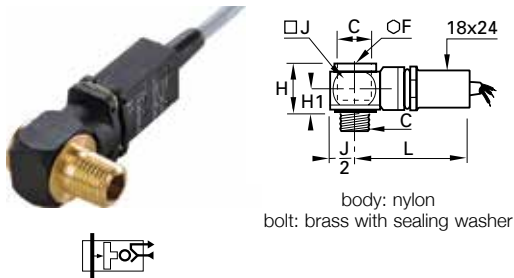
pneumatic/electric threshold sensor NPT or UNF



C NPT/UNF	Part Number	F mm	H in	H1 in	J in	L in	oz
10-32	7828 00 20	8	.79	.39	.43	1.93	5.30
1/8	7829 00 11	6	.79	.39	.63	2.05	6.10
1/4	7829 00 14	8	.79	.39	.83	2.13	6.35
3/8	7829 00 18	10	.87	.47	1.10	2.24	7.50
1/2	7829 00 22	12	1.02	.55	1.30	2.28	9.35

7828

pneumatic/electric threshold sensor BSPP or M5



C BSPP/M5	Part Number	F mm	H mm	H1 mm	J mm	L mm	kg
M5x0.8	7828 00 19	8	20	10	11	49	.115
G1/8	7828 00 10	6	20	10	16	52	.120
G1/4	7828 00 13	8	20	10	21	54	.125
G3/8	7828 00 17	10	22	12	28	57	.150



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Pressure Regulators

Parker Legris' pressure regulators stabilise at the maximum determined value the pressure delivered to the pneumatic equipment, whatever the fluctuations of the pressure upstream.

Product Features:

Ergonomics

- Easy adjustment of the output pressure through the knurled screw
- Lockable adjustment possible
- Output pressure adjustment options marked on the screw

Energy Savings

- Setting of the optimum pressure enables the equipment to function correctly
- Installation in a manifold allows optimum output pressures to be delivered to specific parts of the circuit
- Designed for applications where cylinder force needs to be controlled: marking, sleeving, crimping cylinders etc.

Markets:

- Factory/Process Automation
- Packaging
- Petrochemical
- Pneumatics

Applications:

- Robotics
- Packaging
- Textile
- Semi-Conductor
- Pneumatic Systems

Specifications:

Compatible Fluids	Compressed air			
Working Pressure	Upstream pressure: 14.5 to 232 psi (1 to 16 bar)			
	Downstream pressure: 14.5 to 116 psi (1 to 8 bar)			
Working Temperature	14° to 158° F (-10° to 70° C)			

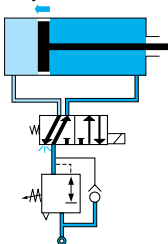
Max. Tightening Torques	Threads	1/8	1/4	3/8
	in. lb	35	40	50



Operation

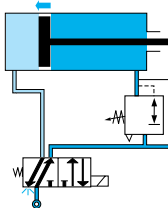
Mounting Upstream of the Control Valve

Adjustment of the piston feed pressure in both directions

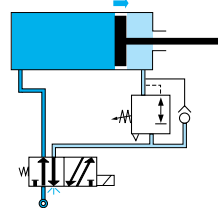


Mounting Downstream of the Control Valve

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

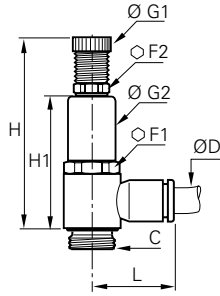


Phase 2: in return direction, pressure is supplied through the control valve



Silicone-Free

7305 threaded pressure regulator fractional inch tube to NPT

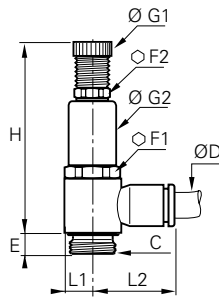


body: nylon
nickel-plated brass
screw with pre-applied
thread sealant



ØD in	C NPT	Part Number	F1 mm	F2 mm	G1 in	G2 in	H min in	H max in	H1 in	L in	kg
5/32	1/8	7305 04 11	17	13	.55	.67	1.97	2.64	1.59	.73	1.34
1/4	1/8	7305 56 11	17	13	.55	.67	1.97	2.64	1.59	.81	1.59
1/4	1/4	7305 56 14	17	13	.55	.67	2.38	3.05	1.95	.89	1.73
3/8	1/4	7305 60 14	17	13	.55	.67	2.38	3.05	1.95	1.14	2.47

7300 threaded pressure regulator metric tube to BSPP

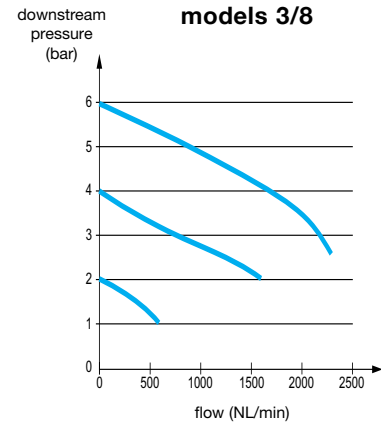
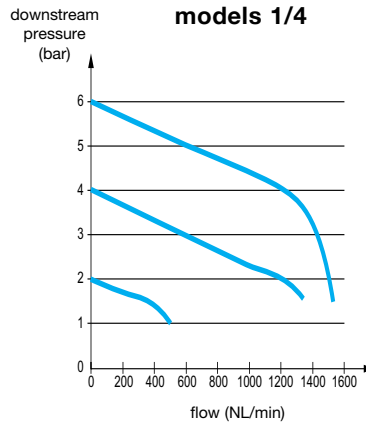
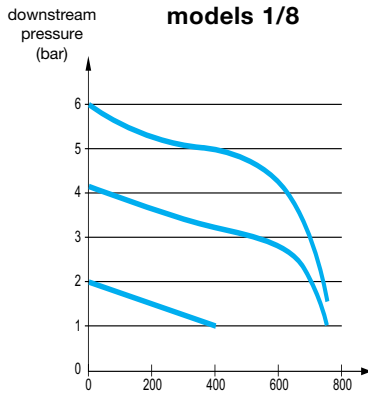


body: nylon
nickel-plated brass screw
with "O" ring seal



ØD mm	C BSPP	Part Number	E mm	F1 mm	F2 mm	G1 mm	G2 mm	H max mm	L1 mm	L2 mm	kg
4	G1/8	7300 04 10	4.5	17	13	14	18.5	60.5	7	18.5	.038
6	G1/8	7300 06 10	4.5	17	13	14	18.5	60.5	7	20	.040
6	G1/4	7300 06 13	7.5	17	13	14	18.5	68.5	9.5	22	.049
8	G1/8	7300 08 10	4.5	17	13	14	18.5	60.5	7	25	.057
8	G1/4	7300 08 13	7.5	17	13	14	18.5	68.5	9.5	27	.060
8	G3/8	7300 08 17	8.5	22	17	18.5	23.5	77.5	11.5	28.5	.064
10	G1/4	7300 10 13	7.5	17	13	14	18.5	68.5	9.5	29	.070
10	G3/8	7300 10 17	8.5	22	17	18.5	23.5	77.5	11.5	30.5	.073

Flow characteristics for NPT & BSPP threads Upstream pressure = 100 psi



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Manually-Operated Valves

Parker Legris' manually-operated valves offer a reliable and durable system for opening and closing the circuit when the system has to be switched frequently. They provide a significant reduction in the time needed to work on pneumatic circuits.

Product Features:

Manual Switch-Operated Valves

- Downstream control supply provided by simply moving the lever
- 2 models available to provide the best solution for the system:
 - 3/2: opening, closing, venting
- Compact and ergonomic (can be positioned through 360°)
- Silicone-Free

Markets:

- Factory/Process Automation
- Packaging
- Industrial
- Pulp & Paper

Applications:

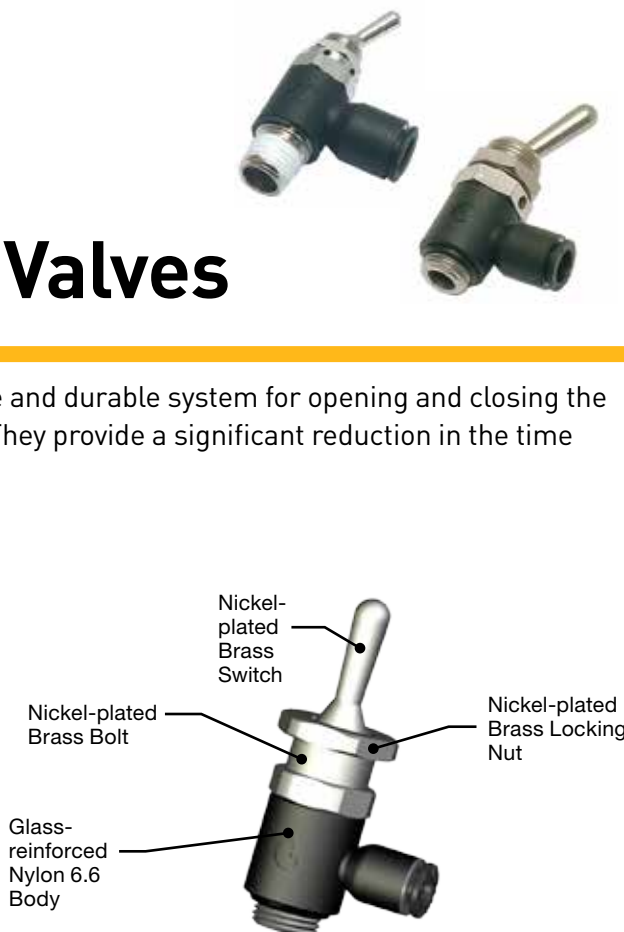
- Robotics
- Conveyors
- Textile
- Plastics Engineering
- Printing
- Pneumatics
- Packaging

Specifications:

Compatible Fluids Compressed air

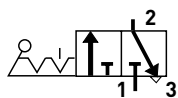
Working Pressure 230 psi (15.8 bar)

Working Temperature 15° to 175° F (-10° to 80° C)



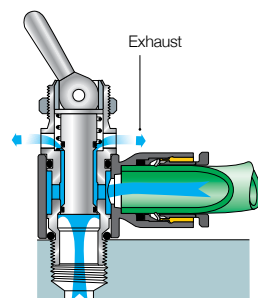
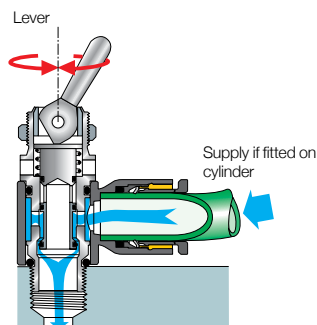
Operation

Switch-Operated Valves



Open

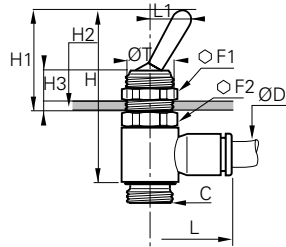
Closed



Supply if fitted on control valve

7805/7806 | manually operated 3-way venting valve

fractional inch tube to NPT



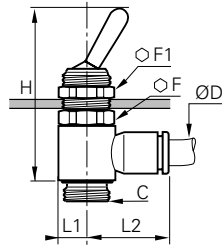
body: nylon
nickel-plated brass bolt

ØD in	C NPT	Part Number supply (1)	F1 mm	F2 mm	H in	H1 in	H2 in	H3 in	L in	L1 in	ØT in	
5/32	1/8	7805 04 11	14	14	1.69	.98	.18	.30	.75	.43	.49	.95
1/4	1/8	7805 56 11	14	14	1.69	.98	.18	.30	.85	.43	.49	1.02
1/4	1/4	7805 56 14	14	17	1.99	.98	.18	.30	.89	.43	.49	1.55
3/8	1/4	7805 60 14	14	17	1.99	.98	.18	.30	1.14	.43	.49	1.69

ØD in	C NPT	Part Number supply (2)	F1 mm	F2 mm	H in	H1 in	H2 in	H3 in	L in	L1 in	ØT in	
5/32	1/8	7806 04 11	14	14	1.69	.98	.18	.30	.75	.43	.49	.95
1/4	1/8	7806 56 11	14	14	1.69	.98	.18	.30	.85	.43	.49	1.02
1/4	1/4	7806 56 14	14	17	1.99	.98	.18	.30	.89	.43	.49	1.55
3/8	1/4	7806 60 14	14	17	1.99	.98	.18	.30	1.14	.43	.49	1.69

7800/7801 | manually operated 3-way venting valve

metric tube to BSPP or metric



body: nylon
nickel-plated brass bolt
with sealing ring

ØD mm	C BSPP	Part Number supply (1)	F mm	F1 mm	H mm	L1 mm	L2 mm	
4	M5x0.8	7800 04 19	8	-	32	5	16	.020
4	G1/8	7800 04 10	14	14	42.5	7	18.5	.027
6	M5x0.8	7800 06 19	8	-	32	5	19	.022
6	G1/8	7800 06 10	14	14	42.5	7	20	.029
6	G1/4	7800 06 13	17	17	51	9	22	.044
8	G1/8	7800 08 10	14	14	42.5	7	25	.030
8	G1/4	7800 08 13	17	17	51	9	27	.045

ØD mm	C BSPP	Part Number supply (2)	F mm	F1 mm	H mm	L1 mm	L2 mm	
4	M5x0.8	7801 04 19	8	-	32	5	16	.020
4	G1/8	7801 04 10	14	14	42.5	7	18.5	.027
6	M5x0.8	7801 06 19	8	-	32	5	19	.022
6	G1/8	7801 06 10	14	14	42.5	7	20	.029
6	G1/4	7801 06 13	17	17	51	9	22	.044
8	G1/8	7801 08 10	14	14	42.5	7	25	.030



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Pneumatic Slide Valves

Parker Legris' slide valves may be used to effect an immediate isolation of the air line by venting the system to atmosphere. By moving the sleeve in one direction, the air is free to pass through the slide valve to the system. By moving it in the opposite direction, the supply is shut off and the downstream air is allowed to exhaust to the atmosphere.

Product Features:

- Lightweight due to use of aluminum
- Nitrile Seals
- Immediate identification of the venting system by the color (red)
- Uni-directional use ensures the downstream circuit is vented
- Operated in the plane of the tube

Markets:

- Factory/Process Automation
- Food Processing
- Packaging

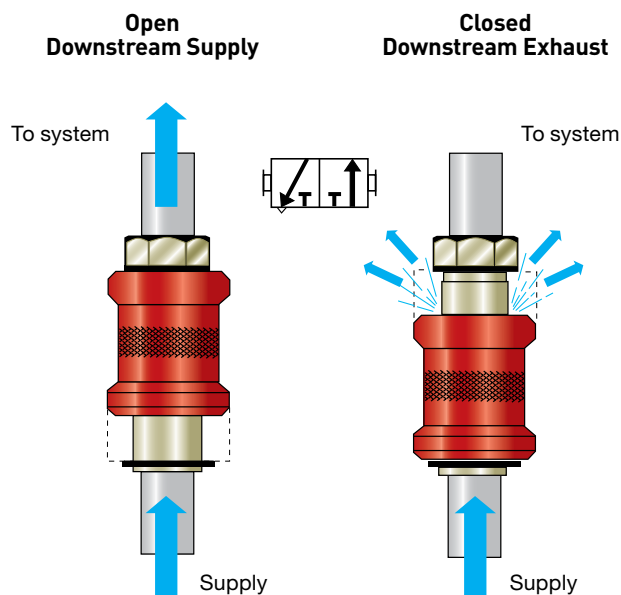
Applications:

- Pneumatics
- Conveyors
- Packaging
- Textile
- Plastics Engineering

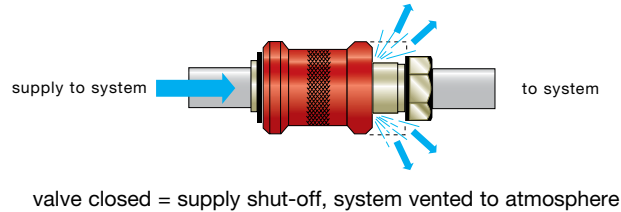
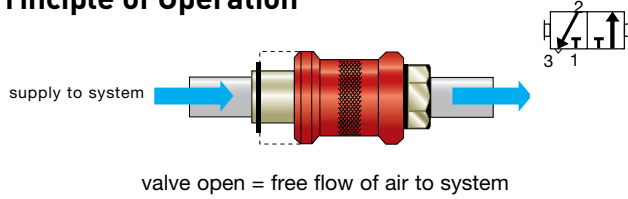
Specifications:

Pressure Range Up to 230 psi (16 bar)

Temperature Range 23° to 158° F (-5° to 70° C)



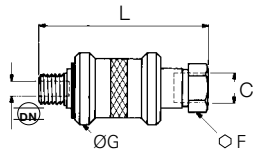
Principle of Operation



Parker Legris' pneumatic slide valves may be used to effect an immediate isolation of the air line by venting the system to atmosphere. By moving the sleeve in one direction, the air is free to pass through the slide valve to the system. By moving it in the opposite direction, the supply is shut off and the downstream air is allowed to exhaust to the atmosphere. The design is compact, neat, aesthetic and can be directly installed in the circuit.

Suitable Fluid	compressed air
Direction of Medium	one way
Maximum Working Pressure	230 psi (16 bar)
Working Temperature	15° to 175° F (-9° to 79° C)
Materials of Construction	sleeve: anodized aluminum body: nickel-plated brass seals: nitrile rubber

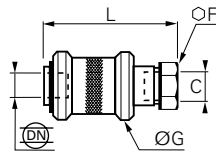
0661 male/female slide valves NPT



body: nickel-plated brass
sleeve: anodized aluminum
arrow indicates direction of flow

C NPT	DN	Part Number	F in	G in	L in	oz
1/8	.16	0661 04 11	.55	.98	2.19	2.47
1/4	.27	0661 07 14	.67	1.18	2.75	4.59
3/8	.39	0661 10 18	.87	1.38	3.21	7.59
1/2	.55	0661 14 22	1.06	1.57	3.75	11.30

0660/0669 double female slide valve NPT or BSPP



body: nickel-plated brass
sleeve: anodized aluminum
arrow indicates direction of flow

C NPT	DN	Part Number	F in	G in	L in	oz
1/8	.16	0660 04 11	.55	.98	1.89	2.12
1/4	.27	0660 07 14	.67	1.18	2.28	3.71
3/8	.39	0660 10 18	.87	1.38	2.68	6.18
1/2	.55	0660 14 22	1.06	1.57	3.15	9.53

C BSPP/M5	DN	Part Number	F mm	G mm	L mm	kg
M5x0.8	2	0669 02 19	10	14	30.5	.045
G1/8	4	0669 04 10	14	25	48	.051
G1/4	7	0669 07 13	19	30	58	.084
G3/8	10	0669 10 17	22	35	68	.153
G1/2	14	0669 14 21	27	40	80	.227
G3/4	19	0669 19 27	32	50	83	.242



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Quick Exhaust Valves



Parker Legris' quick exhaust valves can be used in all pneumatic equipment. It drastically increases system efficiency and the speed of a cylinder by purging cylinder exhaust air at the cylinder port rather than the control valve.

Product Features:

- Nickel-plated brass body
- Nylon seal
- Polyurethane piston
- Reduction in cycle times: return speed improved
- Excellent exhaust capacity
- Ideal for applications in restrictive environments
- Silicone-Free

Markets:

- Factory/Process Automation
- Packaging
- Industrial
- Pulp and Paper

Applications:

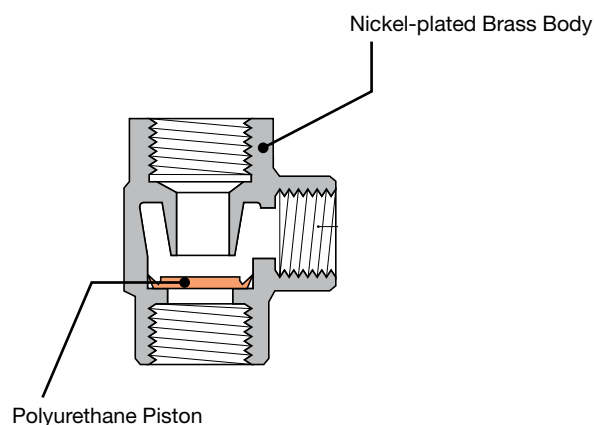
- Pneumatics
- Conveyors
- Packaging
- Textile
- Plastics Engineering

Specifications:

Pressure Range 10 to 150 psi (0.7 to 10 bar)

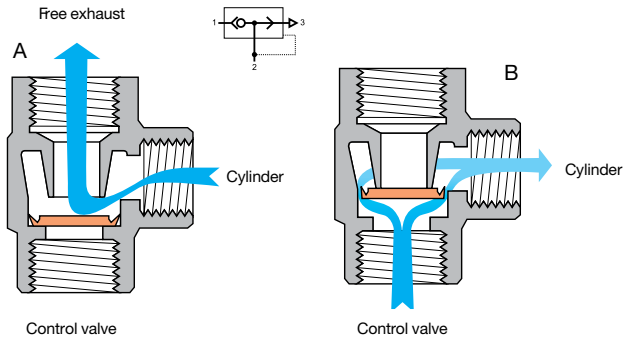
Temperature Range 0° to 160° F (-18° to 71° C)

Materials of Construction
 body: nickel-plated brass
 seal: nylon
 piston: polyurethane

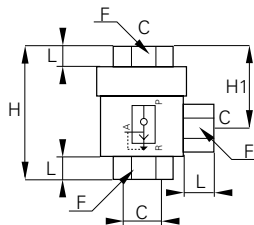
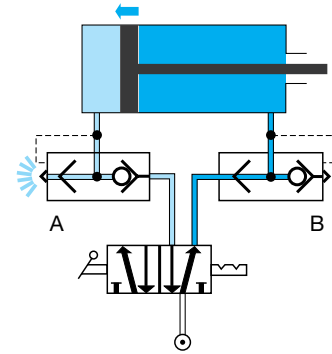


Operation

Mounted on Cylinder



Installation Diagram



nickel-plated brass body

7982

quick exhaust valves threaded ports – NPT

C NPT	Part Number	F mm	H1 in	L in	H in	oz
1/8	7982 11 11	14	1.10	.28	1.69	2.97
1/4	7982 14 14	19	1.38	.37	2.11	5.18
3/8	7982 18 18	20	1.42	.35	2.19	5.64
1/2	7982 22 22	26	1.77	.55	2.83	11.29

7970

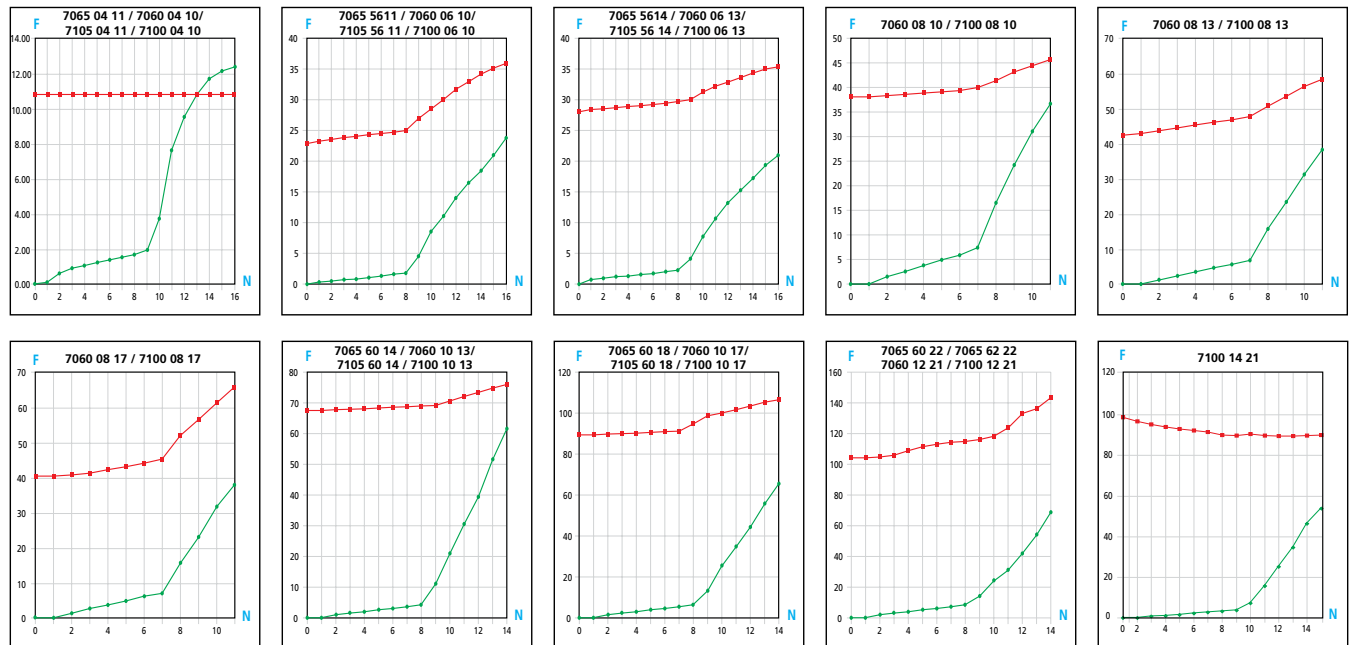
quick exhaust valves threaded ports – BSPP

C BSPP	Part Number	E mm	F mm	H mm	H1 mm	L mm	kg
M5x0.8	7970 19 19	5	10	24.8	15.6	4	.029
G1/8	7970 10 10	7.5	14	42	28	8	.084
G1/4	7970 13 13	11	19	53	34.5	11	.148
G3/8	7970 17 17	12	21	58	36	12	.153
G1/2	7970 21 21	14	26	71	44	14	.316
G3/4	7970 27 27	16	32	86	52	18	.449
G1	7970 34 34	19	38	94	56	19	.531

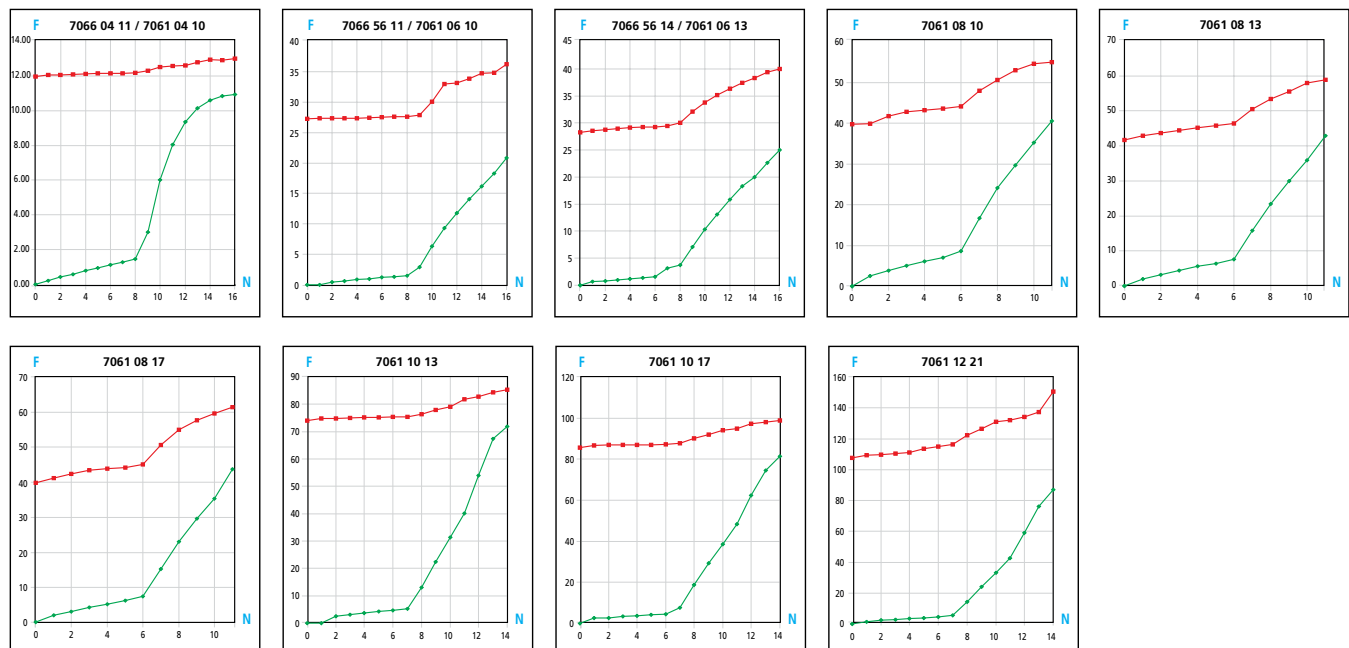


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7060/7065 – 7100/7105 | compact and metal flow controls



7066/7061



87 psi

= return direction

= number of turns

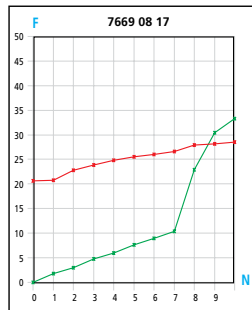
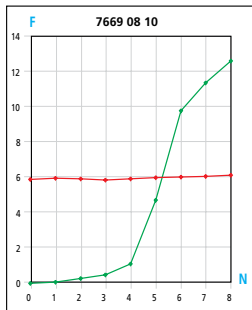
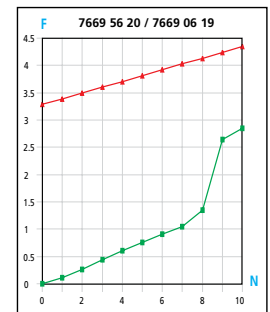
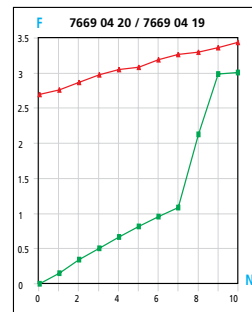
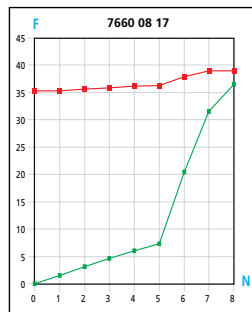
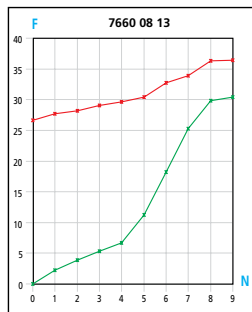
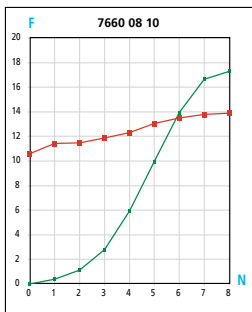
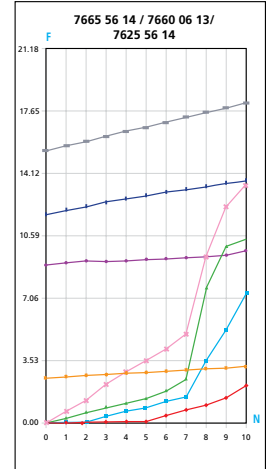
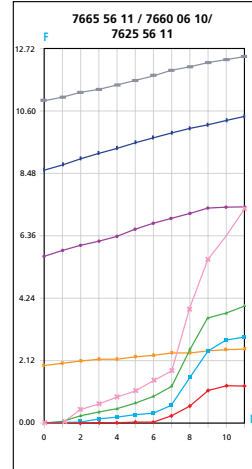
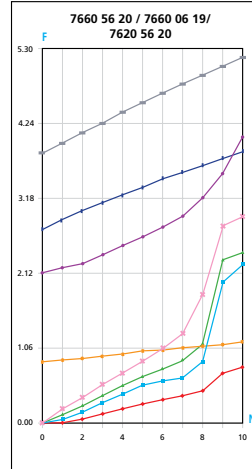
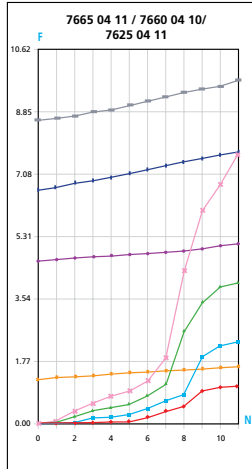
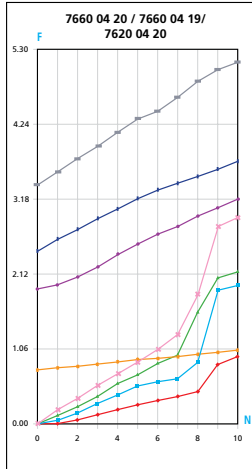
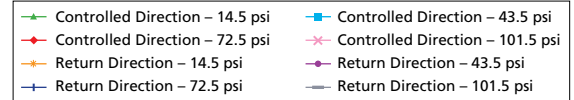
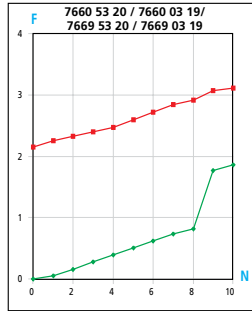
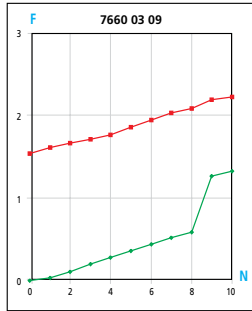
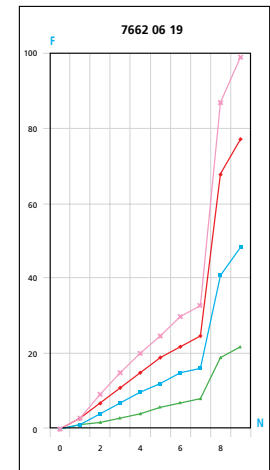
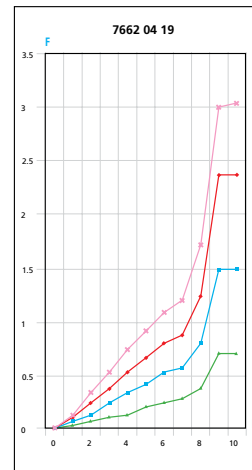
= controlled direction

= flow in SCFM

7067/7062

Flow characteristics of models 7067/7062:

- meter out version: see model 7065/7060 controlled direction
- meter in version: see model 7066/7061 controlled direction

7660/7665 – 7620/7625 – 7669 | mini flow controls**7662**

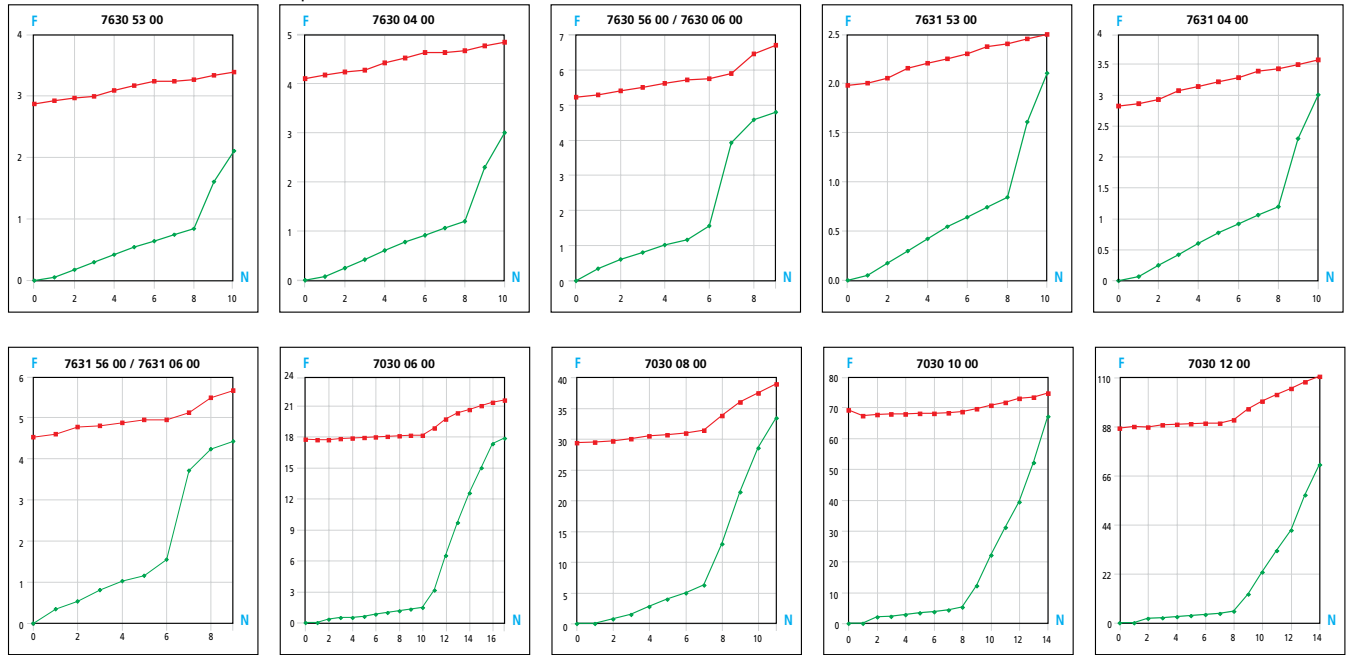
87 psi

= return direction

N = number of turns

= controlled direction

F = flow in SCFM

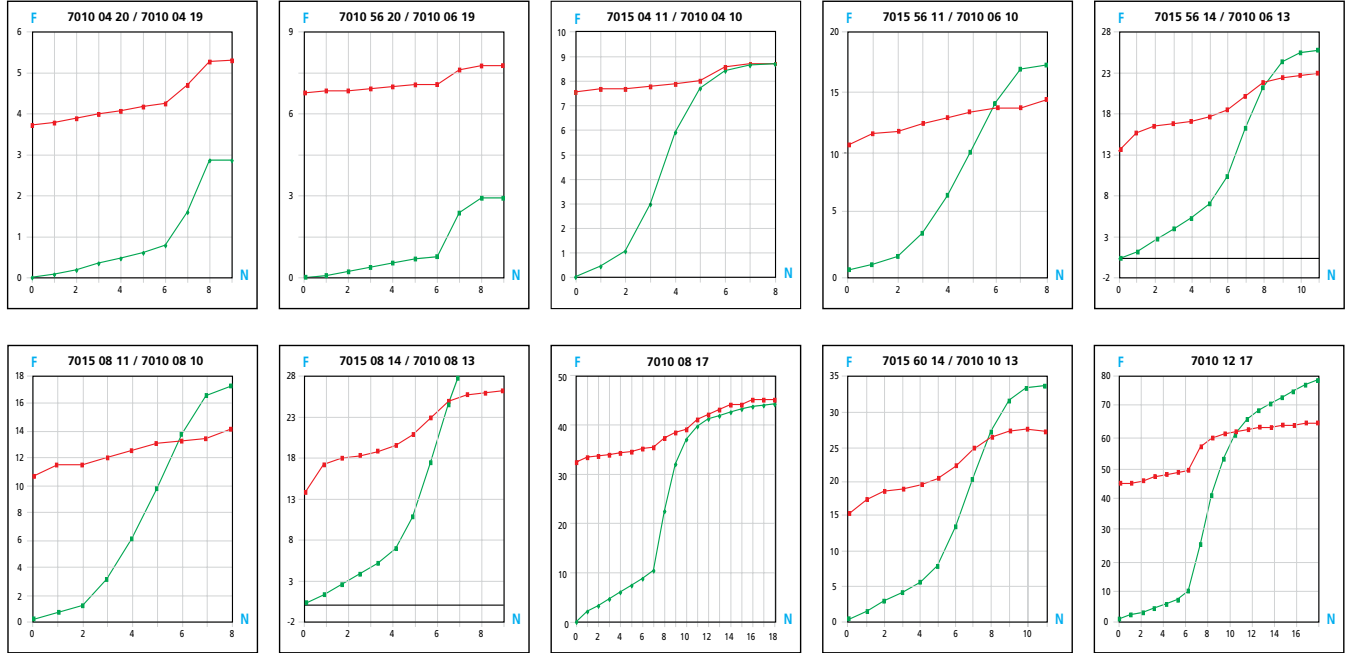
7630/7631/7030 | plug-in flow controls

87 psi

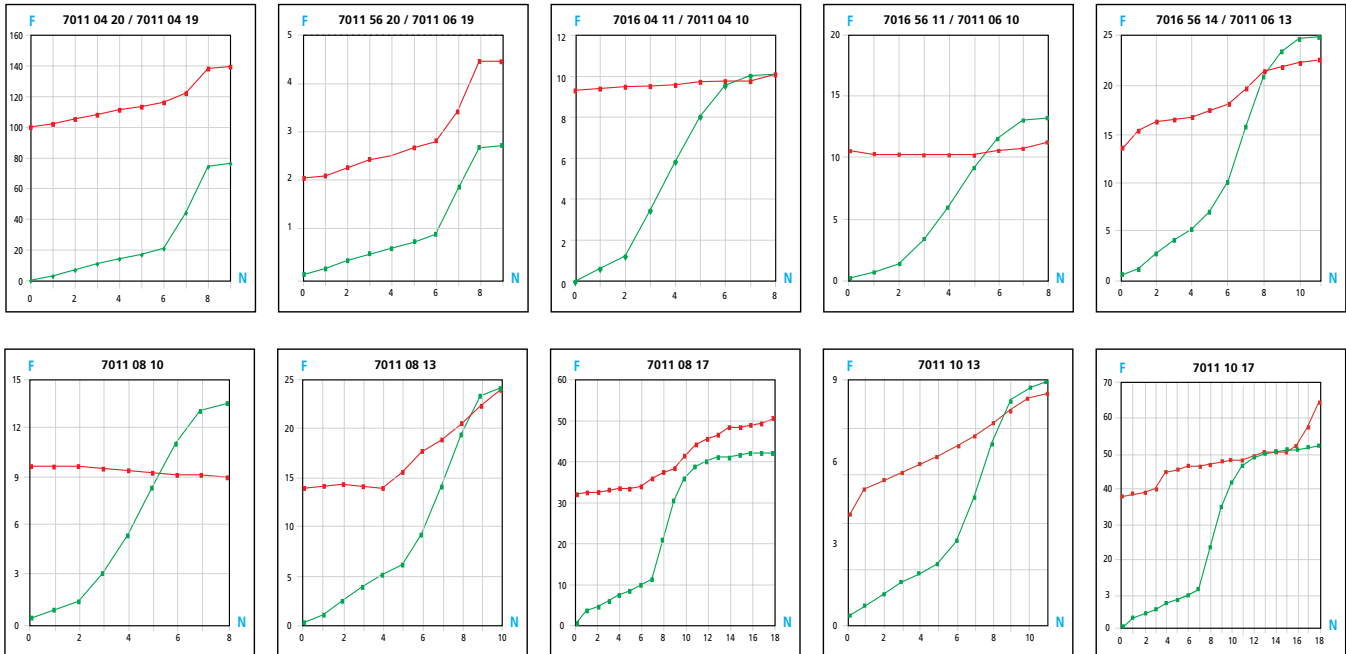
■ = return direction
■ = controlled direction

N = number of turns
F = flow in SCFM

7010/7015 | knobless flow controls



7011/7016



87 psi

■ = return direction

N = number of turns

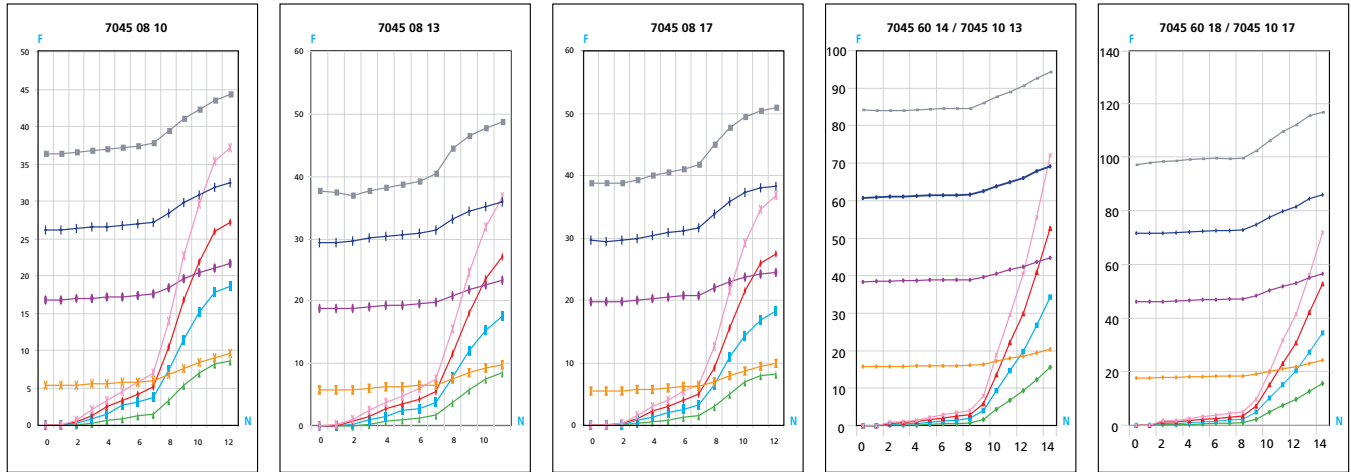
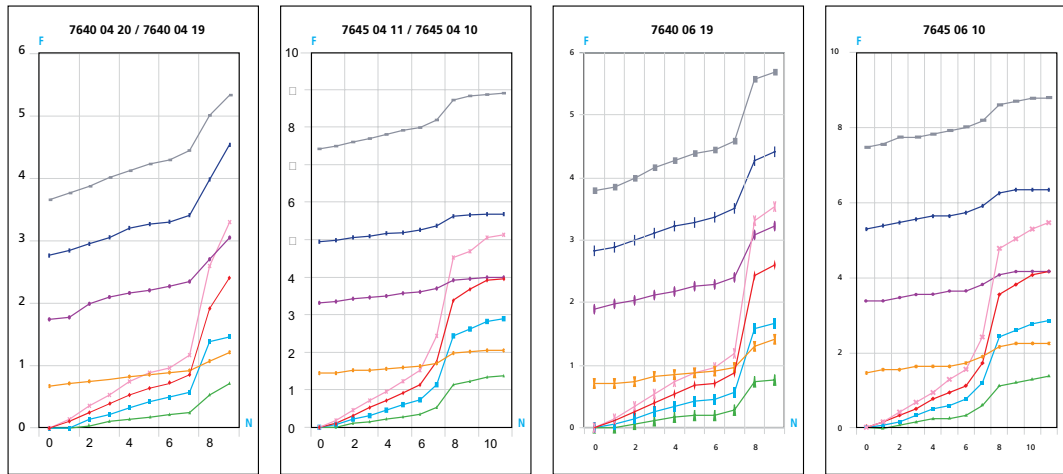
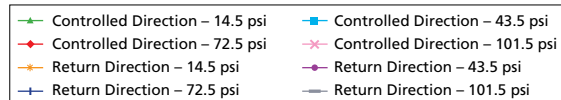
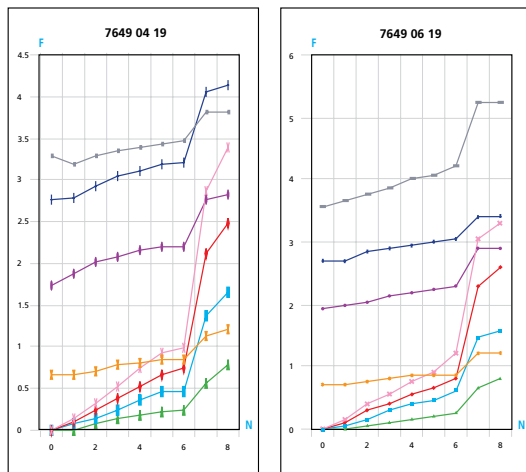
■ = controlled direction

F = flow in SCFM

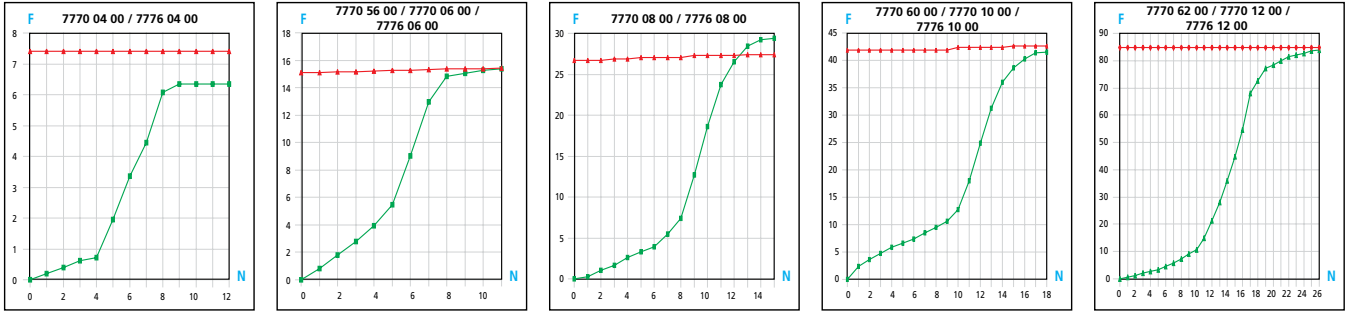
7012

Flow characteristics of models 7012:

- meter out version: see model 7010 controlled direction
- meter in version: see model 7011 controlled direction

7045 | swivel outlet**7640/7645****7649**

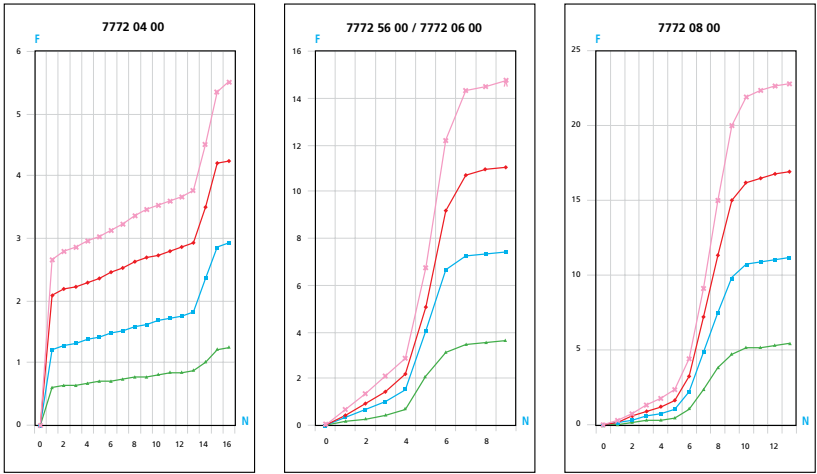
7770/7776 | in-line flow controls



87 psi

■ = return direction N = number of turns
■ = controlled direction F = flow in SCFM

7772



— Controlled Direction – 14.5 psi — Controlled Direction – 43.5 psi
— Controlled Direction – 72.5 psi — Controlled Direction – 101.5 psi
— Return Direction – 14.5 psi — Return Direction – 43.5 psi
— Return Direction – 72.5 psi — Return Direction – 101.5 psi



Industrial Compression Style Fittings

Fractional Compression
Fittings

Metric Compression
Fittings

Poly-Tite Fittings

Complementary Brass
Fittings, Sleeves and Nuts





Installing Compression Fittings

Cutting the Tube



Cut the polymer or metal tube square.

Preparing the Connection



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



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

Connecting the Tube



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

Final Assembly



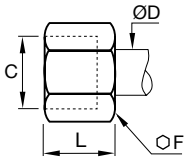
Tighten the nut using a spanner or torque wrench to enable the sleeve to bite on the tube, the connection being completed when the recommended tightening torque is reached (see tables below).



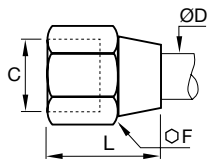
It is recommended to use an insert in order to prevent tube creeping (diameter > 14mm)

Recommended Nut Tightening Torque

Tightening torque in daN.m = maximum tightening torque of a 0110 nut and 0124 sleeve with copper, brass or steel tube.



Nut 0110 and 0110..40



Nut 0110..60

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

Customized Fittings

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

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

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



The use of Parker Legris brass compression fittings is dependant on the tube material. Tables of recommended working pressure for the different tubes are shown below.

Recommended Tube Type

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

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

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

Steel tube: “thin wall” cold drawn, seamless, bright annealed and in straight lengths.

6 mm to 16 mm O.D.: max. wall thickness 1 mm

Above 16 mm O.D.: max. wall thickness 1.5 mm

Nylon tube: semi-rigid

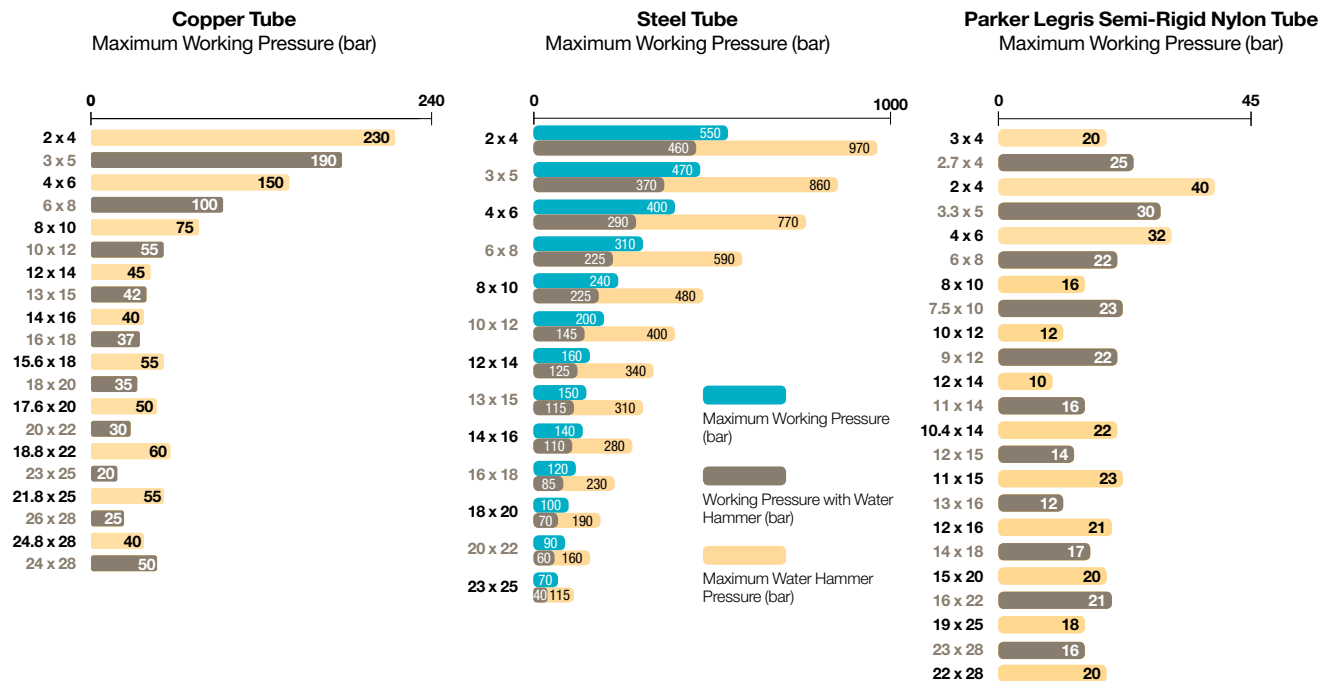
For rigid nylon tube, multiply the figures in this table by 1.8.

Recommended Tube-Fitting Assembly Configurations

Assembled using Parker Legris brass sleeve and nut.

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

Assembled using Parker Legris brass sleeve and nut.



Working Pressure Coefficients for Semi-Rigid Nylon Tubing

Temperature °C	-40° F / 5° F (-40° C / -15° C)	5° F / 86° F (-15° C / +30° C)	86° F / 122° F (+30° C / +50° C)	122° F / 158° F (+50° C / +70° C)	158° F / 212° F (+70° C / +100° C)
Factor	1.8	1	0.68	0.55	0.31

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

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

Brass Fractional Compression Fittings



Parker Legris' fractional compression fittings provide users with an economical choice with numerous connection options for a wide variety of tube materials without the need for flaring, soldering or other tube preparation necessary to assemble.

Product Features:

- Meets functional requirements of SAE J-512
- Brass or acetal sleeve available
- No tube preparation
- Forged and extruded shapes

Markets:

- Industrial
- Packaging
- Pneumatic
- Printing

Applications:

- Air Lines
- Lubrication Lines
- Cooling Lines
- Industry
- Machinery
- Compressors
- Fluid Transfer

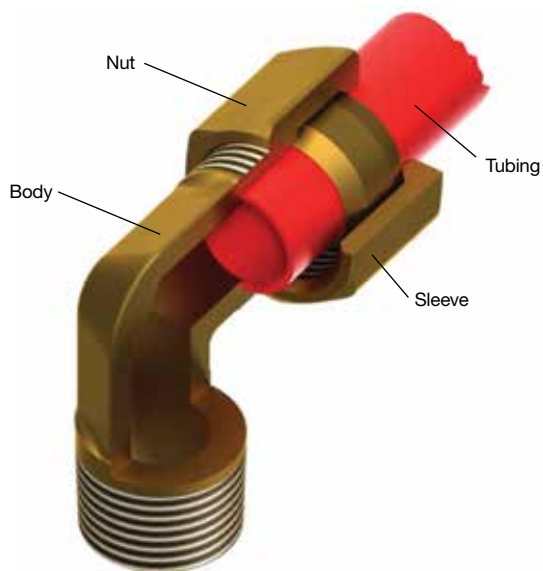
Specifications:

Pressure Range	1/8, 3/16	400 psi	(27.6 bar)
	1/4, 5/16	300 psi	(20.7 bar)
	3/8, 1/2	200 psi	(14 bar)
	5/8	150 psi	(10 bar)
	3/4	100 psi	(7 bar)
	7/8	75 psi	(5 bar)

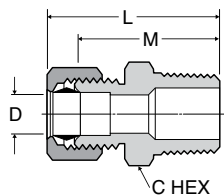
Temperature Range -65° to 200° F (-54° to 93° C)

Compatible Tubing:

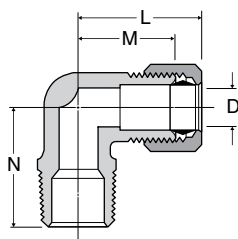
- Copper
- Aluminum
- Semi-Rigid Nylon



tube to male fittings**68C**male connector
NPTF
p. E6**169C-269C**male elbow
NPTF
p. E6**171C**male run tee
NPTF
p. E7**172C**male branch tee
NPTF
p. E7**176C**adaptor
NPTF
p. E7**179C**45° male elbow
NPTF
p. E7**682C**tank fitting
NPTF
p. E7**tube to female fittings****66C**female connector
NPT
p. E8**66P**female connector
NPT
p. E8**170C-270C**female elbow
NPT
p. E8**177C**female branch tee
NPT
p. E8**tube to tube fittings****62C**union
p. E9**164C-264C**union tee
p. E9**164C-264C**unequal union tee
p. E9**165C-265C**union elbow
p. E9**bulkhead union fittings****62CBH**bulkhead union
p. E9**auxiliary components****60C**sleeve
p. E10**60PT**plastic sleeve
p. E10**61C**nut
p. E10**61CL**long nut
p. E10**63PT**tube support
p. E11**639C**seal plug
p. E11

**68C** male connector fractional inch tube to male NPT

ØD in	NPT Thread	Part Number	Straight Thread	C in	L in	M in	Flow Dia. D
1/8	1/16	68C-2-1	5/16-24	3/8	.99	.78	.095
1/8	1/8	68C-2-2	5/16-24	7/16	.97	.77	.094
3/16	1/16	68C-3-1	3/8-24	3/8	1.08	.84	.125
3/16	1/8	68C-3-2	3/8-24	7/16	1.08	.84	.125
3/16	1/4	68C-3-4	3/8-24	9/16	1.27	1.03	.125
1/4	1/8	68C-4-2	7/16-24	7/16	1.10	.86	.188
1/4	1/4	68C-4-4	7/16-24	9/16	1.30	1.06	.188
1/4	3/8	68C-4-6	7/16-24	11/16	1.27	1.03	.188
1/4	1/2	68C-4-8	7/16-24	7/8	1.55	1.31	.188
5/16	1/8	68C-5-2	1/2-24	1/2	1.15	.89	.234
5/16	1/4	68C-5-4	1/2-24	9/16	1.33	1.07	.250
3/8	1/8	68C-6-2	9/16-24	9/16	1.25	.97	.250
3/8	1/4	68C-6-4	9/16-24	9/16	1.42	1.14	.312
3/8	3/8	68C-6-6	9/16-24	11/16	1.44	1.16	.312
3/8	1/2	68C-6-8	9/16-24	7/8	1.53	1.25	.312
7/16	1/4	68C-7-4	5/8-24	5/8	1.50	1.17	.312
1/2	1/4	68C-8-4	11/16-20	11/16	1.60	1.20	.312
1/2	3/8	68C-8-6	11/16-20	11/16	1.60	1.20	.406
1/2	1/2	68C-8-8	11/16-20	7/8	.71	1.31	.406
5/8	3/8	68C-10-6	13/16-18	13/16	1.73	1.31	.406
5/8	1/2	68C-10-8	13/16-18	7/8	.90	1.48	.500
5/8	3/4	68C-10-12	13/16-18	1-1/16	1.98	1.56	.500
3/4	1/2	68C-12-8	1-18	1	2.05	1.60	.562
3/4	3/4	68C-12-12	1-18	1-1/16	2.08	1.63	.656
7/8	3/4	68C-14-12	1-1/8-18	1-1/8	1.76	1.41	.75

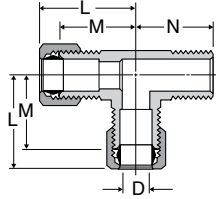
**169C-269C** male elbow fractional inch tube to male NPT

ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	Flow Dia. D
1/8	1/16	169C-2-1	5/16-24	.99	.78	.67	.095
1/8	1/8	269C-2-2	5/16-24	.97	.77	.67	.094
3/16	1/16	169C-3-1	3/8-24	1.08	.84	.67	.126
3/16	1/8	169C-3-2	3/8-24	1.08	.84	.69	.125
3/16	1/8	269C-3-2	3/8-24	1.08	.84	.67	.125
3/16	1/4	169C-3-4	3/8-24	1.27	1.03	.93	.125
1/4	1/8	169C-4-2	7/16-24	1.10	.86	.74	.188
1/4	1/8	269C-4-2	7/16-24	1.10	.86	.73	.188
1/4	1/4	169C-4-4	7/16-24	1.30	1.06	.94	.188
1/4	1/4	269C-4-4	7/16-24	1.30	1.06	.79	.188
1/4	3/8	169C-4-6	7/16-24	1.27	1.03	1.00	.188
1/4	1/2	169C-4-8	7/16-24	1.55	1.31	.74	.188
5/16	1/8	169C-5-2*	1/2-24	1.15	.89	.73	.234
5/16	1/8	269C-5-2*	1/2-24	1.15	.89	.93	.250
5/16	1/4	169C-5-4	1/2-24	1.33	1.07	.82	.250
5/16	1/4	269C-5-4	1/2-24	1.33	1.07	1.00	.250
3/8	1/8	169C-6-2*	9/16-24	1.25	.97	.74	.234
3/8	1/8	269C-6-2*	9/16-24	1.25	.97	.75	.220
3/8	1/4	169C-6-4	9/16-24	1.42	1.14	.93	.312
3/8	1/4	269C-6-4	9/16-24	1.42	1.14	.92	.312
3/8	3/8	169C-6-6	9/16-24	1.44	1.16	1.00	.312
3/8	3/8	269C-6-6	9/16-24	1.44	1.16	.97	.312
3/8	1/2	169C-6-8	9/16-24	1.53	1.25	1.27	.312
7/16	3/8	269C-7-4	5/8-24	1.50	1.17	.98	.312
1/2	1/4	169C-8-4*	11/16-20	1.60	1.20	1.00	.312
1/2	3/8	169C-8-6	11/16-20	1.60	1.20	1.11	.406
1/2	1/2	169C-8-8	11/16-20	1.71	1.31	1.37	.406
5/8	1/2	169C-10-8	13/16-18	1.90	1.48	1.31	.500
3/4	1/2	169C-12-8	1-18	2.05	1.60	1.49	.562
3/4	3/4	169C-12-12	1-18	2.08	1.63	1.58	.562

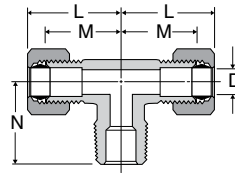
* For these parts, the pipe thread through hole is smaller than the through hole on the flare end.



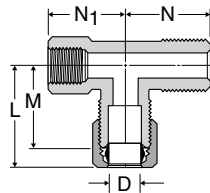
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

171C | **male run tee** fractional inch tube to male NPT

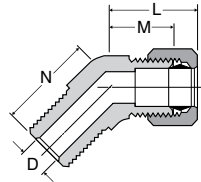
ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	Flow Dia. D
1/8	1/8	171C-2-2	5/16-24	.82	.61	.67	.094
3/16	1/8	171C-3-2	3/8-24	.86	.61	.67	.125
1/4	1/8	171C-4-2	7/16-24	.90	.64	.75	.188
1/4	1/4	171C-4-4	7/16-24	.93	.69	.92	.188
3/8	1/4	171C-6-4	9/16-24	1.09	.81	1.03	.312

172C | **male branch tee** fractional inch tube to male NPT

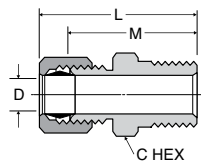
ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	Flow Dia. D
1/8	1/8	172C-2-2	5/16-24	.82	.61	.71	.094
3/16	1/8	172C-3-2	3/8-24	.86	.61	.71	.125
1/4	1/8	172C-4-2	7/16-24	.86	.61	.74	.188
1/4	1/4	172C-4-4	7/16-24	.93	.69	.92	.188
3/8	1/8	172C-6-2	9/16-24	1.03	.75	.75	.234
3/8	1/4	172C-6-4	9/16-24	1.09	.77	1.03	.312
3/8	3/8	172C-6-6	9/16-24	1.09	.81	1.00	.312
1/2	3/8	172C-8-6	9/16-24	1.34	.93	1.10	.406

176C | **adapter tee** fractional inch tube to male NPT

ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	N1 in	Flow Dia. D
1/4	1/8	176C-4-2	7/16-24	.93	.69	.75	.66	.188

179C | **45° male elbow** fractional inch tube to male NPT

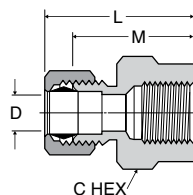
ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	Flow Dia. D
1/4	1/8	179C-4-2	7/16-24	.90	.66	.56	.188
1/4	1/4	179C-4-4	7/16-24	.80	.56	.84	.188
3/8	1/8	179C-6-2	9/16-24	.90	.63	.84	.312
3/8	1/4	179C-6-4	9/16-24	.90	.63	.84	.312
3/8	3/8	179C-6-6	9/16-24	.97	.75	.95	.312
1/2	3/8	179C-8-8	11/16-24	1.15	.81	.95	.406

682C | **tank fitting** fractional inch tube to male NPT

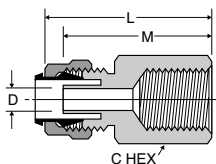
ØD in	NPT Thread	Part Number	Straight Thread	C in	L in	M in	Flow Dia. D
3/16	1/8	682C-3-2	3/8-24	7/16	1.06	.84	.195
3/8	3/8	682C-6-6	9/16-24	11/16	1.44	1.16	.387
1/2	1/2	682C-8-8	11/16-20	7/8	1.90	1.31	.516



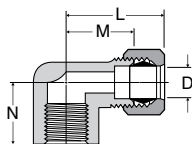
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

66C | **female connector** fractional inch tube to female NPT

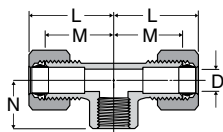
ØD in	NPT Thread	Part Number	Straight Thread	C in	L in	M in	Flow Dia. D
1/8	1/8	66C-2-2	5/16-24	9/16	.95	.75	.094
3/16	1/8	66C-3-2	3/8-24	9/16	1.02	.78	.125
3/16	1/4	66C-3-4	3/8-24	9/16	1.02	.78	.125
1/4	1/8	66C-4-2	7/16-24	9/16	1.02	.78	.188
1/4	1/4	66C-4-4	7/16-24	11/16	1.24	1.00	.188
5/16	1/8	66C-5-2	1/2-24	9/16	1.07	.81	.250
5/16	1/4	66C-5-4	1/2-24	11/16	1.29	1.03	.250
3/8	1/8	66C-6-2	9/16-24	9/16	1.06	.78	.312
3/8	1/4	66C-6-4	9/16-24	11/16	1.34	1.06	.312
3/8	3/8	66C-6-6	9/16-24	13/16	1.34	1.06	.312
3/8	1/2	66C-6-8	9/16-24	1	1.54	1.27	.312
7/16	3/8	66C-7-6	5/8-24	9/16	1.02	.78	.125
1/2	1/4	66C-8-4	11/16-20	9/16	1.02	.78	.125
1/2	3/8	66C-8-6	11/16-20	13/16	1.52	1.12	.406
1/2	1/2	66C-8-8	11/16-20	1	1.71	1.31	.406
5/8	1/2	66C-10-8	13/16-18	9/16	1.02	.78	.125

66P | **female connector** fractional inch tube to female NPT

ØD in	NPT Thread	Part Number	Straight Thread	C in	L in	M in	Flow Dia. D
1/4	1/8	66P-4-2	3/8-24	9/16	.97	.86	.125
1/4	1/4	66P-4-4	3/8-24	5/8	1.18	1.07	.125
5/16	1/8	66P-5-2	7/16-24	9/16	.97	.86	.144
3/8	1/4	66P-6-4	1/2-24	5/8	1.18	1.07	.204
1/2	3/8	66P-8-6	11/16-20	13/16	1.31	1.20	.323

170C-270C | **female elbow** fractional inch tube to female NPT

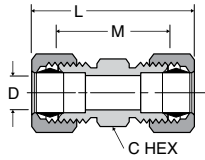
ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	Flow Dia. D
1/8	1/8	170C-2-2	5/16-24	.89	.69	.56	.094
3/16	1/8	170C-3-2	3/8-24	.98	.69	.56	.125
1/4	1/8	170C-4-2	7/16-24	.93	.69	.56	.188
1/4	1/8	270C-4-2	7/16-24	.91	.67	.54	.188
1/4	1/4	170C-4-4	7/16-24	1.02	.78	.67	.188
3/8	1/4	170C-6-2	9/16-24	1.06	.79	.73	.312
3/8	3/8	170C-6-6	9/16-24	1.22	.89	.69	.312
7/16	1/4	170C-7-6	5/8-24	1.27	.93	.73	.312
1/2	3/8	170C-8-6	11/16-20	1.34	1.00	.69	.406
1/2	1/2	170C-8-8	11/16-20	1.56	1.15	.97	.408
3/4	3/4	170C-10-8	1-18	2.06	1.58	1.58	.563

177C | **female branch tee** fractional inch tube to female NPT

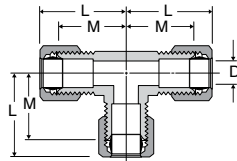
ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	Flow Dia. D
1/4	1/8	177C-4-2	7/16-24	.86	.63	.53	.188



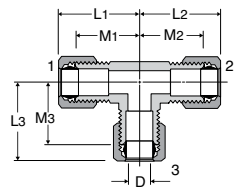
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

62C | **union** fractional inch tube to tube

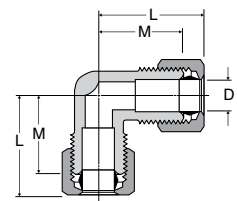
ØD in	Part Number	Straight Thread	C in	L in	M in	Flow Dia. D
1/8	62C-2	5/16-24	5/16	1.05	.64	.094
3/16	62C-3	3/8-24	3/8	1.21	.72	.125
1/4	62C-4	7/16-24	7/16	1.33	.79	.188
5/16	62C-5	1/2-24	1/2	1.39	.85	.250
3/8	62C-6	9/16-24	9/16	1.52	.97	.312
7/16	62C-7	5/8-24	5/8	1.70	1.02	.312
1/2	62C-8	11/16-20	11/16	1.90	1.08	.406
5/8	62C-10	13/16-18	13/16-18	2.06	1.23	.500
3/4	62C-12	1-18	1-18	2.37	1.41	.562
7/8	62C-14	1-1/8-18	1-1/8	2.07	1.19	.766

164C-264C | **union tee** fractional inch tube to tube

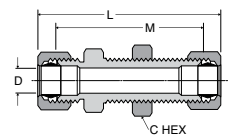
ØD in	Part Number	Straight Thread	L in	M in	Flow Dia. D
1/8	164C-2	5/16-24	.82	.61	.094
3/16	264C-3	3/8-24	.84	.60	.125
1/4	164C-4	7/16-24	.86	.63	.188
1/4	264C-4	7/16-24	.84	.60	.188
5/16	164C-5	1/2-24	.98	.71	.250
3/8	164C-6	9/16-24	1.03	.74	.312
1/2	164C-8	11/16-20	1.34	.93	.406
5/8	164C-10	13/16-18	1.54	1.08	.500
3/4	164C-12	1-18	1.65	1.17	.563

164C-264C | **unequal union tee** fractional inch tube to tube

ØD1 in	ØD2 in	ØD3 in	Part Number	L1 in	L2 in	L3 in	M1 in	M2 in	M3 in	Flow Dia. D
3/8	1/4	1/4	164C-6-4-4	1.03	.96	.96	.75	.72	.72	.188
3/8	3/8	1/4	164C-6-6-4	1.03	.96	.96	.75	.75	.72	.188
1/2	1/2	3/8	164C-8-8-6	1.34	1.16	1.16	.94	.94	.88	.312

165C-265C | **union elbow** fractional inch tube to tube

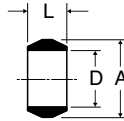
ØD in	Part Number	Straight Thread	L in	M in	Flow Dia. D
1/8	165C-2	5/16-24	.82	.61	.094
3/16	165C-3	3/8-24	.87	.61	.125
1/4	165C-4	7/16-24	.88	.61	.188
1/4	265C-4	7/16-24	.84	.60	.188
5/16	165C-5	1/2-24	.95	.71	.250
3/8	165C-6	9/16-24	1.03	.74	.312
7/16	165C-7	5/8-24	1.16	.82	.312
1/2	165C-8	11/16-20	1.34	.93	.406
5/8	165C-10	13/16-18	1.48	1.05	.500
3/4	165C-12	1-18	1.65	1.17	.563

62CBH | **bulkhead union** fractional inch tube to tube

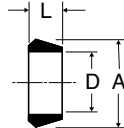
ØD in	Part Number	C in	L in	M in	Bulkhead Hole Dia.	Flow Dia. D
1/4	62CBH-4	9/16	2.29	1.75	7/16	.188
3/8	62CBH-6	11/16	2.42	1.88	9/16	.312



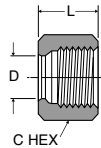
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**60C** | sleeve fractional inch

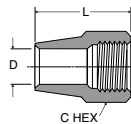
ØD in	Part Number	A in	D in	L in
1/8	60C-2	.187	.130	.19
3/16	60C-3	.266	.192	.22
1/4	60C-4	.344	.255	.25
5/16	60C-5	.406	.318	.25
3/8	60C-6	.469	.382	.25
7/16	60C-7	.531	.444	.31
1/2	60C-8	.594	.507	.38
5/8	60C-10	.719	.632	.38
3/4	60C-12	.875	.758	.44
7/8	60C-14	1.000	.883	.41

**60PT** | acetal sleeve fractional inch

ØD in	Part Number	Tube Wall in	A in	D in	L in
1/4	60PT-4	.040	.375	.254	.19
5/16	60PT-5	.062	.438	.317	.19
3/8	60PT-6	.062	.500	.379	.19
1/2	60PT-8	.062	.631	.507	.25
5/8	60PT-10	.062	.747	.632	.22

**61C** | nut fractional inch

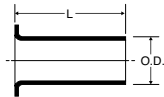
ØD in	Part Number	Straight Thread	C in	D in	L in
1/8	61C-2	5/16-24	3/8	.130	.38
3/16	61C-3	3/8-24	7/16	.192	.41
1/4	61C-4	7/16-24	1/2	.255	.44
5/16	61C-5	1/2-24	9/16	.318	.44
3/8	61C-6	9/16-24	5/8	.382	.47
7/16	61C-7	5/8-24	11/16	.444	.50
1/2	61C-8	11/16-20	13/16	.507	.62
5/8	61C-10	13/16-18	15/16	.632	.62
3/4	61C-12	1-18	1-3/16	.758	.69
7/8	61C-14	1-1/8-18	1-1/4	.890	.62

**61CL** | long nut fractional inch

ØD in	Part Number	Straight Thread	C in	D in	L in
1/4	61CL-4	7/16-24	1/2	.255	.75
5/16	61CL-5	1/2-24	9/16	.318	.84
3/8	61CL-6	9/16-24	5/8	.382	.97
1/2	61CL-8	11/16-20	13/16	.507	1.06
5/8	61CL-10	13/16-18	15/16	.632	1.19
3/4	61CL-12	1-18	1-3/16	.758	1.38

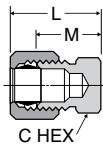


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63PT | **brass insert** fractional inch

Tube ØD in	Part Number	Tube Wall in	L in	ØD in
1/8	63PT-2-16	.016	.46	.080
1/8	63PT-2-23	.023	.45	.073
3/16	63PT-3-25	.025	.45	.135
3/16	63PT-3-40	.040	.52	.095
1/4	63PT-4-40	.040	.50	.163
1/4	63PT-4-62	.062	.33	.110
5/16	63PT-5-40	.040	.50	.232
5/16	63PT-5-62	.062	.53	.187
3/8	63PT-6-62	.062	.56	.250
1/2	63PT-8-62	.062	.72	.370
5/8	63PT-10-62	.062	.72	.483



639C | **seal plug** fractional inch

ØD in	Part Number	Straight Thread	C in	L in	M in
1/4	639C-4	7/16-24	7/16	.74	.50



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Brass Metric Compression Fittings



Parker Legris' metric compression fittings provide users with an economical choice with numerous connection options for a wide variety of tube materials without the need for flaring, soldering or other tube preparation necessary to assemble.

Product Features:

- 4mm – 28mm tube sizes
- NPT, BSPT, BSPP, metric threads
- NBR seal
- Silicone free

Markets:

- Factory/Process Automation
- Automotive Process
- Packaging
- Pneumatic
- Printing

Applications:

- Air Lines
- Lubrication Lines
- Cooling Lines
- Water
- Machinery
- Compressors
- Fluid transfer

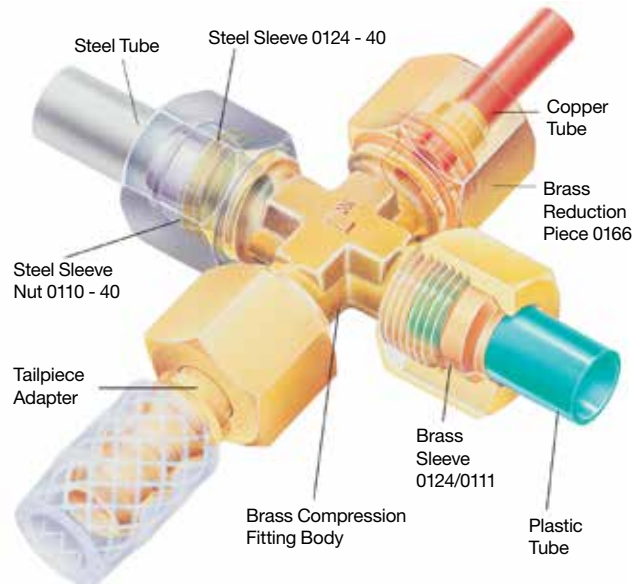
Specifications:

Pressure Range	4mm	3335 psi (230 bar)	14mm	652 psi (45 bar)
	6mm	2175 psi (150 bar)	16mm	580 psi (40 bar)
	8mm	1450 psi (100 bar)	18mm	536 psi (36 bar)
	10mm	1087 psi (75 bar)	20mm	507 psi (35 bar)
	12mm	797 psi (55 bar)	22mm	435 psi (30 bar)

Temperature Range -40° to 250° F (-40° to 121° C)

Compatible Tubing:

- Copper
- Aluminum
- Semi-Rigid Nylon



The table below details the service pressures of the fitting assembly together with the service and burst pressures of various tubes.

type of tube copper tube 'cold drawn' from straight bars						steel tube 'thin wall' unwelded cold drawn from annealed straight bars				
type of assembly with brass nut and sleeve						with treated steel sleeve and nut (suffix 40)				
metric tube designation	tube dimensions		maximum pressure of fitting assembly	maximum service pressure of tube	burst pressure of tubes	continuous maximum service pressure	service pressure with intermittent surge	maximum intermittent surge pressure	maximum service pressure of tube	burst pressure of tube
	O.D.	wall thickness								
2 x 4	4	1	3,330	6,380	31,900	8,000	6,670	14,000	8,410	26,830
3 x 5	5	1	2,755	4,060	20,300	6,800	5,365	12,475	7,100	20,300
4 x 6	6	1	2,175	3,190	16,000	5,800	4,200	11,170	6,090	17,840
6 x 8	8	1	2,175	2,100	10,600	4,500	3,260	8,560	4,640	13,345
8 x 10	10	1	1,090	1,600	8,000	3,480	2,680	6,960	3,625	10,730
10 x 12	12	1	800	1,230	6,380	2,900	2,100	5,800	3,045	8,935
12 x 14	14	1	650	1,060	5,220	2,320	1,810	4,900	2,610	7,690
13 x 15	15	1	610	960	4,785	2,175	1,660	4,500	2,390	7,100
14 x 16	16	1	580	900	4,500	2,030	1,600	4,060	2,250	6,670
16 x 18	18	1	535	800	3,900	1,740	1,230	3,335	1,885	5,800
15.6 x 18	18	1.2	800	970	6,500					
18 x 20	20	1	510	650	3,480	1,450	1,015	2,755	1,600	4,930
17.6 x 20	20	1.2	725	870	4,350					
20 x 22	22	1	435	465	3,045	1,305	870	2,320	1,305	4,200
18.8 x 22	22	1.6	870	1,070	5,365					
23 x 25	25	1	290	435	2,610	1,015	580	1,665	1,015	3,480
21.8 x 25	25	1.6	800	930	4,640					
26 x 28	28	1	360	480	2,390					
24.8 x 28	28	1.6	580	810	4,060					
24 x 28	28	2	725	1,060	5,295					
steel tube: supplied in straight lengths: copper tube: supplied in coils: reduce the above service pressures by 35%. Do not use in areas of vibration.						IMPORTANT: for use only on thin wall tubing from O.D. 6mm to O.D. 16mm - maximum wall thickness 1mm. Above 16mm maximum wall thickness 1.5mm.				

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

The table below is valid at 70° F.
For other temperatures apply
the relevant coefficient.

temperature ° F	-40° F / 5° F (-40° C / -15° C)	5° F / 90° F (-15° C / 32° C)	90° F / 122° (32° C / 50° C)	122° F / 160° F (50° C / 71° C)	160° F / 210° F (71° C / 99° C)
coefficient	1.8 not advised	1	0.68	0.55	0.31 not advised

type of tube nylon tube (semi-rigid) for rigid type, multiply figures by 1.8								
assembly with brass nut and sleeve						with semi-plastic fitting (type suffix 70)		
metric tube designation	tube dimensions		maximum service pressure of fitting assembly	maximum service pressure of nylon tube	burst pressure of tubes	maximum service pressure of fitting assembly	maximum service pressure of nylon tube	burst pressure of tube
	O.D.	wall thickness						
3 x 4	4	0.5	290	290	940	145	290	940
2.7 x 4	4	0.65	360	360	1,090	145	360	1,090
2 x 4	4	1	580	725	1,960	145	725	1,960
3.3 x 5	5	0.85	435	435	1,015			
4 x 6	6	1	465	465	1,230	145	465	1,230
6 x 8	8	1	320	320	840	145	320	840
8 x 10	10	1	230	230	610	145	230	610
7.5 x 10	10	1.25	330	330	825	145	330	825
10 x 12	12	1	175	175	465	145	175	465
9 x 12	12	1.5	320	320	910	145	320	910
12 x 14	14	1	145	145	390	145	145	390
11 x 14	14	1.5	230	230	755	145	230	755
10.4 x 14	14	1.8	320	320	960	145	320	960
12 x 15	15	1.5	200	200	700			
11 x 15	15	2	330	330	1,015			
13 x 16	16	2	175	175	640	145	175	640
12 x 16	16	2	300	300	960	145	300	960
14 x 18	18	2	245	245	840			
15 x 20	20	2.5	290	290	1,000			
16 x 22	22	3	300	300	1,000			
19 x 25	25	3	260	260	985			
23 x 28	28	2.5	230	230	725			
22 x 28	28	3	290	290	870			

Our brass compression fittings are not compatible with ammonia and its derivatives (ammonia fumes for example).

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

threaded fittings**0105**BSPT
p. E14**0105**NPT
p. E14**0101**metric
p. E15**0101**parallel/metric
p. E15**0101...39**parallel
p. E16**0114**parallel
p. E16**0109**BSPT
p. E17**0199**parallel
p. E17**0109**NPT
p. E17**0108**BSPT
p. E18**0103**BSPT
p. E18**0118**parallel
p. E19**0118...39**parallel
p. E19**0119**parallel
p. E20**0119...39**parallel
p. E20**tube-to-tube fittings****0106**

p. E21

**0116**

p. E21

**0102**

p. E21

**0104**

p. E22

**0142**

p. E22

**0107**

p. E22

**complementary fittings****0166**

p. E23

**0124**

p. E24

**0111**

p. E24

**0110**

p. E24

**0110...70**

p. E24

**accessories****0122**

p. E25

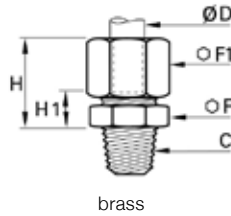
**0165**

p. E25

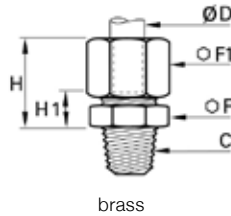
**0126**

p. E27

**0125**parallel
p. E28**0220**parallel
p. E28**0124**metric sleeve
p. E28**0124 40**metric steel sleeve
p. E28**0120**BSPT
p. E29**0128**parallel
p. E29**0112**metric
p. E29**0168**parallel
p. E30**0151**parallel
p. E30**0127**metric
p. E30

**0105** | **male connector** BSPT

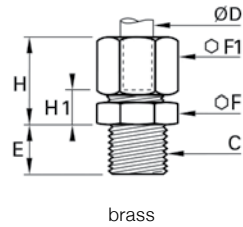
ØD mm	C BSPT	Part Number	F mm	F1 mm	H max mm	H1 mm	kg
4	R1/8	0105 04 10	10	10	17	7	.013
5	R1/8	0105 05 10	11	12	17.5	7.5	.017
5	R1/4	0105 05 13	14	12	17.5	7.5	.022
6	R1/8	0105 06 10	11	13	18	7.5	.017
6	R1/4	0105 06 13	14	13	18	7.5	.024
6	R3/8	0105 06 17	17	13	19	8.5	.031
8	R1/8	0105 08 10	13	14	19.5	7	.021
8	R1/4	0105 08 13	14	14	19.5	7	.026
8	R3/8	0105 08 17	17	14	20.5	8	.032
10	R1/8	0105 10 10	17	19	24	9	.043
10	R1/4	0105 10 13	17	19	24	9	.047
10	R3/8	0105 10 17	17	19	24	9	.048
10	R1/2	0105 10 21	22	19	25	10	.067
12	R1/4	0105 12 13	19	22	24	9	.059
12	R3/8	0105 12 17	19	22	24	9	.061
12	R1/2	0105 12 21	22	22	25	10	.076
14	R1/4	0105 14 13	22	24	25	8	.067
14	R3/8	0105 14 17	22	24	25	8	.069
14	R1/2	0105 14 21	22	24	26	9	.079
14	R3/4	0105 14 27	27	24	27	10	.105
15	R3/8	0105 15 17	22	24	25	8	.064
15	R1/2	0105 15 21	22	24	26	9	.075
16	R1/4	0105 16 13	24	27	27	9.5	.091
16	R3/8	0105 16 17	24	27	27	9.5	.092
16	R1/2	0105 16 21	24	27	27	9.5	.100
16	R3/4	0105 16 27	27	27	28	10.5	.120
18	R1/2	0105 18 21	27	30	30	10.5	.130
18	R3/4	0105 18 27	27	30	30	10.5	.140
20	R1/2	0105 20 21	30	32	32	11	.148
20	R3/4	0105 20 27	30	32	32	11	.156
22	R1/2	0105 22 21	32	36	33	11	.180
22	R3/4	0105 22 27	32	36	33	11	.193
22	R1	0105 22 34	36	36	33	11	.226
25	R3/4	0105 25 27	36	41	36	11	.263
25	R1	0105 25 34	36	41	36	11	.277
28	R3/4	0105 28 27	41	42	36	11	.272
28	R1	0105 28 34	41	42	36	11	.287

0105 | **male connector** NPT

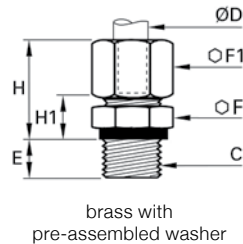
ØD mm	C NPT	Part Number	F mm	F1 mm	H max mm	H1 mm	kg
6	1/8	0105 06 11	11	13	18	7.5	.018
6	1/4	0105 06 14	14	13	18	7.5	.028
8	1/8	0105 08 11	13	14	21	7	.021
8	1/4	0105 08 14	14	14	18.5	7	.026
10	1/4	0105 10 14	17	19	24	9	.047
10	3/8	0105 10 18	17	19	24	9	.048
10	1/2	0105 10 22	22	19	25	10	.067



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0101 | **male connector** parallel metric thread

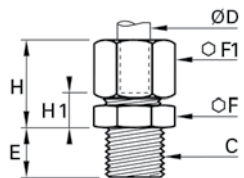
ØD mm	C Metric	Part Number	E mm	F mm	F1 mm	H max mm	H1 mm	kg
4	M7x1	0101 04 55	6.5	10	10	16.5	7.5	.013
4	M8x1	0101 04 56	6.5	11	10	16.5	7.5	.013
5	M8x1	0101 05 56	6.5	11	12	17.5	8	.016
5	M10x1	0101 05 60	6.5	14	12	17.5	8.5	.021
6	M10x1	0101 06 60	6.5	14	13	18	8.5	.022
6	M10x1.5	0101 06 62	6.5	14	13	18	8.5	.021
8	M12x1	0101 08 65	8	17	14	19.5	9	.031
8	M12x1.25	0101 08 66	8	17	14	19.5	9	.031
8	M13x1.25	0101 08 68	8	17	14	19.5	9	.032
10	M14x1.25	0101 10 70	8	17	19	24	11	.047
10	M14x1.5	0101 10 71	8	17	19	24	11	.047
10	M16x1.25	0101 10 74	9	19	19	24	11	.052
10	M16x1.5	0101 10 75	9	19	19	24	11	.054
10	M18x1.5	0101 10 78	9	22	19	24	11.5	.060
12	M16x1.25	0101 12 74	9	19	22	24	11	.062
12	M16x1.5	0101 12 75	9	19	22	24	11	.060
12	M18x1.5	0101 12 78	9	22	22	24	11.5	.070
14	M18x1.5	0101 14 78	9	22	24	25	10.5	.075
14	M20x1.5	0101 14 80	10	24	24	25	7.5	.085
15	M18x1.5	0101 15 78	9	22	24	25	10.5	.072
16	M20x1.5	0101 16 80	10	24	27	27	12.5	.104
16	M22x1.5	0101 16 82	10	27	27	27	12.5	.113
18	M22x1.5	0101 18 82	10	27	30	29.5	12.5	.131
18	M24x1.5	0101 18 83	11	30	30	29.5	13	.142

0101 | **male connector** BSPP or M5

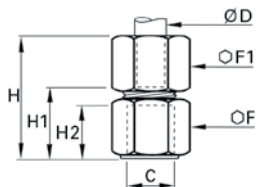
ØD mm	C BSPP/Metric	Part Number	E mm	F mm	F1 mm	H max mm	H1 mm	kg
4	M5x0.8	0101 04 19	5	10	10	16.5	8	.012
4	G1/8	0101 04 10	6.5	13	10	16.5	8	.017
5	G1/8	0101 05 10	6.5	13	12	17.5	8.5	.019
6	G1/8	0101 06 10	6.5	13	13	18	8.5	.022
6	G1/4	0101 06 13	8	17	13	18	9.5	.034
8	G1/8	0101 08 10	6.5	13	14	19	8.5	.023
8	G1/4	0101 08 13	8	17	14	19.5	9	.034
8	G3/8	0101 08 17	11	22	14	20	10.5	.046
10	G1/4	0101 10 13	8	17	19	24	11	.049
10	G3/8	0101 10 17	11	22	19	24	11.5	.061
12	G1/4	0101 12 13	8	19	22	24	11	.062
12	G3/8	0101 12 17	11	22	22	24	11.5	.072
12	G1/2	0101 12 21	12	27	22	24	12	.090
14	G3/8	0101 14 17	11	22	24	25	10.5	.074
14	G1/2	0101 14 21	12	27	24	25	11	.097
15	G3/8	0101 15 17	11	22	24	25	10.5	.071
15	G1/2	0101 15 21	12	27	24	25	11	.112
16	G3/8	0101 16 17	11	22	27	27	12	.090
16	G1/2	0101 16 21	12	27	27	27	12.5	.110
18	G1/2	0101 18 21	12	27	30	29.5	12.5	.136
18	G3/4	0101 18 27	13	32	30	29.5	13	.153
20	G3/4	0101 20 27	13	32	32	31	13	.163
22	G3/4	0101 22 27	13	32	36	32	13	.195
22	G1	0101 22 34	15	41	36	31	13.5	.260
25	G1	0101 25 34	15	41	41	35.5	13	.306
28	G1	0101 28 34	15	41	42	35.5	13.5	.398



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

0101...39 | **male connector** BSPPbrass with
bi-material seal

ØD mm	C BSPP	Part Number	E mm	F mm	F1 mm	G mm	H mm	H1 mm	kg
4	G1/8	0101 04 10 39	5.5	13	10	14	17.5	9	.017
5	G1/8	0101 05 10 39	5.5	13	12	14	18.5	9.5	.019
6	G1/8	0101 06 10 39	5.5	13	13	14	19	9.5	.022
6	G1/4	0101 06 13 39	7	17	13	17	19	10.5	.034
8	G1/8	0101 08 10 39	5.5	13	14	14	20	9.5	.023
8	G1/4	0101 08 13 39	7	17	14	17	20.5	10	.034
8	G3/8	0101 08 17 39	9.5	22	14	22	21.5	12	.046
10	G1/4	0101 10 13 39	7	17	19	17	25	12	.049
10	G3/8	0101 10 17 39	9.5	22	19	22	25.5	13	.061
12	G1/4	0101 12 13 39	7	19	22	17	25	12	.062
12	G3/8	0101 12 17 39	9.5	22	22	22	25	13	.072
12	G1/2	0101 12 21 39	10.5	27	22	26	25	13.5	.090
14	G3/8	0101 14 17 39	9.5	22	24	22	26.5	12	.074
14	G1/2	0101 14 21 39	10.5	27	24	26	26.5	12.5	.097
15	G3/8	0101 15 17 39	9.5	22	24	22	26.5	12	.071
15	G1/2	0101 15 21 39	10.5	27	24	26	26.5	12.5	.112
16	G3/8	0101 16 17 39	9.5	22	27	22	28.5	13.5	.090
16	G1/2	0101 16 21 39	10.5	27	27	26	28.5	14	.110
18	G1/2	0101 18 21 39	10.5	27	30	26	31	14	.136
18	G3/4	0101 18 27 39	11.5	32	30	32	31	14.5	.153
20	G3/4	0101 20 27 39	11.5	32	32	32	32.5	14.5	.163
22	G3/4	0101 22 27 39	11.5	32	36	32	33.5	14.5	.195
22	G1	0101 22 34 39	13	41	36	39.5	33	15.5	.260
25	G3/4	0101 25 27 39	11.5	36	41	32	37	14.5	.262
25	G1	0101 25 34 39	13	41	41	39.5	37.5	15.5	.306
28	G1	0101 28 34 39	13	41	42	39.5	37.5	15.5	.398

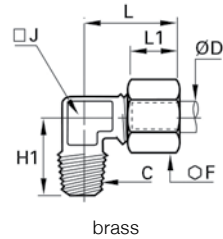
0114 | **female connector** BSPP

brass

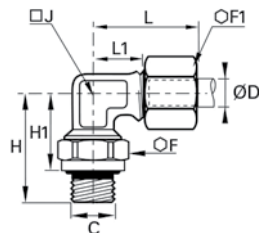
ØD mm	C BSPP	Part Number	F mm	F1 mm	H max mm	H1 mm	H2 mm	kg
4	G1/8	0114 04 10	14	10	26	16.5	9.5	.021
4	G1/4	0114 04 13	17	10	30	20.5	13.5	.029
5	G1/8	0114 05 10	14	12	28	17	9.5	.024
5	G1/4	0114 05 13	17	12	31	21	13.5	.033
6	G1/8	0114 06 10	14	13	28	17	9.5	.025
6	G1/4	0114 06 13	17	13	32	21	13.5	.034
6	G3/8	0114 06 17	22	13	32	21.5	14	.051
8	G1/8	0114 08 10	14	14	29	16.5	9.5	.027
8	G1/4	0114 08 13	17	14	33	20.5	13.5	.035
8	G3/8	0114 08 17	22	14	34	21	14	.052
10	G1/4	0114 10 13	17	19	37	21.5	13.5	.051
10	G3/8	0114 10 17	22	19	37	22	14	.069
10	G1/2	0114 10 21	27	19	42	26.5	18.5	.100
12	G1/4	0114 12 13	19	22	36	20.5	13.5	.069
12	G3/8	0114 12 17	22	22	37	22	14	.077
12	G1/2	0114 12 21	27	22	42	26.5	18.5	.109
14	G1/4	0114 14 13	22	24	36	18.5	13.5	.084
14	G3/8	0114 14 17	22	24	38	21	14	.081
14	G1/2	0114 14 21	27	24	43	25.5	18.5	.112
15	G3/8	0114 15 17	22	24	38	21	14	.077
15	G1/2	0114 15 21	27	24	43	25.5	18.5	.109
16	G1/4	0114 16 13	24	27	36	18	13.5	.110
16	G3/8	0114 16 17	24	27	38	20.5	14	.106
16	G1/2	0114 16 21	27	27	44	26	18.5	.129
18	G3/8	0114 18 17	27	30	39	19.5	14	.141
18	G1/2	0114 18 21	27	30	45	26	18.5	.146
18	G3/4	0114 18 27	32	30	46	27	19.5	.168
20	G3/8	0114 20 17	30	32	38	18	14	.162
20	G1/2	0114 20 21	30	32	44.5	24	18.5	.174
20	G3/4	0114 20 27	32	32	47	26.5	19.5	.171
22	G3/4	0114 22 27	32	36	48	26.5	19.5	.201
25	G3/4	0114 25 27	36	41	50.5	26	19.5	.298



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

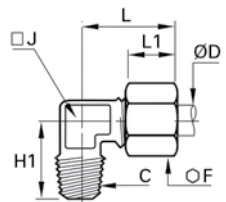
0109 90° male elbow BSPT

ØD mm	C BSPT	Part Number	F mm	H1 mm	J mm	L max mm	L1 mm	kg
4	R1/8	0109 04 10	10	17	8	19	9.5	.017
4	R1/4	0109 04 13	10	20	10	19	11	.024
5	R1/8	0109 05 10	12	17.5	8	21	11	.019
5	R1/4	0109 05 13	12	21.5	10	22	12	.029
6	R1/8	0109 06 10	13	18	8	22	11	.021
6	R1/4	0109 06 13	13	21.5	10	22	12	.030
8	R1/8	0109 08 10	14	18.5	10	28	15	.028
8	R1/4	0109 08 13	14	22	10	28	15	.033
8	R3/8	0109 08 17	14	24	12	28	15	.044
10	R1/4	0109 10 13	19	25	12	30	14.5	.052
10	R3/8	0109 10 17	19	25.5	12	30	14.5	.061
10	R1/2	0109 10 21	19	32	19	36	21	.105
12	R1/4	0109 12 13	22	26	15	30	15	.074
12	R3/8	0109 12 17	22	27	15	30	15	.077
12	R1/2	0109 12 21	22	32	19	36	21	.117
14	R3/8	0109 14 17	24	30	19	35	18	.103
14	R1/2	0109 14 21	24	32	19	35	18	.112
15	R3/8	0109 15 17	24	30	19	35	18	.104
15	R1/2	0109 15 21	24	32	19	35	18	.104
16	R3/8	0109 16 17	27	30	19	39	21	.118
16	R1/2	0109 16 21	27	33.5	19	39	21	.134
16	R3/4	0109 16 27	27	36.5	23	41	23	.186
18	R1/2	0109 18 21	30	35.5	23	41	21.5	.175
18	R3/4	0109 18 27	30	36.5	23	41	21.5	.201
20	R1/2	0109 20 21	32	36.5	23	42	21.5	.174
20	R3/4	0109 20 27	32	38	23	42	21.5	.274
22	R3/4	0109 22 27	36	40	27	50	30	.294
22	R1	0109 22 34	36	44	27	50	30	.322
25	R1	0109 25 34	41	44	27	54	30	.360
28	R3/4	0109 28 27	42	46	32	54	30	.364
28	R1	0109 28 34	42	48	32	54	30	.380

0199 90° male orientable elbow BSPP

the body will orientate for
positioning purposes

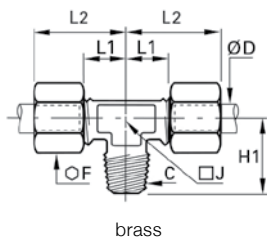
ØD mm	C BSPP	Part Number	F mm	G mm	F1 mm	H mm	H1 min mm	H2 max mm	J mm	L mm	L1 mm	kg
4	G1/8	0199 04 10	14	15	10	23	16	17	8	19	9.5	.017
4	G1/4	0199 04 13	19	21	10	30.5	22	23.5	10	19	11	.024
6	G1/8	0199 06 10	14	15	13	23	16	17	8	22	11	.021
6	G1/4	0199 06 13	19	21	13	30.5	22	23.5	10	22	12	.030
8	G1/8	0199 08 10	14	15	14	24	17	18	10	22	15	.028
8	G1/4	0199 08 13	19	21	14	30.5	22	23.5	10	28	15	.033
8	G3/8	0199 08 17	22	24	14	33.5	24	25.5	12	28	15	.044
10	G1/4	0199 10 13	19	21	19	31	22.5	24	12	30	14.5	.052
10	G3/8	0199 10 17	22	24	19	33.5	24	25.5	12	30	14.5	.061
10	G1/2	0199 10 21	27	29.5	19	40	39.5	31	19	37	22	.105
14	G3/8	0199 14 17	22	24	24	35.5	26	27.5	19	35	18	.103
14	G1/2	0199 14 21	27	29.5	24	40	29.5	31	19	35	18	.107
18	G1/2	0199 18 21	27	29.5	30	40	29	30.5	23	41	21.5	.175
18	G3/4	0199 18 27	32	35	30	43.5	32	33.5	23	41	21.5	.201
22	G3/4	0199 22 27	32	35	36	45.5	34	36	32	51	31	.294
22	G1	0199 22 34	41	45	36	54	40.5	43	32	51	31	.322
28	G1	0199 28 34	41	45	42	54	40.5	43	32	54	30	.380

0109 90° male elbow NPT

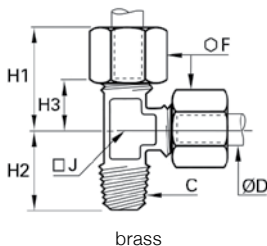
ØD mm	C NPT	Part Number	F mm	H1 mm	J mm	L max mm	L1 mm	kg
6	1/8	0109 06 11	13	18	8	22	11	.021
6	1/4	0109 06 14	13	21.5	10	22	12	.030
8	1/8	0109 08 11	14	18.5	10	28	15	.028
8	1/4	0109 08 14	14	22	10	28	15	.033
10	1/4	0109 10 14	19	25	12	30	14.5	.052



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**0108** male branch tee BSPT

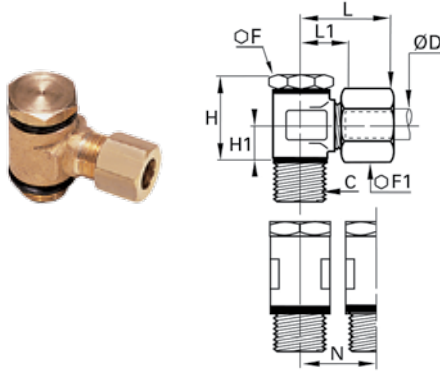
ØD mm	C BSPT	Part Number	F mm	H1 mm	J mm	L2 mm	L1 mm	kg
4	R1/8	0108 04 10	10	17	8	19	9.5	.026
5	R1/8	0108 05 10	12	17.5	8	21	11	.031
6	R1/8	0108 06 10	13	18	8	22	11	.033
6	R1/4	0108 06 13	13	21.5	10	27	16	.050
8	R1/8	0108 08 10	14	18.5	10	28	15	.046
8	R1/4	0108 08 13	14	22	10	28	15	.049
8	R3/8	0108 08 17	14	24	12	28	15	.063
10	R1/4	0108 10 13	19	25	12	30	14.5	.085
10	R3/8	0108 10 17	19	25.5	12	30	14.5	.093
12	R1/4	0108 12 13	22	26	15	30	15	.115
12	R3/8	0108 12 17	22	27	15	30	15	.118
14	R3/8	0108 14 17	24	30	19	35	18	.156
14	R1/2	0108 14 21	24	32	19	35	18	.193
15	R3/8	0108 15 17	24	30	19	35	18	.145
15	R1/2	0108 15 21	24	32	19	35	18	.156
16	R3/8	0108 16 17	27	30	19	39	21	.190
16	R1/2	0108 16 21	27	33.5	19	39	21	.200
18	R1/2	0108 18 21	30	35.5	23	41	21.5	.264
18	R3/4	0108 18 27	30	36.5	23	41	21.5	.270
20	R3/4	0108 20 27	32	38	23	42	21.5	.280
22	R3/4	0108 22 27	36	40	27	50	29	.440
22	R1	0108 22 34	36	44	27	50	29	.477

0103 male run tee BSPT

ØD mm	C BSPT	Part Number	F mm	H1 max mm	J mm	L2 mm	L1 mm	kg
4	R1/8	0103 04 10	10	19	17	9.5	8	.026
5	R1/8	0103 05 10	12	21	17.5	11	8	.031
6	R1/8	0103 06 10	13	22	18	11	8	.031
6	R1/4	0103 06 13	13	27	21.5	16	10	.049
8	R1/8	0103 08 10	14	28	18.5	15	10	.044
8	R3/8	0103 08 17	14	28	24	15	12	.062
10	R1/4	0103 10 13	19	30	25	14.5	12	.085
10	R3/8	0103 10 17	19	30	25.5	14.5	12	.092
12	R1/4	0103 12 13	22	30	26	15	15	.113
14	R1/2	0103 14 21	24	35	32	18	19	.166
15	R3/8	0103 15 17	24	35	30	18	19	.141
15	R1/2	0103 15 21	24	35	32	18	19	.151
16	R3/8	0103 16 17	27	39	30	21	19	.189
16	R1/2	0103 16 21	27	39	33.5	21	19	.199
18	R1/2	0103 18 21	30	41	35.5	21.5	23	.263
18	R3/4	0103 18 27	30	41	36.5	21.5	23	.281
20	R3/4	0103 20 27	32	42	38	21.5	23	.295
22	R3/4	0103 22 27	36	50	40	29	27	.428



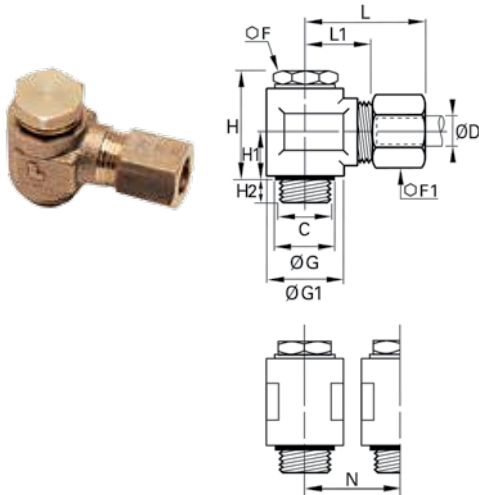
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

0118 | **single banjo** BSPP

brass with
pre-assembled
nylon washer

ØD mm	C BSPP	Part Number	F mm	F1 mm	H mm	H1 mm	L max mm	L1 mm	N min mm	kg
4	G1/8	0118 04 10	14	10	24	9.5	24	14.5	17.5	.039
5	G1/8	0118 05 10	14	12	24	9.5	25	14.5	17.5	.042
5	G1/4	0118 05 13	17	12	25	10	26	16	21	.056
6	G1/8	0118 06 10	14	13	24	9.5	25	14.5	17.5	.043
6	G1/4	0118 06 13	17	13	25	10	26	16	21	.056
8	G1/8	0118 08 10	14	14	24	9.5	28	15.5	17.5	.054
8	G1/4	0118 08 13	17	14	25	10	28	15.5	21	.057
8	G3/8	0118 08 17	22	14	32	13	30	18	26.5	.112
10	G1/4	0118 10 13	17	19	31	13	34	19	23	.117
12	G1/4	0118 12 13	17	22	34	14.5	34	19	23	.128
12	G3/8	0118 12 17	22	22	35	14.5	34	19	26.5	.134
14	G1/4	0118 14 13	17	24	37	16	37	20.5	28	.188
14	G3/8	0118 14 17	22	24	38	16	37	20.5	28	.194
14	G1/2	0118 14 21	27	24	40	16	38	20.5	32.5	.208
15	G3/8	0118 15 17	22	24	38	16	37	20.5	28	.188
15	G1/2	0118 15 21	27	24	40	16	38	20.5	32.5	.198
16	G1/2	0118 16 21	27	27	42	16	38	21	32.5	.226
18	G1/2	0118 18 21	27	30	46	19.5	43	24.5	36	.375
20	G3/4	0118 20 27	32	32	49	20	44	24.5	39	.383
22	G3/4	0118 22 27	32	36	53	22	45	24.5	39	.455

Subject to minimum quantities these products can be made with a metric thread.

0118... 39 | **single banjo** BSPP

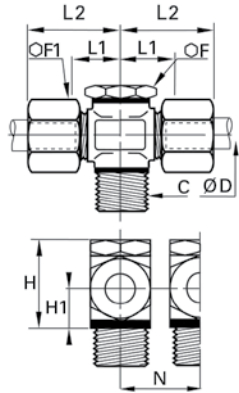
brass with
bi-material seal

ØD mm	C BSPP	Part Number	F mm	F1 mm	G mm	G1 mm	H mm	H1 mm	H2 mm	L mm	L1 mm	N1 mm	kg
4	G1/8	0118 04 10 39	14	10	14	14	23	9.5	6.5	24	14.5	17.5	.042
5	G1/8	0118 05 10 39	14	12	14	14	23	9.5	6.5	25	14.5	17.5	.044
5	G1/4	0118 05 13 39	17	12	17	17	24	10	8	26	16	21	.060
6	G1/8	0118 06 10 39	14	13	14	14	23	9.5	6.5	25	14.5	17.5	.045
6	G1/4	0118 06 13 39	17	13	17	17	24	10	8	26	16	21	.060
8	G1/8	0118 08 10 39	14	14	14	17	23	9.5	6.5	28	15.5	17.5	.057
8	G1/4	0118 08 13 39	17	14	17	17	24	10	8	28	15.5	21	.062
8	G3/8	0118 08 17 39	22	14	22	22	31.5	13.5	7.5	30	18	26.5	.115
10	G1/4	0118 10 13 39	17	19	17	22	30	13	7.5	34	19	23	.120
10	G3/8	0118 10 17 39	22	19	22	22	31.5	13.5	7.5	34	19	26.5	.129
12	G1/4	0118 12 13 39	17	22	17	22	33	14.5	8	34	19	23	.130
12	G3/8	0118 12 17 39	22	22	22	22	34.5	15	10.5	34	19	26.5	.136
14	G1/4	0118 14 13 39	17	24	17	27	36	16	8	37	20.5	28	.191
14	G3/8	0118 14 17 39	22	24	22	27	37.5	16.5	8.5	37	20.5	28	.198
14	G1/2	0118 14 21 39	27	24	26	27	39	16.5	10	38	20.5	32.5	.212
15	G3/8	0118 15 17 39	22	24	22	27	37.5	16.5	8.5	37	20.5	28	.191
15	G1/2	0118 15 21 39	27	24	26	27	40	16.5	10	38	20.5	32.5	.201
16	G1/2	0118 16 21 39	27	27	26	27	40	16.5	10	38	21	32.5	.230
18	G1/2	0118 18 21 39	27	30	26	34	47	20	9	43	24.5	36	.379
20	G3/4	0118 20 27 39	32	32	32	34	50	20.5	13	44	24.5	39	.386
22	G3/4	0118 22 27 39	32	36	32	34	54	22.5	12	45	24.5	39	.455



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

0119 | double banjo BSPP

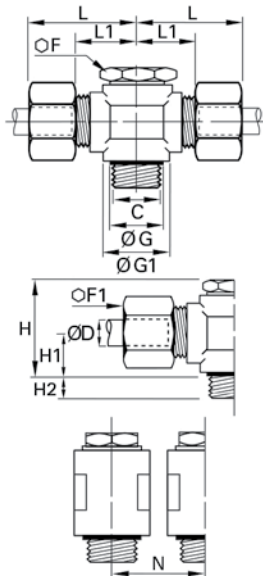


brass with
pre-assembled
nylon washer

ØD mm	C BSPP	Part Number	F mm	F1 mm	H mm	H1 mm	L2 mm	L1 mm	N mm	kg
6	G1/8	0119 06 10	14	13	24	9.5	25	14.5	17.5	.055
6	G1/4	0119 06 13	17	13	25	10	26.5	16	21	.071
8	G1/4	0119 08 13	17	14	25	10	28	15.5	21	.074
8	G3/8	0119 08 17	22	14	32	13	30.5	18	26.5	.139
10	G1/4	0119 10 13	17	19	31	13	34	19	23	.156
10	G3/8	0119 10 17	22	19	32	13	34	19	26.5	.171
12	G1/4	0119 12 13	17	22	34	14.5	34	19	23	.156
12	G3/8	0119 12 17	22	22	35	14.5	34	19	26.5	.181
14	G1/4	0119 14 13	17	24	37	16	37.5	20.5	28	.248
14	G3/8	0119 14 17	22	24	38	16	37.5	20.5	28	.243
14	G1/2	0119 14 21	27	24	40	16	38	20.5	32.5	.257
16	G1/2	0119 16 21	27	27	42	16	38.5	21	32.5	.295

Subject to minimum quantities these products can be made with a metric thread.

0119... 39 | double banjo BSPP

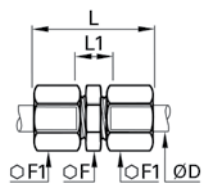


brass with
bi-material seal

ØD mm	C BSPP	Part Number	F mm	F1 mm	G mm	G1 mm	H mm	H1 mm	H2 mm	L mm	L1 mm	N1 mm	kg
4	G1/8	0119 04 10 39	14	10	14	14	23	9.5	6.5	24	14.5	17.5	.049
5	G1/8	0119 05 10 39	14	12	14	14	23	9.5	6.5	25	14.5	17.5	.049
5	G1/4	0119 05 13 39	17	12	17	17	24	10	8	26	16	21	.051
6	G1/8	0119 06 10 39	14	13	14	14	23	9.5	6.5	25	14.5	17.5	.055
6	G1/4	0119 06 13 39	17	13	17	17	24	10	8	26	16	21	.071
8	G1/8	0119 08 10 39	14	14	14	17	23	9.5	6.5	28	15.5	17.5	.071
8	G1/4	0119 08 13 39	17	14	17	17	24	10	8	28	15.5	21	.074
8	G3/8	0119 08 17 39	22	14	22	22	31.5	13.5	7.5	30	18	26.5	.139
10	G1/4	0119 10 13 39	17	19	17	22	30	13	7.5	34	19	23	.156
10	G3/8	0119 10 17 39	22	19	22	22	31.5	13.5	7.5	34	19	26.5	.171
12	G1/4	0119 12 13 39	17	22	17	22	33	14.5	8	34	19	23	.156
12	G3/8	0119 12 17 39	22	22	22	22	34.5	15	10.5	34	19	26.5	.181
14	G1/4	0119 14 13 39	17	24	17	27	36	16	8	37	20.5	28	.248
14	G3/8	0119 14 17 39	22	24	22	27	37.5	16.5	8.5	37	20.5	28	.243
14	G1/2	0119 14 21 39	27	24	26	27	39	16.5	10	38	20.5	32.5	.257
15	G3/8	0119 15 17 39	22	24	22	27	37.5	16.5	8.5	37	20.5	28	.270
15	G1/2	0119 15 21 39	27	24	26	27	40	16.5	10	38	20.5	32.5	.278
16	G1/2	0119 16 21 39	27	27	26	27	40	16.5	10	38	21	32.5	.295
18	G1/2	0119 18 21 39	27	30	26	34	47	20	9	43	24.5	36	.312
20	G3/4	0119 20 27 39	32	32	32	34	50	20.5	13	44	24.5	39	.320
22	G3/4	0119 22 27 39	32	36	32	34	54	22.5	12	45	24.5	39	.330

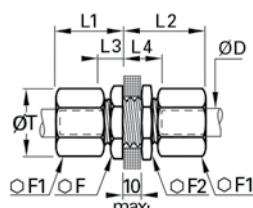


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0106 union

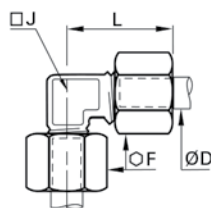
brass

ØD mm	Part Number	F mm	F1 mm	L max mm	L1 mm	kg
4	0106 04 00	10	10	28	10	.017
5	0106 05 00	11	12	31	11	.024
10	0106 10 00	17	19	42	13	.070
12	0106 12 00	19	22	42	13	.092
14	0106 14 00	22	24	45	11	.096
15	0106 15 00	22	24	45	11	.104
16	0106 16 00	24	27	48	13	.142
18	0106 18 00	27	30	53	14	.191
20	0106 20 00	30	32	56	14	.216
22	0106 22 00	32	36	60	14	.280
25	0106 25 00	36	41	64	14	.398
28	0106 28 00	42	41	64	14	.400

0116 bulkhead union

brass

ØD mm	Part Number	F mm	F1 mm	F2 mm	L1 max mm	L2 min mm	L3 mm	L4 mm	T min mm	kg
4	0116 04 00	10	10	13	17	27	7	17	8.3	.024
5	0116 05 00	13	12	14	18	28	7.5	17.5	10.3	.035
6	0116 06 00	13	13	14	19	28	7.5	17.5	10.3	.037
8	0116 08 00	14	14	17	20	29	7	17	12.3	.047
10	0116 10 00	19	19	22	25	33	9	19	16.5	.101
12	0116 12 00	22	22	22	25	33	9	19	18.5	.125
14	0116 14 00	24	24	24	25	35	8	18	20.5	.143
15	0116 15 00	24	24	24	25	35	8	18	20.5	.133
16	0116 16 00	27	27	27	28	36	9.5	19.5	22.5	.19
18	0116 18 00	27	30	30	30	40	10.5	20.5	24.5	.24
20	0116 20 00	32	30	32	31	41	11	21	27.5	.268
22	0116 22 00	36	36	36	32	42	11	21	30.5	.372
25	0116 25 00	36	41	38	36	46	11	21	33.5	.475

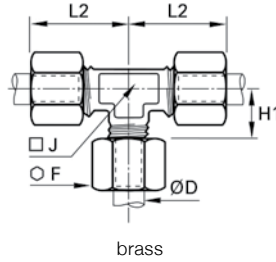
0102 union elbow

brass

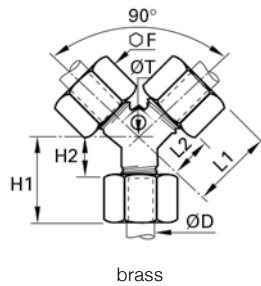
ØD mm	Part Number	F mm	J mm	L max mm	kg
4	0102 04 00	10	5	19	.017
5	0102 05 00	12	8	21	.024
6	0102 06 00	13	8	22	.027
8	0102 08 00	14	10	28	.038
10	0102 10 00	19	12	30	.072
12	0102 12 00	22	15	30	.097
14	0102 14 00	24	19	35	.131
15	0102 15 00	24	19	35	.119
16	0102 16 00	27	19	39	.164
18	0102 18 00	30	23	41	.230
20	0102 20 00	32	23	42	.236
22	0102 22 00	36	27	50	.376
25	0102 25 00	41	27	54	.464
28	0102 28 00	42	32	54.5	.460



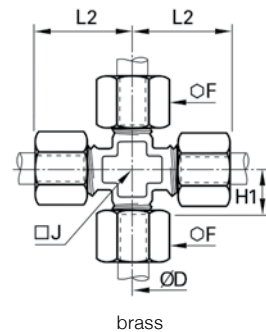
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

0104 union tee

ØD mm	Part Number	F mm	H1 mm	J mm	L2 mm	kg
4	0104 04 00	10	9.5	8	19	.029
5	0104 05 00	12	11	8	21	.035
6	0104 06 00	13	11	8	22	.040
8	0104 08 00	14	15	10	28	.055
10	0104 10 00	19	14.5	12	30	.103
12	0104 12 00	22	15	15	30	.139
14	0104 14 00	24	18	19	35	.188
15	0104 15 00	24	18	19	35	.168
16	0104 16 00	27	21	19	39	.236
18	0104 18 00	30	21.5	23	41	.322
20	0104 20 00	32	21.5	23	42	.324
22	0104 22 00	36	29	27	50	.518
25	0104 25 00	41	29	27	54	.646

0142 "Y" union

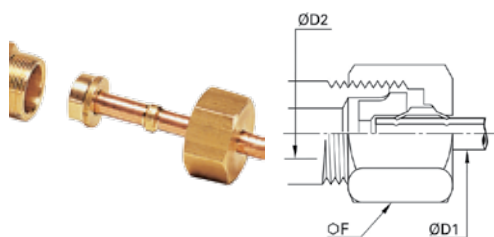
ØD mm	Part Number	F mm	H1 max mm	H2 mm	L1 max mm	L2 mm	T mm	kg
4	0142 04 00	10	16.5	7	26.5	17	4.2	.032
5	0142 05 00	12	18.5	8.5	27	17	4.2	.046
6	0142 06 00	13	19.5	8.5	28	17	4.2	.050
8	0142 08 00	14	21	8	30	17	6.2	.062
10	0142 10 00	19	24.5	9	37.5	22	6.2	.130
12	0142 12 00	22	26	11	38	23	6.2	.171
14	0142 14 00	24	28	11	41.5	24.5	6.2	.199
15	0142 15 00	24	28	11	41.5	24.5	6.2	.177
16	0142 16 00	27	30	12	43	25	6.2	.257
18	0142 18 00	30	31.5	12	50.5	31	10.2	.350
20	0142 20 00	32	33.5	13	51.5	31	10.2	.410
22	0142 22 00	36	34	13	53	32	10.2	.543
25	0142 25 00	41	39	14	59	34	10.2	.728

0107 equal cross

ØD mm	Part Number	F mm	H1 mm	J mm	L2 mm	kg
4	0107 04 00	10	9.5	8	19	.037
5	0107 05 00	12	11	8	21	.048
6	0107 06 00	13	11	8	22	.053
8	0107 08 00	14	15	11	28	.074
10	0107 10 00	19	14.5	14	30	.143
12	0107 12 00	22	15	15	30	.185
14	0107 14 00	24	18	20	35	.241
15	0107 15 00	24	18	20	35	.223
16	0107 16 00	27	21	20	39	.311
18	0107 18 00	30	21.5	25	41	.431
20	0107 20 00	32	21.5	25	42	.442
22	0107 22 00	36	29	27	50	.682
25	0107 25 00	41	29	27	50	.811



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0166 reduction assembly

brass

Ø D1 = tube to be fitted
Ø D2 = for a xmm fitting

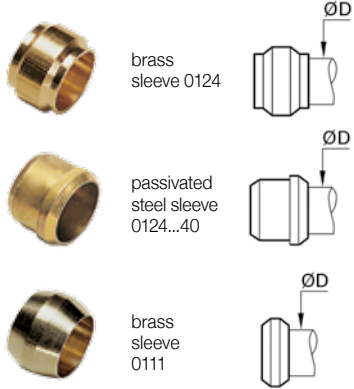
ØD1 mm	ØD2 mm	Part Number	F mm	kg
4	5	0166 04 05	13	.011
4	6	0166 04 06	13	.011
4	12	0166 04 12	22	.045
4	15	0166 04 15	24	.058
5	6	0166 05 06	13	.011
5	8	0166 05 08	14	.013
5	12	0166 05 12	22	.044
5	14	0166 05 14	24	.053
5	16	0166 05 16	27	.077
6	8	0166 06 08	14	.012
6	12	0166 06 12	22	.043
6	14	0166 06 14	24	.051
6	15	0166 06 15	24	.055
6	16	0166 06 16	27	.078
8	10	0166 08 10	19	.027
8	12	0166 08 12	22	.040
8	14	0166 08 14	24	.051
8	15	0166 08 15	24	.053
8	16	0166 08 16	27	.076
10	12	0166 10 12	22	.037
10	14	0166 10 14	24	.046
10	15	0166 10 15	24	.048
10	16	0166 10 16	27	.069
10	18	0166 10 18	30	.097
10	20	0166 10 20	32	.104
10	22	0166 10 22	36	.145
10	25	0166 10 25	41	.205
12	15	0166 12 15	24	.045
12	16	0166 12 16	27	.072
12	18	0166 06 18	30	.090
12	20	0166 04 20	32	.102
12	22	0166 12 22	36	.135
12	25	0166 12 25	41	.195
14	16	0166 14 16	27	.060
14	18	0166 04 18	30	.084
14	20	0166 05 20	32	.097
14	22	0166 04 22	36	.132
14	25	0166 04 25	41	.190
15	18	0166 05 18	30	.080
16	18	0166 04 18	30	.078
16	20	0166 06 20	32	.089
16	22	0166 06 22	36	.122
16	25	0166 05 25	41	.174
18	20	0166 08 20	32	.080
18	22	0166 08 22	36	.120
18	25	0166 06 25	41	.178
18	28	0166 06 28	42	.180
20	25	0166 08 25	41	.166
22	28	0166 08 28	42	.169

Each of the above part numbers comprises:

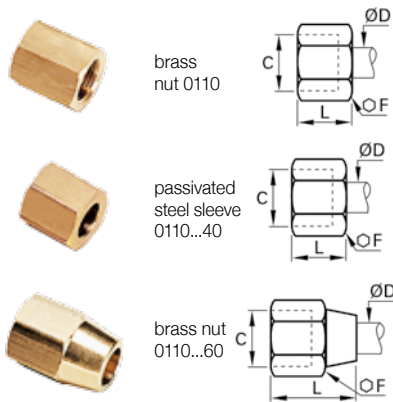
- a reduction piece
- a sleeve: ref 0124
- a nut: ref 0110



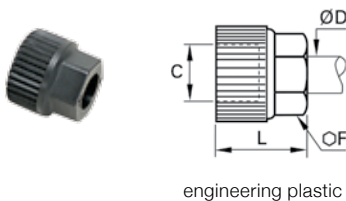
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0110, 0124 suffix 40, 0111 sleeves

ØD mm	Part Number	kg	Part Number	kg	Part Number	kg
4	0124 04 00	.001	0124 04 00 40	.001	0111 04 00	.001
5	0124 05 00	.001	0124 05 00 40	.001	0111 05 00	.001
6	0124 06 00	.001	0124 06 00 40	.001	0111 06 00	.001
8	0124 08 00	.002	0124 08 00 40	.002	0111 08 00	.002
10	0124 10 00	.003	0124 10 00 40	.003	0111 10 00	.002
12	0124 12 00	.004	0124 12 00 40	.004	0111 12 00	.003
14	0124 14 00	.004	0124 14 00 40	.005	0111 14 00	.003
15	0124 15 00	.004	0124 15 00 40	.005	0111 15 00	.003
16	0124 16 00	.006	0124 16 00 40	.006	0111 16 00	.004
18	0124 18 00	.007	0124 18 00 40	.008	-	-
20	0124 20 00	.009	0124 20 00 40	.008	-	-
22	0124 22 00	.012	0124 22 00 40	.010	-	-
25	0124 25 00	.017	0124 25 00 40	.015	-	-
28	0124 28 00	.017	-	-	-	-

0110, 0110 suffix 40, 0110 suffix 60 nuts

ØD mm	C metric	Part Number	kg	Part Number	kg	Part Number	kg
4	M8x1	0110 04 00	.005	0110 04 00 40	.004	0110 04 00 60	.006
5	M10x1	0110 05 00	.006	0110 05 00 40	.006	0110 05 00 60	.009
6	M10x1	0110 06 00	.008	0110 06 00 40	.008	0110 06 00 60	.011
8	M12x1	0110 08 00	.008	0110 08 00 40	.009	0110 08 00 60	.012
10	M16x1.5	0110 10 00	.019	0110 10 00 40	.019	0110 10 00 60	.027
12	M18x1.5	0110 12 00	.026	0110 12 00 40	.027	0110 12 00 60	.041
14	M20x1.5	0110 14 00	.029	-	-	0110 14 00 60	-
15	M20x1.5	0110 15 00	.028	0110 15 00 40	.030	0110 15 00 60	.050
16	M22x1.5	0110 16 00	.043	0110 16 00 40	.043	0110 16 00 60	.072
18	M24x1.5	0110 18 00	.059	0110 18 00 40	.057	-	-
20	M27x1.5	0110 20 00	.057	-	-	-	-
22	M30x1.5	0110 22 00	.079	0110 22 00 40	.084	-	-
25	M33x1.5	0110 25 00	.121	-	-	-	-
28	M36x1.5	0110 28 00	.109	-	-	-	-

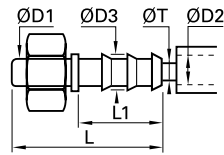
0110 suffix 70 nut sleeve

ØD mm	C metric	Part Number	F mm	L mm	kg
4	M8x1	0110 04 00 70	8	13	.001
6	M10x1	0110 06 00 70	11	15	.002
12	M18x1.5	0110 12 00 70	19	19	.005
14	M20x1.5	0110 14 00 70	22	20	.007
16	M22x1.5	0110 16 00 70	24	21	.009

plastic nut-sleeve should not be used on metal tubes.

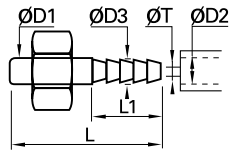


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0122 | **barbed adapter for rubber hose**

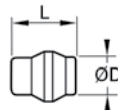
brass

ØD1 mm	ØD2 mm	Part Number	ØD3 mm	L mm	L1 mm	ØT min mm	kg
4	4	0122 04 04	6	37.5	22.5	3	.004
5	4	0122 05 04	6	37.5	22.5	3	.004
6	4	0122 06 04	6	37.5	22.5	3	.005
6	7	0122 06 07	9	37.5	22.5	6	.007
8	6	0122 08 06	8	40	22.5	5	.007
8	7	0122 08 07	9	40	22.5	6	.008
8	10	0122 08 10	12.5	40	22.5	9	.012
10	7	0122 10 07	9	43	22.5	6	.010
10	10	0122 10 10	12.5	43	22.5	9	.013
12	10	0122 12 10	12.5	43	22.5	9	.013
12	13	0122 12 13	15	50	29.5	12	.018
14	13	0122 14 13	15	52	29.5	12	.018
14	16	0122 14 16	18.5	60.5	38	15	.031
15	13	0122 15 13	15	52	29.5	12	.020
15	16	0122 15 16	18.5	60.5	38	15	.032
16	13	0122 16 13	15	53.5	29.5	12	.021
16	16	0122 16 16	18.5	62	38	15	.029
18	16	0122 18 16	18.5	62	38	15	.032
18	19	0122 18 19	21.5	62	38	18	.039
20	16	0122 20 16	18.5	64	38	15	.036
20	19	0122 20 19	21.5	64	38	18	.039
22	19	0122 22 19	21.5	64	38	18	.040
25	19	0122 25 19	21.5	70	38	18	.050
25	25	0122 25 25	27.5	70	38	24	.063

0165 | **barbed adapter for plastic hose**

brass

ØD1 mm	ØD2 mm	Part Number	ØD3 mm	L mm	L1 mm	ØT min mm	kg
4	4	0165 04 06	4.3	30	15	2	.003
5	4	0165 05 06	4.3	30	15	2	.003
6	4	0165 06 06	4.3	30	15	2	.003
6	6	0165 06 08	6.4	30	15	4	.004
6	8	0165 06 10	8.4	30	15	4	.005
8	6	0165 08 08	6.4	32.5	15	4	.006
8	8	0165 08 10	8.4	32.5	15	6	.006
8	10	0165 08 12	10.7	37.5	20	6	.009
10	8	0165 10 10	8.4	35.5	15	6	.008
10	10	0165 10 12	10.7	40.5	20	8	.010
10	12	0165 10 14	12.7	40.5	20	8	.012
12	10	0165 12 12	10.7	40.5	20	8	.012
12	12	0165 12 14	12.7	40.5	20	10	.012
14	12	0165 14 14	12.7	42.5	20	10	.014
15	13	0165 15 16	13.7	42.5	20	11	.015
16	13	0165 16 16	13.7	44	20	11	.018

0126 | **plug**

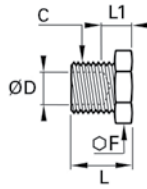
brass

ØD1 mm	Part Number	L mm	kg
4	0126 04 00	10	.002
5	0126 05 00	10	.002
6	0126 06 00	10	.003
8	0126 08 00	11.5	.006
10	0126 10 00	13	.011
12	0126 12 00	13	.014
14	0126 14 00	13.5	.020
15	0126 15 00	13.5	.022
16	0126 16 00	16	.030
18	0126 18 00	16	.038
20	0126 20 00	16	.046
22	0126 22 00	18	.062
28	0126 28 00	19.5	.108

The plug is used to blank off an outlet in a compression fitting. It replaces the sleeve. When an open outlet is required, simply dismantle, replace the plug by the tube and sleeve, reusing the nut. The plug is also reusable.



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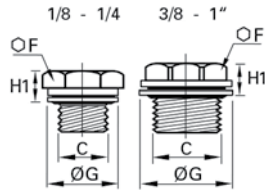
brass

0125 | end plug metric

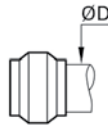
ØD mm	C Metric	Part Number	F mm	L mm	L1 mm	kg
4	M8x1	0125 04 00	10	12	8	.006
6	M10x1	0125 06 00	11	13.5	9.5	.009
8	M12x1	0125 08 00	14	14	9	.012
10	M16x1.5	0125 10 00	17	18	11	.025

This plug enables unused tubes to be blanked off. The male thread on the plug has the same pitch as the female thread on the nut of a standard Legris fitting. Therefore, the plug screwed into the nut blanks off the tube.

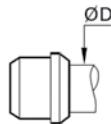
To reopen the passage, simply unscrew the plug and fit the required connector. No further treatment of the tube is required.

0220 | male plug BSPPbrass with
bi-material seal

C BSPP	Part Number	F mm	G mm	H1 mm	kg
G1/8	X0220 10 00 39	14	14	6.5	.005
G1/4	X0220 13 00 39	17	17	6.5	.016
G3/8	X0220 17 00 39	17	22	8	.021
G1/2	X0220 21 00 39	22	26	9	.045
G3/4	X0220 27 00 39	22	32	10	.053
G1	X0220 34 00 39	27	39.5	10.5	.067

0124 | brass sleeve metric

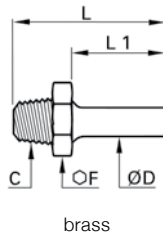
ØD mm	Part Number	WT kg
4	0124 04 00	.001
5	0124 05 00	.001
6	0124 06 00	.001
8	0124 08 00	.002
10	0124 10 00	.003
12	0124 12 00	.004
14	0124 14 00	.004
15	0124 15 00	.004
16	0124 16 00	.006
18	0124 18 00	.007
20	0124 20 00	.009
22	0124 22 00	.012
25	0124 25 00	.017
28	0124 28 00	.017

0124 40 | passivated steel sleeve metric

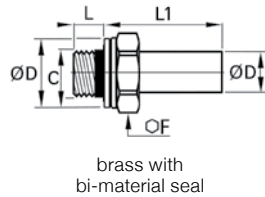
ØD mm	Part Number	WT kg
4	0124 04 40	.001
5	0124 05 40	.001
6	0124 06 40	.001
8	0124 08 40	.002
10	0124 10 40	.003
12	0124 12 40	.004
14	0124 14 40	.005
15	0124 15 40	.005
16	0124 16 40	.006
18	0124 18 40	.008
20	0124 20 40	.008
22	0124 22 40	.010
25	0124 25 40	.015



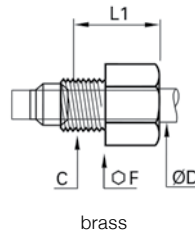
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

0120 | straight stem adapter BSPT

ØD mm	C BSPT	Part Number	F mm	L mm	L1 mm	kg
4	R1/8	0120 04 10	11	25.5	14	.007
5	R1/8	0120 05 10	11	26	14.5	.008
6	R1/8	0120 06 10	11	26.5	15	.008
6	R1/4	0120 06 13	14	31	15	.015
8	R1/8	0120 08 10	11	28.5	17	.008
8	R1/4	0120 08 13	14	33	17	.016
8	R3/8	0120 08 17	17	33.5	17	.021
10	R1/4	0120 10 13	14	36	20	.017
10	R3/8	0120 10 17	17	36.5	20	.022
10	R1/2	0120 10 21	22	41	20	.040
12	R1/4	0120 12 13	14	36	20	.017
12	R3/8	0120 12 17	17	36.5	20	.022
12	R1/2	0120 12 21	22	41	20	.045
14	R3/8	0120 14 17	17	38	21.5	.023
14	R1/2	0120 14 21	22	41	21.5	.023
15	R3/8	0120 15 17	17	38	21.5	.023
15	R1/2	0120 15 21	22	42.5	21.5	.039
16	R3/8	0120 16 17	17	39.5	23	.024
16	R1/2	0120 16 21	22	44	23	.042
18	R1/2	0120 18 21	22	44.5	23.5	.041
18	R3/4	0120 18 27	27	47.5	23.5	.071
20	R3/4	0120 20 27	27	49	25	.069
22	R3/4	0120 22 27	27	48.5	25.5	.067
22	R1	0120 22 34	36	52.5	25.5	.116
25	R1	0120 25 34	36	57	30	.117
28	R1	0120 28 34	36	57	30	.138

0128 | straight stem adapter BSPP

ØD mm	C BSPP	Part Number	F mm	G mm	L mm	L1 mm	kg
4	G1/8	0128 04 10 39	13	14	7.5	20	.008
4	G1/4	0128 04 13 39	17	17	9	22	.010
6	G1/8	0128 06 10 39	13	14	7.5	21	.009
6	G1/4	0128 06 13 39	17	17	9	23	.015
8	G1/8	0128 08 10 39	13	14	7.5	23	.009
8	G1/4	0128 08 13 39	17	17	9	25	.017
8	G3/8	0128 08 17 39	22	22	12	26	.022
10	G1/4	0128 10 13 39	17	17	9	28	.017
10	G3/8	0128 10 17 39	22	22	12	29	.025
10	G1/2	0128 10 21 39	27	26	27	30	.042
14	G3/8	0128 14 17 39	22	22	12	30.5	.025
14	G1/2	0128 14 21 39	27	26	27	31.5	.043
18	G1/2	0128 18 21 39	27	26	27	33.5	.044
18	G3/4	0128 18 27 39	32	32	14	34.5	.073
22	G3/4	0128 22 27 39	32	32	14	36.5	.069
22	G1	0128 22 34 39	41	39.5	16.5	38	.118
28	G1	0128 28 34 39	41	39.5	16.5	42.5	.140

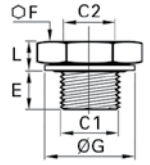
0112 | male nut for standard sleeve metric

ØD mm	C metric	Part Number	F mm	L1 mm	kg
4	M8x1	0112 04 00	10	8.5	.006
5	M10x1	0112 05 00	11	9.5	.007
6	M10x1	0112 06 00	11	9.5	.008
8	M12x1	0112 08 00	13	10.5	.009
10	M16x1.5	0112 10 00	17	11	.018
12	M18x1.5	0112 12 00	19	11	.021
14	M20x1.5	0112 14 00	22	12	.026

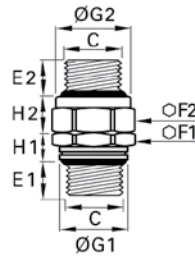
This product is designed to allow the tube to be fitted directly into the tapped port in a body using a standard Legris sleeve.



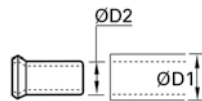
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

brass with
bi-material seal**0168** | reducer male to female BSPP

C1 BSPP	C2 BSPP/metric	Part Number	E mm	F mm	G mm	L mm	kg
G1/8	M5x.8	0168 10 19 39	8	14	14	4.5	.010
G1/4	M5x.8	0168 13 19 39	8	17	17	5	.012
G1/4	G1/8	0168 13 10 39	8	17	17	5	.020
G3/8	G1/8	0168 17 10 39	10	19	22	5	.028
G3/8	G1/4	0168 17 13 39	10	19	22	5	.035
G1/2	G1/8	0168 21 10 39	12	24	26	7.5	.039
G1/2	G1/4	0168 21 13 39	12	24	26	7.5	.056
G1/2	G3/8	0168 21 17 39	12	24	26	7.5	.062
G3/4	G1/4	0168 27 13 39	12	32	32	9.5	.067
G3/4	G3/8	0168 27 17 39	12	32	32	9.5	.097
G3/4	G1/2	0168 27 21 39	12	32	32	9.5	.116

brass with
bi-material seal**0151** | straight male orientable adapter BSPP

C BSPP	Part Number	E1 mm	E2 mm	F1 mm	F2 mm	G1 mm	G2 mm	H1 mm	H2 mm	kg
G1/8	0151 10 10 39	5.5	7	13	14	14	14	6	6.5	.017
G1/4	0151 13 13 39	7	8.5	17	19	17	19	6.5	9	.026
G3/8	0151 17 17 39	9.5	9.5	22	22	22	22	9	9	.042
G1/2	0151 21 21 39	10.5	10.5	27	27	26	26	10	10	.070
G3/4	0151 27 27 39	11.5	11.5	32	32	32	32	11	10.5	.096
G1	0151 34 34 39	13	13.5	41	41	39.5	39.5	12.5	13	.115



brass

0127 | tube support for plastic tube

ØD1 mm	ØD2 mm	Part Number	kg
4	2	0127 04 00	.001
4	2.7	0127 04 27	.001
5	3	0127 05 03	.001
5	3.3	0127 05 00	.001
6	4	0127 06 00	.001
8	5.5	0127 08 55	.001
8	6	0127 08 00	.001
10	7	0127 10 07	.002
10	7.5	0127 10 75	.002
10	8	0127 10 00	.002
12	8	0127 12 08	.002
12	9	0127 12 09	.002
12	10	0127 12 00	.002
14	11	0127 14 11	.003
14	12	0127 14 00	.003
15	12	0127 15 12	.003
16	13	0127 16 13	.003
18	14	0127 18 14	.004
20	15	0127 20 15	.004
22	16	0127 22 16	.005
25	19	0127 25 19	.005

At high temperature and pressure or during oscillating movements, the use of tube supports prevents distortion of the tube and guarantees effective gripping and sealing.



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Poly-Tite Fittings



Parker's Poly-Tite fittings are compact, pre-assembled compression style fittings designed for fast assembly. An exclusive acetal copolymer sleeve has superior resilience to resist creeping and stress caused from compression.

Product Features:

- Self aligning captive sleeve
- Built-in tube support
- Knurled nuts for hand tightening
- Plastic and brass sleeves available
- Chrome plated and stainless steel side latch couplers available

Markets:

- Dental
- Packaging
- Machine Tools
- Car Wash
- Printing

Applications:

- Pneumatic Systems
- Water Lines
- Dental Equipment

Specifications:

Pressure Range Up to 150 PSI (10.3 bar)

Temperature Range 0° to +150° F (-17.7° to +65.5° C)

O-rings Buna N on chrome plated couplers
Fluorocarbon on stainless steel couplers

Compatible Tubing:

- Polyethylene
- Nylon
- Polypropylene
- Vinyl

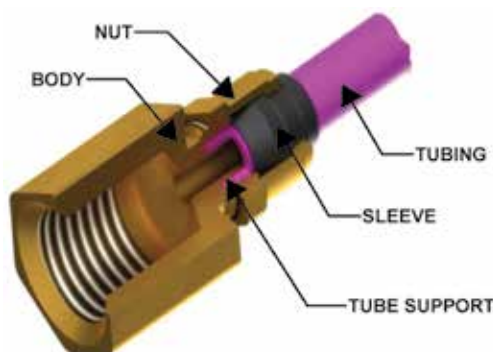
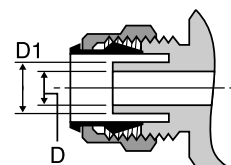
Assembly Instructions

Polyethylene, polypropylene and vinyl tubing:

1. Cut tubing squarely—maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Insert tube end until it bottoms in the Poly-Tite fitting and tighten knurl/hex nut finger-tight – plus one wrench turn.

Tube Support O.D.

D Tube Size in.	D1 Tube Support O.D.
1/4	.168
5/16	.185
3/8	.248
1/2	.373



tube to male fittings

68Pmale connector
NPTF
p. E33**169P**male elbow
NPTF
p. E33**169LP**long elbow
NPTF
p. E33**169PS**male elbow swivel
NPTF
p. E33**171P**male run tee
NPTF
p. E34**172P**male branch tee
NPTF
p. E34**NV311P**needle valve
NPTF
p. E34**NV312P**needle valve
NPTF
p. E34

tube to female fittings

170Pfemale elbow
NPT
p. E34**177P**female branch tee
NPT
p. E34

tube to tube fittings

62Punion
p. E35**62P**union reducer
p. E35**97P**tube reducer
p. E35**164P**union tee
p. E35

bulkhead union fittings

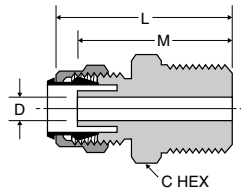
62PBHbulkhead union
p. E35**62PTBH**bulkhead union
p. E35

couplers

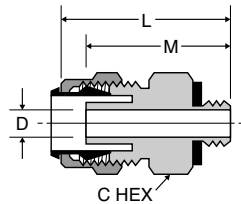
391Pcoupler body
p. E36**391PSS**coupler body
p. E36**392P**bulkhead body
p. E36**392PSS**bulkhead body
p. E36**393P**through insert
p. E36**393PSS**through insert
p. E37**393PD**shutoff insert
p. E37**393PDSS**shutoff insert
p. E37**394P**single shutoff
p. E37**394PSS**single shutoff
p. E37**394PD**double shutoff
p. E38**394PDSS**double shutoff
p. E38**398P**single shutoff
p. E38**398PSS**single shutoff
p. E38**398PD**double shutoff
p. E38**398PDSS**double shutoff
p. E38

auxiliary components

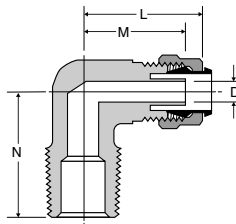
56PSGspring guard
p. E39**59P**plug
p. E39**60P**plastic sleeve
p. E39**60PB**brass sleeve
p. E39**61P**nut/brass sleeve
p. E39**61PB**nut/brass sleeve
p. E39**61PN**nut only
p. E40**61PSGN**spring guard nut
p. E40

68P | **male connector** fractional inch tube to male NPT

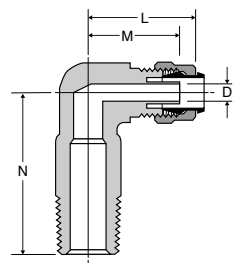
68P-X-10/32



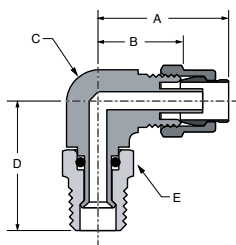
ØD in	NPT Thread	Part Number	Straight Thread	C in	L in	M in	Flow Dia. D
1/4	1/16	68P-4-1	3/8-24	3/8	1.06	.95	.125
1/4	10-32	68P-4-10X32	3/8-24	3/8	.86	.75	.094
1/4	1/8	68P-4-2	3/8-24	7/16	1.06	.95	.125
1/4	1/4	68P-4-4	3/8-24	9/16	1.25	1.14	.125
1/4	3/8	68P-4-6	3/8-24	11/16	1.28	1.17	.125
5/16	1/8	68P-5-2	7/16-24	7/16	1.05	.95	.144
5/16	1/4	68P-5-4	7/16-24	9/16	1.24	1.14	.144
3/8	1/8	68P-6-2	1/2-24	1/2	1.10	.98	.204
3/8	1/4	68P-6-4	1/2-24	9/16	1.29	1.17	.204
3/8	3/8	68P-6-6	1/2-24	11/16	1.29	1.17	.204
1/2	1/4	68P-8-4	11/16-20	11/16	1.46	1.29	.320
1/2	3/8	68P-8-6	11/16-20	11/16	1.37	1.29	.323

169P | **male elbow** fractional inch tube to male NPT

ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	Flow Dia. D
1/4	1/16	169P-4-1	3/8-24	.92	.58	.67	.130
1/4	1/8	169P-4-2	3/8-24	.84	.73	.75	.121
1/4	1/4	169P-4-4	3/8-24	.90	.79	.92	.125
1/4	3/8	169P-4-6	3/8-24	.93	.84	1.08	.125
5/16	1/8	169P-5-2	7/16-24	.87	.73	.68	.144
3/8	1/8	169P-6-2	1/2-24	.93	.81	.73	.203
3/8	1/4	169P-6-4	1/2-24	.98	.86	1.05	.203
3/8	3/8	169P-6-6	1/2-24	.98	.86	1.08	.203
1/2	3/8	169P-8-6	11/16-20	1.12	1.04	1.13	.323

169LP | **long male elbow** fractional inch tube to male NPT

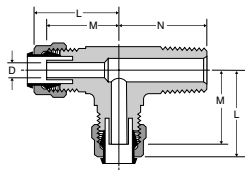
ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	Flow Dia. D
1/4	1/4	169LP-4-4	3/8-24	.90	.79	1.38	.125

169PS | **male elbow swivel** fractional inch tube to male NPT

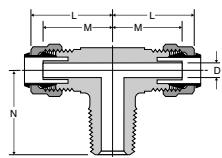
ØD in	NPT Thread	Part Number	A in	B in	C in	D in	E in
1/4	1/8	169PS-4-2	.812	.594	.375	.862	.437
1/4	1/4	169PS-4-4	.906	.688	.562	1.218	.562
3/8	1/8	169PS-6-2	.875	.625	.437	.904	.437
3/8	1/4	169PS-6-4	.937	.685	.562	1.218	.562
3/8	3/8	169PS-6-6	.859	.602	.562	1.190	.687
1/2	3/8	169PS-8-6	1.031	.782	.500	1.218	.687



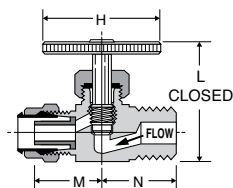
WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

171P | **male run tee** fractional inch tube to male NPT

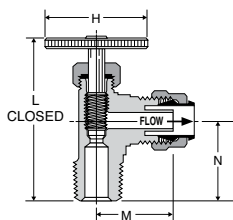
ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	Flow Dia. D
1/4	1/8	171P-4-2	3/8-24	.84	.73	.72	.125
1/4	1/4	171P-4-4	3/8-24	.92	.81	.92	.125
5/16	1/8	171P-5-2	7/16-24	.83	.73	.72	.144
3/8	1/4	171P-6-4	1/2-24	.98	.86	1.03	.203
1/2	3/8	171P-8-6	11/16-20	1.12	1.04	1.13	.323

172P | **male branch tee** fractional inch tube to male NPT

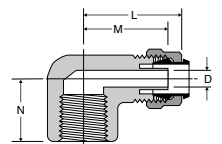
ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	Flow Dia. D
1/4	1/8	172P-4-2	3/8-24	.84	.73	.72	.125
1/4	1/4	172P-4-4	3/8-24	.92	.81	.92	.125
5/16	1/8	172P-8-6	7/16-24	.83	.73	.72	.144
3/8	1/8	172P-6-2	1/2-24	.88	.86	.74	.204
3/8	1/4	172P-6-4	1/2-24	.98	.86	1.03	.204
1/2	3/8	172P-8-6	11/16-20	1.12	1.04	1.13	.323

NV311P | **needle valve** fractional inch tube to male NPT

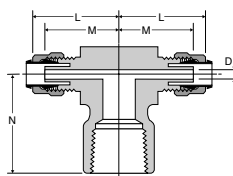
ØD in	NPT Thread	Part Number	H in	L Open in	L Closed in	M in	N in
1/4	1/8	NV311P-4-2	1.06	1.36	1.16	.64	.63
1/4	1/4	NV311P-4-4	1.06	1.38	1.18	.64	.72
3/8	1/4	NV311P-6-4	1.06	1.38	1.18	.64	.72

NV312P | **angle needle valve** fractional inch tube to male NPT

ØD in	NPT Thread	Part Number	H in	L Open in	L Closed in	M in	N in
1/4	1/8	NV312P-4-2	1.06	1.70	1.50	.63	.68
1/4	1/4	NV312P-4-4	1.06	2.07	1.82	.71	.86
3/8	1/4	NV312P-6-4	1.06	2.00	1.75	.74	.86

170P | **female elbow** fractional inch tube to female NPT

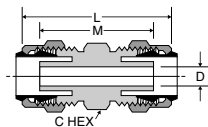
ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	Flow Dia. D
1/4	1/8	170P-4-2	3/8-24	.90	.79	.56	.125
1/4	1/4	170P-4-2	3/8-24	1.00	.89	.69	.125
3/8	1/4	170P-4-2	3/8-24	1.01	.89	.69	.204
1/2	1/8	170P-4-2	3/8-24	1.19	1.11	1.13	.323

177P | **female branch** fractional inch tube to female NPT

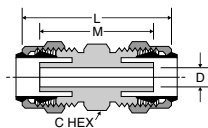
ØD in	NPT Thread	Part Number	Straight Thread	L in	M in	N in	Flow Dia. D
1/4	1/8	177P-4-2	3/8-24	.92	.81	.88	.125
1/4	1/4	177P-4-4	3/8-24	.92	.81	1.03	.125
1/4	3/8	177P-4-6	3/8-24	1.03	.92	1.13	.125



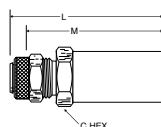
WARNING: These products can expose you to chemicals including NICKEL, CARBON BLACK, TITANIUM DIOXIDE, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

62P | **union** fractional inch tube to tube

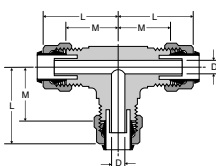
ØD in	Part Number	Straight Thread	C in	L in	M in	Flow Dia. D
1/4	62P-4	3/8-24	3/8	1.17	.96	.125
5/16	62P-5	7/16-24	7/16	1.16	.96	.144
3/8	62P-6	1/2-24	1/2	1.23	.99	.204
1/2	62P-8	11/16-20	11/16	1.47	1.24	.323

62P | **union reducer** fractional inch tube to tube

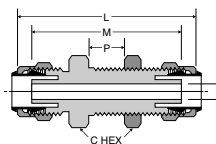
ØD1 in	ØD2 in	Part Number	Straight Thread 1	Straight Thread 2	C in	L in	M in	Flow Dia. D
1/4	3/8	62P-6-4	3/8-24	1/2-24	1/2	1.22	.99	.125

97P | **tube end reducer** fractional inch tube

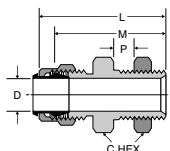
ØD in	Part Number	C in	L in	M in
3/8 x 1/4	97P-4-6	.437	1.718	1.625
1/2 x 3/8	97P-6-8	.562	1.875	1.781

164P | **union** fractional inch tube to tube to tube

ØD in	Part Number	Straight Thread	L in	M in	Flow Dia. D
1/4	164P-4	3/8-24	.84	.73	.125
5/16	164P-5	7/16-24	.83	.73	.144
3/8	164P-6	1/2-24	.98	.86	.203
1/2	164P-8	11/16-20	1.12	1.04	.323

62PBH | **bulkhead union** fractional inch tube to tube

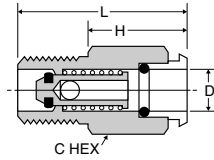
ØD in	Part Number	Straight Thread	C in	P max. in	L in	M in	Bulkhead Hole Dia.	Flow Dia. D
1/4	62PBH-4	3/8-24	9/16	.38	1.75	1.53	3/8	.125
5/16	62PBH-5	7/16-24	5/8	.38	1.71	1.52	7/16	.144
3/8	62PBH-6	1/2-24	11/16	.47	1.89	1.65	1/2	.204
1/2	62PBH-8	11/16-20	7/8	.63	2.28	2.05	11/16	.323

62PTBH | **bulkhead union** fractional inch tube to tube

ØD in	Part Number	Straight Thread	C in	P max. in	L in	M in	bulkhead hole Dia.	Flow Dia. D
1/4	62PTBH-4	3/8-24	9/16	.31	1.19	.93	3/8	.260
5/16	62PTBH-5	7/16-24	5/8	.31	1.19	.93	7/16	.323
3/8	62PTBH-6	1/2-24	11/16	.34	1.26	.99	1/2	.387



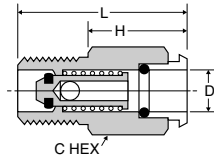
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chrome plated

391P | **pipe coupler body** fractional inch tube to NPT

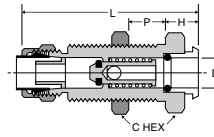
D-Insert Dia.	Pipe Thread	Part Number	C in	H in	L in
1/4	1/8	391P-4-2	1/2	.91	.129
1/4	1/4	391P-4-4	9/16	.73	.129
3/8	1/4	391P-6-4	11/16	.85	.141



stainless steel

391PSS | **pipe coupler body** fractional inch tube to NPT

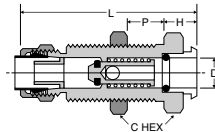
D-Insert Dia.	Pipe Thread	Part Number	C in	H in	L in
1/4	1/8	391PSS-4-2	.500	.900	1.271
1/4	1/4	391PSS-4-4	.562	.710	1.271
3/8	1/4	391PSS-6-4	.625	.840	1.400



chrome plated

392P | **bulkhead coupler body** fractional inch tube to tube

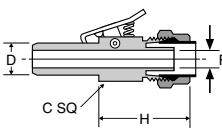
ØD in	D-Insert Dia.	Part Number	Straight Thread	C in	P max in	H in	L in	Bulkhead Hole Dia.
1/4	1/4	392P-4-4	1/2-24	5/8	.84	.39	2.13	1/2
3/8	3/8	392P-6-6	11/16-24	13/16	.93	.37	2.01	11/16



stainless steel

392PSS | **bulkhead coupler body** fractional inch tube to tube

ØD in	D-Insert Dia.	Part Number	Bulkhead Thread	C in	P max in	H in	L in	Bulkhead Hole Dia.
1/4	1/4	392PSS-4-4	1/2-24	.625	.84	.28	2.03	1/2
3/8	3/8	392PSS-6-6	11/16-24	.812	.93	.31	2.20	11/16



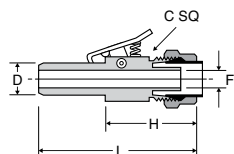
chrome plated

393P | **through type insert** fractional inch tube to pipe

ØD in	D-Insert Dia.	Part Number	Straight Thread	C square in	H in	Flow Dia. F
1/4	1/4	393P-4-4	3/8-24	7/16	1.12	.125
3/8	3/8	393P-6-6	1/2-24	1/2	1.34	.203



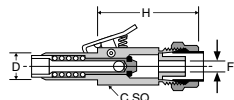
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stainless steel

393PSS through type insert fractional inch tube to pipe

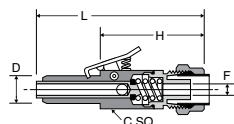
ØD in	D-Insert Dia.	Part Number	C square in	L in	H in	Flow Dia. F
1/4	1/4	393PSS-4-4	7/16	1.677	.99	.125
3/8	3/8	393PSS-6-6	1/2	2.030	1.27	.203



chrome plated

393PD shut off type insert fractional inch tube to pipe

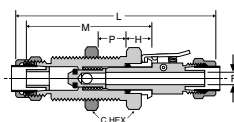
ØD in	D-Insert Dia.	Part Number	C square in	H in	Flow Dia. F
1/4	1/4	393PD-4-4	7/16	1.61	.110
3/8	3/8	393PD-6-6	1/2	1.45	.187



stainless steel

393PDSS shut off type insert fractional inch tube to pipe

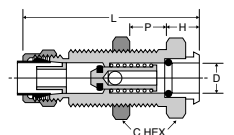
ØD in	D-Insert Dia.	Part Number	C square in	L in	H in	Flow Dia. F
1/4	1/4	393PDSS-4-4	.500	2.46	1.62	.116
3/8	3/8	393PDSS-6-6	.500	2.60	1.67	.157



chrome plated

394P single end shut off bulkhead quick coupler
fractional inch tube to tube

ØD in	Part Number	Straight Thread	C in	P max in	H in	L in	M in	Bulkhead Hole Dia.	Flow Dia. F
1/4	393P-4-4	1/2-24	5/8	.84	.39	3.28	2.13	1/2	.125
3/8	393P-6-6	11/16-24	13/16	.93	.37	3.41	2.01	11/16	.203



stainless steel

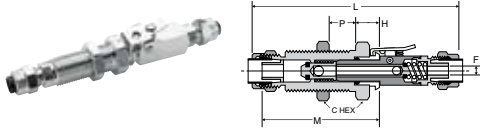
394PSS single end shut off bulkhead quick coupler
fractional inch tube to tube

ØD in	Part Number	Bulkhead Thread	C in	P max in	L in	H in	Flow Dia. D
1/4	394PSS-4-4	1/2-24	.625	.84	3.05	.31	.125
3/8	394PSS-6-6	11/16-24	.812	.93	3.50	.34	.203



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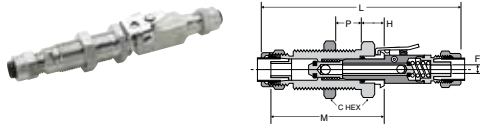
394PD | double end shut off bulkhead quick coupler fractional inch tube



chrome plated

ØD in	Part Number	Straight Thread	C in	P max in	H in	L in	M in	Bulkhead Hole Dia.	Flow Dia. F
1/4	394PD-4-4	1/2-24	5/8	.84	.39	3.77	2.13	1/2	.125
3/8	394PD-6-6	11/16-24	13/16	.93	.37	3.48	2.01	11/16	.204

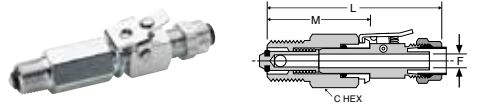
394PDSS | double end shut off bulkhead quick coupler fractional inch tube



stainless steel

ØD in	Part Number	Bulkhead Thread	C in	P max in	L in	H in	Flow Dia. F
1/4	394PDSS-4-4	1/2-24	.625	.84	3.69	.32	.125
3/8	394PDSS-6-6	11/16-24	.812	.93	3.91	.34	.203

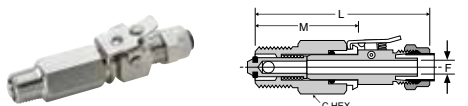
398P | single end shut off pipe connector quick coupler fractional inch tube



chrome plated

ØD in	ØD2 in	Part Number	Straight Thread	C in	L in	M in	Flow Dia. F
1/4	1/8	398P-4-2	1/2-24	1/2	3.28	2.13	.125
1/8	1/4	398P-4-4	11/16-24	13/16	3.41	2.01	.203

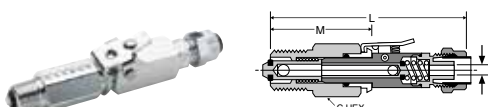
398PSS | single end shut off connector quick coupler fractional inch tube



stainless steel

ØD in	Pipe Thread	Part Number	C in	L in	M in	Flow Dia. F
1/4	1/8	398PSS-4-2	.500	2.30	1.32	.125
1/4	1/4	398PSS-4-4	.562	2.30	1.32	.125
3/8	1/4	398PSS-6-4	.625	2.70	1.43	.203

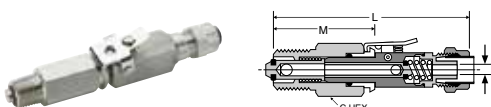
398PD | double end shut off pipe connector quick coupler fractional inch tube



chrome plated

ØD in	Pipe Thread	Part Number	Straight Thread	C in	L in	M in	Flow Dia. F
1/4	1/8	398PD-4-2	3/8-24	1/2	2.93	1.31	.125
1/4	1/4	398PD-4-4	3/8-24	9/16	2.93	1.32	.125
3/8	1/4	398PD-6-4	1/2-24	5/8	2.88	1.43	.204

398PDSS | double end shut off pipe connector quick coupler fractional inch tube



chrome plated

ØD in	Pipe Thread	Part Number	C in	L in	M in	Flow Dia. F
1/4	1/8	398PDSS-4-2	.500	2.93	1.31	.125
1/4	1/4	398PDSS-4-4	.562	2.93	1.31	.125
3/8	1/4	398PDSS-6-4	.625	3.10	1.43	.125



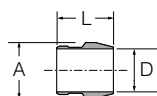
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56PSG | **spring guard** fractional inch

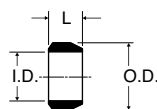
ØD in	Part Number	L in
1/4	56PSG-4	3.000
5/16	56PSG-5	3.000
3/8	56PSG-6	3.000

59P | **plastic cap** fractional inch

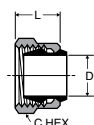
ØD in	Part Number	A in	L in
1/4	56P-4	.247	.50
3/8	56P-5	.372	.56
1/2	56P-6	.497	.63

60P | **acetal plastic sleeve** fractional inch

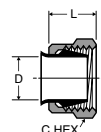
ØD in	Part Number	A in	D in	L in
1/4	60P-4	.334	.261	.338
5/16	60P-5	.405	.321	.340
3/8	60P-6	.465	.381	.367
1/2	60P-8	.628	.514	.399

60PB | **sleeve** fractional inch

Part Number	ØD in	ID in	L in
60PB-4	.336	.255	.187
60PB-5	.400	.318	.187
60PB-6	.460	.382	.218
60PB-8	.620	.507	.250

61P | **nut and plastic sleeve assembly** fractional inch

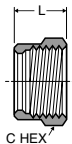
ØD in	Part Number	Straight Thread	C in	D in	L in
1/4	61P-4	3/8-24	7/16	.261	.38
5/16	61P-5	7/16-24	1/2	.321	.34
3/8	61P-6	1/2-24	9/16	.380	.38
1/2	61P-8	1 1/16-20	3/4	.514	.44

61PB | **nut and brass sleeve assembly** fractional inch

Part Number	Straight Thread	C in	D in	L in
61PB-4	3/8-24	7/16	.255	.38
61PB-5	7/16-24	1/2	.318	.34
61PB-6	1/2-24	9/16	.382	.38
61PB-8	1 1/16-20	3/4	.507	.44

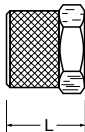


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61PN | **nut** fractional inch

ØD in	Part Number	Straight Thread	C in	L in
1/4	61PN-4	3/8-24	7/16	.38
5/16	61PN-5	7/16-24	1/2	.34
3/8	61PN-6	1/2-24	9/16	.38
1/2	61PN-8	11/16-20	3/4	.44



61PSGN | **nut only for use with spring guard** fractional inch

ØD in	Part Number	C in	L in
1/4	61PSGN-4	.625	.437
5/16	61PSGN-5	.625	.500
3/8	61PSGN-6	.656	.562

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Adapters, Barbs and Accessories

Brass Pipe Fittings

Brass Accessories

Nickel Plated Brass
Adapters

Stainless Steel Adapters

Dubl-Barb Fittings

Hose Barb Fittings

Aluminum Manifolds

Mufflers / Silencers

Sealing Accessories

Plugs

Storage



male pipe fittings

215PN
NPT
p. F6**215PNL**
NPT
p. F6**216P**
NPT
p. F6**1204P**
NPT
p. F7**209P**
NPT
p. F7**222P**
NPT
p. F7**1202P-
2202P**
NPT
p. F8**2224P**
NPT
p. F8**2225P**
NPT
p. F8**2214P**
NPT
p. F8

female pipe fittings

207ACBH
BSPP
p. F9**207P**
BSPT/BSPP
p. F9**208P**
BSPT
p. F9**212P**
BSPP
p. F9**1200P-
2200P**
BSPT/BSPP
p. F9**1203P-
2203P**
BSPP/M5
p. F10**2200PDE**
NPT/BSPT
p. F10**1201P-
2201P**
BSPT
p. F10**2205P**
BSPT
p. F10

barb to male threaded fittings

27
BSPP
p. F13**28**
NPT
p. F13**228**
NPT
p. F14**229**
NPT
p. F14-F15**231**
NPT
p. F15**232**
NPT
p. F15**125HB**
NPT
p. F17**125HBL**
NPT
p. F17**125HBLSV**
NPT
p. F17**129HB**
NPT
p. F18**1295HB**
BSPP
p. F18**139HB**
NPT
p. F19**171HB**
NPT
p. F19**1725HB**
NPT
p. F19

barb to female threaded fittings

26
NPT
p. F13**230**
NPT
p. F15**237**
NPT
p. F15**126HBL**
NPT
p. F18**127HB**
NPT
p. F18**128HBLSV**
NPT
p. F18**146HBLFSV**
NPT
p. F19

barb to barb fittings

22
p. F12**224**
p. F14**225**
p. F14**122HBL**
p. F17

adapters

22CA
p. F12**220**
p. F13**233**
p. F15**238**
p. F15

barb to male metric threaded fittings

0931
BSPP
p. F22**0123**
BSPT
p. F23**0136**
BSPT
p. F23**0191**
BSPP
p. F23

barbed bulkhead union

22BH
p. F12**22CABH**
p. F12

auxiliary components

20
p. F12**97HC**
p. F19

brass accessories

0143BSPP
p. F11**0144**BSPT/BSPP
p. F11**0152**BSPT
p. F11**0145**BSPP
p. F11**0158**BSPT/BSPP
p. F11**0117**BSPP/M5
p. F11**0121**NPT/BSPT
p. F12**0121**BSPT
p. F12**0929**BSPT
p. F12**0155**BSPP
p. F12**0164**NPT/BSPP
p. F12**F3HG**NPT/BSPT
p. F13**0168**BSPP
p. F13**0163**BSPP/BSPT
p. F13**0169**BSPP
p. F13**0136**BSPT
p. F30

nickel plated brass adapters

0912BSPP/M5
p. F14**0913/
0921**BSPT/BSPP/M5
p. F14**0914/
0922**BSPT/M5
p. F14**0910**BSPP
p. F14**0911**BSPP/BSPT
p. F14**0915**BSPP/M5
p. F14**0916/
0923**BSPP/BSPT/M5
p. F15**0917/
0924**BSPP/BSPT/M5
p. F25**0927**BSPT
p. F15**0928**BSPT/BSPP
p. F15**0908**BSPP
p. F15**0909**BSPP/BSPT
p. F15**0903**BSPP
p. F16**0904**BSPP/BSPT
p. F16**0905**BSPP/M5
p. F16**0906**BSPP
p. F26**0907**BSPP
p. F16**0920**BSPP/M5
p. F16**0900**BSPT
p. F17**0901**BSPP/M5
p. F17**0192**BSPT/BSPP
p. F17**0902**BSPP/M5
p. F17

stainless steel adapters

1844BSPT/BSPP
p. F18**1843**BSPP
p. F18**1845**BSPP
p. F18**1871**NPT
p. F18**1817**BSPP
p. F18**1855**BSPP
p. F18**1870**NPT
p. F19**1862**BSPP
p. F19**1864**NPT/BSPP
p. F19**1867**BSPT/NPT
p. F19**1872**NPT
p. F19**1863**BSPT/BSPP
p. F19**1873**NPT
p. F20**1861**BSPT/BSPP
p. F20**1821**NPT
p. F20**1821**BSPT
p. F20**1823**NPT
p. F20

aluminum manifolds**3315**NPT
p. F31**3310**BSPP
p. F31**silencers****0610/0670**UNF/NPT/BSPP
p. F32**0673**BSPP/M5
p. F32**0677**BSPP
p. F32**0671**

p. F32

0614/0672NPT/BSPP
p. F32**0611/0674**NPT/BSPP/M5
p. F33**0676**BSPP
p. F33**0683**NPT
p. F33**0682**BSPP
p. F33**sealing accessories****0138**

p. F34

0139BSPP
p. F34**0602**BSPP/M5
p. F34**0127**

p. F35

1827

p. F35

plugs**0200**BSPP/metric
p. F36**0205**NPT/BSPT
p. F36**0285**NPT/BSPT
p. F37**0206**NPT/BSPT
p. F37**storage****3150**cabinet
p. F38**3150**fit kit
p. F38**16-CB**bin
p. F39**24-CB**bin
p. F39**ADJ-CB**bin
p. F39**4CB-SR**bin
p. F39**LSR-STAND**stand
p. F39**9-DC**cabinet
p. F40**18-DC**cabinet
p. F40**24B-CABINET**cabinet
p. F40**40B-CABINET**cabinet
p. F40



Pipe Fittings

Parker Legris' pipe fittings meet all functional requirements of SAE J530 and SAE J531. All threads on the pipe fittings are made to dryseal standards.

Product Features:

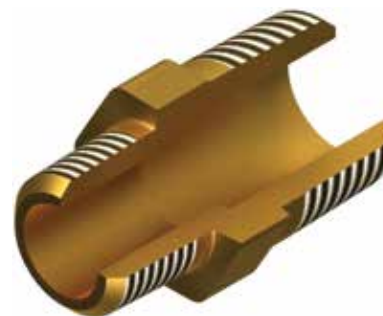
- All brass construction
- Meets functional requirements of SAE J530 and SAE J531
- Threads made to dryseal standards
- Both forgings and extrusions available

Markets:

- Industrial
- Construction
- Heavy Duty Truck
- Mobile
- Factory/Process Automation

Applications:

- Air Lines
- Water Lines
- Cooling Lines



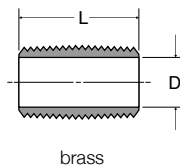
Specifications:

Pressure Range Up to 1,000 psi (69 bar)

Temperature Range -65° to +250° F (-53° to 121° C)

Compatible Tubing:

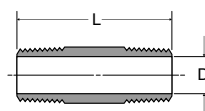
- Copper
- Brass
- Iron Pipe



brass

215PN | close nipple NPT

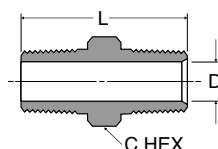
Thread NPT	Part Number	L in	Flow Dia. D
1/8	215PN-2	.75	.281
1/4	215PN-4	.88	.375
3/8	215PN-6	1.00	.500
1/2	215PN-8	1.13	.625
3/4	215PN-12	1.31	.750



brass

215PNL | long nipple NPT

Thread NPT	Part Number	L in	Flow Dia. D
1/8	215PNL-2-15	1-1/2	.250
1/4	215PNL-4-15	1-1/2	.375
3/8	215PNL-6-15	1-1/2	.500
1/2	215PNL-8-15	1-1/2	.625
1/8	215PNL-2-20	2	.250
1/4	215PNL-4-20	2	.375
3/8	215PNL-6-20	2	.500
1/2	215PNL-8-20	2	.625
1/8	215PNL-2-25	2-1/2	.250
1/4	215PNL-4-25	2-1/2	.375
3/8	215PNL-6-25	2-1/2	.500
1/2	215PNL-8-25	2-1/2	.625
1/8	215PNL-2-30	3	.250
1/4	215PNL-4-30	3	.375
3/8	215PNL-6-30	3	.500
1/2	215PNL-8-30	3	.625
1/8	215PNL-2-35	3-1/2	.250
1/4	215PNL-4-35	3-1/2	.375
3/8	215PNL-6-35	3-1/2	.500
1/2	215PNL-8-35	3-1/2	.625



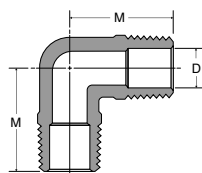
brass

216P | hex nipple NPT

Thread NPT	Part Number	C in	L in	Flow Dia. D
1/8	216P-2	7/16	.97	.220
1/4	216P-4	9/16	1.38	.314
3/8	216P-6	11/16	1.41	.440
1/2	216P-8	7/8	1.81	.564
3/4	216P-12	1-1/16	1.81	.752



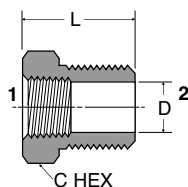
WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



brass

1204P | **male elbow** NPT

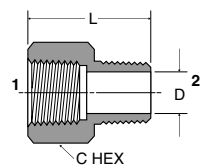
Thread NPT	Part Number	M in	Flow Dia. D
1/8	1204P-2	.71	.220
1/4	1204P-4	1.09	.312
3/8	1204P-6	1.09	.408
1/2	1204P-8	1.41	.502



brass

209P | **bushing** NPT

1 NPT	2 NPT	Part Number	C in	L in	Flow Dia. D
1/8	1/4	209P-4-2	9/16	.75	.339
1/8	3/8	209P-6-2	11/16	.75	.339
1/4	3/8	209P-6-4	3/4	.75	.441
1/8	1/2	209P-8-2	7/8	1.00	.339
1/4	1/2	209P-8-4	7/8	1.00	.441
3/8	1/2	209P-8-6	7/8	1.00	.571
1/8	3/4	209P-12-2	1-1/8	1.00	.339
1/4	3/4	209P-12-4	1-1/8	1.00	.441
3/8	3/4	209P-12-6	1-1/8	1.00	.571
1/2	3/4	209P-12-8	1-1/8	1.00	.703
1/2	1	209P-16-8	1	1.00	.703
3/4	1	209P-16-12	1	1.00	.703



brass

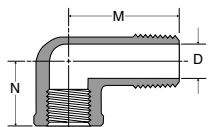
222P | **adapter** NPT

1 NPT	2 NPT	Part Number	C in	L in	Flow Dia. D
1/8	1/8	222P-2-2	9/16	.88	.218
1/4	1/8	222P-4-2	3/4	1.06	.218
1/4	1/4	222P-4-4	3/4	1.25	.314
3/8	1/8	222P-6-2	7/8	1.10	.218
3/8	1/4	222P-6-4	7/8	1.25	.314
3/8	3/8	222P-6-6	7/8	1.25	.440
1/2	1/4	222P-8-4	1	1.47	.312
1/2	3/8	222P-8-6	1-1/16	1.47	.440
1/2	1/2	222P-8-8	1-1/16	1.66	.562
3/4	3/8	222P-12-6	1-3/8	1.69	.562
3/4	3/4	222P-12-12	1-3/8	1.69	.752



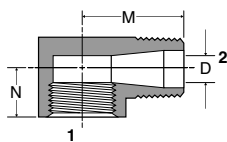
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1202P

**1202P-2202P**

brass

2202P

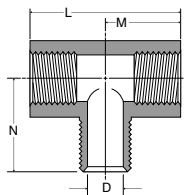


brass

90° street elbow NPT

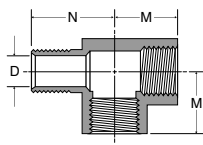
1 NPT	2 NPT	Part Number	M in	N in	Flow Dia. D
1/8	1/8	1202P-2-2	.81	.56	.22
1/8	1/8	2202P-2-2	.62	.48	.22
1/8	1/4	1202PA-2-2*	.66	.48	.22
1/4	1/8	2202P-4-2	.72	.45	.23
1/4	1/4	1202P-4-4	1.08	.69	.31
1/4	1/4	2202P-4-4	.91	.45	.34
1/4	1/4	2202PA-4-4*	.91	.72	.31
1/4	3/8	2202P-4-6	.97	.78	.43
3/8	1/4	1202P-6-4	1.25	.78	.31
3/8	3/8	1202P-6-6	1.25	.78	.42
3/8	3/8	2202P-6-6	.98	.54	.41
3/8	3/8	2202PA-6-6*	.97	.78	.43
3/8	1/2	1202P-6-8	1.53	1.01	.56
1/2	3/8	1202P-8-6	1.25	.97	.42
1/2	1/2	2202P-8-8	1.25	1.03	.56
3/4	1/2	2202P-12-8	1.39	1.10	.56
3/4	3/4	2202P-12-12	1.39	1.10	.75

*meets SAE dimensions

2224P**male branch tee NPT**

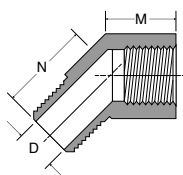
brass

Thread NPT	Part Number	L in	M in	N in	Flow Dia. D
1/8	2224P-2	1.06	.53	.66	.220
1/4	2224P-4	1.52	.76	.91	.314
3/8	2224P-6	1.68	.84	.97	.440
1/2	2224P-8	2.18	1.09	1.25	.564
3/4	2224P-12	2.32	1.16	1.38	.752

2225P**street tee NPT**

brass

Thread NPT	Part Number	M in	N in	Flow Dia. D
1/8	2225P-2	.53	.66	.220
1/4	2225P-4	.76	.91	.314
3/8	2225P-6	.84	.98	.440
1/2	2225P-8	1.07	1.26	.564
3/4	2225P-12	1.14	1.38	.752

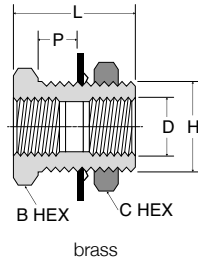
2214P**45° street elbow NPT**

brass

Thread NPT	Part Number	M in	N in	Flow Dia. D
1/8	2214P-2-2	.38	.50	.220
1/4	2214P-4-4	.54	.70	.314
3/8	2214P-6-6	.56	.78	.440
1/2	2214P-8-8	.73	1.00	.564
3/4	2214P-12-12	.75	1.35	.750

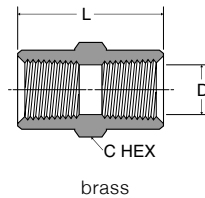


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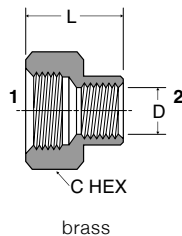
207ACBH anchor coupling NPT

Thread NPT	Part Number	Straight Thread	P max in	B in	C in	L in	Blkhd Hole Dia. H	Flow Dia. D
1/8	207ACBH-2	5/8-18	.89	7/8	15/16	1.50	5/8	.339
1/8	207ACBH-2	5/8-18	.35	7/8	15/16	.96	5/8	.339
1/4	207ACBH-4	3/4-16	.81	1	1-1/8	1.50	3/4	.441
1/4	207ACBH-4	3/4-16	.26	1	1	.94	3/4	.441
3/8	207ACBH-6	1-14	.62	1-1/8	1-1/4	1.31	1	.571
1/2	207ACBH-8	1-1/8-14	.75	1-1/4	1-3/8	1.50	1-1/8	.703
3/4	207ACBH-12	1-5/16-12	.65	1-1/2	1-1/2	1.50	1-5/16	.906
1	207ACBH-16*	1-5/8-14	1.00	2	2	1.68	1-5/8	1.140

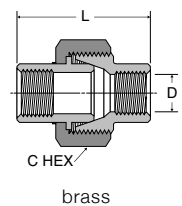
*lock washer not available

207P coupling NPT

Thread NPT	Part Number	C in	L in	Flow Dia. D
1/8	207P-2	9/16	.75	.339
1/4	207P-4	3/4	1.12	.441
3/8	207P-6	7/8	1.12	.571
1/2	207P-8	1-1/16	1.50	.703
3/4	207P-12	1-3/8	1.53	.906

208P reducer coupling NPT

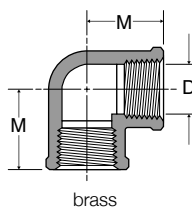
1 NPT	2 NPT	Part Number	C in	L in	Flow Dia. D
1/4	1/8	208P-4-2	3/4	.97	.339
3/8	1/4	208P-6-4	7/8	1.16	.441
1/2	1/4	208P-8-4	1-1/16	1.28	.441
1/2	3/8	208P-8-6	1-1/16	1.38	.571
3/4	3/8	208P-12-6	1-3/8	1.32	.571
3/4	1/2	208P-12-8	1-3/8	1.50	.703

212P union NPT

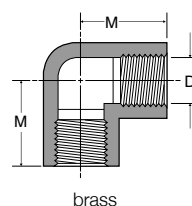
Thread NPT	Part Number	C in	L in	Flow Dia. D
1/4	212P-4	1-3/16	1.54	.441
3/8	212P-6	1-1/4	1.76	.571

1200P-2200P 90° union elbow NPT

1200P



2200P

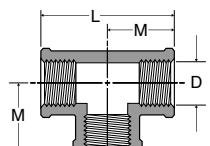


Thread NPT	Part Number	M in	Flow Dia. D
1/8	1200P-2-2	.56	.329
1/8	2200P-2-2	.55	.339
1/4	1200P-4-4	.81	.441
1/4	2200P-4-4	.78	.441
3/8	1200P-6-6	.84	.571
3/8	2200P-6-6	.84	.571
1/2	2200P-8-8	1.07	.703



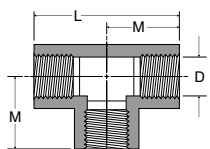
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1203P



brass

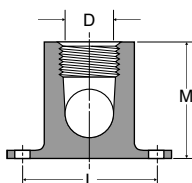
2203P



brass

1203P-2203P**90° union elbow NPT**

Thread NPT	Part Number	L in	M in	Flow Dia. D
1/8	1203P-2	1.12	.56	.339
1/8	2203P-2	1.06	.53	.339
1/4	1203P-4	1.38	.69	.441
1/4	2203P-4	1.52	.76	.441
3/8	2203P-6	1.68	.84	.571
1/2	1203P-8	2.14	1.07	.571
1/2	2203P-8	2.14	1.07	.703
3/4	2203P-12	2.28	1.14	.906

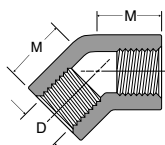
2200PDE**drop-ear 90° elbow NPT**

brass

Thread NPT	Part Number	L in	M in	Flow Dia. D
1/8	2200PDE-2	1.38	1.00	.339

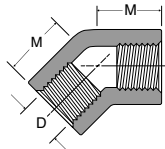
1201P-2201P**45° female elbow NPT**

1201P



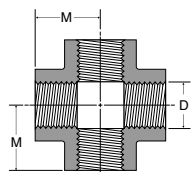
brass

2201P



brass

NPT Thread	Part Number	M in	Flow Dia. D
1/8	2201P-2-2	.43	.339
1/2	2201P-8-8	.89	.703

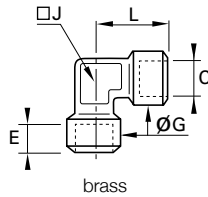
2205P**cross NPT**

brass

Thread NPT	Part Number	M in	Flow Dia. D
1/8	2205P-2	.53	.339
1/4	2205P-4	.75	.441
3/8	2205P-6	.81	.571
1/2	2205P-8	1.07	.703
3/4	2205P-12	1.14	.906

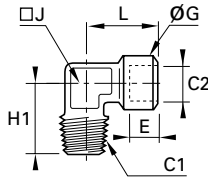


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0143 female elbow BSPP

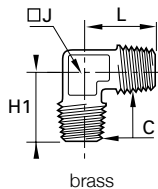
brass

C BSPP	Part Number	E mm	G mm	J mm	L mm	kg
G1/8	0143 10 10	7.5	16.5	12	22.5	.042
G1/4	0143 13 13	11	18.5	15	26.5	.055
G3/8	0143 17 17	11.5	23.5	19	31.5	.098
G1/2	0143 21 21	15	28	23	35.5	.158
G3/4	0143 27 27	16.5	34	27	43.5	.256

0144 street elbow female BSPP to male BSPT

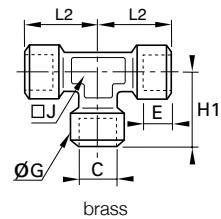
brass

C1 BSPT	C2 BSPP	Part Number	E mm	G mm	H1 mm	J mm	L mm	kg
R1/8	G1/8	0144 10 10	7.5	16.5	23	12	22.5	.033
R1/4	G1/4	0144 13 13	11	18.5	26	15	26.5	.050
R3/8	G3/8	0144 17 17	11.5	23.5	30	19	31.5	.085
R1/2	G1/2	0144 21 21	15	28	35	23	35.5	.138
R3/4	G3/4	0144 27 27	16.5	34	40	27	43.5	.229

0152 equal elbow male BSPT

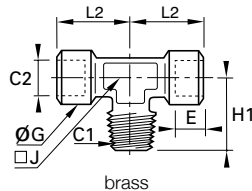
brass

C1 BSPT	Part Number	H1 mm	J mm	L mm	kg
R1/8	0152 10 10	19.5	10	19.5	.018
R1/4	0152 13 13	25	15	25	.045
R3/8	0152 17 17	26.5	15	26.5	.056
R1/2	0152 21 21	31.5	19	31.5	.087
R3/4	0152 27 27	35.5	23	35.5	.153

0145 female tee BSPP

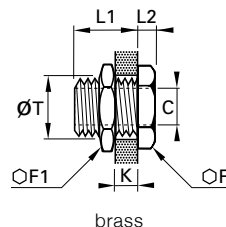
brass

C BSPP	Part Number	E mm	G mm	H1 mm	J mm	L2 mm	kg
G1/8	0145 10 10	7.5	16.5	22.5	12	22.5	.051
G1/4	0145 13 13	11	18.5	26.5	15	26.5	.074
G3/8	0145 17 17	11.5	23.5	31	19	31.5	.147
G1/2	0145 21 21	15	28	38	23	38	.231
G3/4	0145 27 27	16.5	34	47.5	27	47.5	.381

0158 branch tee female BSPP to male BSPT

brass

C1 BSPT	C2 BSPP	Part Number	E mm	G mm	H1 mm	J mm	L2 mm	kg
R1/8	G1/8	0158 10 10	7.5	16.5	21.5	12	21.5	.045
R1/4	G1/4	0158 13 13	11	18.5	26	15	26	.071
R3/8	G3/8	0158 17 17	11.5	23.5	30	19	30	.118
R1/2	G1/2	0158 21 21	15	28	36	23	36	.203
R3/4	G3/4	0158 27 27	16.5	34	44	27	44	.320

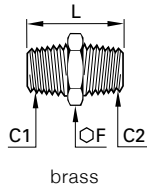
0117 bulkhead BSPP and M5

brass

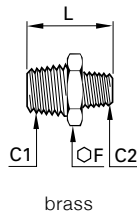
C1 BSPP/M5	Part Number	F mm	F1 mm	K max mm	L1 mm	L2 mm	T max mm	kg
M5x0.8	0117 00 19	14	14	7	10.5	3.5	10.5	.013
G1/8	0117 00 10	19	22	9	14	4	16.5	.033
G1/4	0117 00 13	24	27	15	21	4	20.5	.057
G3/8	0117 00 17	30	32	14	21	5	26.5	.096
G1/2	0117 00 21	32	36	20	27	6	28.5	.117
G3/4	0117 00 27	41	41	22.5	30	6	34.5	.162
G1	0117 00 34	46	50	24.5	34	8	42.5	.270
G1-1/4	0117 00 42	55	55	29.5	39	8	49.5	.300
G1-1/2	0117 00 49	60	60	29.5	39	8	54.5	.306



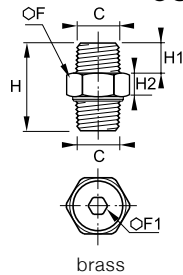
WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**0121** | **male straight adapter** NPT to BSPT

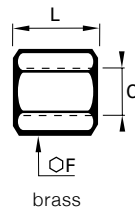
C1 NPT	C2 BSPT	Part Number	F mm	L mm	kg
1/8	R1/8	0121 11 10	11	19	.009
1/4	R1/4	0121 14 13	14	27	.021
3/8	R3/8	0121 18 17	17	28	.025
1/2	R1/2	0121 22 21	22	36	.053
3/4	R3/4	0121 28 27	27	40	.090

0121 | **male straight adapter** BSPT

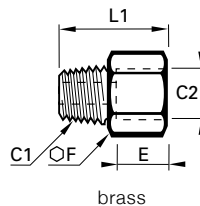
C1 BSPT	C2 BSPT	Part Number	F mm	L mm	kg
R1/8	R1/8	0121 10 10	11	19	.009
R1/4	R1/8	0121 13 10	14	23.5	.021
R1/4	R1/4	0121 13 13	14	27	.021
R3/8	R1/8	0121 17 10	17	24	.022
R3/8	R1/4	0121 17 13	17	27.5	.024
R3/8	R3/8	0121 17 17	17	28	.025
R1/2	R1/8	0121 21 10	22	28.5	.041
R1/2	R1/4	0121 21 13	22	32	.045
R1/2	R3/8	0121 21 17	22	32.5	.045
R1/2	R1/2	0121 21 21	22	36	.053
R3/4	R1/4	0121 27 13	27	35	.079
R3/4	R3/8	0121 27 17	27	35.5	.076
R3/4	R1/2	0121 27 21	27	39	.084
R3/4	R3/4	0121 27 27	27	40	.092
R1	R3/8	0121 34 17	36	38.5	.126
R1	R1/2	0121 34 21	36	42	.133
R1	R3/4	0121 34 27	36	43	.143
R1	R1	0121 34 34	36	46	.156
R1-1/4	R1/2	0121 42 21	46	46.5	.219
R1-1/4	R3/4	0121 42 27	46	47.5	.229
R1-1/4	R1	0121 42 34	46	50.5	.237
R1-1/4	R1-1/4	0121 42 42	46	53	.233

**0929** | **3 piece adapter** double male BSPT

C BSPT	Part Number	F mm	F1 mm	H mm	H1 mm	H2 mm	kg
R1/8	0929 00 10	15	5	27	9	8.5	.181
R1/4	0929 00 13	19	6	33.5	11.5	9.5	.100
R3/8	0929 00 17	22	8	36.5	13	10	.010
R1/2	0929 00 21	27	12	45	15.5	12	.088

**0155** | **female sleeve** BSPP

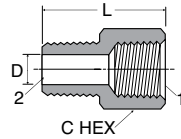
C BSPP	Part Number	F mm	L mm	kg
G1/8	0155 10 10	14	17	.015
G1/4	0155 13 13	17	24	.025
G3/8	0155 17 17	22	25	.045
G1/2	0155 21 21	27	32	.084
G3/4	0155 27 27	32	35	.109

**0164** | **adapter** female BSPP to male NPT

C1 NPT	C2 BSPP	Part Number	E mm	F mm	L mm	kg
1/8	G1/8	0164 11 10	7.5	14	20	.015
3/8	G3/8	0164 18 17	11.5	22	28.5	.044
1/2	G1/2	0164 22 21	15	27	36.5	.081
3/4	G3/4	0164 28 27	16.5	32	38.5	.112

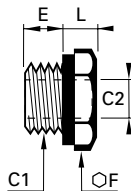


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F3HG adapter female NPT to male BSPT

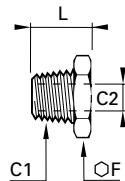
brass

C1 BSPT	C2 NPT	Part Number	C in	L mm	D mm	kg
1/8	1/8	1/8F3HG-B	9/16	.93	.22	.0418
1/4	1/4	1/4F3HG-B	3/4	1.35	.31	.0911
3/8	3/8	3/8F3HG-B	7/8	1.35	.44	.1165
1/2	1/2	1/2F3HG-B	1-1/16	1.76	.56	.2178

0168 adapter reducer female BSPP to male BSPP

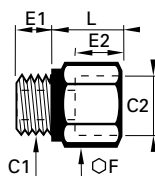
brass with nylon washer

C1 BSPP	C2 BSPP/M5	Part Number	E mm	F mm	L mm	kg
G1/8	M5x0.8	0168 10 19	7	14	6	.008
G1/4	M5x0.8	0168 13 19	7	17	7	.010
G1/4	G1/8	0168 13 10	7	17	7	.010
G3/8	G1/8	0168 17 10	9	19	6	.020
G3/8	G1/4	0168 17 13	9	19	6	.013
G1/2	G1/8	0168 21 10	9	24	10	.046
G1/2	G1/4	0168 21 13	11	24	10	.038
G1/2	G3/8	0168 21 17	11	24	10	.026
G3/4	G1/4	0168 27 13	11	32	12	.090
G3/4	G3/8	0168 27 17	11	32	12	.078
G3/4	G1/2	0168 27 21	11	32	12	.058

0163 adapter reducer female BSPP to male BSPT

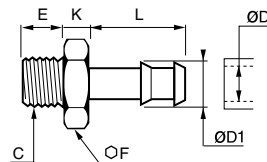
brass

C1 BSPT	C2 BSPP	Part Number	F mm	L mm	kg
R1/4	G1/8	0163 13 10	14	16	.009
R3/8	G1/8	0163 17 10	17	16.5	.020
R3/8	G1/4	0163 17 13	17	16.5	.012
R1/2	G1/8	0163 21 10	22	21	.047
R1/2	G1/4	0163 21 13	22	21	.038
R1/2	G3/8	0163 21 17	22	21	.025
R3/4	G1/4	0163 27 13	27	24	.086
R3/4	G3/8	0163 27 17	27	24	.069
R3/4	G1/2	0163 27 21	27	24	.048

0169 expander female BSPP to male BSPP

brass with nylon washer

C1 BSPT	C2 BSPP	Part Number	E1 mm	E2 mm	F mm	L mm	kg
G1/8	G1/4	0169 10 13	5	11	17	16	.020
G1/8	G3/8	0169 10 17	5	14	22	19.5	.038
G1/4	G3/8	0169 13 17	7	14	22	19.5	.042
G1/4	G1/2	0169 13 21	7	14.5	27	20.5	.061
G3/8	G1/2	0169 17 21	8	14.5	27	20.5	.062
G3/8	G3/4	0169 17 27	8	15.5	32	22	.082
G1/2	G3/4	0169 21 27	9.5	15.5	32	22.5	.088

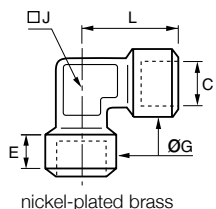
0931 barbed adapter for rubber hose BSPP

nickel-plated brass

ØD mm	C BSPP	Part Number	ØD1 mm	E mm	F mm	K mm	L mm	kg
6	G1/8	0931 06 10	7	6	12	4	20	.008
6	G1/4	0931 06 13	7	8	14	5	20	.013
7	G1/8	0931 07 10	8	6	12	4	20	.009
7	G1/4	0931 07 13	8	8	14	5	20	.017
7	G3/8	0931 07 17	8	9	19	5	20	.022
8	G1/8	0931 08 10	9	6	12	4	20	.009
8	G1/4	0931 08 13	9	8	14	5	20	.014
8	G3/8	0931 08 17	9	9	19	5	20	.022
10	G1/4	0931 10 13	12	8	14	5	20	.016
10	G3/8	0931 10 17	12	9	19	5	20	.023
10	G1/2	0931 10 21	12	10	22	6	22	.032
15	G3/8	0931 15 17	17	9	19	6	24	.030
15	G1/2	0931 15 21	17	10	22	6	24	.036
18	G1/2	0931 18 21	20	10	22	6	24	.043



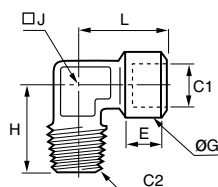
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nickel-plated brass

0912 female elbow BSPP and M5

C BSPP/M5	Part Number	E mm	G mm	J mm	L mm	kg
M5	0912 00 19	10.5	13	10	18.5	.008
G1/8	0912 00 10	8	13	10	18.5	.015
G1/4	0912 00 13	11	17	12	22.5	.028
G3/8	0912 00 17	11.5	21	15	25.5	.044
G1/2	0912 00 21	14	26	19	30	.074
G3/4	0912 00 27	16.5	32	22	35.5	.103

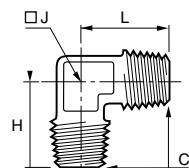


nickel-plated brass

0913/0921 elbow female BSPP to male BSPT and M5

C M5	Part Number	E mm	G mm	H mm	J mm	L mm	kg
M5	0921 00 19	5	13	14	10	18.5	.007

C1 BSPP	C2 BSPT	Part Number	E mm	G mm	H mm	J mm	L mm	kg
G1/8	R1/8	0913 00 10	8	13	18.5	10	21	.033
G1/4	R1/4	0913 00 13	11	17	23.5	13	25.5	.050
G3/8	R3/8	0913 00 17	11.5	21	26	17	28	.085
G1/2	R1/2	0913 00 21	14	26	31	21	33.5	.138
G3/4	R3/4	0913 00 27	15	31	35	27	36.5	.229

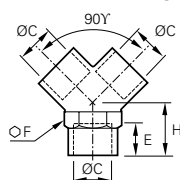


nickel-plated brass

0914/0922 equal elbow male BSPT or M5

C M5	Part Number	H mm	J mm	L mm	kg
M5	0922 00 19	11.5	9	11.5	.008

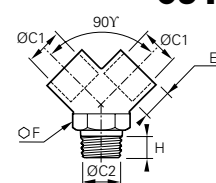
C BSPT	Part Number	H mm	J mm	L mm	kg
R1/8	0914 00 10	17	10	17	.010
R1/4	0914 00 13	22.5	12	22.5	.022
R3/8	0914 00 17	25.5	15	22.5	.035
R1/2	0914 00 21	30	19	30	.058
R3/4	0914 00 27	34.5	22	34.5	.095



nickel-plated brass

0910 "Y" connector female BSPP

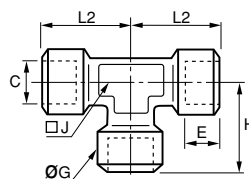
C1 BSPP	Part Number	E mm	F mm	H mm	kg
G1/8	0910 00 10	8	13	12	.055
G1/4	0910 00 13	11	17	14	.081
G3/8	0910 00 17	11.5	20	16	.128
G1/2	0910 00 21	14	25	19	.213



nickel-plated brass

0911 "Y" connector female BSPP to male BSPT

C1 BSPP	C2 BSPT	Part Number	E mm	F mm	H mm	kg
G1/8	R1/8	0911 00 10	8	13	12	.055
G1/4	R1/4	0911 00 13	11	17	14	.081
G3/8	R3/8	0911 00 17	11.5	20	16	.128
G1/2	R1/2	0911 00 21	14	25	19	.213



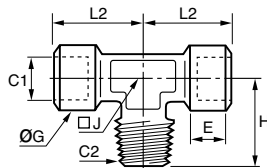
nickel-plated brass

0915 female tee BSPP or M5

C BSPP/M5	Part Number	E mm	G mm	H mm	J mm	L2 mm	kg
G1/8	0915 00 19	4	8	11	9	11	.047
G1/4	0915 00 10	8	13	21	10	21	.051
G3/8	0915 00 13	11	17	25.5	13	25.5	.074
G3/8	0915 00 17	11.5	21	28	17	28	.147
G1/2	0915 00 21	14	26	33.5	21	33.5	.231
G3/4	0915 00 27	14	31	36.5	27	36.5	.381



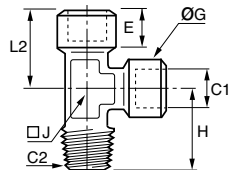
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0916/0923**branch tee** female BSPP to male BSPT

nickel-plated brass

C Metric	Part Number	E mm	G mm	H mm	J mm	L2 mm	kg
M5	0923 00 19	4	8	11	9	11	.040

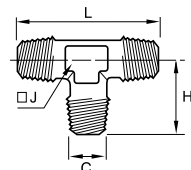
C1 BSPP	C2 BSPT	Part Number	E mm	G mm	H mm	J mm	L2 mm	kg
G1/4	R1/8	0916 00 10	8	13	18.5	10	21	.045
G1/4	R1/4	0916 00 13	11	17	23.5	13	25.5	.071
G3/8	R3/8	0916 00 17	11.5	21	26	17	28	.118
G1/2	R1/2	0916 00 21	14	26	31	21	33.5	.203
G3/4	R3/4	0916 00 27	15	31	36.5	27	36.5	.320

0917/0924**run tee** female BSPP to male BSPT or M5

nickel-plated brass

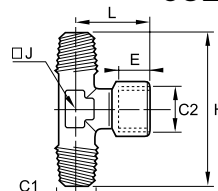
C Metric	Part Number	E mm	G mm	H mm	J mm	L2 mm	kg
M5	0924 00 19	4	8	11	9	11	.040

C1 BSPP	C2 BSPT	Part Number	E mm	G mm	H mm	J mm	L2 mm	kg
G1/8	R1/8	0917 00 10	8	13	18.5	10	21	.045
G1/4	R1/4	0917 00 13	11	17	23.5	13	25.5	.071
G3/8	R3/8	0917 00 17	11.5	21	26	17	28	.118
G1/2	R1/2	0917 00 21	14	26	31	21	33.5	.203
G3/4	R3/4	0917 00 27	15	31	36.5	27	36.5	.320

0927**equal male tee** BSPT

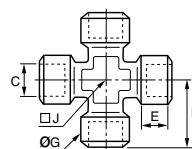
nickel-plated brass

C BSPT	Part Number	H mm	J mm	L mm	kg
R1/8	0927 00 10	18.5	10	37	.017
R1/4	0927 00 13	23.5	13	47	.038
R3/8	0927 00 17	26	17	52	.057
R1/2	0927 00 21	31	21	62	.093

0928**male stud branch tee** BSPT, female BSPP

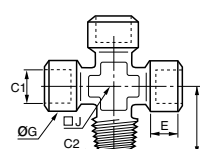
nickel-plated brass

C1 BSPT	C2 BSPP	Part Number	E mm	H mm	J mm	L mm	kg
R1/8	G1/8	0928 00 10	8	37	10	21	.021
R1/4	G1/4	0928 00 13	11	47	13	25.5	.044
R3/8	G3/8	0928 00 17	11.5	52	17	28	.066
R1/2	G1/2	0928 00 21	14	62	21	33.5	.109

0908**cross** female BSPP

nickel-plated brass

C BSPP	Part Number	E mm	G mm	H mm	J mm	kg
G1/8	0908 00 10	8	13	21	10	.055
G1/4	0908 00 13	11	17	25.5	13	.081
G3/8	0908 00 17	11.5	21	28	17	.128
G1/2	0908 00 21	14	26	33.5	21	.213

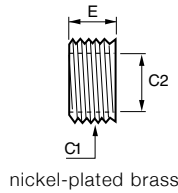
0909**cross** female BSPP to male BSPT

nickel-plated brass

C1 BSPP	C2 BSPT	Part Number	E mm	G mm	H mm	J mm	kg
G1/8	R1/8	0909 00 10	8	13	18.5	10	.055
G1/4	R1/4	0909 00 13	11	17	23.5	13	.081
G3/8	R3/8	0909 00 17	11.5	21	26	17	.128
G1/2	R1/2	0909 00 21	14	26	31	21	.213



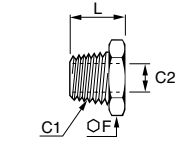
WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



nickel-plated brass

0903 adapter reducer BSPP

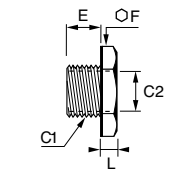
C1 BSPP	C2 BSPP	Part Number	E mm	kg
G1/4	G1/8	0903 10 13	8	.009
G3/8	G1/4	0903 13 17	9	.020
G1/2	G3/8	0903 17 21	10	.025
G3/4	G1/2	0903 21 27	14	.048
G1	G3/4	0903 27 34	20	.060



nickel-plated brass

0904 adapter reducer female BSPP to male BSPT

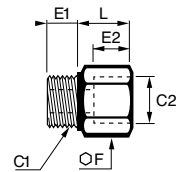
C1 BSPT	C2 BSPP	Part Number	F mm	L mm	kg
R1/4	G1/8	0904 10 13	14	16	.009
R3/8	G1/8	0904 10 17	17	16.5	.020
R3/8	G1/4	0904 13 17	17	16.5	.012
R1/2	G1/4	0904 13 21	22	19.5	.038
R1/2	G3/8	0904 17 21	22	19.5	.025
R3/4	G3/8	0904 17 27	27	23.5	.069
R3/4	G1/2	0904 21 27	27	23.5	.048



nickel-plated brass

0905 adapter reducer male BSPP to female BSPP or M5

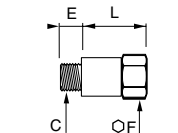
C1 BSPP	C2 BSPP/M5	Part Number	E mm	F mm	L mm	kg
G1/8	M5	0905 19 10	6	14	4.5	.009
G1/4	G1/8	0905 10 13	8	17	5	.009
G3/8	G1/8	0905 10 17	9	19	5	.020
G3/8	G1/4	0905 13 17	9	19	5.5	.012
G1/2	G1/4	0905 13 21	10	24	5.5	.038
G1/2	G3/8	0905 17 21	10	24	5.5	.025
G3/4	G3/8	0905 17 27	12	30	5.5	.069
G3/4	G1/2	0905 21 27	12	30	5.5	.048



nickel-plated brass

0906 expander female BSPP to male BSPP

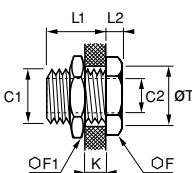
C1 BSPP/M5	C2 BSPP/M5	Part Number	E1 mm	E2 mm	F mm	L mm	kg
M5	M5	0906 10 19	4	8	14	10	.009
G1/8	G1/8	0906 00 10	6	8.5	14	10	.009
G1/8	G1/4	0906 10 13	6	11.5	17	14	.020
G1/8	G3/8	0906 10 17	6	11.5	22	14.5	.038
G1/4	G1/4	0906 00 13	8	11.5	17	14	.040
G1/4	G3/8	0906 13 17	8	11.5	22	14.5	.042
G1/4	G1/2	0906 13 21	8	15	27	18	.061
G3/8	G3/8	0906 00 17	9	11.5	22	14.5	.061
G3/8	G1/2	0906 17 21	9	15	27	18	.062
G1/2	G1/2	0906 00 21	10	15	27	18	.070



nickel-plated brass

0907 extended adapter BSPP

C BSPP	Part Number	E mm	F mm	L mm	kg
G1/8	0907 00 10	6	14	16	.009
G1/8	0907 00 10 01	6	14	36	.009
G1/4	0907 00 13	8	17	23	.020
G1/4	0907 00 13 01	8	17	43	.020



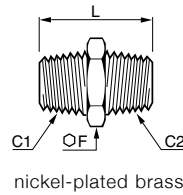
nickel-plated brass

0920 bulkhead BSPP and M5

C1 BSPP/M5	C2 Metric	Part Number	F mm	F1 mm	K max mm	L1 mm	L2 mm	T min mm	kg
M5	M10x1	0920 00 19	14	14	7	10.5	3.5	10.5	.013
G1/8	M16x1.5	0920 00 10	19	22	9	14	4	16.5	.033
G1/4	M20x1.5	0920 00 13	24	27	15	21	4	20.5	.057
G3/8	M26x1.5	0920 00 17	30	32	14	21	5	26.5	.096
G1/2	M28x1.5	0920 00 21	32	36	20	27	6	28.5	.117

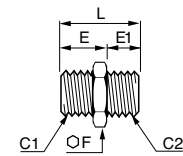


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0900 | male straight adapter BSPT

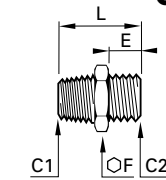
nickel-plated brass

C1 BSPT	C2 BSPT	Part Number	F mm	L mm	kg
R1/8	R1/8	0900 00 10	12	19.5	.009
R1/8	R1/4	0900 10 13	14	23.5	.021
R1/4	R1/4	0900 00 13	14	27	.021
R1/8	R3/8	0900 10 17	17	24	.022
R1/4	R3/8	0900 13 17	17	27.5	.024
R3/8	R3/8	0900 00 17	17	28	.025
R1/4	R1/2	0900 13 21	22	30.5	.045
R3/8	R1/2	0900 17 21	22	31	.045
R1/2	R1/2	0900 00 21	22	33.5	.055
R1/2	R3/4	0900 21 27	27	37.5	.084
R3/4	R3/4	0900 00 27	27	40	.092
R3/4	R1	0900 27 34	34	43	.143
R1	R1	0900 00 34	34	45.5	.156

0901 | male straight adapter BSPP or M5

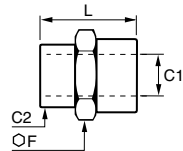
nickel-plated brass

C1 BSPP/M5	C2 BSPP/M5	Part Number	E mm	E1 mm	F mm	L mm	kg
M5	M5	0901 00 19	4	4	8	11.5	.002
M5	G1/8	0901 19 10	4	6	14	14.5	.008
G1/8	G1/8	0901 00 10	6	6	14	16.5	.008
G1/8	G1/4	0901 10 13	6	8	17	19	.014
G1/4	G1/4	0901 00 13	8	8	17	21	.016
G1/4	G3/8	0901 13 17	8	9	19	22	.021
G3/8	G3/8	0901 00 17	9	9	19	23	.024
G3/8	G1/2	0901 17 21					
G1/2	G1/2	0901 00 21					

0192 | male straight adapter BSPT or BSPP

nickel-plated brass

C1 BSPT	C2 BSPP	Part Number	E mm	F mm	L mm	kg
R1/8	G1/4	0192 10 13	9.5	17	23.5	.019
R1/4	G1/4	0192 13 13	9.5	17	27.5	.024
R1/4	G1/2	0192 13 21	27	27	31.5	.067
R3/8	G1/4	0192 17 13	9.5	17	45	.025
R3/8	G1/2	0192 17 21	27	27	31.5	.061
R1/2	G1/2	0192 21 21	27	27	34	.060

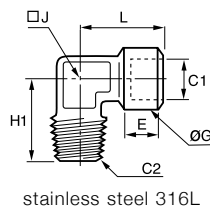
0902 | female sleeve BSPP and M5

nickel-plated brass

C1 BSPP/M5	C2 BSPP/M5	Part Number	F mm	L mm	kg
M5	M5	0902 00 19	8	11	.009
M5	G1/8	0902 19 10	14	13	.009
G1/8	G1/8	0902 00 10	14	15	.015
G1/8	G1/4	0902 10 13	17	19.5	.020
G1/4	G1/4	0902 00 13	17	22	.025
G1/8	G3/8	0902 10 17	22	20	.030
G1/4	G3/8	0902 13 17	22	23	.040
G3/8	G3/8	0902 00 17	22	24	.045
G1/4	G1/2	0902 13 21	27	27	.050
G3/8	G1/2	0902 17 21	27	27.5	.060
G1/2	G1/2	0902 00 21	27	30	.084
G1/2	G3/4	0902 21 27	30	30	.090
G3/4	G3/4	0902 00 27	30	32	.109



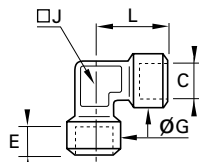
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stainless steel 316L

1844 | **equal male stud elbow** male BSPT to female BSPP

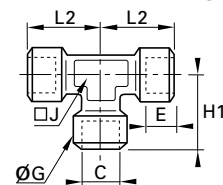
C1 BSPT	C2 BSPP	Part Number	E mm	G mm	H1 mm	J mm	L mm	kg
R1/8	G1/8	1844 10 10	7.5	15	20.5	10	22.5	.025
R1/4	G1/4	1844 13 13	12	18.5	27.5	12	26.5	.046
R3/8	G3/8	1844 17 17	12	23.5	28	14	30	.070
R1/2	G1/2	1844 21 21	15	28	38	18	38	.125
R3/4	G3/4	1844 27 27	16.5	33	41	22	44.5	.175
R1	G1	1844 34 34	19	40	48	32	50	.335



stainless steel 316L

1843 | **equal elbow** female BSPP

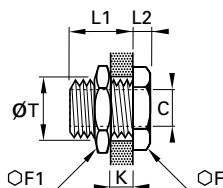
C BSPP	Part Number	E mm	G mm	J mm	L mm	kg
G1/8	1843 10 10	7.5	15	12	22.5	.044
G1/4	1843 13 13	11	18.5	15	26.5	.051
G3/8	1843 17 17	11.5	23.5	18	29	.077
G1/2	1843 21 21	15	28	23	38	.160
G3/4	1843 27 27	16.5	33	22	43.5	.232
G1	1843 34 34	19	40	32	52	.477



stainless steel 316L

1845 | **equal tee** female BSPP

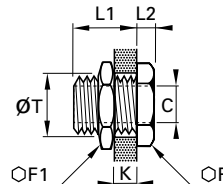
C BSPP	Part Number	E mm	G mm	H1 mm	J mm	L2 mm	kg
G1/8	1845 10 10	7.5	15	22.5	12	22.5	.061
G1/4	1845 13 13	11	18.5	26.5	15	26.5	.074
G3/8	1845 17 17	11.5	23.5	29	18	29	.147
G1/2	1845 21 21	15	28	38	23	38	.224
G3/4	1845 27 27	16.5	33	43.5	22	43.5	.325
G1	1845 34 34	19	40	50	32	50	.489



stainless steel 316L

1871 | **bulkhead adapter** NPT

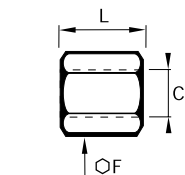
C NPT	Part Number	F mm	F1 mm	K max in	L1 in	L2 in	T min in	oz
1/8	1871 00 11	19	22	.35	.55	.20	.65	1.33
1/4	1871 00 14	24	27	.67	.91	.20	.81	2.50
3/8	1871 00 18	30	32	.71	.91	.20	1.04	3.92
1/2	1871 00 22	32	36	.87	1.14	.24	1.12	4.98



stainless steel 316L

1817 | **bulkhead adapter** BSPP

C BSPP	Part Number	F mm	F1 mm	K max in	L1 in	L2 in	T min in	kg
G1/8	1817 00 10	19	22	9	14	4	16.5	.033
G1/4	1817 00 13	24	21	15	21	4	20.5	.057
G3/8	1817 00 17	30	32	14	21	5	26.5	.096
G1/2	1817 00 21	32	36	20	27	6	28.5	.117
G3/4	1817 00 27	41	41	22.5	30	6	34.5	.185
G1	1817 00 34	46	50	24.5	34	8	42.5	.306



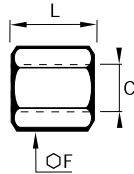
stainless steel 316L

1855 | **double female sleeve** BSPP

C BSPP	Part Number	F mm	L mm	kg
G1/8	1855 10 10	14	17	.033
G1/4	1855 13 13	17	24	.023
G3/8	1855 17 17	22	25	.042
G1/2	1855 21 21	27	32	.077
G3/4	1855 27 27	32	35	.116
G1	1855 34 34	41	40	.227



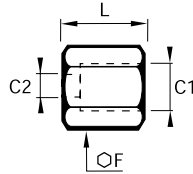
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stainless steel 316L

1870 | **double female sleeve** NPT

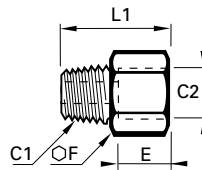
C NPT	Part Number	F in	L in	oz
1/8	1870 11 11	.55	.74	.564
1/4	1870 14 14	.67	1.10	1.164
3/8	1870 18 18	.87	1.10	1.940
1/2	1870 22 22	1.06	1.38	3.668



stainless steel 316L

1862 | **reducer/expander** double female sleeve, BSPP

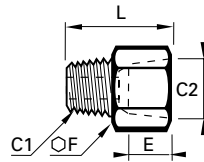
C1 BSPP	C2 BSPP	Part Number	F mm	L mm	kg
G1/4	G1/8	1862 13 10	17	20.5	.023
G3/8	G1/8	1862 17 10	22	21	.042
G3/8	G1/4	1862 17 13	22	24.5	.048
G1/2	G1/4	1862 21 13	27	28.5	.084
G1/2	G3/8	1862 21 17	27	29	.080
G3/4	G1/2	1862 27 21	32	39.5	.160
G1	G3/4	1862 34 27	41	45	.302



stainless steel 316L

1864 | **adapter** male NPT to female BSPP

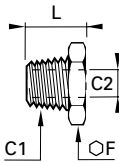
C1 NPT	C2 BSPP	Part Number	E mm	F mm	L mm	kg
1/8	G1/8	1864 11 10	7.5	14	21.5	.014
1/4	G1/4	1864 14 13	11	17	30	.027
3/8	G3/8	1864 18 17	11.5	22	31	.043
1/2	G1/2	1864 22 21	15	27	39.5	.079



stainless steel 316L

1867 | **adapter** male BSPT to female NPT

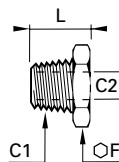
C1 BSPT	C2 NPT	Part Number	E mm	F mm	L mm	kg
R1/8	1/8	1867 10 11	8	14	21	.014
R1/4	1/4	1867 13 14	11.5	17	28.5	.027
R3/8	3/8	1867 18 18	12	22	29.5	.044
R1/2	1/2	1867 21 22	15.5	27	37.5	.080



stainless steel 316L

1872 | **reducer** male/female NPT

C1 NPT	C2 NPT	Part Number	F mm	L mm	oz
1/4	1/8	1872 14 11	14	.63	.42
3/8	1/8	1872 18 11	19	.65	.92
3/8	1/4	1872 18 14	19	.65	.71
1/2	1/4	1872 22 14	22	.83	1.59
1/2	3/8	1872 22 18	22	.83	1.24



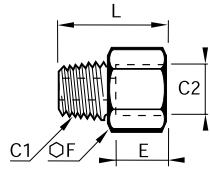
stainless steel 316L

1863 | **reducer** male BSPT to female BSPP

C1 BSPT	C2 BSPP	Part Number	F mm	L mm	kg
R1/4	G1/8	1863 13 10	14	16	.008
R3/8	G1/8	1863 17 10	17	16.5	.018
R3/8	G1/4	1863 17 13	17	16.5	.011
R1/2	G1/4	1863 21 13	22	21	.035
R1/2	G3/8	1863 21 17	22	21	.022
R3/4	G1/2	1863 27 21	27	25.5	.058
R1	G3/4	1863 34 27	36	28.5	.104



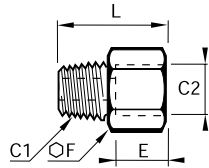
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stainless steel 316L

1873 expander male/female NPT

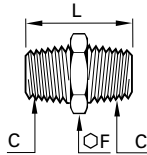
C1 NPT	C2 NPT	Part Number	E in	F mm	L in	oz
1/8	1/4	1873 11 14	.55	14	.98	.092
1/8	3/8	1873 11 18	.55	22	.98	1.48
1/4	3/8	1873 14 18	.55	22	1.10	1.66
1/4	1/2	1873 14 22	.69	27	1.22	2.50
3/8	1/2	1873 18 22	.69	27	1.24	2.54



stainless steel 316L

1861 expander male BSPT to female BSPP

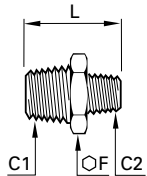
C1 BSPT	C2 BSPP	Part Number	E mm	F mm	L mm	kg
R1/8	G1/4	1861 10 13	11	17	24	.021
R1/8	G3/8	1861 10 17	11.5	22	25	.037
R1/4	G3/8	1861 13 17	11.5	22	28.5	.041
R1/4	G1/2	1861 13 21	15	27	32.5	.069
R3/8	G3/4	1861 17 21	15	27	33	.070
R1/2	G3/4	1861 21 27	16.5	32	38	.104
R3/4	G1	1861 27 34	19	41	43.5	.200



stainless steel 316L

1821 adapter male NPT

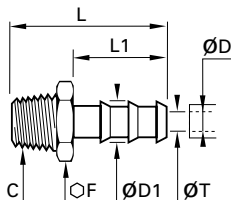
C NPT	Part Number	F mm	L mm	oz
1/8	1821 11 11	12	.90	.388
1/4	1821 14 14	14	1.26	.811
3/8	1821 18 28	19	1.30	1.093
1/2	1821 22 22	22	1.65	1.975
3/4	1821 28 28	27	1.57	3.386
1	1821 35 35	36	1.81	5.679



stainless steel 316L

1821 adapter male BSPT

C1 BSPT	C2 BSPT	Part Number	F mm	L mm	kg
R1/8	R1/8	1821 10 10	12	19	.008
R1/4	R1/4	1821 13 13	14	27	.019
R1/4	R1/8	1821 13 10	14	23.5	.015
R3/8	R3/8	1821 17 17	17	28	.025
R3/8	R1/4	1821 17 13	17	27.5	.024
R1/2	R1/2	1821 21 21	22	36	.048
R1/2	R3/8	1821 21 17	22	32.5	.041
R3/4	R3/4	1821 27 27	27	42	.099
R3/4	R1/2	1821 27 21	27	41	.088
R1	R1	1821 34 34	36	46	.168
R1	R3/4	1821 34 27	22	48	.158



stainless steel 316L

1823 tailpiece adapter for rubber hose male NPT

ØD in	C NPT	Part Number	ØD1 in	F mm	L in	L1 in	T min mm	oz
1/4	1/8	1823 56 11	.33	10	1.34	.88	.21	.388
1/4	1/4	1823 56 14	.33	14	1.51	.88	.21	.635
3/8	1/4	1823 60 14	.46	14	1.51	.88	.33	.705
3/8	3/8	1823 60 18	.46	19	1.53	.88	.33	1.022



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Dubl-Barb® Fittings



Parker's Dubl-Barb Fittings are an economical one piece, push-on brass barbed fitting that does not require any type of clamp. These fittings are a quick way to connect polyethylene tubing.

Product Features:

- Compact
- One piece
- No clamp required
- Good vibration resistance

Markets:

- Pneumatic
- Environmental Control

Applications:

- Pneumatic Systems
- Climate Control
- Humidifiers
- Filters

Specifications:

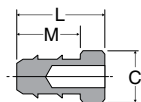
Pressure Range Up to 150 psi (10.3 bar)

Temperature Range -65° to +90° F (-53.8° to 32.2° C)

Compatible Tubing:

- Polyethylene

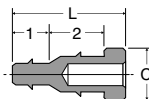




brass

20 | **plug**

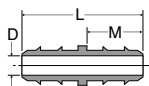
Tube OD	Tube ID	Part Number	C in	L in	M in
1/4	.170	20-4	.32	.56	.41
3/8	.250	20-6	.390	.68	.44
1/2	.377	20-8	.577	.81	.56



brass

20 | **plug adapter**

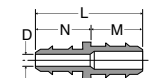
Tube OD1	Tube ID1	Tube OD2	Tube ID2	Part Number	C in	L in
5/32	.096	1/4	.170	20-4-5/32	.32	.56



brass

22 | **union**

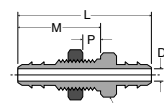
Tube OD	Tube ID	Part Number	L in	M in	Flow Dia. D
5/32x5/32	.096x.096	22-5/32	.59	.28	.062
1/4x1/4	.170x.170	22-4	.84	.41	.120
3/8x3/8	.250x.250	22-6	.94	.44	.187
1/2x1/2	.375x.375	22-8	1.19	.56	.312



brass

22 | **union reducer**

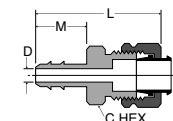
Tube OD	Tube ID	Part Number	L in	M in	N in	Flow Dia. D
1/4x5/32	.170x.096	22-4-5/32	.72	.41	.28	.062
1/4x3/8	.170x.250	22-4-6	.88	.44	.41	.120
1/4x1/2	.170x.375	22-6-8	1.06	.56	.41	.120
3/8x1/2	.250x.375	22-6-8	1.06	.56	.44	.187



brass

22BH | **bulkhead union**

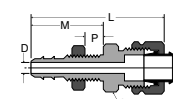
Tube OD	Tube ID	St Thread	Part Number	C in	P max in	L in	M in	Flow Dia. D	Blkhd Hole Dia.
1/4	.170	5/16-24	22BH-4-4	7/16	.219	1.38	.78	.120	5/16
3/8	.250	3/8-24	22BH-6-6	7/16	.375	1.63	1.00	.187	3/8



brass

22CA | **union tube to compress-align**

Tube OD	Tube ID	St Thread	Part Number	C in	L in	M in	Flow Dia. D
1/4	.170	14	22CA-4-4	7/16	1.15	.41	.120



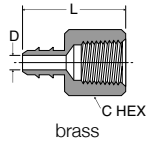
brass

22CABH | **bulkhead union tube to compress-align**

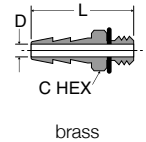
Tube OD	Tube ID	Tube CA	St Thread	Part Number	C in	P max in	L in	M in	Flow Dia. D	Blkhd Hole Dia.
1/4	.170	1/4	5/16-24	22CABH-4-4	7/16	.219	1.53	.78	.120	5/16
3/8	.250	3/8	3/8-24	22CABH-6-6	9/16	.375	1.87	1.00	.187	3/8



WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

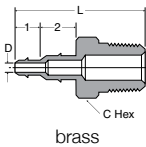
**26 female connector**

Tube OD	Tube ID	Part Number	Pipe Thread	C in	L in	Flow Dia. D
5/32	.096	26-5/32-2	1/8	1/2	.79	.062
1/4	.170	26-4-2	1/8	1/2	.91	.120
3/8	.250	26-6-2	1/8	1/2	.93	.187
3/8	.250	26-6-4	1/4	11/16	1.06	.187

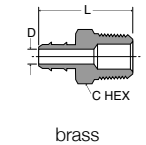
**27 male connector**

Tube OD	Tube ID	Part Number	Straight Thread	C in	L in	Flow Dia. D
1/8	.062	27-1*	10-32	1/4	.61	.052
1/4	.125	27-2*	10-32	1/4	.74	.093

*For vinyl tubing only.

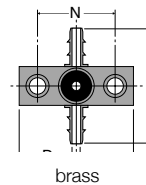
**28 barb-to-pipe adapter**

Tube OD1	Tube ID1	Tube OD2	Tube ID2	Part Number	Pipe Thread	C in	L in	Flow Dia. D
1/4	.170	1/4	5/16-24	28-4-5/32-2	1/8	7/16	1.07	.062

**28 male connector**

Tube OD	Tube ID	Part Number	Pipe Thread	C in	L in	Flow Dia. D
5/32	.096	28-5/32-2	1/8	7/16	.84	.062
1/4	.170	28-4-1	1/16	3/8	.93	.120
1/4	.170	28-4-2	1/8	7/16	.97	.120
1/4	.170	28-4-4	1/4	9/16	1.09	.120
1/4	.170	28-4-10x32*	10-32	1/4	.71	.093
3/8	.250	28-6-2	1/8	7/16	1.00	.187
3/8	.250	28-6-4	1/4	9/16	1.13	.187
1/2	.375	28-8-4	1/4	9/16	1.25	.312
1/2	.375	28-8-6	3/8	11/16	1.28	.312
1/2	.375	28-8-8	1/2	7/8	1.44	.312

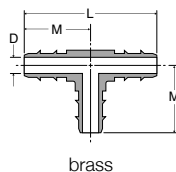
*Straight thread

**220 adapter tee**

Tube OD	Tube ID	Part Number	Pipe Thread	L in	N in	Flow Dia. D
1/4	.170	220-4-2	1/8	1.50	1.00	.120



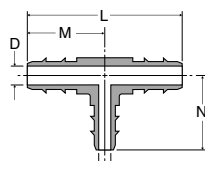
WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



brass

224 union tee

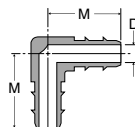
Tube OD	Tube ID	Part Number	L in	M in	Flow Dia. D
5/32	.096	224-5/32	1.00	.50	.062
1/4	.170	224-4	1.25	.63	.120
3/8	.250	224-6	1.38	.69	.187
1/2	.375	224-8	1.63	.81	.312



brass

224 union tee combination sizes

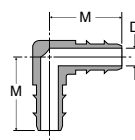
Tube OD	Tube ID	Part Number	L in	M in	N in	Flow Dia. D
1/4x5/32	.170x.096	224-4-4-5/32	1.25	.63	.50	.120
3/8x5/32	.250x.096	224-6-6-5/32	1.38	.69	.50	.187
3/8x1/4	.250x.170	224-6-6-4	1.38	.69	.62	.187
1/2x1/4	.375x.170	224-8-8-4	1.62	.81	.65	.312
1/2x3/8	.375x.250	224-8-8-6	1.62	.81	.69	.312



brass

225 union elbow

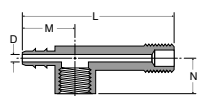
Tube OD	Tube ID	Part Number	M in	Flow Dia. D
5/32	.096	225-5/32	.50	.062
1/4	.170	225-4-4	.63	.120
3/8	.250	225-6-6	.69	.187
1/2	.375	225-8-8	.81	.312



brass

225 union elbow combination size

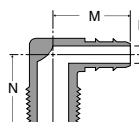
Tube OD1	Tube OD2	Tube ID1	Tube ID2	Part Number	M1 in	M2 in	Flow Dia. D	Blkhd Hole Dia.
1/4	5/32	.170	.096	225-4-5/32	.63	.50	.120	.062



brass

228 gauge tee

Tube OD	Tube ID	Part Number	Pipe Thread	L in	M in	N in	Flow Dia. D
1/4	.170	228-4-2	1/8	1.91	.66	.44	.120



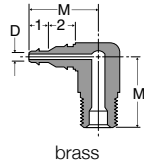
brass

229 male elbow

Tube OD	Tube ID	Part Number	Pipe Thread	M in	N in	Flow Dia. D
5/32	.096	229-5/32-2	1/8	.56	.63	.062
1/4	.170	229-4-1	1/16	.62	.60	.120
1/4	.170	229-4-2	1/8	.69	.63	.120
1/4	.170	229-4-4	1/4	.72	.72	.120
3/8	.250	229-6-2	1/8	.69	.69	.187
3/8	.250	229-6-4	1/4	.75	.75	.187
1/2	.375	229-8-4	1/4	.94	.74	.312
1/2	.375	229-8-6	3/8	.94	.81	.312



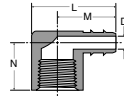
WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



brass

229 90° elbow barb adapter

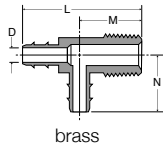
Tube OD1	Tube ID1	Tube OD2	Tube ID2	Part Number	Pipe Thread	M in	Flow Dia. D
5/32	.096	1/4	.170	229-4-5/32-2	1/8	.78	.062



brass

230 female elbow

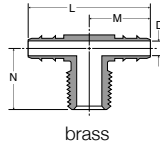
Tube OD	Tube ID	Part Number	L in	M in	N in	Flow Dia. D
1/4	.170	230-4-2	.91	.66	.44	.120
3/8	.250	230-6-4	1.12	.78	.63	.187



brass

231 male run tee

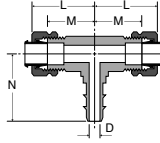
Tube OD	Tube ID	Part Number	Pipe Thread	L in	M in	N in	Flow Dia. D
1/4	.170	231-4-2	1/8	1.28	.66	.69	.120
3/8	.250	231-6-2	1/8	1.38	.69	.69	.187
3/8	.250	231-6-4	1/4	1.44	.75	.75	.187



brass

232 male branch tee

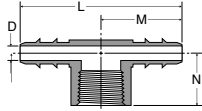
Tube OD	Tube ID	Part Number	Pipe Thread	L in	M in	N in	Flow Dia. D
1/4	.170	232-4-1	1/16	1.33	.66	.65	.120
1/4	.170	232-4-2	1/8	1.38	.69	.66	.120
3/8	.250	231-6-2	1/8	1.38	.69	.69	.187
3/8	.250	231-6-4	1/4	1.50	.75	.75	.187



brass

233 male branch tee

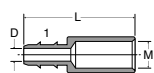
Tube OD	Tube ID	Part Number	Pipe Thread	L in	M in	N in	Flow Dia. D
1/4	.170	233-4-4-4	1/4	.73	.53	.74	.120
1/4	.170	233-6-6-4	3/8	.87	.59	.80	.120



brass

237 female branch tee

Tube OD	Tube ID	Part Number	Pipe Thread	L in	M in	N in	Flow Dia. D
5/32	.096	237-5/32-2	1/8	1.06	.53	.44	.062
1/4	.170	237-4-2	1/8	1.34	.67	.49	.120



brass

238 solder connector

Tube OD1	Tube ID1	Part Number	L in	M in	Flow Dia. D
1/4	.170	238-4-4	.91	.25	.120



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Hose Barb Fittings

Parker's Hose Barb Fittings are an economical choice for general purpose fluid handling and pneumatics. Manufactured in both regular hose barb and beaded hose barb styles. Fittings are intended for use with 97HC hose clamps, similar type clamp or a crimped ferrule.

Product Features:

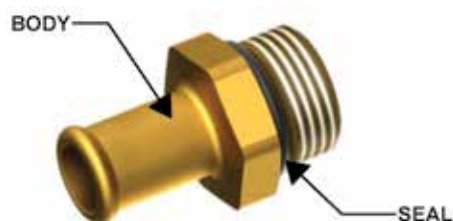
- All brass construction
- Fluorocarbon O-rings
- NPTF, SAE straight thread, metric thread ends
- Reusable
- Clamp required

Markets:

- Industrial
- Construction
- Heavy Duty Truck
- Mobile

Applications:

- Air Lines
- Water Lines
- Cooling Lines



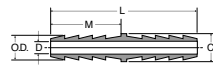
Specifications:

Pressure Range Up to 150 psi (10.3 bar)

Temperature Range -40° to +160° F (-40° to +71.1° C)

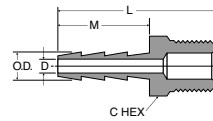
Compatible Tubing:

- Rubber Hose
- GPH Hose

122HBL | hose mender

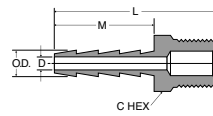
brass

Hose ID	C Dia.	Part Number	L in	M in	OD in	Flow Dia. D
3/16	5/16	122HB-3	1.44	.69	.227	.125
1/4	3/8	122HB-4	2.00	.97	.290	.187
5/16	7/16	122HB-5	2.00	.97	.353	.250
3/8	1/2	122HB-6	2.00	.97	.415	.281
1/2	5/8	122HB-8	2.00	.97	.530	.375
3/4	7/8	122HB-12	2.00	.97	.790	.562

125HB | hose barb to male pipe

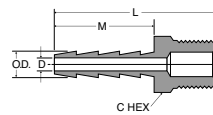
brass

Hose ID	Part Number	Pipe Thread	C in	L in	M in	OD in	Flow Dia. D
1/8	125HB-2-2	1/8	7/16	1.07	.50	.185	.093
3/16	125HB-3-2	1/8	7/16	1.25	.69	.227	.125
3/16	125HB-3-4	1/4	9/16	1.44	.69	.227	.125

125HBL | hose barb to male pipe

brass

Hose ID	Part Number	Pipe Thread	C in	L in	M in	OD in	Flow Dia. D
1/4	125HBL-4-2	1/8	7/16	1.54	.97	.290	.187
1/4	125HBL-4-4	1/4	9/16	1.72	.97	.290	.187
1/4	125HBL-4-6	3/8	11/16	1.77	.97	.290	.187
5/16	125HBL-5-2	1/8	7/16	1.54	.97	.353	.250
5/16	125HBL-5-4	1/4	9/16	1.72	.97	.353	.250
5/16	125HBL-5-6	3/8	11/16	1.77	.97	.353	.250
3/8	125HBL-6-2	1/8	7/16	1.54	.97	.415	.281
3/8	125HBL-6-4	1/4	9/16	1.72	.97	.415	.281
3/8	125HBL-6-6	3/8	11/16	1.77	.97	.415	.281
3/8	125HBL-6-8	1/2	7/8	1.97	.97	.415	.281
1/2	125HBL-8-4	1/4	9/16	1.72	.97	.530	.375
1/2	125HBL-8-6	3/8	11/16	1.77	.97	.530	.375
1/2	125HBL-8-8	1/2	7/8	1.97	.97	.530	.375
1/2	125HBL-8-12	3/4	1-1/16	1.98	.97	.530	.375
5/8	125HBL-10-6	3/8	11/16	1.77	.97	.645	.468
5/8	125HBL-10-8	1/2	7/8	1.97	.97	.645	.468
5/8	125HBL-10-12	3/4	1-1/16	1.98	.97	.645	.468
3/4	125HBL-12-8	1/2	7/8	1.97	.97	.790	.562
3/4	125HBL-12-12	3/4	1-1/16	1.98	.97	.790	.562
1	125HBL-16-12	3/4	1-1/16	2.18	1.17	1.020	.750
1	125HBL-16-16	1	1-3/8	2.36	1.17	1.020	.875

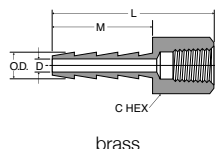
125HBLSV | male swivel hose barb

brass

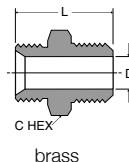
Hose ID	Part Number	Pipe Thread	C in	L in	M in	OD in	Flow Dia. D
1/4	125HBLSV-4-4	1/4	11/16	2.14	.97	.290	.187
3/8	125HBLSV-6-4	1/4	11/16	2.14	.97	.415	.250
3/8	125HBLSV-6-6	3/8	11/16	2.14	.97	.415	.250
1/2	125HBLSV-8-8	1/2	7/8	2.48	.97	.530	.375



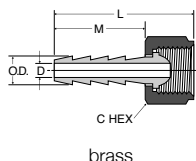
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**126HBL** | hose barb to female pipe

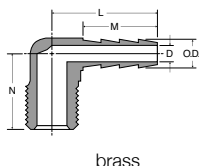
Hose ID	Part Number	Pipe Thread	C in	L in	M in	OD in	Flow Dia. D
1/4	126HBL-4-2	1/8	1/2	1.47	.97	.290	.187
1/4	126HBL-4-4	1/4	11/16	1.66	.97	.290	.187
5/16	126HBL-5-4	1/4	11/16	1.58	.97	.353	.250
3/8	126HBL-6-2	1/8	1/2	1.47	.97	.415	.281
3/8	126HBL-6-4	1/4	11/16	1.66	.97	.415	.281
3/8	126HBL-6-6	3/8	13/16	1.69	.97	.415	.281
1/2	126HBL-8-6	3/8	13/16	1.69	.97	.530	.375
1/2	126HBL-8-8	1/2	1	1.73	.97	.530	.375
3/4	126HBL-12-12	3/4	1-1/4	1.92	.97	.790	.562

**127HB** | ball-end joint adapter to male pipe for use with 128HBLSV

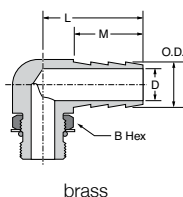
NPSM Thread	NPT Thread	Part Number	C in	L in	Flow Dia. D
1/4	1/8	127HB-4-2	9/16	.91	.219
1/4	1/4	127HB-4-4	9/16	1.10	.281
3/8	1/4	127HB-6-4	11/16	1.10	.312
3/8	3/8	127HB-6-6	11/16	1.15	.406
1/2	3/8	127HB-8-6	7/8	1.25	.406
1/2	1/2	127HB-8-8	7/8	1.50	.531

**128HBLSV** | hose barb to swivel female ball-end

Hose ID	NPSM Thread	Part Number	C in	L in	M in	OD in	Flow Dia. D
1/4	1/4	128HBLSV-4-4	5/8	1.50	.97	.290	.187
5/16	1/4	128HBLSV-5-4	5/8	1.50	.97	.353	.250
3/8	1/4	128HBLSV-6-4	5/8	1.63	.97	.415	.250
3/8	3/8	128HBLSV-6-6	3/4	1.50	.97	.415	.281
1/2	1/2	128HBLSV-8-8	29/32	1.52	.97	.530	.375

**129HB** | hose barb 90° elbow to male pipe

Hose ID	Part Number	Pipe Thread	L in	M in	N in	OD in	Flow Dia. D
3/16	129HB-4-2	1/8	.97	.69	.66	.227	.173
1/4	129HB-4-2	1/8	1.04	.76	.66	.290	.187
1/4	129HB-4-4	1/4	1.06	.76	.82	.290	.187
1/4	129HB-4-6	3/8	1.19	.76	.84	.290	.187
5/16	129HB-5-2	1/8	1.06	.76	.66	.353	.234
5/16	129HB-5-4	1/4	1.12	.76	.84	.353	.234
5/16	129HB-5-6	3/8	1.19	.76	.84	.353	.234
3/8	129HB-6-2	1/8	1.32	.97	.75	.415	.219
3/8	129HB-6-4	1/4	1.32	.97	.94	.415	.281
3/8	129HB-6-6	3/8	1.50	.97	1.06	.415	.281
3/8	129HB-6-8	1/2	1.52	.97	1.25	.415	.281
1/2	129HB-8-4	1/4	1.53	.97	1.06	.530	.375
1/2	129HB-8-6	3/8	1.53	.97	1.06	.530	.375
1/2	129HB-8-8	1/2	1.53	.97	1.25	.530	.375
3/4	129HB-12-12	3/4	1.33	.79	1.27	.790	.562

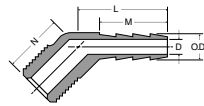
**1295HB** | hose barb elbow to SAE straight thread

Hose ID	Part Number	Straight Thread	B in	L in	M in	OD in	Flow Dia. D
3/8	1295HB-6-6	9/16-18	11/16	1.10	1.11	.410	.270

Note: Fluorocarbon o-ring is standard



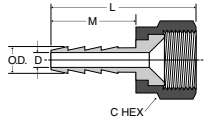
WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



brass

139HB | hose barb 45° elbow to male pipe

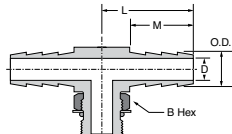
Hose ID	Part Number	Pipe Thread	L in	M in	N in	OD in	Flow Dia. D
1/4	139HB-4-2	1/8	.91	.76	.68	.290	.187
1/4	139HB-4-4	1/4	1.00	.76	.68	.290	.187
3/8	139HB-6-4	1/4	1.00	.76	.68	.415	.281



brass

146HBLFSV | hose barb to swivel 45° female flare

Hose ID	Part Number	Straight Thread	C in	L in	M in	OD in	Flow Dia. D
1/4	146HBLFSV-4-4	7/16-20	9/16	1.55	.97	.290	.187
1/4	146HBLFSV-4-6	5/8-18	3/4	1.72	.97	.290	.187
3/8	146HBLFSV-6-6	5/8-18	3/4	1.72	.97	.415	.281

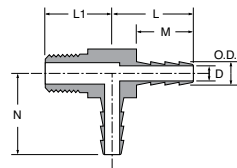


brass

1725HB | hose barb tee to SAE straight thread

Hose ID	Part Number	Straight Thread	C in	L in	M in	OD in	Flow Dia. D
3/8	1725HB-6-6	9/16-18	11/16	1.10	.76	.420	.280

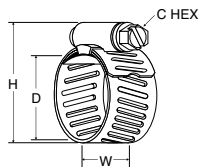
Note: Fluorocarbon o-ring is standard



brass

171HB | hose barb tee to male pipe

Hose ID	Part Number	Pipe Thread	L in	L1 in	M in	N in	OD in	Flow Dia. D
1/4	171HB-4-4	1/4	1.10	.85	.76	1.10	.290	.187



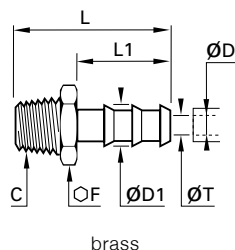
stainless steel

97HC | worm drive clamp

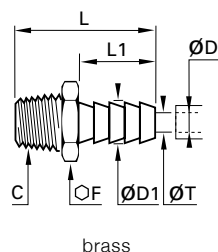
Part Number	D max in	D min in	C in	H max in	W in
97HC-3	.62	.25	.25	1.00	.31
97HC-6	.87	.38	.31	1.40	.50
97HC-8	1.00	.44	.31	1.53	.50
97HC-12	1.25	.50	.31	1.80	.50



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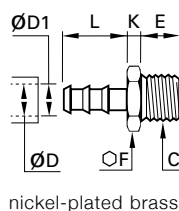
0123 | **barbed adapter for rubber hose BSPT**

ØD mm	C BSPT	Part Number	ØD1 mm	F mm	L mm	L1 mm	T min mm	kg
4	R1/8	0123 04 10	6	10	34	22.5	3.3	.008
6	R1/8	0123 06 10	8	10	34	22.5	5	.009
7	R1/8	0123 07 10	9	10	34	22.5	5	.009
7	R1/4	0123 07 13	9	14	38.5	22.5	6	.018
7	R3/8	0123 07 17	9	17	39	22.5	6	.023
10	R1/8	0123 10 10	12.2	13	34	22.5	5	.014
10	R1/4	0123 10 13	12.2	14	38.5	22.5	7	.021
10	R3/8	0123 10 17	12.2	17	39	22.5	9.5	.023
12	R3/8	0123 12 17	14	17	46	29.5	11	.026
13	R1/4	0123 13 13	15	17	45.5	29.5	7	.027
13	R3/8	0123 13 17	15	17	46	29.5	11	.027
13	R1/2	0123 13 21	15	22	50.5	29.5	12	.047
16	R3/8	0123 16 17	18.5	19	54.5	38	11	.040
16	R1/2	0123 16 21	18.5	22	59	38	14	.056
16	R3/4	0123 16 27	18.5	27	62	38	15	.082
19	R3/8	0123 19 17	21.5	22	54.5	38	11	.046
19	R1/2	0123 19 21	21.5	22	59	38	14	.058
19	R3/4	0123 19 27	21.5	27	62	38	18	.083
25	R3/4	0123 25 27	26.7	27	62	38	18	.083
25	R1	0123 25 34	27	36	65	38	24	.124
32	R1	0123 32 34	34.5	36	70	43	24	.144

0136 | **barbed adapter for nylon tube BSPT**

ØD mm	C BSPT	Part Number	ØD1 mm	F mm	L mm	L1 mm	T min mm	kg
4	R1/8	0136 04 10	4.3	10	26.5	15	2	.007
4	R1/4	0136 04 13	4.3	14	31	15	2	.015
4	R3/8	0136 04 17	4.3	17	31.5	15	2	.020
6	R1/8	0136 06 10	6.4	10	26.5	15	4	.007
6	R1/4	0136 06 13	6.4	14	31	15	4	.015
6	R3/8	0136 06 17	6.4	17	31.5	15	4	.020
8	R1/8	0136 08 10	8.4	10	26.5	15	4	.007
8	R1/4	0136 08 13	8.4	14	31	15	6	.016
8	R3/8	0136 08 17	8.4	17	31.5	15	6	.020
8	R1/2	0136 08 21	8.4	22	36	15	6	.039
10	R1/4	0136 10 13	10.7	14	36	20	7	.019
10	R3/8	0136 10 17	10.7	17	36.5	20	8	.023
10	R1/2	0136 10 21	10.7	22	41	20	8	.040
12	R1/4	0136 12 13	12.7	14	36	20	7	.019
12	R3/8	0136 12 17	12.7	17	36.5	20	10	.023
12	R1/2	0136 12 21	12.7	22	41	20	10	.042
12	R3/4	0136 12 27	12.7	27	44	20	10	.072
13	R3/8	0136 13 17	13.7	17	36.5	20	11	.023
13	R1/2	0136 13 21	13.7	22	41	20	11	.041
13	R3/4	0136 13 27	13.7	27	44	20	11	.071
14	R3/8	0136 14 17						
14	R1/2	0136 14 21						

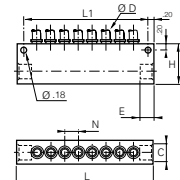
The two central digits in the product code part number represent the tube I.D. Ex: 0136 13 27.
This range of adapters is limited to the maximum size (16 O.D. x 13 I.D.) of Legris nylon tube.

0191 | **barbed adapter for rubber hose BSPP**

ØD mm	C BSPP	Part Number	ØD1 mm	E mm	F mm	K mm	L mm	kg
4	G1/4	0191 04 13	6	9.5	17	5	22.5	.019
7	G1/4	0191 07 13	9	9.5	17	5	22.5	.021
7	G1/2	0191 07 21	9	11	27	7	29.5	.065
10	G1/4	0191 10 13	12.2	9.5	17	5	22.5	.021
10	G1/2	0191 10 21	12.2	11	27	7	29.5	.060
13	G1/4	0191 13 13	15.2	9.5	17	5	22.5	.023
13	G1/2	0191 13 21	15.2	11	27	7	29.5	.058
16	G1/2	0191 16 21	18.5	11	27	7	36.5	.069

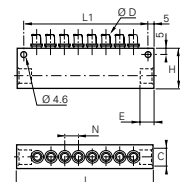


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3315 manifold w/ LF3000 push-to-connect ports NPT

anodized aluminum

ØD in	C NPT	Part Number	Number of outlets	E in	H in	L in	L1 in	N in	
1/8	1/4	3315 53 14	8	.55	1.30	4.49	4.09	.45	5.75
5/32	1/4	3315 04 14	8	.55	1.30	4.49	4.09	.45	5.75
1/4	1/4	3315 56 14	8	.55	1.30	4.92	4.53	.50	5.82
3/8	3/8	3315 60 18	6	—	1.57	5.73	5.33	.67	5.82

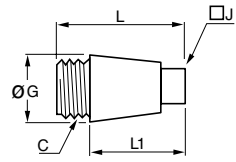
3310 manifold w/ LF3000 push-to-connect ports BSPP

anodized aluminum

ØD mm	C BSPP	Part Number	Number of outlets	E mm	H mm	L mm	L1 mm	N mm	
4	G1/4	3310 04 13	8	10	33	114	104	11.5	.163
6	G1/4	3310 06 13	8	10	33	114	104	12.5	.163
8	G3/8	3310 08 17	8	12	33	114	104	15	.163
10	G1/2	3310 10 21	6	16	48	145.5	135.5	17.1	.207
12	G1/2	3310 12 21	6	16	45	158	148	20.5	.225



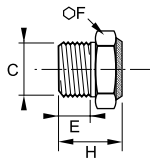
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0610/0670 | **threaded silencer** NPT or BSPP

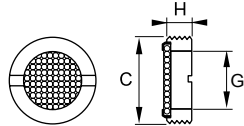
sintered bronze

C NPT	Part Number	J in	G in	L in	L1 in	oz
1/8	0610 00 11	.31	.45	.88	.71	.21
1/4	0610 00 14	.39	.59	1.10	.87	.46
3/8	0610 00 18	.51	.75	1.43	1.14	.85
1/2	0610 00 22	.59	.91	1.73	1.42	1.49

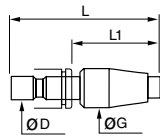
C BSPP	Part Number	J mm	G mm	L mm	L1 mm	kg
G1/8	0670 00 10	.8	.11	.22	.18	.006
G1/4	0670 00 13	.10	.15	.28	.22	.013
G3/8	0670 00 17	.13	.19	.36	.29	.024
G1/2	0670 00 21	.15	.23	.44	.36	.042
G3/4	0670 00 27	.19	.30	.56	.47	.075
G1	0670 00 34	.24	.37	.69	.58	.128

0673 | **compact threaded silencer** male UNF, M5 and BSPPbody nickel-plated brass
sintered bronze

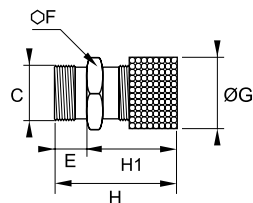
C UNF/M5/BSPP	Part Number	E mm	F mm	H mm	kg
10-32	0673 00 20	4	6	11	.006
M5x0.8	0673 00 19	8	8	8.5	.001
G1/8	0673 00 10	4	13	12	.006
G1/4	0673 00 13	6	16	16	.012
G3/8	0673 00 17	8	19	17	.022
G1/2	0673 00 21	9	24	18	.037

0677 | **silencer, miniature** BSPPbody nickel-plated brass
sintered bronze

C BSPP	Part Number	G mm	H mm	kg
G1/8	0677 00 10	5.5	4	.002
G1/4	0677 00 13	6	4.5	.003
G3/8	0677 00 17	9.5	5	.006
G1/2	0677 00 21	12.5	5.5	.012
G3/4	0677 00 27	19	6	.014
G1	0677 00 34	24	7	.025

0671 | **plug-in silencer**body nickel-plated brass
sintered bronze

C mm	Part Number	G mm	L mm	L1 mm	kg
4	0671 04 00	13	45.3	28.5	.013
6	0671 06 00	15	51.6	32.5	.020
8	0671 08 00	15	52.5	32.5	.021
10	0671 10 00	19.5	68	43	.044
12	0671 12 00	20	69	43	.046

0614/0672 | **flow control silencer** male NPT and BSPPbody brass
silencer-sintered bronze

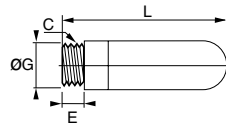
C NPT	Part Number	E in	F mm	G in	H min in	H max in	H1 in	oz
1/8	0614 00 11	.31	14	.55	.94	1.06	.71	.42
1/4	0614 00 14	.31	17	.67	.98	1.10	.75	.81
1/2	0614 00 22	.47	27	1.06	1.54	1.65	1.30	1.55

C BSPP	Part Number	E mm	F mm	G mm	H min in	H max in	H1 in	kg
G1/8	0672 00 10	8	14	14	24	27	18	.012
G1/4	0672 00 13	8	17	17	25	28	19	.023
G3/8	0672 00 17	10	22	22	30	33	24	.033
G1/2	0672 00 21	12	27	27	39	42	33	.044

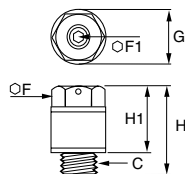
Consult us for flow characteristics.



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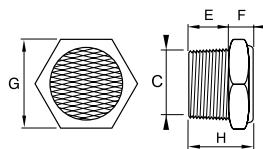
0611/0674 | threaded silencer NPT, BSPP or M5polyethylene body
plastic thread

C NPT	Part Number	E in	G in	L in	oz
1/8	0611 00 11	.24	.49	1.34	.07
1/4	0611 00 14	.28	.61	1.67	.11
C BSPP/M5	Part Number	E mm	G mm	L mm	kg
M5x0.8	0674 00 19	4	6.5	23	.001
G1/8	0674 00 10	6	12.5	34	.002
G1/4	0674 00 13	7	15.5	42.5	.003
G3/8	0674 00 17	11.5	18.5	67.5	.006
G1/2	0674 00 21	11	23.5	78	.010
G3/4	0674 00 27	15.5	38.5	131	.040
G1	0674 00 34	19.5	49	160	.050

0676 | flow control silencer BSPP

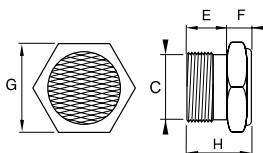
polyethylene/plastic

C BSPP/M5	Part Number	F mm	F1 mm	G mm	H mm	H1 mm	kg
M5x0.8	0676 00 19	8	1.5	9.2	16	11	.008
G1/8	0676 00 10	13	2.5	15	20.5	14.5	.003
G1/4	0676 00 13	15	4	18	29	22	.006
G3/8	0676 00 17	20	6	24	38	30	.018
G1/2	0676 00 21	25	8	30	50	40	.045

0683 | stainless steel threaded silencer male NPT

body stainless steel 316L

C NPT	Part Number	E in	F in	G mm	H in	oz
1/8	0683 00 11	.28	.28	14	.55	.35
1/4	0683 00 14	.43	.28	17	.71	.53
3/8	0683 00 18	.43	.31	22	.75	.81
1/2	0683 00 22	.59	.39	27	.98	1.55

0682 | stainless steel threaded silencer male BSPP

body stainless steel 316L

C BSPP	Part Number	E mm	F mm	G mm	H mm	kg
G1/8	0682 00 10	8	7	14	15	.009
G1/4	0682 00 13	8	7	17	15	.013
G3/8	0682 00 17	10	8	22	18	.020
G1/2	0682 00 21	12	10	27	22	.038
G3/4	0682 00 27	15	12	32	27	.066
G1	0682 00 34	18	38	38	32	.118

Technical Specifications:**Working Pressure**

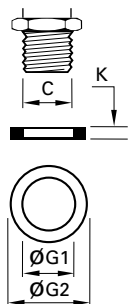
sintered bronze: 175 psi
polyethylene: 145 psi
stainless steel: 175 psi

Working Temperature

sintered bronze: -4° to 300° F (-20° to 149° C)
polyethylene: -14° to 175° F (-25° to 79° C)
stainless steel: -4° to 355° F (-20° to 179° C)

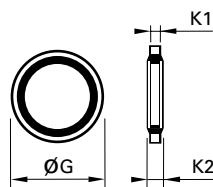


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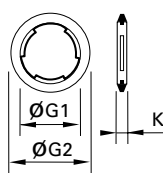
0138 | **copper washer** BSPP and metric

copper

C mm	Part Number	G1 mm	G2 mm	K mm	kg
M6	0138 06 00	6.3	9	1	.033
M8	0138 08 00	8.3	11	1	.001
M12	0138 12 00	12.3	15.5	1.5	.072
M14	0138 14 00	14.3	18	1.5	.001
M16	0138 16 00	16.3	20	1.5	.001
M18	0138 18 00	18.3	22	1.5	.001
M20	0138 20 00	20.3	24	1.5	.001
M22	0138 22 00	22.3	27	1.5	.002
M24	0138 24 00	24.3	29	2	.003
M26	0138 26 00	26.3	31	2	.003
M30	0138 30 00	30.3	36	2	.004
M36	0138 36 00	36.3	42	2	.005
M39	0138 39 00	39.3	44	2	.007
M52	0138 52 00	52.3	60	2	.009
G1/8	0138 10 00	10.3	13.5	1	.001
G1/4	0138 13 00	13.5	18	1.3	.001
G3/8	0138 17 00	17.3	21	1.5	.001
G1/2	0138 21 00	21.3	26	1.5	.002
G3/4	0138 27 00	27.3	32	2	.003
G1	0138 33 00	33.5	39	2	.005
G1 1/4	0138 42 00	42.5	49	2	.007
G2	0138 60 00	60	68	2.5	.014

0139 | **bi-material captive sealing washer** BSPPbichromated
zinc-plated steel
nitrile "O" ring

C BSPP	Part Number	G mm	K1 mm	K2 mm	kg
G1/8	0139 10 00	14	1	1.8	.001
G1/4	0139 13 00	17	1	1.8	.001
G3/8	0139 17 00	22	1.3	2.1	.001
G1/2	0139 21 00	26	1.6	2.4	.002
G3/4	0139 27 00	32	1.6	2.4	.002
G1	0139 34 00	43	3.5	4.5	.002

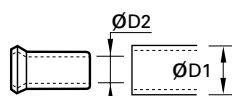
0602 | **captive sealing washer** BSPP and M5

nylon

C BSPP/M5	Part Number	G1 mm	G2 mm	K mm	kg
M5X0.8	0602 29 93 15	5.2	7.8	1.5	.001
G1/8	0602 23 10 20	10.3	14	2	.001
G1/4	0602 23 11 20	13.7	17.5	2	.001
G3/8	0602 23 12 20	17.2	21	2	.001
G1/2	0602 23 13 20	21.5	25.5	2.5	.001
G3/4	0602 27 32 20	27	32	2.5	.001
G1	0602 30 60 20	33.8	39	3	.001

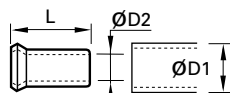


WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

0127 | **tube support** for nylon and polyurethane tubing

brass

ØD1 mm	ØD2 mm	Part Number	kg
4	2	0127 04 00	.001
4	2.7	0127 04 27	.001
5	3	0127 05 03	.001
5	3.3	0127 05 00	.001
6	4	0127 06 00	.001
8	5.5	0127 08 55	.001
8	6	0127 08 00	.001
10	7	0127 10 07	.002
10	7.5	0127 10 75	.002
10	8	0127 10 00	.002
12	8	0127 12 08	.002
12	9	0127 12 09	.002
12	10	0127 12 00	.002
14	11	0127 14 11	.003
14	12	0127 14 00	.003
15	12	0127 15 12	.003
16	13	0127 16 13	.003
18	14	0127 18 14	.004
20	15	0127 20 15	.004
22	16	0127 22 16	.005
25	19	0127 25 19	.005

1827 | **tube support** for Fluoropolymer tubing

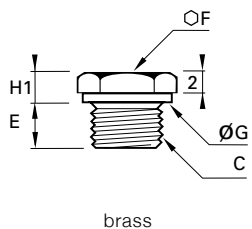
stainless steel

ØD1 mm	ØD2 mm	Part Number	L mm	kg
4	6	1827 06 00	11.5	.001
6	8	1827 08 00	14	.001
8	10	1827 10 00	18	.002
10	12	1827 12 00	18	.002
14	16	1827 16 00	18	.003

This ferrule is necessary when using fluoropolymer at all temperatures compatible with the fitting/tube assembly.



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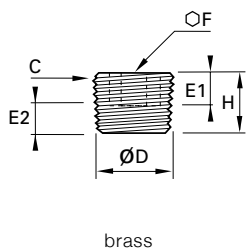
0200 | **hex head plug** BSPP and metric

C BSPP	Part Number	E mm	F mm	G mm	H1 mm	H2 mm	kg
G1/8	0200 10 00	7	14	13.7	5.5	4	.012
G1/4	0200 13 00	8.5	17	16.7	5.5	4	.019

C Metric	Part Number	E mm	F mm	G mm	H1 mm	H2 mm	kg
M6x1	0200 52 00	6	10	10	4	3.5	.004
M8x1.25	0200 57 00	7	13	13	4	3.5	.007
M10x1	0200 60 00	8	14	14	5	4.5	.012
M12x1	0200 65 00	9	17	17	5	4.5	.018
M12x1.25	0200 66 00	9	17	17	5	4.5	.018

Parallel metric threads ISO – standards NFE 03-054 and BNA 541.

Parallel metric threads – standards NFE 03-005 and BNA 541.

0205 | **internal hex head plug** NPT and BSPT

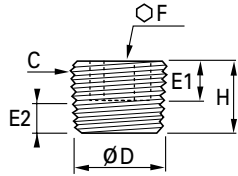
C NPT	Part Number	ØD in	E1 in	E2 min in	E2 max in	F in	H in	oz
1/8	0205 11 00	.40	.24	.12	.20	.79	.31	.141
1/4	0205 14 00	.54	.31	.17	.28	.94	.39	.282
3/8	0205 18 00	.67	.31	.18	.29	1.22	.43	.494
1/2	0205 22 00	.93	.31	.25	.39	1.53	.51	.917
3/4	0205 28 00	1.04	.43	.27	.41	2.16	.67	1.834
1	0205 35 00	1.31	.51	.31	.49	2.95	.75	3.245

C BSPT	Part Number	ØD mm	E1 mm	E2 min mm	E2 max mm	F mm	H mm	kg
R1/8	0205 10 00	9.728	6	3.1	4.9	5	8	.004
R1/4	0205 13 00	13.157	8	4.7	7.3	6	10	.008
R3/8	0205 17 00	16.662	8	5.1	7.7	8	11	.014
R1/2	0205 21 00	20.955	8	6.4	10	10	13	.027
R3/4	0205 27 00	26.441	11	7.7	11.3	14	17	.053
R1	0205 34 00	33.249	13	8.1	12.7	17	19	.092
R1-1/4	0205 42 00	41.910	14	10.4	15	22	22	.183
R1-1/2	0205 49 00	47.803	14	10.4	15	24	22	.250
R2	0205 48 00	59.614	16	13.6	18.2	30	25	.440

For BSP taper plus 1/2" - 1 1/2" inclusive - thread standard
NFE 03-004 - DIN906



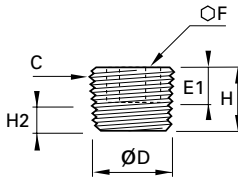
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0285 | internal hex head plug NPT or BSPT

stainless steel AISI 316L

C NPT	Part Number	ØD in	E1 in	E2 min in	E2 max in	F mm	H in	oz
1/8	0285 11 00	.40	.24	.13	.20	5	.31	.14
1/4	0285 14 00	.54	.31	.17	.28	6	.39	.25
3/8	0285 18 00	.67	.31	.19	.30	8	.43	.49
1/2	0285 22 00	.84	.31	.25	.39	10	.51	.88

C BSPT	Part Number	ØD mm	E1 mm	E2 min mm	E2 max mm	F mm	H mm	kg
R1/8	0285 10 00	9.728	6	3.1	4.9	5	8	.003
R1/4	0285 13 00	13.157	8	4.7	7.3	6	10	.007
R3/8	0285 17 00	16.662	8	5.1	7.7	8	11	.013
R1/2	0285 21 00	20.955	8	6.4	10	10	13	.024
R3/4	0285 27 00	26.441	11	7.7	11.3	14	17	.048
R1	0285 34 00	33.249	13	8.1	12.7	17	19	.086
R1-1/4	0285 34 00	41.910	14	10.4	15	22	22	.162
R1-1/2	0285 34 00	47.803	14	10.4	15	24	22	.222

0206 | internal hex head NPT and BSPT

untreated steel

C NPT	Part Number	ØD in	E1 in	E2 min in	E2 max in	F mm	H in	oz
1/16	0206 08 00	.31	.24	.15	.25	.16	.26	.070
1/8	0206 11 00	.40	.24	.12	.20	.20	.31	.106
1/4	0206 14 00	.54	.31	.17	.28	.24	.39	.247
3/8	0206 18 00	.67	.31	.18	.29	.31	.43	.423
1/2	0206 22 00	.83	.31	.25	.39	.39	.51	.847
3/4	0206 28 00	1.04	.43	.27	.41	.55	.67	1.658
1	0206 35 00	1.31	.51	.31	.49	.67	.75	2.928

C BSPT	Part Number	ØD mm	E1 mm	E2 min mm	E2 max mm	F mm	H mm	kg
R1/8	0285 10 00	9.728	6	3.1	4.9	5	8	.003
R1/4	0285 13 00	13.157	8	4.7	7.3	6	10	.007
R3/8	0285 17 00	16.662	8	5.1	7.7	8	11	.013
R1/2	0285 21 00	20.955	8	6.4	10	10	13	.024
R3/4	0285 27 00	26.441	11	7.7	11.3	14	17	.048
R1	0285 34 00	33.249	13	8.1	12.7	17	19	.086
R1-1/4	0285 34 00	41.910	14	10.4	15	22	22	.162
R1-1/2	0285 34 00	47.803	14	10.4	15	24	22	.222

For BSP taper plugs 1/2" - 1 1/2" inclusive - conform to standard
BNA 247 - thread - DIN 906 standard NFE 03-004



WARNING: These products can expose you to chemicals including NICKEL or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Cabinet

Store hundreds of Parker Legris products in one location.

This valuable product management tool is great for facilities that recognize the need for inventory management programs. When implemented with your specific needs, this cabinet provides ease of access, clear product identification, reduced inventory costs as well as increased productivity.



- Overall dimensions
16 7/8" wide x 28 1/2" deep x 38 1/8" tall
- Lockable drawers
- Heavy-duty, all-steel construction
- Customizable drawer compartments
Keeps products separate and allows rapid part selection
- "At a Glance" chart for quick reference
- Casters for easy transportation with locks to hold in place



Part Number
3150 00 05 53

Parker Legris Fit Kit

Convenient storage bin filled with our most common fittings.



- Fractional Inch version: Part number **3150 00 06 24**
- Metric version: Part number **3150 00 06 31**
- Products available in most common diameters: 5/32, 1/8 and 1/4
- 1/8, 1/4 and 3/8 NPT Threads
- Fit Kit contains a selection of 20 configuration of our most common used products



16-CB | 16 compartment large scoop box

Part Number	Width (in)	Depth (in)	Height (in)
16-CB	18	12	3

- Prime cold rolled steel outer shell
- High impact styrene insert with 16 compartments
- Scooped bottom compartments for easy part removal
- Full piano hinge on cover provides rigidity
- Positive pull-down catch keeps cover tightly closed to prevent part migration
- Handle allows for easy transport
- Durable gray powder coat finish



24-CB | 24 compartment large scoop box

Part Number	Width (in)	Depth (in)	Height (in)
24-CB	18	12	3

- Prime cold rolled steel outer shell
- High impact styrene insert with 24 compartments
- Scooped bottom compartments for easy part removal
- Full piano hinge on cover provides rigidity
- Positive pull-down catch keeps cover tightly closed to prevent part migration
- Handle allows for easy transport
- Durable gray powder coat finish



ADJ-CB | adjustable compartment box

Part Number	Width (in)	Depth (in)	Height (in)
ADJ-CB	18	12	3

- Prime cold rolled steel outer shell
- High impact styrene insert with 4 fixed vertical compartments and 9 moveable dividers adjustable on 1" centers
- Full piano hinge on cover provides rigidity
- Positive pull-down catch keeps cover tightly closed to prevent part migration
- Durable gray powder coat finish



4CB-SR | easy glide slide rack holds four 16-CB or 24-CB per rack

Part Number	Width (in)	Depth (in)	Height (in)
4CB-SR	20	15.75	15

- Sturdy construction using prime cold-rolled steel
- Each cradle holds up to 40 lbs
- Easy glide slides allow boxes to move in and out smoothly
- Center braces on cradles provide extra rigidity
- Reinforced rack keeps boxes level
- Boxes can be easily removed for transport to work areas
- Base and locking hinge are available as accessories
- Durable gray powder coat finish



LSR-STAND | steel stand

Part Number	Width (in)	Depth (in)	Height (in)
LSR-STAND	20.625	16.25	15.625

- Sturdy all steel construction
- Raises units 15 inches off the floor
- Legs attach easily using fasteners provided
- Durable gray powder finish



9-DC | 9 drawer cabinet

Part Number	Width (in)	Depth (in)	Height (in)
9-DC	17.25	11.625	10.875
Bin Dimensions	5.375	11.25	2.75

- Prime cold rolled steel construction
- High density drawer cabinet, easy to store large quantities of small parts
- Drawers feature interlocking design for superior strength
- Drawers have full width handles and easy glide runners
- Each drawer includes 2 easy label dividers, which are adjustable on 1" centers
- Cabinets can be stacked using mounting holes
- Durable gray powder coat finish
- Ships fully assembled



18-DC | 18 drawer cabinet

Part Number	Width (in)	Depth (in)	Height (in)
18-DC	17.25	11.625	21.25
Bin Dimensions	5.375	11.875	2.75

- Prime cold rolled steel construction
- High density drawer cabinet, easy to store large quantities of small parts
- Drawers feature interlocking design for superior strength
- Drawers have full width handles and easy glide runners
- Each drawer includes 2 easy label dividers, which are adjustable on 1" centers
- Cabinets can be stacked using mounting holes
- Durable gray powder coat finish
- Ships fully assembled



24B-CABINET | 24 opening bin

Part Number	Width (in)	Depth (in)	Height (in)
24B-CABINET	33.75	12	23.875
Bin Dimensions	5.375	11.875	5.5

- All welded, prime cold rolled steel
- Fully hemmed 1 1/8" bin fronts to hold labels and retain parts
- Roll-formed sides for increased strength and stability
- Ribbed and hemmed dividers provide added strength
- Modular with most 12" deep bins and drawer cabinets; mounting holes are located at both the top and bottom
- Durable gray powder coat finish
- Ships fully assembled



40B-CABINET | 40 opening bin

Part Number	Width (in)	Depth (in)	Height (in)
40B-CABINET	35.25	12	21.50
Bin Dimensions	4	11.875	4.5

- All welded, prime cold rolled steel
- Fully hemmed 1 1/8" bin fronts to hold labels and retain parts
- Roll-formed sides for increased strength and stability
- Ribbed and hemmed dividers provide added strength
- Modular with most 12" deep bins and drawer cabinets; mounting holes are located at both the top and bottom
- Durable gray powder coat finish
- Ships fully assembled



Pipe Fittings

Straight Fittings

1. Tighten external thread into internal thread.
2. Tighten an additional 2 turns with a wrench up to 1/2" male pipe thread.
3. Above 1/2" 1 1/2 to 2 1/2 turns.



Elbow or Tee Fittings

1. Tighten external thread into internal thread.
2. Tighten an additional 1 to 1 1/2 turns with a wrench.
3. Tighten fitting, clockwise to align with tubing. (Never counter clockwise)

Note: To minimize the possibility of a leaking threaded joint after assembling male to female pipe threads, neither end should be backed out (loosened) Once the assembly has been made.

Compression

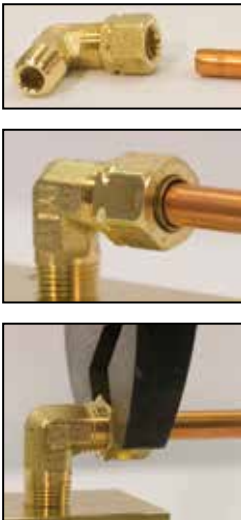
1. Slide nut then sleeve onto tubing. The thread end of the nut must face out.
2. Insert tube and bottom on the fitting shoulder
3. Assemble nut to body and tighten "hand tight". Then wrench tighten the number of turns indicated in the table.

FITTING SIZE	TUBE SIZE	TURNS REQUIRED TO SEAL FROM HAND-TIGHT	
		60C WITH SOFT METAL TUBING	60PT WITH THERMOPLASTIC TUBING
2	1/8	1-1/4	—
3	3/16	1-1/4	—
4	1/4	1-1/4	2
5	5/16	1-1/4	2
6	3/8	2-1/4	2
8	1/2	2-1/4	2
10	5/8	2-1/4	2
12	3/4	2-1/4	2
14	7/8	2-1/4	—



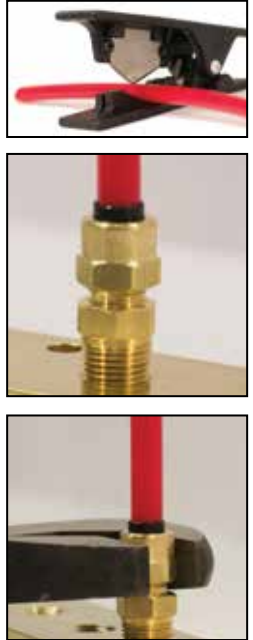
Compress-Align

With nut finger tight on fitting body, insert tubing until it bottoms in the Fitting. Complete the seal with one wrench turn for all sizes.



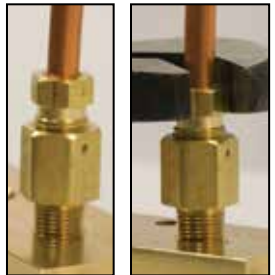
Poly-Tite

1. Cut tubing squarely – maximum of 15° angle allowable.
2. Check that port or mating part is clean and free of debris.
3. Insert tube end until it bottoms in the Poly-Tite fitting and tighten knurl/hex nut finger-tight, plus one wrench turn.



Hi-Duty

1. Cut tube squarely and cleanly removing all burrs.
2. Grasp fitting. Do not remove nut.
3. Insert tube in fitting through nut until tube seats firmly against tube shoulder in body.
4. Grip tube firmly to prevent turning and tighten nut to finger-tight. Continue to tighten for one and three-quarter additional turns (one and one-half turns for 1/2" size fittings) for a positive, leak proof seal. During tightening a slight "give" will be felt. This "give" indicates the sleeve has been sheared from the nut. It is not necessary to tighten the nut all the way down.





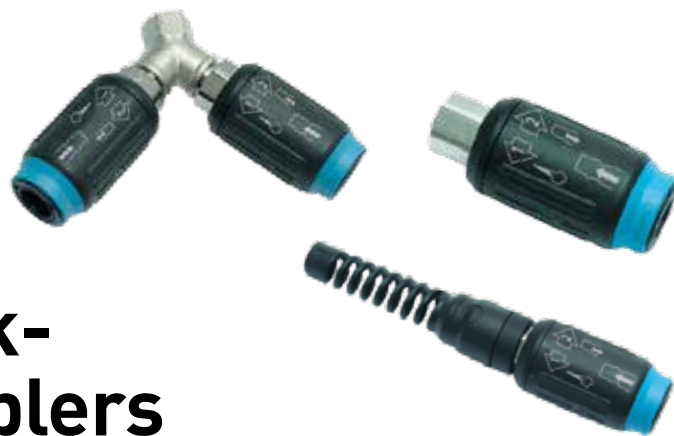
Quick-Acting Couplers

Nylon Safety C9000

Industrial Interchange
Coupler



C9000 Nylon Quick-Acting Safety Couplers



Parker Legris' C9000 nylon quick-acting safety couplers have been designed for the safety of operators and machinery while giving very high energy efficiency performance. Available in three profile standards, it is perfectly suited for any type of installation.

Product Features:

Safety & Reliability

- Prevents risk of whiplash
- Quick-acting vent allowing disconnection to be carried out in total safety
- Rotating sleeve to avoid risk of accidental disconnection
- Nylon sleeve protects equipment from scratching
- Protective spiral over the tube prevents kinking

Performance

- Very high flow and low pressure drop
- 100% leak-tested in production
- Date coding to guarantee quality and traceability
- Robust impact-resistant material
- Optimum energy efficiency
- Long-term reliability

Easy-to-Use

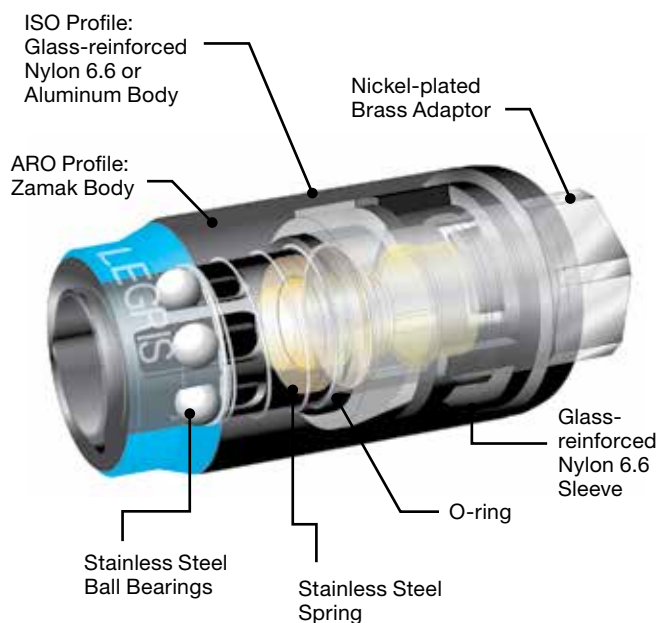
- Immediate identification by clear marking on each model showing:
 - profile of the compatible male probe
 - type part number
- Compatible with male probes conforming to:
 - ISO B profile
 - European profile
 - ARO profile

Specifications:

Compatible Fluids Compressed air only

Working Pressure Up to 230 psi (16 bar)

Working Temperature -4° to 140° F (20° to 60° C)



Markets:

- Water Filtration
- Beverage Dispensing
- Life Science
- Bottling
- Semi-Conductor

Applications:

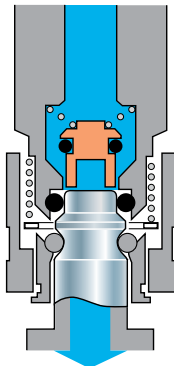
- Workshops
- Cleaning
- Blowing
- Pneumatics
- Air-Operated Tools
- Ring Main Circuits
- Packaging

Silicone-Free

C9000 Technology and Flow Rates

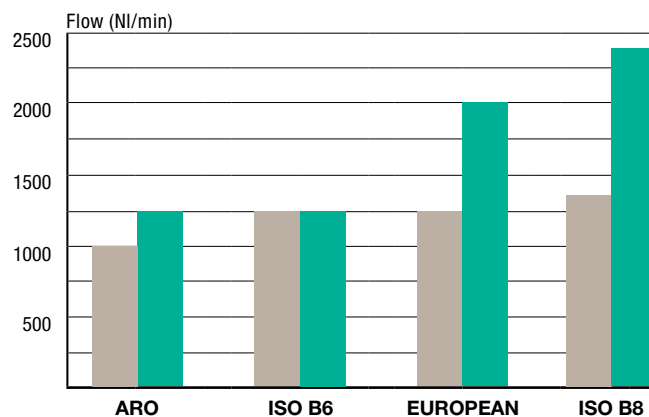
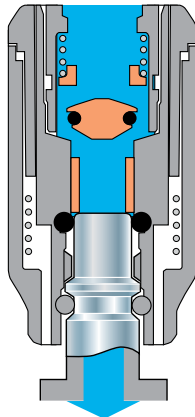
“Typical” Quick-Acting Coupler
Standard “poppet” technology

Flow: 1400 NI/min



C9000 Quick-Acting Coupler
“Optimal flow” technology

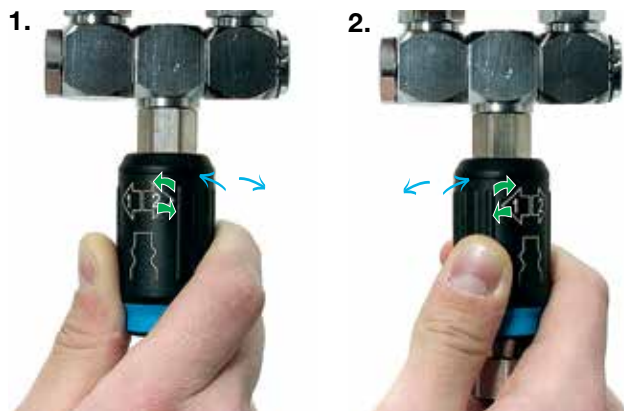
Flow: 2400 NI/min



■ C9000 Coupler
■ Standard Couplers

Measurements carried out in accordance with ISO 6358 at a pressure of 6 bar, pressure drop < 0.7 bar

Operation



Connecting the probe

The sleeve does not need to be rotated to connect the probe.

Disconnecting the probe

Rotation, arrow 1: circuit vented on probe side.

Rotation, arrow 2: probe disconnected from the body.

Venting Time



ISO B6 profile, recoil tubing (I.D. 6 mm, length 6 m)

Venting time = 350 ms (transition from 6 bar to 0.2 bar)

ISO B8 profile, PVC tubing (I.D. 10 mm, length 25 m)

Venting time = 860 ms (transition from 6 bar to 0.2 bar)

Even with longer lengths of tubing, the vent time of the C9000 coupler can be less than 1 second.

C9000 safety couplers – industrial interchange**9405U**NPT
p. G5-G6**9415U**NPT
p. G5-G6**9410U**

p. G5-G6

**9417U**NPT
p. G5-G6**9421U**

p. G5-G6

**9442U**NPT
p. G5-G6**9084**NPT
p. G5-G6**9083**NPT
p. G5-G6**9085**

p. G5-G6

**9080U**

p. G5-G6

**C9000 safety couplers – ARO 210****9405A**NPT
p. G7**9415A**NPT
p. G7**9410A**

p. G7

**9421A**

p. G7

**9442A**NPT
p. G7**9084**NPT
p. G7**9083**NPT
p. G7**9085**

p. G7

**9080A**

p. G7

**industrial interchange couplers****9L05**NPT
p. G9**9L04**NPT
p. G9**9L85**NPT
p. G9**9084**NPT
p. G9**9083**NPT
p. G9**9085**NPT
p. G9

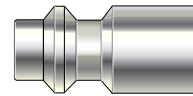
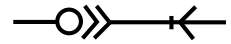
Flow: 47 scfm

The C9000 Industrial Interchange 1/4 body size ensures a superior flow and total security due to disconnection in two steps. Therefore C9000 is perfectly suited for numerous type of installations:

- pneumatic tools
- blowguns
- pneumatic automotive equipment
- production cells

Industrial Interchange Profile: Body Size 1/4 I.D.

ISO 6150 B
NF.E49.053
US.MIL.C 4109
CEJN 310
Prevost IRC06.ISC06
Rectus 23.24

**SAFETY****Couplers****9405U male straight body NPT**

NPT	Part Number	oz
1/4	9405U06 14	1.6
3/8	9405U06 18	1.6
1/2	9405U06 22	2.0

9415U female straight body NPT

NPT	Part Number	oz
1/4	9415U06 14	1.6
3/8	9415U06 18	1.6
1/2	9415U06 22	2.0

9410U body + spring guard

ØD	Part Number	oz
5/16	9410U06 08	1.55
3/8	9410U06 60	1.60

9417U bulkhead body NPT

NPT	Part Number	oz
1/4	9417U06 14	2.0

9421U barbed connector body

ØD	Part Number	oz
1/4, 6mm	9421U06 06	1.6
5/16, 8mm	9421U06 08	1.6
3/8, 10mm	9421U06 10	1.6

9442U "Y" connector body

NPT	Part Number	oz
3/8	9442U06 18	7.65

Plugs**9084 male straight NPT**

NPT	Part Number	oz
1/4	9084 23 14	1.01
3/8	9084 23 18	1.35

9083 female straight NPT

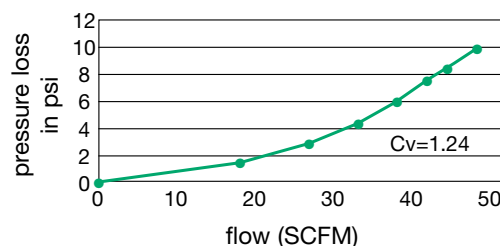
NPT	Part Number	oz
1/4	9083 23 14	.95
3/8	9083 23 18	1.36

9085 barbed connector

ØD	Part Number	oz
1/4	9085 23 56	.85
5/16	9085 23 08	.88
3/8	9085 23 60	.93

9080U body + spring guard

ØD	Part Number	oz
5/16	9080U06 08	1.03
3/8	9080U06 60	1.27

Flow Characteristics 1/4 body size

Working pressure
up to 230 psi (16 bar)



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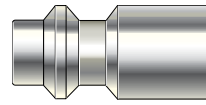
Flow: 97 scfm

The C9000 Industrial Interchange 3/8 body size has a very high flow capacity. Its robust construction and the twist disconnect design make it perfectly suited for heavy duty applications such as:

- large pneumatic tools
- main supply outlets
- stamping equipment

Industrial Interchange Profile: Body Size 3/8 I.D.

ISO 6150 B
NF.E49.053
US.MIL.C 4109
CEJN 310
Prevost IRC08.ISC08
Rectus 30

**SAFETY****Couplers****9405U male straight body NPT**

NPT	Part Number	oz
1/4	9405U08 14	3.2
3/8	9405U08 18	3.2
1/2	9405U08 22	4.0

9415U female straight body NPT

NPT	Part Number	oz
1/4	9415U08 14	3.2
3/8	9415U08 18	3.2
1/2	9415U08 22	4.0

9417U bulkhead body NPT

NPT	Part Number	oz
3/8	9417U08 18	3.95

9421U barbed connector body

ØD	Part Number	oz
1/4, 6mm	9421U08 06	3.20
5/16, 8mm	9421U08 08	3.25
3/8, 10mm	9421U08 10	3.45
1/2, 13mm	9421U08 13	3.90

9442U "Y" connector body

NPT	Part Number	oz
1/2	9442U08 22	10.95

Plugs**9084 male straight NPT**

NPT	Part Number	oz
1/4	9084 30 14	1.11
3/8	9084 30 18	1.35
1/2	9084 30 22	1.58

9083 female straight NPT

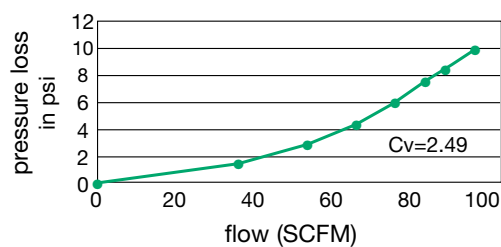
NPT	Part Number	oz
1/4	9083 30 14	1.03
3/8	9083 30 18	1.44

9085 barbed connector

ØD	Part Number	oz
5/16	9085 30 08	.94
3/8	9085 30 60	.96
1/2	9085 30 62	1.01

9080U body + spring guard

ØD	Part Number	oz
1/2	9080U06 62	1.87

Flow Characteristics 3/8 body size

Working pressure
up to 230 psi (16 bar)



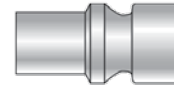
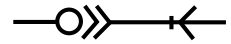
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Flow: 44 scfm

The C9000 ARO 210 profile 1/4 body sizes ensure the user a superior flow and small pressure pass - therefore they are perfectly suited for numerous types of installations and equipment.

ARO 210 Profile: Body Size 1/4 I.D.

ARO 210
CEJN300
Orion 44510
Parker 50
Rectus 14-22

**SAFETY****Couplers****9405A male straight body NPT**

NPT	Part Number	oz
1/4	9405A06 14	1.6
3/8	9405A06 18	1.6

9415A female straight body NPT

NPT	Part Number	oz
1/4	9415A06 14	1.6

9410A body + spring guard

ØD	Part Number	oz
5/16	9410A06 08	1.55

9421A barbed connector body

ØD	Part Number	oz
1/4, 6mm	9405A06 06	1.6
5/16, 8mm	9405A06 08	1.6
3/8, 10mm	9405A06 10	1.6

9442A "Y" connector body

NPT	Part Number	oz
3/8	9442A06 18	7.65

Plugs**9084 male straight NPT**

NPT	Part Number	oz
1/4	9084 22 14	1.01
3/8	9084 22 18	1.35

9083 female straight NPT

NPT	Part Number	oz
1/4	9083 22 14	.95

9085 barbed connector

NPT	Part Number	oz
1/4, 6mm	9085 22 06	.494
5/16, 8mm	9085 22 08	.564
3/8, 10mm	9085 22 10	.635

9080A body + spring guard

ØD	Part Number	oz
5/16, 8mm	9080A06 08	1.83

OSHA Recommendation

Safety concerns regarding power tools

Pneumatic Tools – Disconnection

"Pneumatic tools must be checked to see that the tools are fastened securely to the air hose to prevent them from being disconnected. A short wire or positive locking device attaching the air hose to the tool must also be used and will serve as an added safeguard."



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Features and Benefits:

- Conforms to ANSI (NFPA) T3.20.14-1990 and MIL-C-4109 specifications
- Type "A900" interchange
- More balanced connection (6 ball bearings instead of 4)
- Protective sleeve
- Automatic and easy connection
- Plug insertion force 4.6 lbf
- Interchange with major competitors
- Prolonged life
- Provides protection from accidental disconnection
- No leaks once connection is made

Markets:

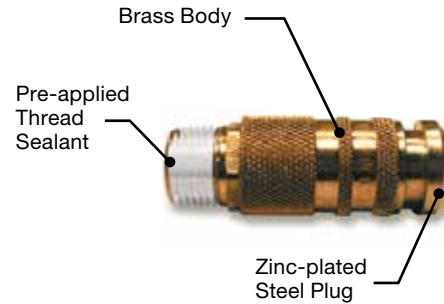
- Automotive Process
- Construction
- General Industrial and Air Piping

Applications:

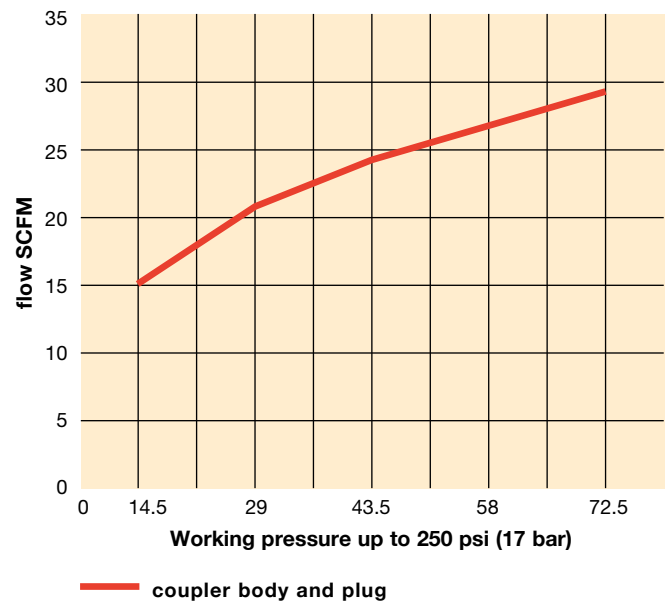
- Factory Automation
- Air Operated Tools
- Workshops
- Pneumatic Equipment
- Cleaning

Features and Benefits:

Interchanges with other manufacturers product conforming to ANSI (NFPA) T3.20.14-1990 and MIL-C-4109 specifications



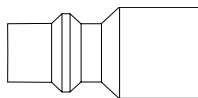
Industrial Interchange Coupler Flow Rate



Technical Performances

Sealing Material	Nitrile (Buna-N) U-cup and O-ring	
Max. Working Pressure	250 psi (17 bar)	
Proof Pressure	4:1 Safety factor	
Operating Temperature Range	-40° to 250° F (-40° to 121° C)	
Vacuum Data	Disconnected, not recommended	Connected, 28 in Hg
Direction of Flow	Connected, either direction	Disconnected, seal only in one direction, air in
Thread Sealant	On male NPT threads	

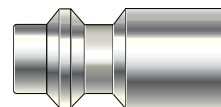
Used in compressed air applications
(Please consult us for additional fluids.)



actual size

Body Size 1/4 I.D.

ISO 6150 B
AFNOR:
NF.E49.053
US.MIL.C 4109
CEJN 310
Prevost IRC06.ISC06
Rectus 23.24



Can be interchanged with other manufacturers.

Couplers

9L05 male straight body NPT



NPT	Part Number	oz
1/4	9L05 11 14P180	3.03
3/8	9L05 11 18P180	3.09

9L04 female straight body NPT



NPT	Part Number	oz
1/4	9L04 11 14P180	2.94
3/8	9L04 11 18P180	1.33

9L85 barbed connector body



Hose ID	Part Number	oz
1/4	9L85 11 14P1	3.03
3/8	9L85 11 18P1	3.10

Plugs

9084 male straight NPT



NPT	Part Number	oz
1/4	9084 23 14	1.01
3/8	9084 23 18	1.35

9083 female straight NPT



NPT	Part Number	oz
1/4	9083 23 14	.95
3/8	9083 23 18	1.36

9085 barbed connector

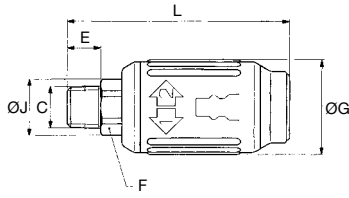


NPT	Part Number	oz
1/4	9085 23 56	.81
5/16	9085 23 08	.88
3/8	9085 23 60	.93

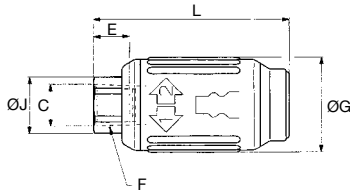


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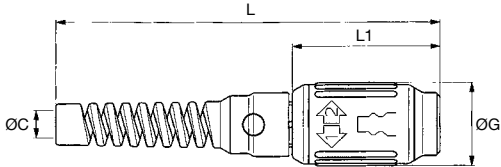
Hose barb versions are to be used with single braid general purpose industrial grade rubber hose only. These versions are not to be used with nylon or polyurethane tubing. Hose should be clamped onto the barb with either a worm gear or double ear type clamp. Hose can also be crimped onto the hose barb with a crimped metal ferrule.

C9000 | industrial interchange profile**9405U** | male straight body NPT – 1/4 I.D.

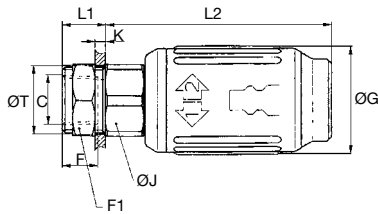
C NPT	Part Number	E in	F mm	ØG in	ØJ in	L mm
1/4	9405U06 14	.43	17	1.24	.73	2.91
3/8	9405U06 18	.45	19	1.24	.83	2.97
1/2	9405U06 22	.59	22	1.24	.95	3.17

9415U | female straight body NPT – 1/4 I.D.

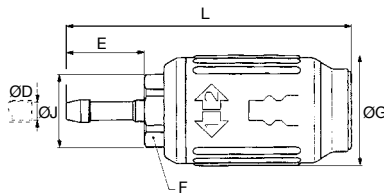
C NPT	Part Number	E in	F mm	ØG in	ØJ in	L mm
1/4	9415U06 14	.47	17	1.24	.73	2.58
3/8	9415U06 18	.47	22	1.24	.95	2.84
1/2	9415U06 22	.59	27	1.24	1.16	3.01

9410U | body + spring guard – 1/4 I.D.

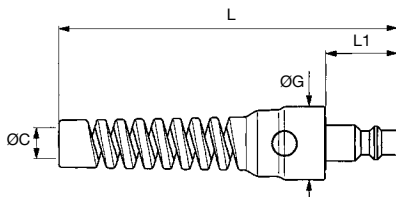
C NPT	Part Number	ØG in	L in	L1 mm
5/16	9410U06 08	31.5	145	56
3/8	9410U06 60	31.5	145	56

9417U | bulkhead body NPT – 1/4 I.D.

C NPT	Part Number	E in	F mm	F1 mm	ØG in	ØJ in	K max in	L1 in	L2 in	ØT min in
1/4	9417U06 14	.47	22	22	1.24	.95	.24	.49	2.70	.73

9421U | barbed connector body – 1/4 I.D.

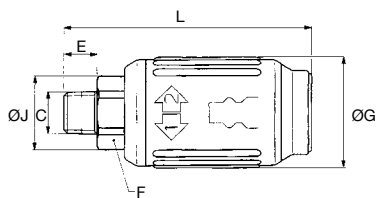
C NPT	Part Number	E in	F mm	ØG in	ØJ in	L mm
1/4, 6mm	9421U06 06	1.02	17	1.24	.73	3.48
5/16, 8mm	9421U06 08	1.02	17	1.24	.73	3.48
3/8, 10mm	9421U06 10	1.02	17	1.24	.73	3.48

9080U | body + spring guard – 1/4 I.D.

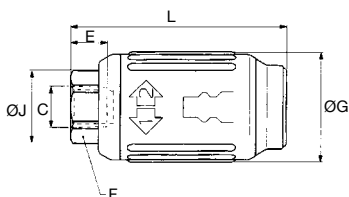
C NPT	Part Number	ØG in	L in	L1 mm
5/16	9080U06 08	24	112	24
3/8	9080U06 60	24	112	24



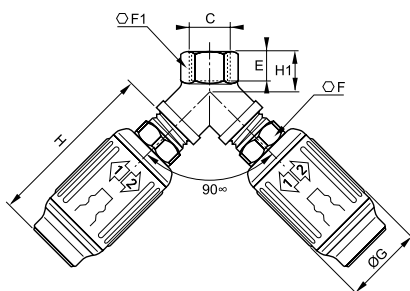
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C9000 | industrial interchange profile**9405U | male straight body** NPT – 3/8 I.D.

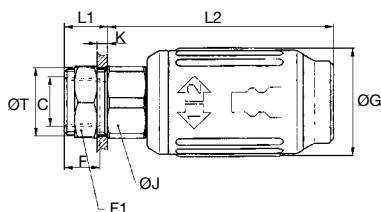
C NPT	Part Number	E in	F mm	ØG in	ØJ in	L mm
1/4	9405U08 14	.43	22	1.44	.95	3.27
3/8	9405U08 18	.45	22	1.44	.95	3.29
1/2	9405U08 22	.59	22	1.44	.95	3.43

9415U | female straight body NPT – 3/8 I.D.

C NPT	Part Number	E in	F mm	ØG in	ØJ in	L mm
1/4	9415U08 14	.47	22	1.44	.95	2.95
3/8	9415U08 18	.47	22	1.44	.95	2.95
1/2	9415U08 22	.59	27	1.44	1.14	3.15

9442U | female straight body NPT – 1/4 I.D.

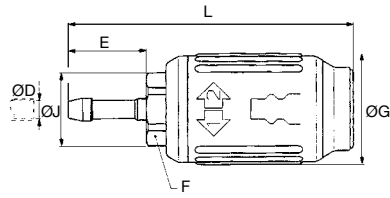
C NPT	Part Number	E in	F mm	F1 in	G in	H in	H1 in
3/8	9442U06 18	.45	19	.79	1.24	2.76	.63

9417U | bulkhead body NPT – 3/8 I.D.

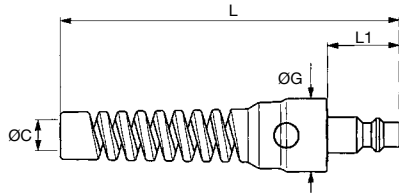
C NPT	Part Number	E in	F mm	F1 mm	ØG in	ØJ in	K max in	L1 in	L2 in	ØT min in
3/8	9417U08 18	.47	24	24	1.24	.95	.24	.49	2.70	.73



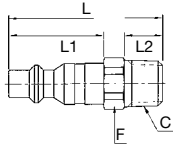
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C9000 | industrial interchange profile**9421U** | male straight body NPT – 3/8 I.D.

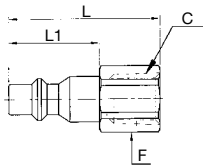
C NPT	Part Number	E in	F mm	ØG in	ØJ in	L in
1/4, 6mm	9421U08 06	1.02	22	1.44	.94	3.74
5/16, 8mm	9421U08 08	1.02	22	1.44	.94	3.74
3/8, 10mm	9421U08 10	1.02	22	1.44	.94	3.74
1/2, 13mm	9421U08 13	1.18	22	1.44	.94	3.74

**9080U** | body + spring guard – 3/8 I.D.

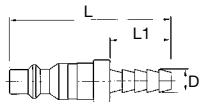
C NPT	Part Number	ØG in	L in	L1 mm
1/2	9080U08 62	29.5	4.9	1.02

**9084** | male straight NPT – 3/8 I.D.

C NPT	Part Number	F in	L in	L1 in	L2 in
1/4	9084 30 14	.67	1.78	1.10	.47
3/8	9084 30 18	.67	1.81	1.10	.47
1/2	9084 30 22	.87	2.02	1.10	.67

**9083** | female straight NPT – 3/8 I.D.

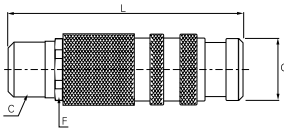
C NPT	Part Number	F in	L in	L1 in
1/4	9083 30 14	.67	1.86	1.10
3/8	9083 30 18	.75	1.94	1.10

**9085** | barbed connector body – 3/8 I.D.

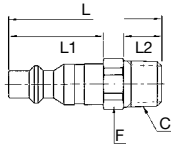
D Hose ID	Part Number	L in	L1 in
5/16	9085 30 08	2.16	1.10
3/8	9085 30 60	2.16	1.10



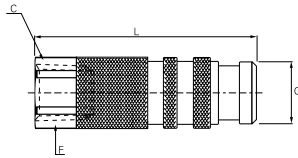
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C9000 | industrial interchange profile**9L05** | male straight body NPT – 1/4 I.D.

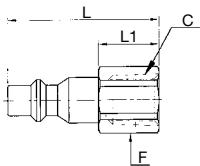
C NPT	Part Number	F in	G in	L in
1/4	9L05 11 14P180	11/16	.80	2.21
3/8	9L05 11 18P180	11/16	.80	2.25

**9804** | male straight NPT – 1/4 I.D.

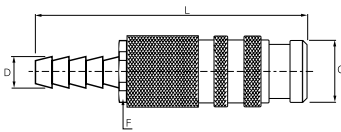
C NPT	Part Number	F in	L in	L1 in	L2 in
1/4	9084 23 14	.551	1.65	.93	.47
3/8	9084 23 18	.669	1.59	.93	.47

**9L04** | female straight body NPT – 1/4 I.D.

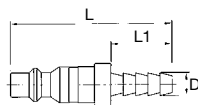
C NPT	Part Number	F in	G in	L in
1/4	9L04 11 14P180	11/16	.80	2.00
3/8	9L04 11 18P180	3/4	.80	2.15

**9803** | female straight NPT – 1/4 I.D.

C NPT	Part Number	F in	L in	L1 in
1/4	9083 23 14	5/8	1.56	.63
3/8	9083 23 18	13/16	1.60	.67

**9L85** | barbed connector body – 1/4 I.D.

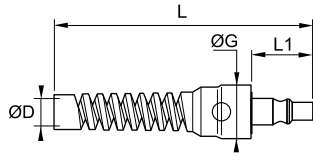
D Hose ID	Part Number	F in	G in	L in
1/4	9L85 11 14P1	11/16	.80	2.63
3/8	9L85 11 18P1	11/16	.80	2.63

**9085** | barbed connector – 1/4 I.D.

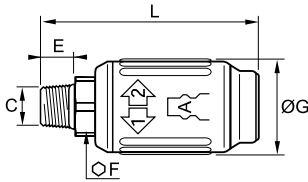
D Hose ID	Part Number	L in	L1 in
1/4	9085 23 56	1.99	.93
5/16	9085 23 08	1.99	.93
3/8	9085 23 60	1.99	.93



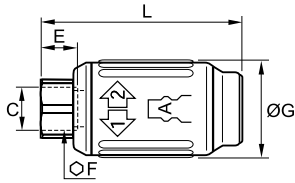
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C9000 | ARO 210 profile**9080A | body + spring guard – 1/4 I.D.**

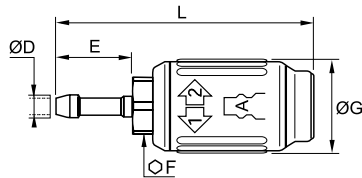
ØD	Part Number	ØG in	L in	L1 in
5/16, 8mm	9080A06 08	.94	4.65	.87

**9405A | male straight body NPT – 1/4 I.D.**

C NPT	Part Number	E in	F mm	ØG in	L in
1/4	9405A06 14	.47	17	1.24	2.87
3/8	9405A06 18	.49	19	1.24	2.93
1/2	9405A06 22	.63	22	1.24	3.13

**9415A | female straight body NPT – 1/4 I.D.**

C NPT	Part Number	E in	F mm	ØG in	L in
1/4	9415A06 14	.47	17	1.24	2.54
3/8	9415A06 18	.47	22	1.24	2.76
1/2	9415A06 22	.59	27	1.24	2.99

**9421A | male straight body – 1/4 I.D.**

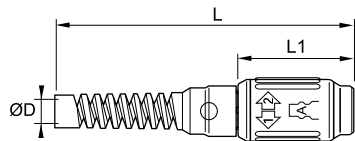
ØD	Part Number	E in	F mm	ØG in	L in
1/4, 6mm	9421A06 06	1.02	17	1.24	3.41
5/16, 8mm	9421A06 08	1.02	17	1.24	3.41
3/8, 10mm	9421A06 10	1.02	17	1.24	3.41



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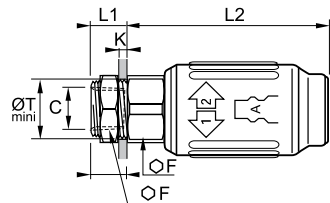
C9000 | ARO 210 profile

9410A | body + spring guard – 1/4 I.D.



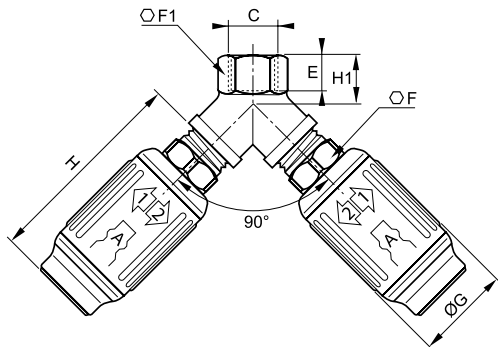
ØD	Part Number	L in	L1 in
5/16, 8mm	9410A06 08	5.63	2.13

9417A | bulkhead body NPT – 1/4 I.D.



C NPT	Part Number	E in	F mm	K in	L1 in	L2 in	ØT in
1/4	9417A06 14	.47	22	.24	.49	2.62	.73

9442A | “Y” connector body – 1/4 I.D.



C NPT	Part Number	E in	F mm	F1 in	G in	H in	H1 in
3/8	9442A06 18	.45	19	.79	1.24	2.68	.63



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Industrial Blowguns

Nylon

Metal



Nylon Blowguns



Parker Legris' nylon blowguns offer ease of use, energy saving, adaptability and efficiency. These blowguns comply with regulations for health, safety and noise levels.

Product Features:

Quality & Performance

- Comply with international standards for noise and pressure regulation
- Powerful flow with progressive control
- Durable, shock-resistant materials
- 100% leak and flow-tested in production
- Date coding to guarantee quality and traceability

Safety & Sustainable Development

- 40% energy consumption reduction with Energy-Saving model
- Complete user safety with the Safety model
- Wide selection of nozzles which comply with noise and pressure level regulations

Ergonomics & Versatility

- Ergonomic design
- Lightweight and easy to use
- Wide range of models and nozzles for optimum blowing power and flow rate
- Lower or upper connection
- Numerous hanging points for quick and easy removal



Markets:

- Pneumatic
- Industrial

Applications:

- Manufacturing Workshops
- Cleaning
- Blowing
- Mixing
- Ejection
- Cooling
- Packaging

Specifications:

Compatible Fluids	Compressed air Other fluids: contact factory
Working Pressure	Up to 145 psi (10 bar)
Working Temperature	Ambient: 5° to 120° F (-15° to 49° C) Dry air: -5° to 175° F (-20° to 80° C)
Tubes	35° to 200° F (2° to 93° C)

Silicone-Free

nylon blowguns

0653
NPT
p. H4**0653**
BSPP
p. H4**0652**
NPT
p. H4**0652**
BSPP
p. H4**0645**
NPT
p. H5**0655**
BSPP
p. H5**0649**
NPT
p. H5**0651**
BSPP
p. H5**0648**
NPT
p. H6**0658**
BSPP
p. H6**0646**
NPT
p. H6**0656**
BSPP
p. H6**0647**
NPT
p. H7**0657**
BSPP
p. H7**0644**
NPT
p. H7**0654**
BSPP
p. H7**0659**
NPT
p. H8**0659**
BSPP
p. H8

metal blowguns

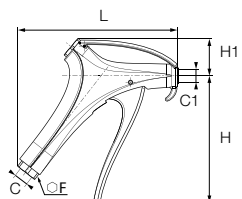
G1C-S
NPT
p. H8**G1B-S**
NPT
p. H8

nozzels for nylon blowguns

0690 01
p. H9**0690 02**
p. H9**0690 03**
p. H9**0690 04**
p. H9**0690 05**
p. H9**0690 06**
p. H10**0690 06 01**
p. H10**0690 07**
p. H10**0690 08**
p. H10**0690 09**
p. H11**0690 10**
p. H11**0690 11**
p. H11

accessories

0167
BSPT
p. H8

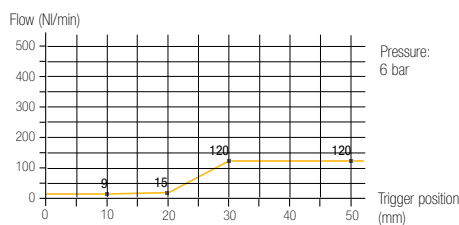


glass-reinforced nylon 6.6,
nickel-plated brass, NBR

0653 | energy saving blowgun lower connection - NPT

C	C1	Part	F	H1	H2	L1	L2	
NPT	Metric	Number	mm	in	in	in	in	oz
1/4	M12 x 1.25	0653 66 14	20	4.60	1.34	5.78	0.06	5.08

Progressive flow depending on the trigger position



120 Nl/min

Flow produced with
nozzle 0690 01 00

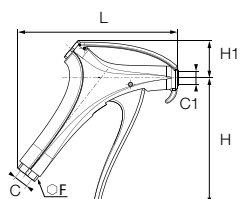


80 dBA

Noise level measured
without nozzle



OSHA 1910.242 (b):
Depends on type of nozzle
OSHA 1910.95 (b)
2003/10/EC directive:
No ear defenders necessary

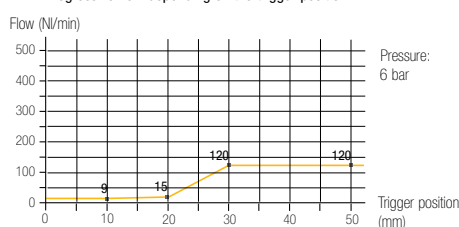


glass-reinforced nylon 6.6,
nickel-plated brass, NBR

0653 | energy saving blowgun lower connection - BSPP

C	C1	Part	F	H1	H2	L1	L2	
BSPP	Metric	Number	mm	mm	mm	mm	mm	kg
G1/4	M12 x 1.25	0653 66 13	20	117	34	147	1.50	.144

Progressive flow depending on the trigger position



120 Nl/min

Flow produced with
nozzle 0690 01 00

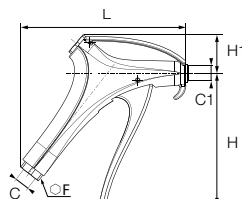


80 dBA

Noise level measured
without nozzle



OSHA 1910.242 (b):
Depends on type of nozzle
OSHA 1910.95 (b)
2003/10/EC directive:
No ear defenders necessary



glass-reinforced nylon 6.6,
nickel-plated brass, NBR

0652 | progressive control blowgun lower connection - NPT

C	C1	Part	F	H1	H2	L1	L2	
NPT	Metric	Number	mm	in	in	in	in	oz
1/4	M12 x 1.25	0652 66 14	20	4.60	1.34	5.79	0.06	5.75



Depending on the type of nozzle

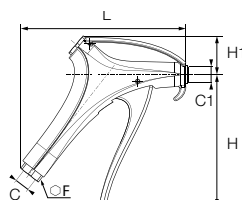


86 dBA

Noise level measured
without nozzle



OSHA 1910.242 (b):
Depends on type of nozzle
OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours



glass-reinforced nylon 6.6,
nickel-plated brass, NBR

0652 | progressive control blowgun lower connection - BSPP

C	C1	Part	F	H1	H2	L1	L2	
BSPP	Metric	Number	mm	mm	mm	mm	mm	kg
G1/4	M12 x 1.25	0652 66 13	20	117	34	147	1.50	.144



Depending on the type of nozzle



86 dBA

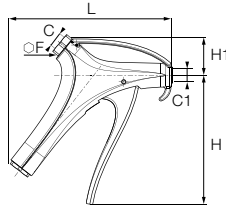
Noise level measured
without nozzle



OSHA 1910.242 (b):
Depends on type of nozzle
OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours



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0645 | progressive control blowgun upper connection - NPT

glass-reinforced nylon 6.6,
nickel-plated brass, NBR

C	C1	Part	F	H1	H2	L1	L2	
NPT	Metric	Number	mm	in	in	in	in	oz
1/4	M12 x 1.25	0645 66 14	20	4.61	1.46	5.71	0.08	5.93



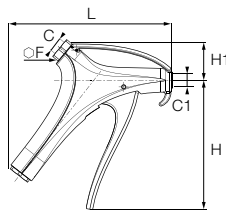
Depending on the type of nozzle



86 dBA Noise level measured
without nozzle



OSHA 1910.242 (b):
Depends on type of nozzle
OSHA 1910.95 (b)
2003/10/EC directive:
Requires ear defenders to be
used when exposure is > 8 hours

0655 | progressive control blowgun upper connection - BSPP

glass-reinforced nylon 6.6,
nickel-plated brass, NBR

C	C1	Part	F	H1	H2	L1	L2	
BSPP	Metric	Number	mm	mm	mm	mm	mm	kg
G1/4	M12 x 1.25	0655 66 13	20	117	34	145	2.00	.168



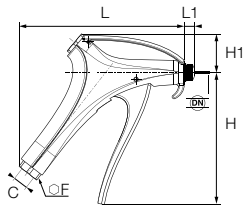
Depending on the type of nozzle



86 dBA Noise level measured
without nozzle



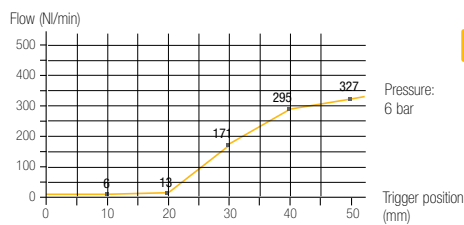
OSHA 1910.242 (b):
Depends on type of nozzle
OSHA 1910.95 (b)
2003/10/EC directive:
Requires ear defenders to be
used when exposure is > 8 hours

0651 | progressive control blowgun lower connection with standard nozzle - BSPP

glass-reinforced nylon 6.6,
nickel-plated brass, NBR

C	C1	Part	F	H1	H2	L1	L2	
BSPP	Metric	Number	mm	mm	mm	mm	mm	kg
G1/4	M12 x 1.25	0651 66 13	20	117	34	147	10	.168

Progressive flow depending on the trigger position



327 Nl/min Flow produced with
nozzle 0690 01 00



86 dBA



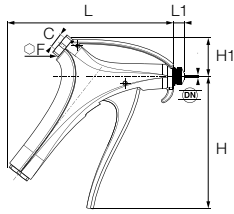
OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours



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0658 | progressive control blowgun

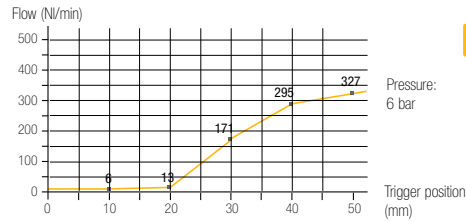
upper connection with standard nozzle - BSPP



glass-reinforced nylon 6.6,
nickel-plated brass, NBR

C	C1	Part	F	H1	H2	L1	L2	
BSPP	Metric	Number	mm	mm	mm	mm	mm	kg
G1/4	M12 x 1.25	0658 66 13	20	117	37	145	10	.195

Progressive flow depending on the trigger position



327 Nl/min Flow produced with
nozzle 0690 01 00



86 dBA



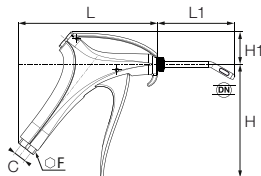
OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

Pressure:
6 bar

Trigger position
(mm)

0646 | safety progressive control blowgun

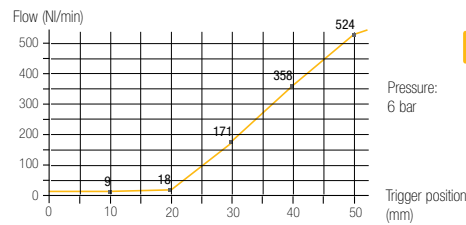
lower connection with short angled nozzle - NPT



glass-reinforced nylon 6.6,
nickel-plated brass, NBR

C	C1	Part	F	H1	H2	L1	L2	
NPT	Metric	Number	mm	in	in	in	in	oz
1/4	M12 x 1.25	0646 66 14	20	4.61	1.34	5.79	3.18	6.10

Progressive flow depending on the trigger position



524 Nl/min Flow produced with
nozzle 0690 06 01



86 dBA



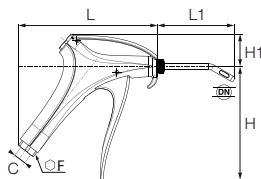
OSHA 1910.242 (b)
OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

Pressure:
6 bar

Trigger position
(mm)

0656 | safety progressive control blowgun

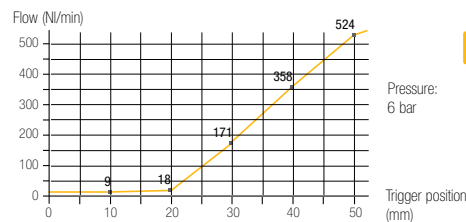
lower connection with short angled nozzle - BSPP



glass-reinforced nylon 6.6,
nickel-plated brass, NBR

C	C1	Part	F	H1	H2	L1	L2	
BSPP	Metric	Number	mm	mm	mm	mm	mm	kg
G1/4	M12 x 1.25	0656 66 13	20	117	34	147	81	.173

Progressive flow depending on the trigger position



524 Nl/min Flow produced with
nozzle 0690 06 01



86 dBA



OSHA 1910.242 (b)
OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

Pressure:
6 bar

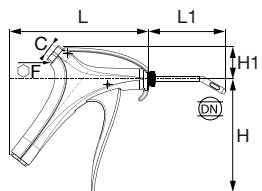
Trigger position
(mm)



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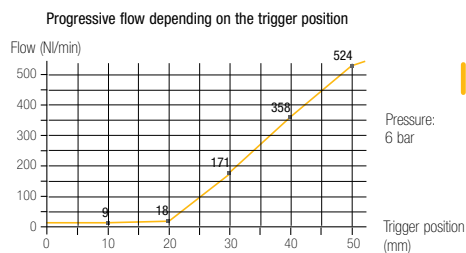
0647 | safety progressive control blowgun

upper connection with short angled nozzle - NPT



glass-reinforced nylon 6.6,
nickel-plated brass, NBR

C	C1	Part	F	H1	H2	L1	L2	
NPT	Metric	Number	mm	in	in	in	in	kg
1/4	M12 x 1.25	0647 66 14	20	4.61	1.45	5.71	3.23	5.93



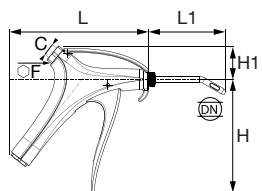
524 Nl/min Flow produced with
nozzle 0690 06 01

86 dBA

OSHA 1910.242 (b)
OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

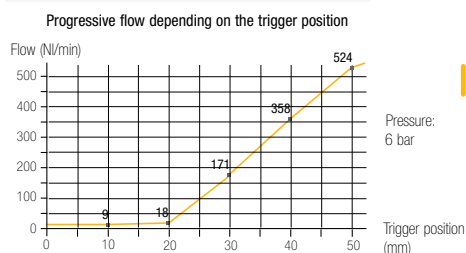
0657 | safety progressive control blowgun

upper connection with short angled nozzle - BSPP



glass-reinforced nylon 6.6,
nickel-plated brass, NBR

C	C1	Part	F	H1	H2	L1	L2	
BSPP	Metric	Number	mm	mm	mm	mm	mm	kg
G1/4	M12 x 1.25	0657 66 13	20	117	37	145	82	.168

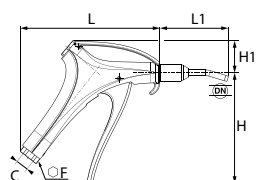


524 Nl/min Flow produced with
nozzle 0690 06 01

86 dBA

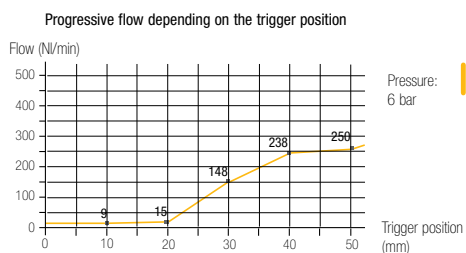
OSHA 1910.242 (b)
OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

0654 | safety blowgun lower connection - BSPP



glass-reinforced nylon 6.6,
nickel-plated brass, NBR

C	C1	Part	F	H1	H2	L1	L2	
BSPP	Metric	Number	mm	mm	mm	mm	mm	kg
G1/4	M12 x 1.25	0654 00 13	20	117	35	148	73	.187



250 Nl/min

80 dBA

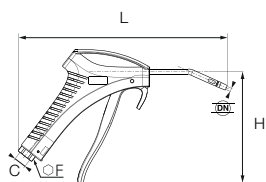
OSHA 1910.242 (b)
OSHA 1910.95 (b)
2003/10/EC directive:
No ear defenders necessary



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0659 | standard blowgun

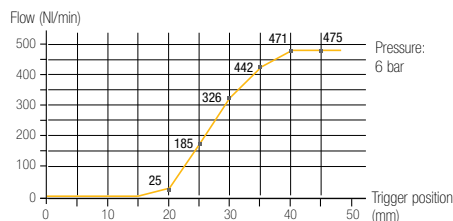
lower connection with short angled nozzle - NPT



nylon, treated aluminum, NBR

C	C1	Part Number	F	H	L	
NPT	Metric		mm	in	in	oz
1/4	M12 x 1.25	0659 00 14	20	4.71	8.78	2.50

Progressive flow depending on the trigger position



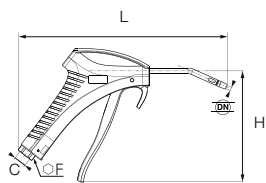
475 NL/min

82 dBA

OSHA 1910.242 (b)
OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

0659 | standard blowgun

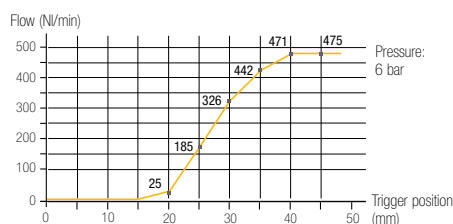
lower connection with short angled nozzle - BSPP



nylon, treated aluminum, NBR

C	C1	Part Number	F	H	L	
BSPP	Metric		mm	mm	mm	kg
G1/4	M12 x 1.25	0654 00 13	20	120	223	.072

Progressive flow depending on the trigger position



475 NL/min

82 dBA

OSHA 1910.242 (b)
OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

G1C-S | standard safety blowgun NPT



nickel-plated brass, NBR

C	Part Number	H1	H2	L	
NPT		in	in	in	oz
1/4	G1C-S	1.28	1.18	4.32	6.89

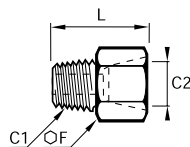
G1B-S | standard safety blowgun NPT



black powder-coated
nickel-plated brass, NBR

C	Part Number	H1	H2	L	
NPT		in	in	in	oz
1/4	G1B-S	1.28	1.18	4.32	6.89

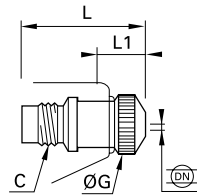
0167 | adapter female NPT to male BSPT



C1	C2	Part Number	E	F	L	
BSPT	NPT		mm	mm	mm	kg
R1/4	1/4	0167 13 14	11.5	17	28.5	.029



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0690 01 | **standard nozzle**

C	Part Number	G mm	L mm	L1 mm	kg
NPT					
M12 x 1.25	0690 01 00	15	31	9	.024



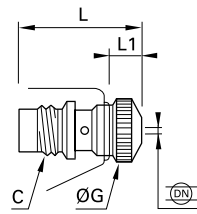
327 Nl/min

86 dBA

23°

- Versatile use
- Progressive and powerful air jet

OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

0690 02 | **safety nozzle**

C	Part Number	G mm	L mm	L1 mm	kg
NPT					
M12 x 1.25	0690 02 00	15	31	9	.024



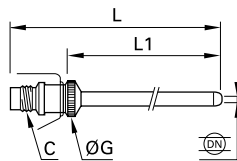
315 Nl/min

83 dBA

26°

- Fluidised Powders
- Air screen effect
- Safety: avoids the nozzle becoming completely blocked

OSHA 1910.95 (b)/1910.242 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

0690 03 | **straight nozzle - long**

C	Part Number	G mm	L mm	L1 mm	kg
NPT					
M12 x 1.25	0690 03 00	15	332	307	.068



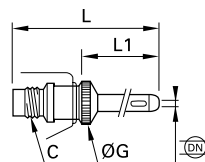
386 Nl/min

82 dBA

21°

- Restricted access
- Progressive and powerful air jet

OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

0690 04 | **safety straight nozzle - short**

C	Part Number	G mm	L mm	L1 mm	kg
NPT					
M12 x 1.25	0690 04 00	15	102	77	.033



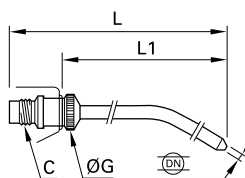
410 Nl/min

82 dBA

21°

- Restricted access
- Air screen effect and directional jet
- Safety: avoids the nozzle becoming completely blocked

OSHA 1910.242 (b)/ OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

0690 05 | **angled nozzle - long**

C	Part Number	G mm	L mm	L1 mm	kg
NPT					
M12 x 1.25	0690 05 00	15	316	292	.065



354 Nl/min

82 dBA

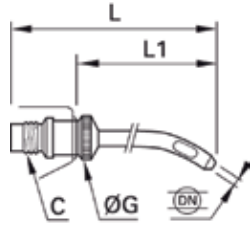
21°

- Restricted or distant access
- Progressive and powerful air jet
- 360° rotation

OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours



WARNING: These products can expose you to chemicals including LEAD which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

0690 06 | safety angled nozzle - short

C	Part	G	L	L1	
NPT	Number	mm	mm	mm	kg
M12 x 1.25	0690 06 00	15	94	70	.033



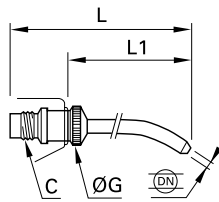
- Restricted access
- Air screen effect and 360° directional jet
- Safety: avoids the nozzle becoming completely blocked

350 Nl/min

86 dBA

21°

OSHA 1910.242 (b)/ OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection if
exposure > 8 hours

0690 06 | angled nozzle - short

C	Part	G	L	L1	
NPT	Number	mm	mm	mm	kg
M12 x 1.25	0690 06 01	15	94	70	.034



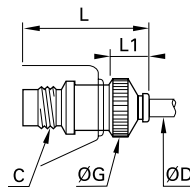
- Difficult access
- Progressive and powerful air jet, 360° rotation

524 Nl/min

86 dBA

21°

OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection if exposure
> 8 hours

0690 07 | nozzle with LF 3000® push-in connection

C	Part	G	L	L1	
NPT	Number	mm	mm	mm	kg
M12 x 1.25	0690 07 00	15	35	13	.024



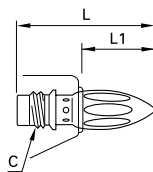
- Restricted access
- Progressive air jet

340 Nl/min (with 2.7x4 tube)
200 Nl/min (with 2x4 tube)

86 dBA

21°

OSHA 1910.95 (b)
2003/10/EC directive:
Requirement to use ear protection
if exposure > 8 hours

0690 08 | coanda nozzle

C	Part	L	L1	
NPT	Number	mm	mm	kg
M12 x 1.25	0690 08 00	47.5	26	.033



- Directional air jet
- Very quiet, energy-saving
- Safety: avoids the nozzle becoming completely blocked

240 Nl/min

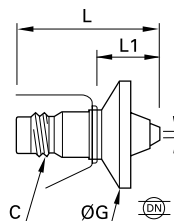
73 dBA

20°

OSHA 1910.242 (b)/ OSHA 1910.95 (b)
2003/10/EC directive:
No ear defenders necessary



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0690 09 | air screen safety nozzle

C	Part Number	G	L	L1	
NPT		mm	mm	mm	kg
M12 x 1.25	0690 09 00	30	40.5	18.5	.022



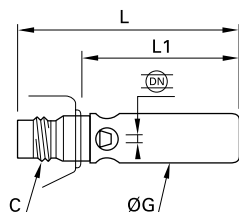
660 NI/min

86 dBA

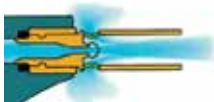
- High flow for blowing large surfaces
- Air screen and deflector to avoid particles being blown back
- Safety: avoids the nozzle becoming completely blocked

24° nozzle
140° screen

OSHA 1910.242 (b) / OSHA 1910.95 (b)
2003/10/EC directive:
Requires ear protection if
exposure > 8 hours

0690 10 | safety booster nozzle

C	Part Number	G	L	L1	
NPT		mm	mm	mm	kg
M12 x 1.25	0690 10 00	15	64	42	.038



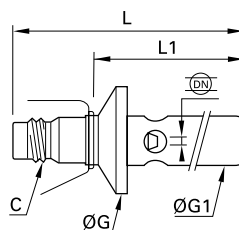
780 NI/min

99 dBA

28°

- High flow for blowing large surfaces
- Air screen effect
- Safety: avoids the nozzle becoming completely blocked

OSHA 1910.242 (b)
2003/10/EC directive:
Requires ear defenders to be used at
all times

0690 11 | safety booster nozzle with air screen

C	Part Number	G	G1	L	L1	
NPT		mm	mm	mm	mm	kg
M12 x 1.25	0690 11 00	30	15	76	54	.046



860 NI/min

99 dBA

26° nozzle
140° screen

- Same advantage as the Booster nozzle
- Safety: avoids the nozzle becoming completely blocked
- Air screen and deflector avoid particles being blown back

OSHA 1910.242 (b)
2003/10/EC directive:
Requires ear defenders to be used at
all times



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Industrial Valves

Universal Series

Universal Series, Vented

Universal Series, Lockable

Universal Light Series

Stainless Steel Series

Mini-Series

LIQUIfit®

TrueSeal™

Par-Barb

Axial Valves



Ball Valves, Universal Series

p. J6-J11

**Fluids:** compressed air, slightly corrosive fluids**Materials:** nickel-plated forged brass**Metric Tube:** 4mm to 40mm**Pressure:** 290 to 580 psi

Vacuum to 40 bar

Temperature: -4° to 176° F (-20° to +80° C)**Ball Valves, Universal Series, Vented**

p. J12

**Fluids:** compressed air, slightly corrosive fluids**Materials:** nickel-plated forged brass**Metric Tube:** 4mm to 23mm**Pressure:** 290 to 580 psi

Vacuum to 40 bar

Temperature: -4° to 176° F (-20° to +80° C)**Ball Valves, Universal Series, Lockable**

p. J13-J14

**Fluids:** compressed air, slightly corrosive fluids**Materials:** nickel-plated forged brass, galvanised steel and epoxy locking system**Metric Tube:** 4mm to 23mm**Pressure:** 290 to 580 psi

Vacuum to 40 bar

Temperature: -4° to 176° F (-20° to +80° C)**Ball Valves, Universal Light Series**

p. J15-J17

**Fluids:** compressed air, slightly corrosive fluids**Materials:** forged brass or nickel-plated forged brass**Metric Tube:** 4mm to 13mm**Pressure:** 174 psi

Vacuum to 12 bar

Temperature: -4° to 176° F (-20° to +80° C)**Butterfly Valves**

p. J17

**Fluids:** compressed air, abrasive fluids**Materials:** nickel-plated brass body, black epoxy coated zamac handle, nitrile seal**Pressure:** 232 psi (16 bar)**Temperature:** -4° to 175° F (-20° to 80° C)**Threads:** 1/4" to 1" BSPP**Ball Valves, Stainless Steel Series**

p. J18-J20

**Fluids:** all fluids**Materials:** 316L stainless steel**Metric Tube:** 8mm to 50mm**Pressure:** 435 psi

Vacuum to 30 bar

Temperature: -4° to 266° F (-20° to +130° C)

Ball Valves, Stainless Steel Light Series

p. J19

**Fluids:** all fluids**Metric Tube:** 4mm to 10mm**Pressure:** 290 psi

Vacuum to 20 bar

Temperature: -4° to 248° F (-20° to +120° C)**Ball Valves, Mini Series**

p. J21-J22

**Fluids:** compressed air**Materials:** reinforced glass filled nylon 6.6**Pressure:** 145 psi

Vacuum to 10 bar

Temperature: -4° to 175° F (-20° to +80° C)**Ball Valves, LIQUIfit®**

p. J26-J28

**Fluids:** water, beverages, CO₂, inert gases**Materials:** polypropylene body, stainless steel gripping ring, EPDM D-seal**Pressure:** 145 psi (10 bar)**Temperature:** +35° to 212° F (+1° to 100° C)**Fractional Tube:** 1/4", 3/8" and 1/2"**Metric Tube:** 6mm, 8mm and 10mm**Ball Valves, TrueSeal**

p. J29-J31

**Fluids:** water, beverages, CO₂, inert gases**Materials:** polypropylene body, stainless steel gripping ring, EPDM D-seal**Pressure:** 145 psi (10 bar)**Temperature:** +35° to 212° F (+1° to 100° C)**Fractional Tube:** 1/4" and 3/8"**Hose Barb:** 1/4", 3/8" and 1/2"**Metric Tube:** 6mm, 8mm and 10mm**Ball Valves, Par-Barb**

p. J32-J33

**Fluids:** water, beverages, CO₂, inert gases**Materials:** polypropylene body, stainless steel gripping ring, EPDM D-seal**Pressure:** 145 psi (10 bar)**Temperature:** +35° to 212° F (+1° to 100° C)**Fractional Tube:** 1/4" and 3/8"**Hose Barb:** 1/4", 3/8" and 1/2"**Metric Tube:** 6mm, 8mm and 10mm**Axial Valves**

p. J34-J38

**Fluids:** compressed air, industrial fluids**Materials:** nickel-plated brass body, FKM O-ring, sintered bronze silencer**Pressure:** 145 psi (10 bar)**Vacuum Capability:** 97.4% (740mm Hg)**Temperature:** 32° to 275° F (0° to +135° C)**Threads:** 3/8" to 2" NPT, BSPP

universal series**4962**NPT
p. J7**4902**BSPP
p. J7**0402**BSPP
p. J8**0446**BSPP
p. J8**0401**BSPP
p. J8**0400**BSPP
p. J8**0472**BSPP
p. J9**0462**BSPP
p. J9**0471**BSPP
p. J9**0461**BSPP
p. J9**0482**BSPP
p. J10**0448**BSPP
p. J10**0452**BSPP
p. J10**0483**BSPP
p. J10**6402**BSPP
p. J11**6401**BSPP
p. J11**0411**

p. J11

**0414**

p. J11

**universal series, vented****0489**NPT
p. J12**0449**BSPP
p. J12**0469**BSPP
p. J12**universal series, lockable****0432**BSPP
p. J13**0438**BSPP
p. J13**0499**NPT
p. J14**0439**BSPP
p. J14**0437**BSPP
p. J14**universal light series****4982**NPT
p. J16**0492**BSPP
p. J16**0491**BSPP
p. J16**0490**BSPP
p. J16**4602**BSPP
p. J17**0497**BSPP
p. J17**0496**BSPP
p. J17

stainless steel**4832**BSPP
p. J19**0465**BSPP
p. J19**4813**NPT
p. J20**4810**BSPP
p. J20**mini series****7913**

p. J25

**7915**NPT
p. J25**7914**BSPP
p. J25**7910**

p. J25

**7911**BSPP
p. J25**LIQUIfit ball valves****VUC**

p. J27

**VFC**

p. J27

**VMC**

p. J27

**VEU**

p. J28

**VFE**

p. J28

**VME**

p. J28

**TrueSeal ball valves****VME**

p. J30

**VFE**

p. J30

**VUC**

p. J30

**VFC**

p. J30

**VEU**

p. J30

**VMC**

p. J31

**VTEU**

p. J31

**SC**

p. J31

**TS**

p. J31

**AQRT**

p. J31

**Par-barb ball valves****VMC**NPTF
p. J33**VFC**NPTF
p. J33**VME**NPTF
p. J33**VFE**NPTF
p. J33**VEU**

p. J33

**VUC**

p. J33

**VUCPB**

p. J33

**axial valves****4203**NPT
p. J36**4202**BSPP
p. J36**4298**subbase
p. J37**4298**

p. J37

**4299**

p. J38





Ball Valves, Universal Series

This range of valves has patented seal wear compensating technology for reliable and durable sealing, protecting any system whether under pressure or vacuum.

Product Features:

Durability & Reliability

- Automatic seal wear compensation for long-term reliability
- Robust, corrosion-resistant materials
- 100% leak-tested in production
- Date coding to guarantee quality and traceability

Versatility & Performance

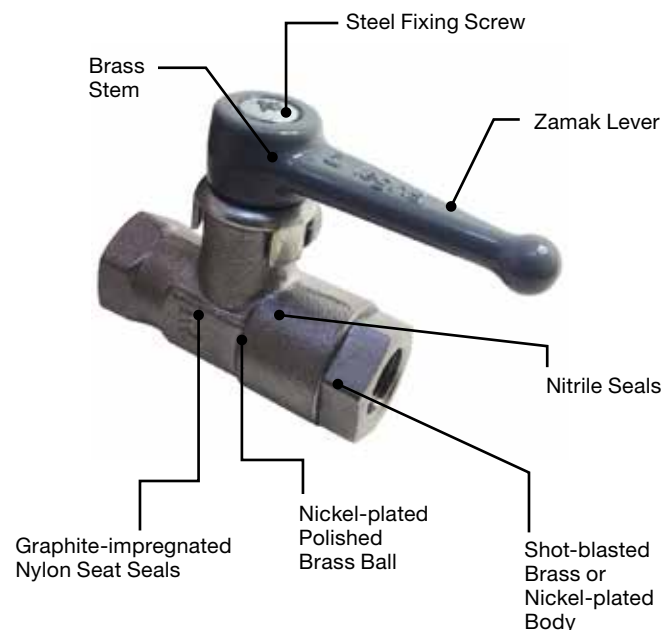
- Ideal for ensuring the performance of pneumatic circuits
- Unequalled performance under vacuum
- Large range of working pressures and temperatures
- Lever can be repositioned and replaced
- Configurations to satisfy all system requirements

Applications:

- Pneumatics
- Vacuum
- Transportation
- Packaging
- Textile
- Sawmills
- Rubber & Plastics

Specifications:

Compatible Fluids	Industrial fluids (See application table on pages J23-J25)
Working Pressure	Vacuum to 580 psi (40 bar)
Working Temperature	-4° to 176° F (-20° to 80° C)

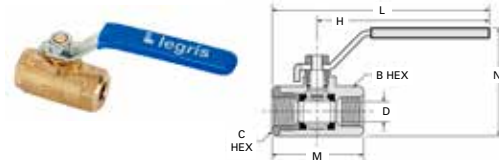


These valves are designed for use where there is a requirement for medium pressure and when the fluid carried requires fluoropolymer seals. It is suitable for many applications, being both high quality and economical.

Materials of Construction:

Body	Forged Brass
Ball	Chrome Plated Brass
Seats/Seals	PTFE
Handle	Steel

4962 double female NPT

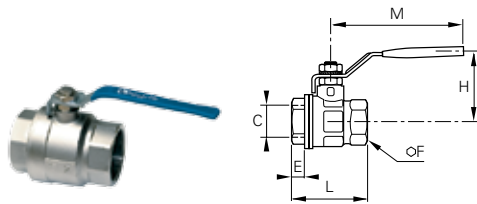


C NPT	B Hex	C Hex	Part Number	D in	H in	L in	M in	N in	oz
1/4	15/16	15/16	4962 60 14	.38	3.96	4.90	2.03	2.47	8.58
3/8	15/16	15/16	4962 60 18	.38	3.96	4.90	2.03	2.47	8.03
1/2	1-1/16	1-1/16	4962 65 22*	.50	3.96	5.00	2.20	2.58	9.39
3/4	1-1/4	1-5/16	4962 70 28**	.69	3.96	5.25	2.42	2.81	11.00
1	1-1/2	1-9/16	4962 75 35**	.88	3.96	5.34	2.75	3.08	11.00
1-1/4	1-15/16	1-1/4	4962 82 43	1.18	3.96	6.21	3.61	2.97	36.21
1-1/2	2-1/8	1-1/2	4962 90 50	1.50	3.96	6.21	4.02	3.21	49.76
2	2-11/16	2-1/8	4962 01 44	1.89	3.96	6.21	4.76	3.40	83.20

* PTF special short

** PTF special extra short

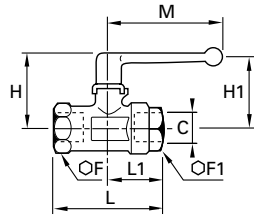
4902 double female BSPP



C BSPP	DN	PN	Part Number	E mm	F mm	H mm	L mm	M mm	kg
G1/4	10	30	4902 10 13	11	20	43	51.5	98	.14
G3/8	10	30	4902 10 17	11.4	20	43	51.5	98	.13
G1/2	15	30	4902 15 21	13.5	25	47	55	98	.20
G3/4	20	30	4902 20 27	12.5	31	58	57.5	122	.32
G1	25	30	4902 25 34	15	38	60	69.5	122	.49
G1-1/4	32	25	4902 32 42	17	48	77	81.5	153	.90
G1-1/2	40	25	4902 40 49	18	54	83	95	153	1.35
G2	50	25	4902 50 48	22	66	95	113	162	1.80

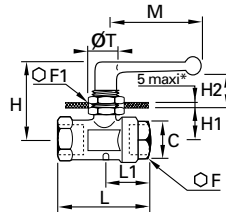


WARNING: These products can expose you to chemicals including CARBON BLACK or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

0402 double female BSPPsand blasted nickel-plated
brass body

C BSPP	DN	Part Number	F mm	F1 mm	H mm	H1 mm	L mm	L1 mm	M mm	kg
G1/8	4	0402 04 10	—	14	35	29	44	25	48	.09
G1/8	7	0402 07 10	19	19	38	31	51	27	48	.17
G1/4	7	0402 07 13	19	19	38	31	53	28	48	.16
G3/8	10	0402 10 17	24	24	45	43	59	31	69	.23
G1/2	13	0402 13 21	27	27	47	44	67	34	69	.29
G3/4	20	0402 20 27	32	38	63	54	80	39	108	.69
G1	23	0402 23 34	41	46	67	57	94	47	108	1.03
G1-1/4	32	0402 32 42	55	60	97	115	112	59	180	2.43
G1-1/2	32	0402 32 49	55	60	97	115	120	62	180	2.28
G1-1/2	40	0402 40 49	55	55	104	—	111	55	190	2.56
G2	40	0402 40 48	70	70	104	—	122	61	190	2.75

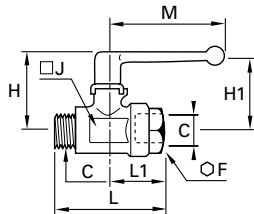
maximum working pressure: 580 psi

0446 double female panel mounted BSPPsand blasted nickel-plated
brass body

C BSPP	DN	Part Number	F mm	F1 mm	H mm	H1 mm	H2 mm	L mm	L1 mm	M mm	T mm	kg
G1/8	4	0446 04 10	14	22	37	14	12	44	25	48	16.5	.10
G1/4	7	0446 07 13	19	24	45	19	14	53	28	48	20.5	.19
G3/8	10	0446 10 17	24	27	50	21	21	59	31	69	20.5	.29
G1/2	13	0446 13 21	27	27	51	21	21	67	34	69	20.5	.34

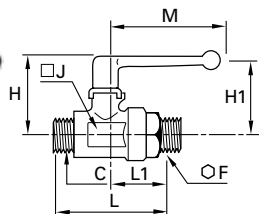
maximum working pressure: 290 psi

for model G 1/8, maximum panel thickness = 3mm (.118 in)

0401 male/female BSPPsand blasted nickel-plated
brass body

C BSPP	DN	Part Number	F mm	H mm	H1 mm	J mm	L mm	L1 mm	M mm	kg
G1/8	4	0401 04 10	14	35	29	14	45	25	48	.09
G1/8	5	0401 05 10	19	38	31	19	51	27	48	.16
G1/4	7	0401 07 13	19	38	31	19	52	28	48	.15
G3/8	10	0401 10 17	24	45	43	24	58	31	69	.23
G1/2	13	0401 13 21	27	47	44	27	66	34	69	.29
G3/4	18	0401 18 27	38	63	54	39	79	39	108	.71
G1	23	0401 23 34	46	67	57	48	91	47	108	1.03
G1-1/4	32	0401 32 42	60	97	115	55	113	59	180	2.37

maximum working pressure: 580 psi

0400 double male BSPPsand blasted nickel-plated
brass body

C BSPP	DN	Part Number	F mm	H mm	H1 mm	J mm	L mm	L1 mm	M mm	kg
G1/8	4	0400 04 10	14	35	29	14	45	25	48	.09
G1/4	7	0400 07 13	19	38	31	19	60	36	48	.16
G3/8	10	0400 10 17	24	45	43	24	70	43	69	.25
G1/2	13	0400 13 21	27	47	44	27	78	45	69	.33
G3/4	18	0400 18 27	38	63	54	39	90	50	108	.77

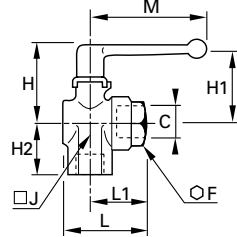
maximum working pressure: 580 psi



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0472 double female BSPP

sand blasted
nickel-plated brass body

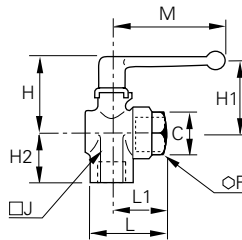


C BSPP	DN	Part Number	F mm	H mm	H1 mm	H2 mm	J mm	L mm	L1 mm	M mm	kg
G1/8	4	0472 04 10	14	35	29	18	14	34	25	48	.10
G1/8	6	0472 06 10	19	38	31	20	22	37	27	48	.19
G1/4	6	0472 06 13	19	38	31	24	22	38	28	48	.29
G3/8	9	0472 09 17	24	45	43	27	25	46	31	69	.34
G1/2	12	0472 12 21	27	47	44	33	29	49	34	69	.34
G3/4	18	0472 18 27	38	59	51	40	39	60	39	108	.34
G1	23	0472 23 34	46	63	55	47	48	72	47	108	.34

maximum working pressure: 290 psi

0462 double female with vent BSPP

sand blasted
nickel-plated brass body
+ red handle

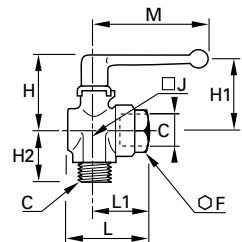


C BSPP	DN	Part Number	F mm	H mm	H1 mm	H2 mm	J mm	L mm	L1 mm	M mm	kg
G1/8	6	0462 06 10	19	38	31	20	22	37	27	48	.18
G1/4	6	0462 06 13	19	38	31	24	22	38	28	48	.18
G3/8	9	0462 09 17	24	45	43	27	25	46	31	69	.27
G1/2	12	0462 12 21	27	47	44	33	29	49	34	69	.31
G3/4	18	0462 18 27	38	59	51	40	39	60	39	108	.73
G1	23	0462 23 34	46	63	55	47	48	72	47	108	1.05

maximum working pressure: 290 psi

0471 male and female BSPP

sand blasted
nickel-plated brass body

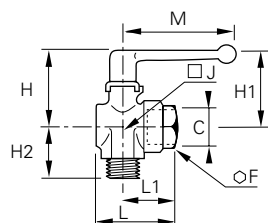


C BSPP	DN	Part Number	F mm	H mm	H1 mm	H2 mm	J mm	L mm	L1 mm	M mm	kg
G1/8	4	0471 04 10	14	35	29	19	14	34	25	48	.10
G1/8	6	0471 06 10	19	38	31	20	22	37	27	48	.17
G1/4	6	0471 06 13	19	38	31	24	22	38	28	48	.17
G3/8	9	0471 09 17	24	45	43	27	25	46	31	69	.26
G1/2	12	0471 12 21	27	47	44	33	29	49	34	69	.31
G3/4	18	0471 18 27	38	59	51	40	39	60	39	108	.72
G1	23	0471 23 34	46	63	55	47	48	72	47	108	1.02

maximum working pressure: 290 psi

0461 male and female with vent BSPP

sand blasted
nickel-plated brass body
+ red handle

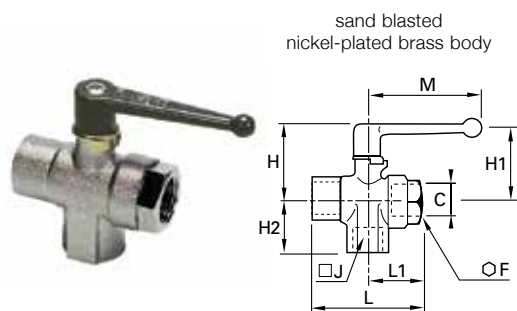


C BSPP	DN	Part Number	F mm	H mm	H1 mm	H2 mm	J mm	L mm	L1 mm	M mm	kg
G1/8	6	0461 06 10	19	38	31	22	22	37	27	48	.17
G1/4	6	0461 06 13	19	38	31	25	22	38	28	48	.17
G3/8	9	0461 09 17	24	45	43	28	25	46	31	69	.26
G1/2	12	0461 12 21	27	47	44	32	29	49	34	69	.31
G3/4	18	0461 18 27	38	59	51	37	39	60	39	108	.70

maximum working pressure: 290 psi

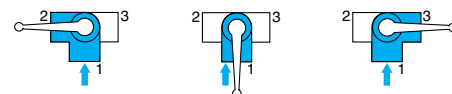


WARNING: These products can expose you to chemicals including CARBON BLACK or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

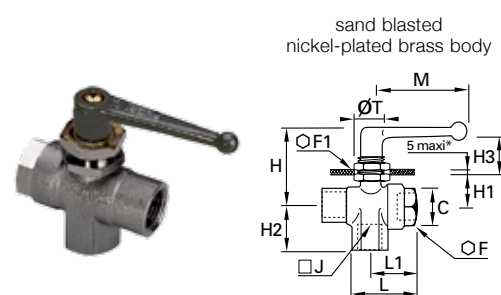
0482 female right angled porting BSPP

C BSPP	DN	Part Number	F mm	H mm	H1 mm	H2 mm	J mm	L mm	L1 mm	M mm	kg
G1/8	4	0482 04 10	14	35	29	18	14	44	25	48	.11
G1/4	6	0482 06 13	19	38	31	24	22	53	28	48	.19
G3/8	9	0482 09 17	24	45	43	27	25	59	31	69	.26
G1/2	12	0482 12 21	27	47	44	33	29	67	34	69	.35
G3/4	18	0482 18 27	38	59	51	40	39	80	39	108	.39
G1	23	0482 23 34	46	63	55	47	48	94	47	108	1.17

maximum working pressure: 290 psi



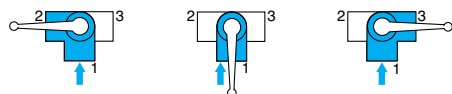
CLOSED

0448 panel mountable female right angled porting BSPP

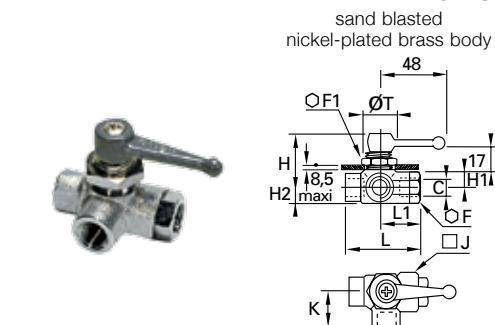
C BSPP	DN	Part Number	F mm	F1 mm	H mm	H1 mm	H2 mm	H3 mm	J mm	L mm	L1 mm	M mm	T mm	kg
G1/8	4	0448 04 10	14	22	37	14	18	12	14	44	25	48	16.5	.12
G1/4	6	0448 06 13	19	24	45	19	24	14	22	53	28	48	20.5	.22
G3/8	9	0448 09 17	24	27	50	21	27	21	25	59	31	69	20.5	.32
G1/2	12	0448 12 21	27	27	51	23	33	21	29	67	34	69	20.5	.40

maximum working pressure: 290 psi

* G1/8 version: maximum panel thickness = 3mm (.118 in)

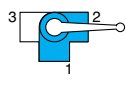
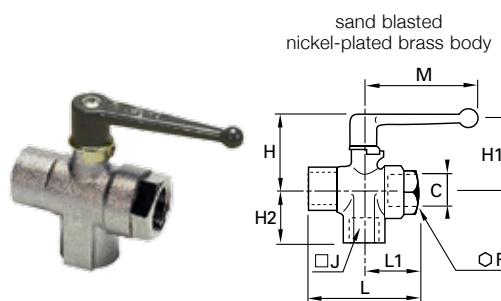


CLOSED

0452 panel mountable female equal plane porting BSPP

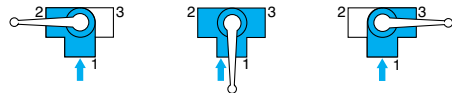
C BSPP	DN	Part Number	F mm	F1 mm	H mm	H1 mm	H2 mm	J mm	K mm	L mm	L1 mm	T mm	kg
G1/8	4	0452 04 10	14	22	39	10	8	16	18	44	25	19	.32
G1/4	6	0452 06 13	19	24	40	11	11	23	24	53	28	20	.30

maximum working pressure: 290 psi

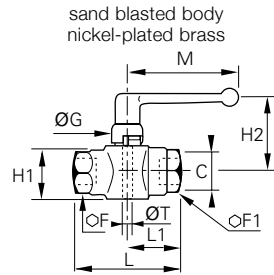
**0483 female right angled porting without closed position BSPP**

C BSPP	DN	Part Number	F mm	H mm	H1 mm	H2 mm	J mm	L mm	L1 mm	M mm	kg
G1/8	4	0483 04 10	14	35	29	18	14	44	25	48	.10
G1/4	6	0483 06 13	19	38	31	24	22	53	28	48	.19
G3/8	9	0483 09 17	24	45	43	27	25	59	31	69	.28
G1/2	12	0483 12 21	27	47	44	33	29	67	34	69	.35
G3/4	18	0483 18 27	38	59	51	40	39	80	39	108	.71
G1	23	0483 23 34	46	63	55	47	48	94	47	108	1.09

maximum working pressure: 290 psi

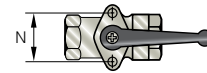


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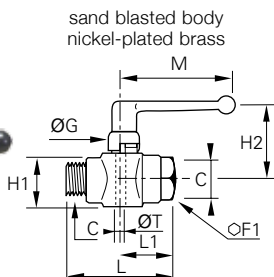
6402 double female BSPP

C BSPP	DN	Part Number	E mm	F mm	F1 mm	G mm	H1 mm	H2 mm	L mm	L1 mm	M mm	T mm	kg
G1/8	4	6402 04 10	8	14	14	18	18	30	44	25	48	4x70	.13
G1/4	7	6402 07 13	12	19	19	19	24	31	53	28	48	5x80	.22
G3/8	10	6402 10 17	12	24	24	20	30	45	59	31	69	5x80	.32
G1/2	13	6402 13 21	15	27	27	20	34	47	67	34	69	6x100	.39
G3/4	20	6402 20 27	16.5	32	38	27	44	52	80	39	108	8x125	.82
G1	23	6402 23 34	19	41	46	27	53	56	94	47	108	8x125	1.25

maximum working pressure: 580 psi (40 bar)



C	G1/8	G1/4	G3/8	G1/2	G3/4	G1
N (mm)	25	31	31	34	43	51

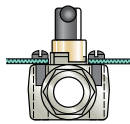
6401 male and female BSPP

C BSPP	DN	Part Number	E mm	E1 mm	F mm	G mm	H1 mm	H2 mm	L mm	L1 mm	M mm	T mm	kg
G1/8	4	6401 04 10	8	7	14	18	18	30	45	25	48	4x70	.13
G1/4	7	6401 07 13	12	9	19	19	24	31	52	28	48	5x80	.22
G3/8	10	6401 10 17	12	11	24	20	30	45	58	31	69	5x80	.32
G1/2	13	6401 13 21	15	15	27	20	34	47	67	34	69	6x100	.39

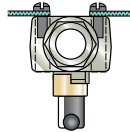
maximum working pressure: 580 psi (40 bar)



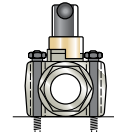
C	G1/8	G1/4	G3/8	G1/2	G3/4	G1
N (mm)	25	31	31	34	43	51

Different methods of mounting

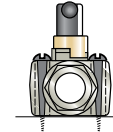
screw fixed mounting on a metal bulkhead with handle above the bulkhead



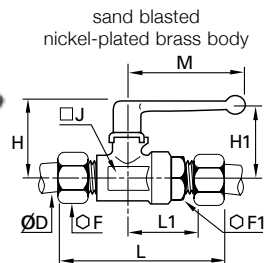
screw fixed mounting on a metal bulkhead with the complete valve below the bulkhead



tapped fixing mounting onto a metal plate

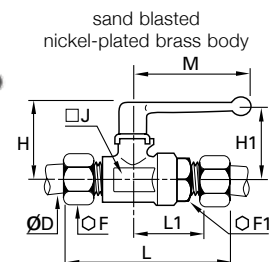


wood screw fixed mounting onto a wooden panel

0411 in-line with tube couplings fitted for use with steel tube

ØD	DN	Part Number	F mm	F1 mm	H mm	H1 mm	J mm	L mm	L1 mm	M mm	kg
6	4	0411 04 06	14	19	38	31	19	76	30	48	.073
8	6	0411 06 08	17	19	38	31	19	77	30	48	.095
10	7	0411 07 10	19	19	38	31	19	78	31	48	.100
12	10	0411 10 12	22	24	45	43	24	85	36	69	.110

maximum working pressure: 580 psi (40 bar)

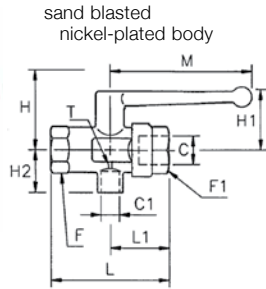
0414 in-line with tube couplings fitted with double taper rings

ØD	DN	Part Number	F mm	F1 mm	H mm	H1 mm	J mm	L mm	L1 mm	M mm	kg
6	4	0414 04 06	13	19	38	31	19	72	31	48	.177
8	6	0414 06 08	14	19	38	31	19	74	30	48	.180
10	7	0414 07 10	19	19	38	31	19	78	31	48	.210
12	10	0414 10 12	22	24	45	43	24	86	36	69	.308

maximum working pressure: 580 psi (40 bar)

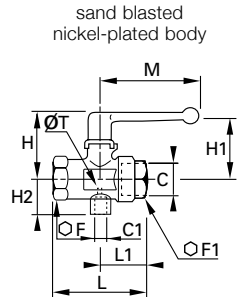


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**0489 double female vented ball valve NPT**

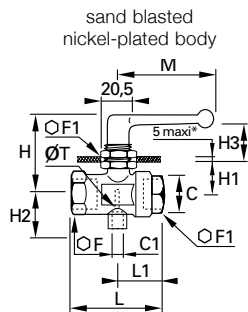
C	DN	Part Number	C1	F	F1	H	H1	H2	L	L1	M	T	kg
NPT			in	in	in	in	in	in	in	in	in	in	oz
1/4	.27	0489 07 14	10-32	.94	.94	1.79	1.68	.66	2.30	1.21	2.69	.08	9.50
3/8	.39	0489 10 18	10-32	.94	.94	1.79	1.68	.66	2.30	1.21	2.69	.08	10.38
1/2	.51	0489 13 22	1/8	1.05	1.05	1.83	1.72	.94	2.61	1.33	2.69	.08	11.01
1	.90	0489 23 35	1/4	1.60	1.79	2.61	2.22	1.44	3.67	1.83	4.21	.12	38.41

maximum working pressure: 580 psi

**0489 double female vented ball valve BSPP**

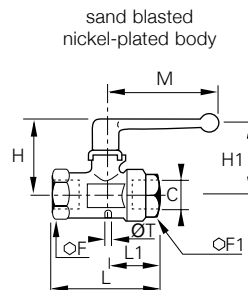
C	DN	Part Number	C1	F	F1	H	H1	H2	L	L1	M	T	kg
BSPP			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
G1/4	7	0489 07 13	M5x0.8	24	24	46	43	17	59	31	69	2	.27
G3/8	10	0489 10 17	M5x0.8	24	24	46	43	17	59	31	69	2	.29
G1/2	13	0489 13 21	G1/8	27	27	47	44	24	67	34	69	2	.31
G3/4	18	0489 18 27	G1/4	32	38	63	54	33	80	39	108	2.5	.75
G1	23	0489 23 34	G1/4	41	46	67	57	37	94	47	108	3	1.09

maximum working pressure: 580 psi

**0449 double female ball valve, panel mounted BSPP**

C	DN	Part Number	C1	F	F1	H	H1	H2	H3	L	L1	M	T	kg
BSPP			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
G1/4	7	0449 07 13	M5x0.8	24	27	50	20	17	21	59	31	69	2.5	.27
G3/8	10	0449 10 17	M5x0.8	24	27	50	20	17	21	59	31	69	2.5	.29
G1/2	13	0449 13 21	G1/8	27	27	52	23	24	21	67	34	69	4	.31

maximum working pressure: 290 psi

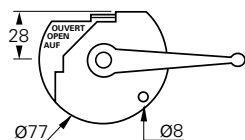
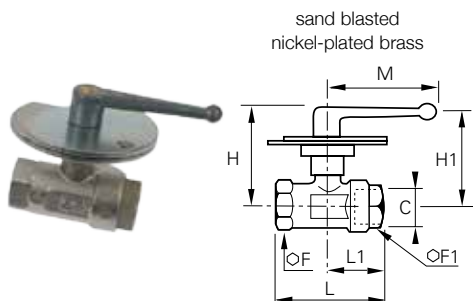
**0469 double female vented ball valve BSPP**

C	DN	Part Number	F	F1	H	H1	L	L1	M	T	kg
BSPP			mm	mm	mm	mm	mm	mm	mm	mm	mm
G1/8	4	0469 04 10	—	14	35	29	44	25	48	1.5	.10
G1/4	7	0469 07 13	24	24	46	43	59	31	70	2	.26
G3/8	10	0469 10 17	24	24	46	43	59	31	70	2	.25
G1/2	13	0469 13 21	27	27	47	44	67	34	70	2	.29
G3/4	18	0469 18 27	32	38	63	54	80	39	108	2.5	.70
G1	23	0469 23 34	41	46	67	57	94	47	108	3	1.02

maximum working pressure: 580 psi



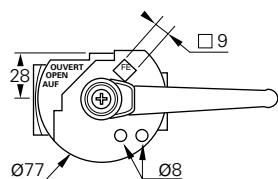
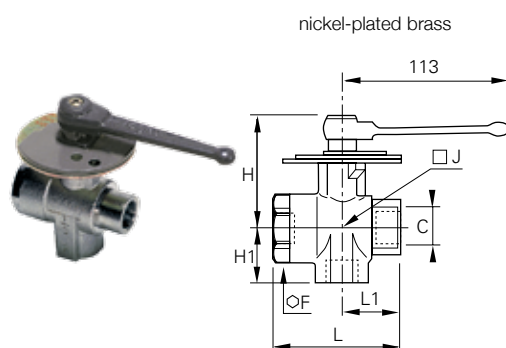
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0432 in-line double female BSPP

both fixed and moveable plates
are zinc plated steel

C BSPP	DN	Part Number	E mm	F mm	F1 mm	H mm	H1 mm	L mm	L1 mm	M mm	kg
G1/8	4	0432 04 10	8	19	19	59	54	51	27	69	.41
G1/4	7	0432 07 13	12	19	19	59	54	59	28	69	.40
G3/8	10	0432 10 17	12	24	24	60	55	59	31	69	.46
G1/2	13	0432 13 21	15	27	27	62	57	67	34	69	.52
G3/4	20	0432 20 27	16.5	32	38	66	56	80	39	108	.85
G1	23	0432 23 34	19	41	46	70	59	94	47	108	1.17

maximum service pressure: 580 psi
handle is non-removable

0438 female 3 way lockable ball valve BSPP

fixed plate: zinc plated steel
moveable plate: steel, grey
epoxy coated

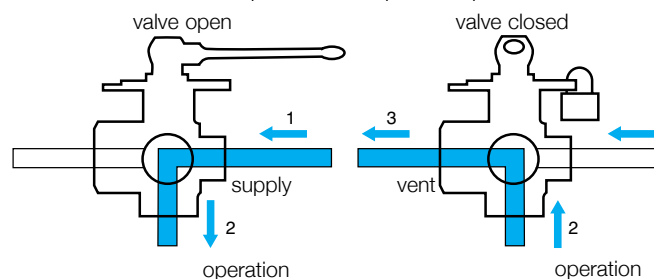
C BSPP	DN	Part Number	E mm	F mm	H mm	H1 mm	J mm	L mm	L1 mm	kg
G3/8	9	0438 09 17	12	38	76	34	39	73	35	.91
G1/2	12	0438 12 21	15	38	76	37	39	78	38	.90
G3/4	18	0438 18 27	16.5	38	76	40	39	80	40	.85
G1	23	0438 23 34	19	46	80	47	48	94	47	1.27

maximum working pressure: 290 psi

These valves are lockable in the closed position only.

Right angle ported ball allows flow:

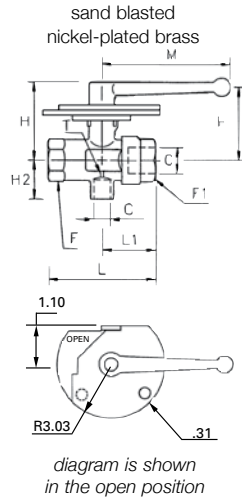
Port 1 to port 2 or from port 2 to port 3



removable handle: where the handle is obstructed in its movement it can be refitted opposite the original position.

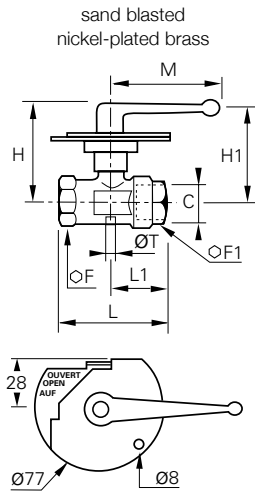


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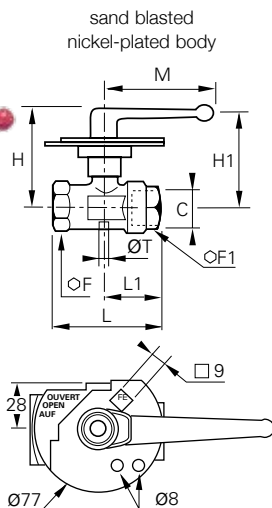
**0499 double female lockable vented ball valve NPT**

C NPT	DN	Part Number	C1 in	F in	F1 in	H in	H1 in	H2 in	L in	L1 in	M in	T in	oz
3/8	.89	0499 10 18	10-32	.94	.94	1.79	1.68	.66	2.30	1.21	2.69	.08	11.71
1/2	.51	0499 13 22	1/8	1.05	1.05	1.83	1.72	.94	2.61	1.33	2.69	.08	11.39
3/4	.70	0499 18 28	1/4	1.25	1.25	2.46	2.11	1.29	3.12	1.52	4.21	.10	26.95
1	.90	0499 23 35	1/4	1.60	1.60	2.61	2.22	1.44	3.67	1.83	4.21	.12	38.74

These ball valves are OSHA approved

**0439 double female with vent BSPP**

C BSPP	DN	Part Number	E mm	F mm	F1 mm	H mm	H1 mm	L mm	L1 mm	M mm	T mm	kg
G1/8	4	0439 04 10	8	19	19	59	54	51	27	69	2	.42
G1/4	7	0439 07 13	12	24	24	60	55	59	31	69	2	.48
G3/8	10	0439 10 17	12	24	24	60	55	59	31	69	2	.46
G1/2	13	0439 13 21	15	27	27	62	57	67	34	69	2	.51
G3/4	18	0439 18 27	16.5	32	38	66	56	80	39	108	2.5	.83
G1	23	0439 23 34	19	41	46	70	59	94	47	108	3	1.17

maximum service pressure: 580 psi
handle is non-removableboth fixed and moveable plates
are zinc-plated steel**0437 in-line double female vented lockable ball valve BSPP**

C BSPP	DN	Part Number	E mm	F mm	F1 mm	H mm	L mm	L1 mm	M mm	T mm	kg
G1/4	7	0437 07 13	12	24	24	60	59	32	69.5	2	.40
G3/8	10	0437 10 17	12	24	24	60	60	32	69.5	2	.46
G1/2	13	0437 13 21	15	27	27	60	67.5	34.5	69.5	2	.52
G3/4	18	0437 18 27	16.5	32	38	69.5	80	39.5	108.5	2.5	.85
G1	23	0437 23 34	19	41	46	70	94.5	47.5	108.5	3	1.17

maximum working pressure: 580 psi
handle is non-removablelocking plates are
zinc-plated steel**WARNING:** These products can expose you to chemicals including CARBON BLACK or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Universal Light Series

Using the Universal Light Series technology, the Parker Legris light series valves offer the advantages of compactness, ease of operation and long-term reliability.

Product Features:

Easy-to-Use

- Ease of operation due to the low friction design
- The short levers may be repositioned and exchanged
- Extremely compact

Maximum Efficiency

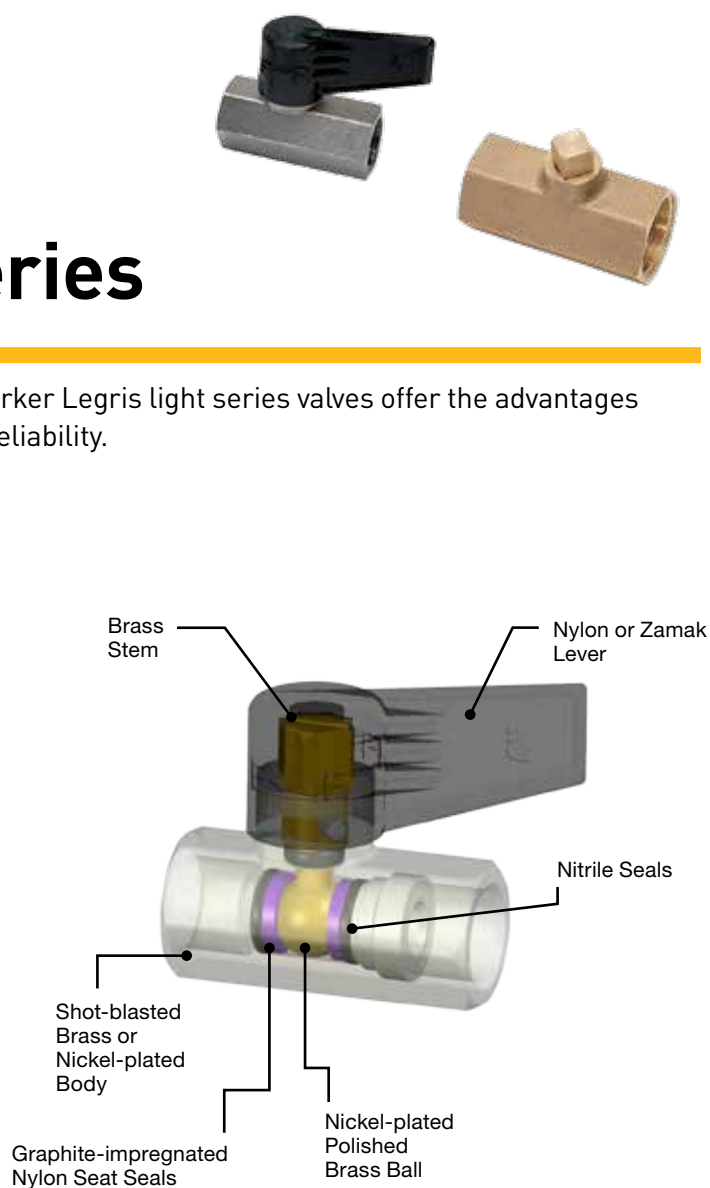
- Excellent performance under vacuum
- Full flow
- Chemical nickel-plated brass with high phosphorous content for outstanding corrosion resistance

Reliability

- Tried-and-tested technology
- Forged brass provides mechanical strength and long service life
- 100% leak-tested in production
- Date coding to guarantee quality and traceability

Applications

- Vacuum
- Transportation
- Packaging
- Textile
- Sawmills
- Rubber & Plastics



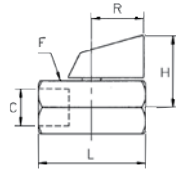
This **economy ball valve** is designed for use where there is a requirement for medium pressure. For industrial fluids such as air, water and oil.

Technical Specifications:

Maximum Working Pressure 450 psi (31 bar)

Working Temperature 0° to 200° F (-17° to 93° C)

4982 double female NPT



nickel-plated brass body
nylon handle

C NPT	DN	Part Number	L in	R in	H in	F in	oz
1/8	.24	4982 58 11	1.71	.81	1.22	.83	3.50
1/4	.31	4982 58 14	1.71	.81	1.22	.83	3.85
3/8	.31	4982 58 18	1.71	.81	1.22	.83	3.50
1/2	.39	4982 60 22	2.11	.81	1.30	.98	4.90

Silicone-Free

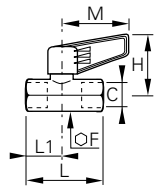
Light Series Ball Valves allow the passage of many fluids and are suited to high pressures and temperatures. Their materials of construction are the same as for the standard range.

Technical Specifications:

Maximum Working Pressure 175 psi (12 bar)

Maximum Temperature -4° to 176° F (-20° to 80° C)

0492 double female BSPP

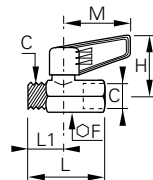


nickel-plated brass body
polymer HR handle

C BSPP	DN	Part Number	E mm	F mm	H mm	L mm	L1 mm	M mm	kg
G1/4	4	0492 04 13	9	17	34	39.5	17	35	.07
G1/4	4	0492 04 13 64*	9	17	36	39.5	17	25	.07
G3/8	7	0492 07 17	11	22	38	45	20	43	.12
G1/2	10	0492 10 21	12	24	44	54	25	50	.16
G3/4	13	0492 13 27	14	30	46	62	28	50	.24

* Zamac short handle

0491 male and female BSPP

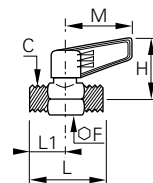


nickel-plated brass body
polymer HR handle

C BSPP	DN	Part Number	E mm	E1 mm	F mm	H mm	L mm	L1 mm	M mm	kg
G1/4	4	0491 04 13	9	7	17	34	39.5	17	35	.07
G1/4	4	0491 04 13 64*	9	7	17	36	39.5	17	25	.07
G3/8	7	0491 07 17	11	8	22	38	45	20	43	.12
G1/2	10	0491 10 21	12	10	24	44	53	24	50	.15
G3/4	13	0491 13 27	14	12	30	46	59	25	50	.23

* Zamac short handle

0490 male and female BSPP



nickel-plated brass body
polymer HR handle

C BSPP	DN	Part Number	E mm	F mm	H mm	L mm	L1 mm	M mm	kg
G1/4	4	0490 04 13	9	17	34	39	17	35	.07
G3/8	7	0490 07 17	11	22	38	44	20	43	.11
G1/2	10	0490 10 21	12	24	44	53	24	50	.15
G3/4	13	0490 13 27	14	30	46	59	25	50	.22



WARNING: These products can expose you to chemicals including CARBON BLACK or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

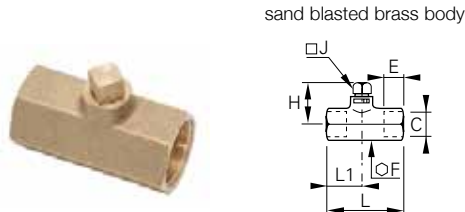
Light series ball valves are usable for the passage of fluids at low pressure and temperatures.

Technical Specifications:

Maximum Working Pressure 174 psi (12 bar)

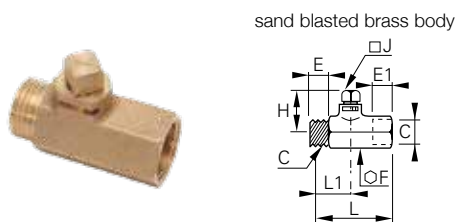
Maximum Working Temperature -4° to 176° F (-20° to 80° C)

0497 | double female with square stem BSPP



C BSPP	DN	Part Number	E mm	F mm	H mm	L mm	L1 mm	M mm	kg
G1/4	4	0497 04 13	9	17	25	7	39	17	.07
G3/8	7	0497 07 17	11	22	26	7	45	20	.11
G1/2	10	0497 10 21	12	24	29	10	54	25	.14
G3/4	13	0497 13 27	14	30	30	10	62	28	.23

0496 | male and female with square stem BSPP



C BSPP	DN	Part Number	E mm	F mm	H mm	L mm	L1 mm	M mm	kg
G1/4	4	0496 04 13	9	17	25	7	39	17	.07
G3/8	7	0496 07 17	11	22	26	7	45	20	.10
G1/2	10	0496 10 21	12	24	29	10	53	24	.14
G3/4	13	0496 13 27	14	30	30	10	59	25	.22

The internal component used to shut-off the flow of **Legris lenticular shut-off valves** is a segment of a sphere. Therefore, these valves are usable with abrasive fluids (including solid particles). Lenticular valves can only accommodate fluid flow in one direction. The fluid direction is shown by an arrow on the valve body. The main advantages of this range are low operating torque even with high fluid pressure due to small friction coefficient of lenticule on the ball seal, perfect sealing, small overall dimensions and long life.

Technical Specifications:

Maximum Working Pressure 232 psi (16 bar)

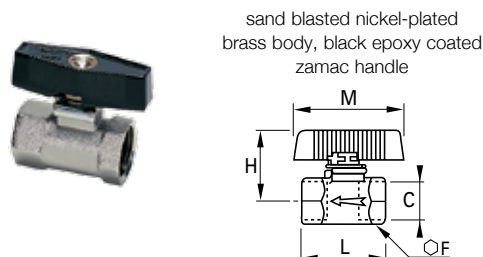
Working Temperature -4° to 174° F (-20° to 80° C)

Compatible Fluids Compressed air, industrial gas, water, cutting oil, mineral oil, fuel, inert gases, solid particles

Lenticule Stainless Steel

Seal Nitrile

4602 | double female BSPP



C BSPP	Part Number	E mm	F mm	H mm	L mm	M mm	kg
G1/4	4602 06 14	9	17	35	34	54	.10
G3/8	4602 07 17	11	22	35	39	54	.14
G1/2	4602 10 21	12	24	37	42	54	.14
G1/4	4602 13 27	14	30	40	49	54	.21
G1	4602 18 34	15	41	46	55	54	.41



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Ball Valves, Stainless Steel Series



Stainless steel series ball valves can withstand corrosive fluids and environments. With full flow, high pressure and temperature capabilities, these valves are suitable for many applications.

Product Advantages:

Reliability

- Full Flow
- Excellent chemical compatibility
- High resistance to pressure/temperature
- Light series version: 100% leak-tested in production, date coding to guarantee quality and traceability

Versatility

Three in-line versions:

- One-piece: cannot be disassembled
- 3-piece: easily disassembled for maintenance and cleaning
- Light Series: for maximum compactness

Fixing Plate: 4813 and 4832

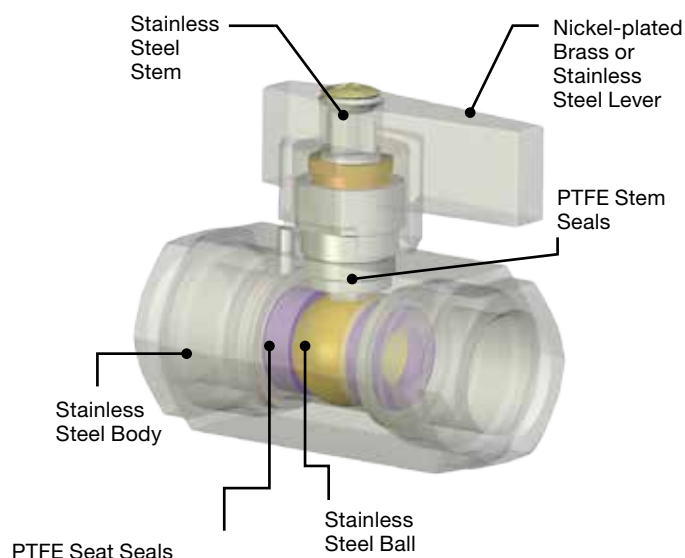
- Through-bulkhead fitting
- Pneumatic or electronic actuation (ISO 5211 standard)

Applications:

- Food Process
- Aviation
- Chemical
- Semi-Conductors
- Medical
- Petrochemical
- Laboratories
- Pharmaceutical

Specifications:

	Type 4810, 4812, 4832	Type 0465
Compatible Fluids	All fluids	All fluids
Working Pressure	0 to 943 psi (0 to 65 bar)	Vacuum to 290 psi (20 bar)
Working Temperature	-4° to 302° F (-20° to 150° C)	-4° to 248° F (-20° to 120° C)



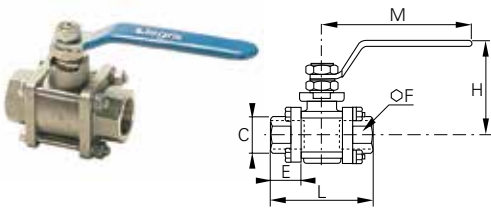
Stainless Steel Series Ball Valves

Stainless steel series ball valves are designed for use with corrosive fluids and in aggressive environments. Full bore, their three-piece construction allows the valve to be disassembled laterally, to facilitate maintenance. They are suitable for higher pressure and temperature applications.

Materials of Construction:

Body, Ball, Ports, Stem	Stainless Steel AISI 316
Handle, Lock Washer, Stop Pin	Stainless Steel AISI 304
Nuts, Packing Washer	Stainless Steel AISI 303
Screw	Stainless Steel AISI 305
Ball Seal, Stem Seal, Anti-friction Washer	PTFE
O-ring	FKM

4832 3 piece double female with lateral dismantling BSPP



C BSPP	DN	Part Number	PN bar	E mm	F mm	H mm	L mm	M mm	kg
G1/4	10	4832 10 13	64	13	22	50	57	110	.43
G1/2	15	4832 15 21	64	15	27	65	65	130	.37
G3/4	20	4832 20 27	40	16.3	32	70	77	130	.56
G1	25	4832 25 34	40	19.1	41	79	92	170	1.04
G1-1/4	32	4832 32 42	25	21.4	50	83	106	170	1.47
G1-1/2	40	4832 40 49	25	21.4	55	100	115	250	2.00
G2	50	4832 50 48	25	25.7	70	107	136	250	3.14

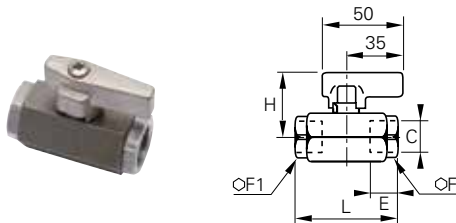
Compact Stainless Steel Ball Valves

Designed for use with many aggressive and corrosive fluids at pressures not exceeding 290 psi.

Materials of Construction:

Body, Ball, Ports, Stem	Stainless Steel AISI 18/10
Handle	Nickel-plated Brass
O-ring, Stem Seal, Ball Seal	Stainless Steel AISI 303
O-ring	PTFE

0465 double female vented ball valve BSPP



C BSPP	DN	PN	Part Number	E mm	F mm	F1 mm	H mm	L mm	kg
G1/4	4	30	0465 04 13	13	19	24	36	50	.22
G3/8	7	30	0465 07 17	13	24	27	39	55	.28
G1/2	10	30	0465 10 21	16	27	30	40	62	.32



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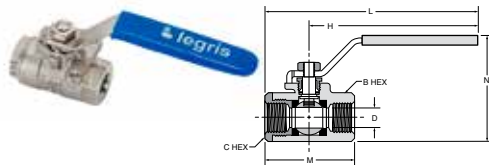
Stainless Steel Series Ball Valves

Stainless steel series ball valves are designed for use with corrosive fluids and in aggressive environments. The full bore and one piece construction in stainless steel, ideal for higher pressure and temperature applications. Therefore, they can be used for a wide range of industrial applications.

Materials of Construction:

Body	CF-8M Stainless Steel
Ball	Stainless Steel
Seats/Seals	PTFE
Handle	Stainless Steel

4813 female pipe NPT

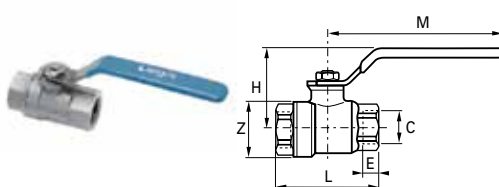


C NPT	B/C Hex	Part Number	H in	L in	M in	N in	Panel Flow Dia. D	Hole Dia.	oz
1/4	15/16	4813 08 14	4	5.03	2.07	2.52	.38	1.12	1.14
3/8	15/16	4813 10 18	4	5.03	2.07	2.52	.38	1.12	9.12
1/2	1-1/16	4813 15 22	4	5.13	2.27	2.65	.50	1.12	10.14
3/4	1-3/8	4813 20 28	5	6.67	3.35	3.46	.79	1.50	24.80
1	1-5/8	4813 25 35	5	6.77	3.54	3.74	1.00	1.50	33.12

Materials of Construction:

Body, Ball, Ports, Stem	Stainless Steel AISI 316L
Handle, Lock Washer, Stop Pin	Stainless Steel AISI 304L
Nuts, Gland Seal	Stainless Steel AISI 303L
Screw	Stainless Steel AISI 305
Ball Seal, Stem Seal, Anti-friction Washer	PTFE
O-ring	FKM

4810 double female BSPP



C BSPP	DN	Part Number	PN bar	E mm	H mm	L mm	M mm	kg
G1/4	8	4810 08 13	64	10	44.5	53.5	110.5	.22
G3/8	10	4810 10 17	64	10	44.5	53.5	110.5	.20
G1/2	15	4810 15 21	64	13	47	60	110.5	.25
G3/4	20	4810 20 27	40	14	54.5	70	131.5	.45
G1	25	4810 25 34	40	17	58.5	79	131.5	.85



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The chart below shows the compatibility between valves and fluids along with their pressure and temperature characteristics.

Certain models have a maximum working pressure which differs from that given in this table. In this case, the pressure is shown in the heading for the model number in question.

N.B.: Above 32 mm or 1¼" diameters, divide the maximum pressure by 2.

If the fluid you are using is not shown in this chart, please contact us.

Chemical Description	Maximum Pressure (bar)	Temperature °C		Universal and Light Series	Standard Series	DVGW series	Customised Series					
		Min.	Max.				20	22	26	27	30	32
"Aromatic" hydrocarbons	20	-20	+60					●				
Acetone and other ketones	20	-20	+60									●
Acetophenone	20	-20	+60									●
Acetylene - Acetone	20	-20	+60									●
Acetylene (gas)	20	-20	+60	●	●	●						
Alcohol (100%)	20	-20	Boiling									●
Aluminium (liquid suspension, thick)	40	-20	+90	●	●	●						
Amyl alcohol	20	-20	Boiling									●
Animal fats, greases	20	+5	+200		●	●			●			
Antifreeze or glycol (diluted)	40	-20	+40	●	●	●						
Argon (gas) Ar	20	-20	+60	●	●	●						
Barium - Hydroxide	20	-20	+40									●
Benzaldehyde	20	-20	+60									●
Benzene	20	-20	+60					●				
Benzyl alcohol	20	-20	Boiling					●				
Borax (pastes or solutions)	20	-20	+60									●
Brake fluids (automobile)	20	-20	+90									●
Bromochlorotrifluorethane	20	-20	+60		●	●			●			
Butadiene (hydrocarbon)	20	-20	+60							●		
Butane	20	-20	+60	●	●	●						
Butanol	20	-20	Boiling					●				
Butyl alcohol	20	-20	Boiling					●				
Butylene (hydrocarbon)	20	-20	+60					●				
Carbon dioxide gas CO ₂	40	-20	+60	●	●							
Castor oil	40	-20	+90	●	●							
Compressed air	20	-25	+180					●				
Creosotes	20	-20	+60							●		
Cresols	20	-20	+60							●		
Crude oil	20	-20	+40				●					
Cutting oil	40	-20	+90	●	●							
Decalin (hydrocarbon, solvent)	20	-20	+60							●		
Detergents (solutions)	20	-20	+100									●
Diacetone alcohol	20	-20	Boiling									●
Diesel oils	40	-20	+90	●	●							
Di-Esters	20	-20	+90					●				
Di-Isobutylene	20	-20	+60							●		
Di-Pentane	20	-20	+60					●				

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

Chemical Description	Max. Pressure (bar)	Temperature °C		Universal and Light Series	Standard Series	DVGW Series	Customised Series					
		Min.	Max.				20	22	26	27	30	32
Di-Pentene (solvents, varnish)	20	-20	+60					●				
Di-Phenyl-Oxide (thin detergents)	20	-20	+60							●		
Distilled water	40		+90	●	●	●						
Edible fats	20	+5	+200		●				●			
Edible oils	20	+5	+200		●				●			
Erytrene (see Butadiene)	20	-20	+60							●		
Ethane (gas) CH ₂ CH ₃	20	-20	+60	●	●							
Ethane (hydrocarbon gas)	20	-20	+60							●		
Ethyl alcohol	20	-20	+60									●
Ethylene glycol (antifreeze) - see Glycols	20	-20	+120									●
Fatty alcohols	20	-20	Boiling					●				
Fuel oils	40	-20	+40	●	●	●						
Fuels-Diesels	40	-20	+40	●	●							
Gaseous oxygen (ambient air)	20	-20	+40								●	
Glycerine	20	-20	+40	●	●							
Glycol (for antifreeze, lubricants)	40	-20	+40	●	●							
Graphite in suspension in water, oils and greases	40	-20	+90	●	●							
Greases (from petroleum)	40	-20	+90	●	●							
Helium (gas)	20	-20	+60								●	
Heptanal	20	-20	+50	●	●							
Hexane (solvent)	20	-20	+60								●	
Hydraulic oils (petroleum-based)	40	-20	+90	●	●							
Hydrogen (gas)	20	-20	+60								●	
Inks	20	-20	+60							●		
Insecticides	20	0	+40	●	●	●						
Iso-Butane (aliphatic hydrocarbon)	20	-20	+60							●		
Iso-Octane	20	-20	+60							●		
Isopropyl alcohol	20	-20	Boiling									●
Krypton (gas) Kr	20	-20	+60	●	●	●						
Light water	40		+80	●	●	●						
Lighting gas	20	-20	+40			●						
Methane (gas) CH ₄	20	-20	+60	●	●	●						
Methanol	20	-20	Boiling									●
Methyl alcohol	20	-20	Boiling									●
Methylated spirit	40	-20	+40	●	●	●						
Mineral oils	40	-20	+90	●	●							
Natural gas	20	-20	+40			●						
Natural waxes (vegetable, beeswax, carnauba, Chinese, lignite)	40	-20	+90							●		
Neatsfoot oil	40	-20	+90	●	●	●						
Neon (Gas) Ne	20	-20	+60	●	●	●						
Nitrogen (gas) N ²	40	-20	+90	●	●	●						
Oil (petroleum-based) and water emulsions	40	-20	+90	●	●	●						

Chemical Description	Max. Pressure (bar)	Temperature °C		Universal and Light Series	Standard Series	DVGW Series	Customised Series					
		Min.	Max.				20	22	26	27	30	32
Oils "synthetic"	20	-20	+100									●
Ordinary petrol	20	-20	+40	●	●							
Oxygenated water	40	-20	+30				●					
Paints and relevant solvents	20	-20	+60		●	●			●			
Paraffin oil	40	-20	+90	●	●	●						
Paraffins	20	-20	+60	●	●	●						
Pentane (liquid hydrocarbon)	20	-20	+60	●	●	●						
Pentanol 1 and 2	20	-20	Boiling									●
Petrol "super"	20	-20	+40				●					
Petroleum mineral oils	20	-20	+160					●				
Phenol (aqueous or alcoholic)	20	-20	+60		●	●			●			
Propane	20	-20	+60	●	●	●						
Propanol 1 and 2	20	-20	Boiling									●
Propanone 2	20	-20	+60									●
Propene or Propylene	20	-20	+60					●				
Propyl alcohol	20	-20	Boiling									●
Propylene or Propene	20	-20	+60					●				
Rapeseed oil	40	-20	+90	●	●							
Saponifying liquids	20	-20	+30	●	●	●						
Seawater	40		+80	●	●	●						
Seawater (high temperature)	20		+150			●				●		
Soaps	20	-20	+100									●
Soaps (liquid or paste)	40	-20	+40	●	●	●						
Sodium carbonate (with water)	20	0	+40	●	●	●						
Starch (gels or pastes)	40	+10	+40	●	●	●						
Steam	20	-20	+150									●
Toluene (terpenic hydrocarbon)	20	-20	+60		●	●			●			
Trichlorethylene	20	-20	+65					●				
Turpentine	20	-20	+50	●	●	●						
Varnish and paints	20	-20	+60		●	●			●			
Vaseline	40	-20	+60	●	●	●						
Vaseline oil	40	-20	+90	●	●	●						
Water (carbonated)	40		+90	●	●	●						
Water (high temperature)	20		+150			●						●
Xenon (gas) Xe	20	-20	+60	●	●	●						
Xylene	20	-20	+60					●				

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



Mini Series

With their push-in connections, these polymer lightweight ball valves allow for a significant reduction in installation time while offering full flow capability and compact dimensions.

Product Advantages:

Optimum Solution

- Full Flow
- Marked with the pneumatic symbol for identification of its function
- Lightweight and compact
- Extremely compact, easy-to-operate lever
- Lever with screwdriver slot to facilitate operation

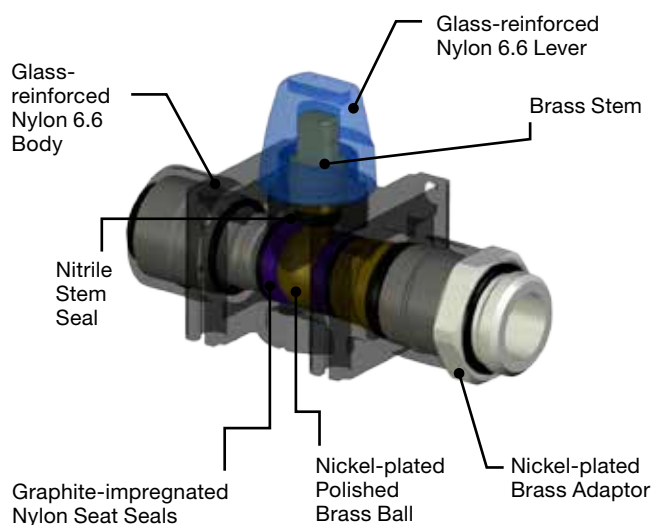
Proven Technology

Three in-line versions:

- Excellent static and dynamic sealing
- High-strength polyamide
- Automatic seal wear compensation for long-term reliability
- 100% leak-tested in production
- Date coding to guarantee quality and traceability

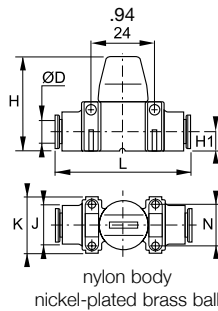
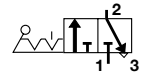
Applications:

- Robotics
- Vacuum
- Semi-Conductors
- Packaging
- Textile
- Pneumatics



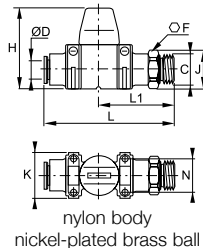
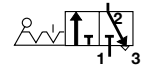
Specifications:

Compatible Fluids	Compressed air only
Pressure Range	145 psi (10 bar)
Temperature Range	-4° to 176° F (-20° to 80° C)

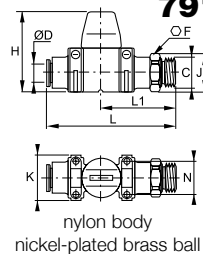
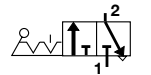
**7913** | **3/2, with vent, with push-to-connect ports**

ØD in	Part Number fractional inch	H in	H1 in	J in	K in	L in	N in	oz
5/32	7913 04 00	1.46	.30	.59	.87	2.0	.64	.78
1/4	7913 56 00	1.46	.30	.59	.87	2.0	.64	1.45
5/16	7913 08 00	1.46	.30	.59	.87	2.0	.64	1.98
3/8	7913 60 00	1.69	.43	.79	1.18	2.6	.87	4.06

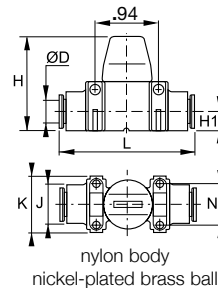
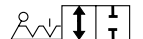
ØD mm	Part Number metric	H mm	H1 mm	J mm	K mm	L mm	N mm	kg
4	7913 04 00	37	7.5	15	22	51	16.2	0.022
6	7913 06 00	37	7.5	15	22	52	16.2	0.041
8	7913 08 00	37	7.5	15	22	52	16.2	0.056
10	7913 10 00	43	11	20	30	66	22	0.115
12	7913 12 00	43	11	20	30	66	22	0.147

**7915** | **3/2, with vent, with male thread and push-to-connect port NPT**

ØD in	C NPT	Part Number	F mm	H in	J in	K in	L in	L1 in	N in	oz
5/32	1/8	7915 04 11	13	1.46	.55	.87	2.44	1.46	.64	1.76
1/4	1/8	7915 56 11	13	1.46	.55	.87	2.44	1.46	.64	1.90
1/4	1/4	7915 56 14	14	1.46	.59	.87	2.44	1.38	.64	2.40
5/16	1/4	7915 08 14	14	1.46	.59	1.18	2.40	1.61	.64	2.40
5/16	3/8	7915 08 18	18	1.46	.77	1.18	2.91	1.61	.64	2.82
3/8	1/4	7915 60 14	16	1.69	.69	1.18	2.40	1.65	.87	3.60
3/8	3/8	7915 60 18	18	1.69	.77	1.18	2.91	1.65	.87	4.94

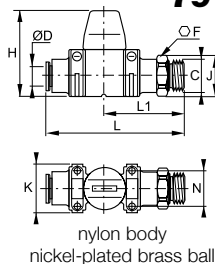
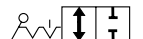
**7914** | **3/2, with vent, with male thread and push-to-connect port BSPP**

ØD mm	C BSPP	Part Number	F mm	H mm	J mm	K mm	L mm	L1 mm	N mm	kg
6	G1/8	7914 06 10	13	37	14	22	62	37	16.2	0.054
8	G1/4	7914 08 13	16	37	17.5	22	61	35	16.2	0.068
10	G3/8	7914 10 17	20	43	22	30	74	41	22	0.102
12	G1/2	7914 12 21	24	43	26	30	75	42	22	0.140

**7910** | **2/2, with push-to-connect ports**

ØD in	Part Number fractional inch	H in	H1 in	J in	K in	L in	N in	oz
5/32	7910 04 00	1.46	.30	.59	.87	2.01	.64	.74
1/4	7910 56 00	1.46	.30	.59	.87	2.05	.64	1.41
5/16	7910 08 00	1.46	.30	.59	.87	2.05	.64	1.94
3/8	7910 60 00	1.69	.43	.79	1.18	2.60	.64	3.95

ØD mm	Part Number metric	H mm	H1 mm	J mm	K mm	L mm	N mm	kg
4	7910 04 00	37	7.5	15	22	51	16.2	0.021
6	7910 06 00	37	7.5	15	22	52	16.2	0.040
8	7910 08 00	37	7.5	15	22	52	16.2	0.055
10	7910 10 00	43	11	20	30	66	16.2	0.112
12	7910 12 00	43	11	20	30	66	16.2	0.144

**7911** | **2/2, with male thread and push-to-connect port BSPP**

ØD mm	C BSPP	Part Number	F mm	H mm	J mm	K mm	L mm	L1 mm	N mm	kg
6	G1/8	7911 06 10	13	37	14	22	62	37	16.2	0.052
8	G1/4	7911 08 13	16	37	17.5	22	61	35	16.2	0.066
10	G3/8	7911 10 17	20	43	22	30	74	41	16.2	0.098
12	G1/2	7911 12 21	24	43	26	30	75	42	16.2	0.129

To join the mini ball valves together, use the joining clips (7000 series).



WARNING: These products can expose you to chemicals including CARBON BLACK or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



LIQUIfit Ball Valves

This range of valves offers an innovative solution in the treatment of water and the handling of beverages. LIQUIfit's corrosion-resistant, all plastic design make them ideal for water filtration units, coffee and beverage machines and a wide variety of other fluid applications.

Product Features:

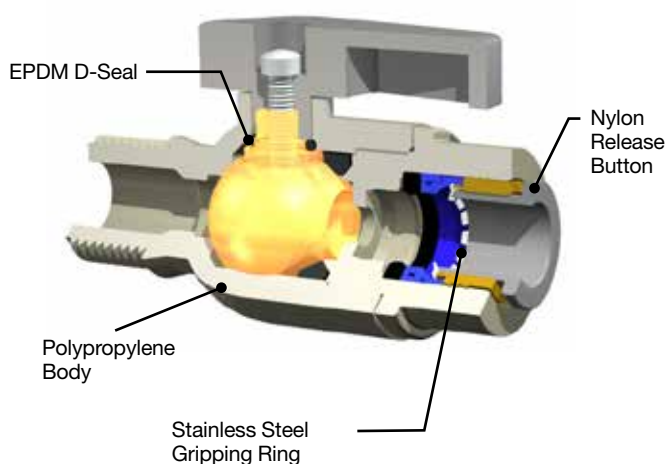
- Stainless steel gripping ring
- Polypropylene body
- EPDM D-seal
- Full flow self cleaning ball maintains the cleanliness of the circuit
- Gripping ring technology prevents pumping effect
- FDA, NSF 51, NSF 61
- 100% leak tested in production
- Date coded for lot traceability

Markets:

- Water Filtration
- Beverage Dispensing
- Life Science
- Bottling
- Semi-Conductor

Applications:

- Water
- Beverages
- Food
- CO₂



Specifications:

Pressure Range Up to 230 psi (16 bar)

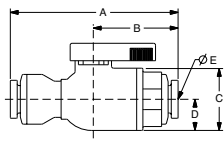
Temperature Range 35° to 200° F (1° to 93° C)

Note: Maximum working pressure and temperature are dependent on the type of tubing used

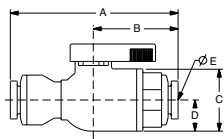
Compatible Tubing:

- Polyethylene

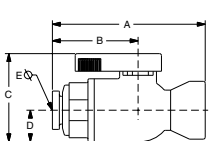


VUC | **valve union connector** fractional inch tube to tube

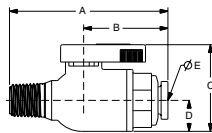
ØD1 in	ØD2 in	Part Number	A in	B in	C in	D in	ØE in	oz
1/4	1/4	LFPP4VUC4	2.55	1.22	1.0	.5	.19	1.12
1/4	3/8	LFPP4VUC6	2.57	1.30	1.0	.5	.19	1.18
3/8	3/8	LFPP6VUC6	2.67	1.32	1.4	.5	.25	1.24

VUC | **valve union connector** metric tube to tube

ØD1 mm	ØD2 mm	Part Number	A mm	B mm	C mm	D mm	ØE mm	kg
6	6	LFPP6MVUC6M	.57	.27	.36	.13	.19	.019
8	8	LFPP8MVUC8M	.60	.27	.36	.13	.25	.020
10	10	LFPP10MVUC10M	.70	.33	.36	.13	.33	.023
12	12	LFPP12MVUC12M	.88	.43	.36	.13	.37	.034

VFC | **valve female connector** fractional inch tube to NPTF

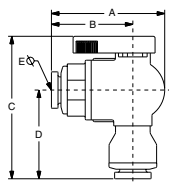
ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in	oz
1/4	1/8	LFPP4VFC2	2.55	1.22	1.0	.5	.19	1.07
1/4	1/4	LFPP4VFC4	2.57	1.30	1.0	.5	.19	1.09
1/4	3/8	LFPP4VFC6	2.67	1.32	1.4	.5	.25	1.08
3/8	1/8	LFPP6VFC2	2.55	1.22	1.0	.5	.19	1.12
3/8	1/4	LFPP6VFC4	2.57	1.30	1.0	.5	.19	1.14
3/8	3/8	LFPP6VFC6	2.67	1.32	1.4	.5	.25	1.14

VMC | **valve male connector** fractional inch tube to NPTF

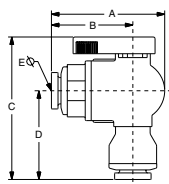
ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in	oz
1/4	1/8	LFPP4VMC2	2.22	1.21	1.4	.5	.19	1.09
1/4	1/4	LFPP4VMC4	2.40	1.21	1.4	.5	.19	1.08
1/4	3/8	LFPP4VMC6	2.40	1.21	1.4	.5	.19	1.07
1/4	1/2	LFPP4VMC8	2.59	1.21	1.4	.5	.19	1.08
3/8	1/8	LFPP6VMC2	2.33	1.32	1.4	.5	.25	1.14
3/8	1/4	LFPP6VMC4	2.51	1.32	1.4	.5	.25	1.14
3/8	3/8	LFPP6VMC6	2.51	1.32	1.4	.5	.25	1.14
3/8	1/2	LFPP6VMC8	2.70	1.32	1.4	.5	.25	1.14



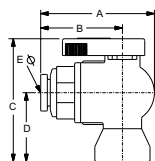
WARNING: These products can expose you to chemicals including CARBON BLACK or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

VEU | **valve elbow union** fractional inch tube to tube

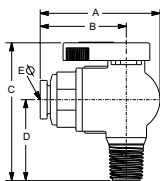
ØD1 in	ØD2 in	Part Number	A in	B in	C in	D in	ØE in	oz
1/4	1/4	LFPP4VEU4	1.75	1.22	2.33	1.42	.19	1.17
1/4	3/8	LFPP4VEU6	1.75	1.22	2.33	1.42	.11	1.21
3/8	1/4	LFPP6VEU4	1.83	1.30	2.32	1.40	.19	1.21
3/8	3/8	LFPP6VEU6	1.85	1.32	2.34	1.44	.25	1.24

VEU | **valve elbow union** metric tube to tube

ØD1 mm	ØD2 mm	Part Number	A mm	B mm	C mm	D mm	ØE mm	kg
6	6	LFPP6MVEU6M	.41	.27	.55	.31	.19	.033
8	8	LFPP8MVEU8M	.41	.28	.56	.33	.25	.034
10	10	LFPP10MVEU10M	.48	.33	.61	.38	.33	.034

VFE | **valve female elbow** fractional inch tube to NPTF

ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in	oz
1/4	1/8	LFPP4VFE2	1.74	1.21	1.82	.92	.19	1.08
1/4	1/4	LFPP4VFE4	1.74	1.21	2.05	1.15	.19	1.09
1/4	3/8	LFPP4VFE6	1.74	1.21	2.18	1.28	.19	1.07
3/8	1/8	LFPP6VFE2	1.85	1.32	1.82	.92	.25	1.14
3/8	1/4	LFPP6VFE4	1.85	1.32	2.05	1.15	.25	1.14
3/8	3/8	LFPP6VFE6	1.85	1.32	2.18	1.28	.25	1.24

VME | **valve male elbow** fractional inch tube to NPTF

ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in	oz
1/4	1/8	LFPP4VME2	1.74	1.21	2.00	1.10	.19	1.09
1/4	1/4	LFPP4VME4	1.74	1.21	2.18	1.28	.19	1.09
1/4	3/8	LFPP4VME6	1.74	1.21	2.18	1.28	.19	1.08
1/4	1/2	LFPP4VME8	1.74	1.21	2.37	1.47	.19	1.08
3/8	1/8	LFPP6VME2	1.85	1.32	2.00	1.10	.25	1.14
3/8	1/4	LFPP6VME4	1.85	1.32	2.18	1.28	.25	1.14
3/8	3/8	LFPP6VME6	1.85	1.32	2.18	1.28	.25	1.14
3/8	1/2	LFPP6VME8	1.85	1.32	2.37	1.47	.25	1.24



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TrueSeal™ Ball Valves

Parker's TrueSeal Ball Valves offer proven leak-free performance. Their corrosion-resistant, all-plastic design makes them ideal for water filtration units, coffee and beverage machines and a wide variety of other fluid applications. Polypropylene material meets all FDA and NSF-51 requirements for food contact.

Product Features:

- Precision molded, all-plastic design is leak free and corrosion resistant.
- Polypropylene material offers a wider chemical acceptance range, as well as a wide temperature range.
- Bi-directional flow maximizes productivity.
- Full flow design reduces pressure drop across the valve.
- Special o-ring seal ensures a reliable leak-tight connection.
- TrueSeal™ connection reduces potential leaks.

Specifications:

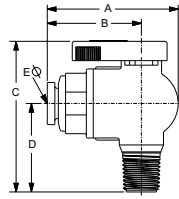
- Temperature range: 0° F to +225° F (-18° C to +107° C).
- O-ring seal material: EPDM.
- NSF/ANSI 51 listed.
- Pressure rated to 150 PSI (10.3 bar) with a 600 PSI (41.4 bar) burst pressure. Actual working pressures will be lower at elevated temperatures.

Advantages:

- Reduce costs – Built-in TrueSeal™ connection eliminates the need for a secondary fitting.
- Save space – Low-profile design allows for easy assembly and access where space is at a premium.

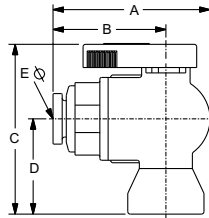
Assembly Instructions

1. Inspect the mating threads for debris or damage. Remove any old fluoropolymer tape or sealant on previously used threads. If threads are damaged, replace with new adapter before proceeding.
2. Apply 2 to 3 wraps of fluoropolymer tape, or an NSF/FDA approved silicon sealant. Do not use Plumbers Putty or Pipe Dope. These chemically react with plastic materials and could cause a failure.
3. Align ball valve to mating thread to ensure cross threading does not occur.
4. Screw ball valve onto mating thread 3 to 5 turns. This should be sufficient to properly seal the threads.

**VME** | **valve male elbow** fractional inch to NPTF

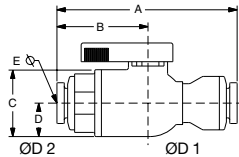
ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in
1/4	1/8	PP4VME2-MG (+)	1.74	1.21	2.00	1.10	.19
1/4	1/4	PP4VME4-MG	1.74	1.21	2.18	1.28	.19
1/4	3/8	PP4VME6-MG	1.74	1.21	2.18	1.28	.19
1/4	1/2	PP4VME8-MG (+)	1.74	1.21	2.37	1.47	.19
3/8	1/8	PP6VME2-MG (+)	1.85	1.32	2.00	1.10	.25
3/8	1/4	PP6VME4-MG	1.85	1.32	2.18	1.28	.25
3/8	3/8	PP6VME6-MG	1.85	1.32	2.18	1.28	.25
3/8	1/2	PP6VME8-MG	1.85	1.32	2.37	1.47	.25

(+) For nonstandard plastic collet, remove -MG suffix.

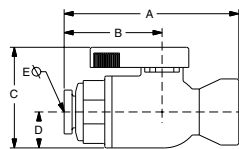
**VFE** | **valve female elbow** fractional inch to NPTF

ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in
1/4	1/8	PP4VFE2-MG (+)	1.74	1.21	1.82	.92	.19
1/4	1/4	PP4VFE4-MG	1.74	1.21	2.05	1.15	.19
1/4	3/8	PP4VFE6-MG	1.74	1.21	2.18	1.28	.19
3/8	1/8	PP6VFE2-MG (+)	1.85	1.32	1.82	.92	.25
3/8	1/4	PP6VFE4-MG	1.85	1.32	2.05	1.15	.25
3/8	3/8	PP6VFE6-MG	1.85	1.32	2.18	1.28	.25

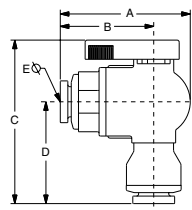
(+) For nonstandard plastic collet, remove -MG suffix.

**VUC** | **valve union connector** fractional inch tube

ØD 1 in	ØD 2 in	Part Number	A in	B in	C in	D in	ØE in
Black PPL							
White PPL							
1/4	1/4	PPB4VUC4-MG	2.55	1.22	1.0	.5	.19
1/4	3/8	PP4VUC6-MG	2.55	1.22	1.0	.5	.19
3/8	1/4	PP6VUC4-MG	2.57	1.30	1.0	.5	.19
3/8	3/8	PPB6VUC6-MG	2.57	1.32	1.4	.5	.25

**VFC** | **valve female connector** fractional inch tube to NPTF

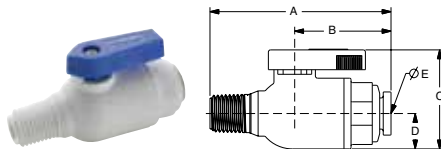
ØD 1 in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in
Black PPL							
White PPL							
1/4	1/8	PP4VFC2-MG	2.04	1.21	1.4	.5	.19
1/4	1/4	PP4VFC4-MG	2.27	1.21	1.4	.5	.19
1/4	3/8	PP4VFC6-MG	2.40	1.21	1.4	.5	.19
3/8	1/8	PP6VFC2-MG	2.15	1.32	1.4	.5	.25
3/8	1/4	PP6VFC4-MG	2.38	1.32	1.4	.5	.25
3/8	3/8	PPB6VFC6-MG	2.51	1.32	1.4	.5	.25

**VEU** | **valve elbow union** fractional inch

ØD 1 in	ØD 2 in	Part Number	A in	B in	C in	D in	ØE in
1/4	1/4	PP4VEU4-MG	1.75	1.22	2.33	1.42	.19
1/4	3/8	PP4VEU6-MG	1.75	1.22	2.33	1.42	.19
3/8	1/4	PP6VEU4-MG	1.83	1.30	2.32	1.40	.19
3/8	3/8	PP6VEU6-MG	1.83	1.32	2.34	1.44	.25

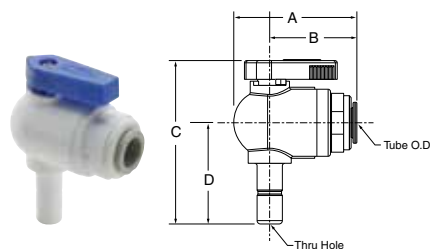


WARNING: These products can expose you to chemicals including CARBON BLACK or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

VMC | **valve male connector** fractional inch to NPTF

ØD in	NPTF Thread	Part Number	A in	B in	C in	D in	ØE in
1/4	1/8	PP4VMC2-MG (+)	2.22	1.21	1.4	.5	.19
1/4	1/4	PP4VMC4-MG	2.40	1.21	1.4	.5	.19
1/4	3/8	PP4VMC6-MG	2.40	1.21	1.4	.5	.19
1/4	1/2	PP4VMC8-MG (+)	2.59	1.21	1.4	.5	.19
3/8	1/8	PP6VMC2-MG (+)	2.33	1.32	1.4	.5	.25
3/8	1/4	PP6VMC4-MG	2.51	1.32	1.4	.5	.25
3/8	3/8	PP6VMC6-MG	2.51	1.32	1.4	.5	.25
3/8	1/2	PP6VMC8-MG (+)	2.70	1.32	1.4	.5	.25

(+) For nonstandard plastic collet, remove -MG suffix.

VTEU | **valve male connector** fractional inch to NPTF

ØD in	Stem in	Part Number	A in	B in	C in	D in	ØE in
1/4	3/8	PP4VTEU6-MG	1.75	1.22	2.43	1.50	.17
3/8	3/8	PP6VTEU6-MG	1.83	1.30	2.43	1.50	.25

SC | **safety clip**

ØD in	Part Number	Part Number
1/4	SC-4	SC-4-B
5/16	SC-5	SC-5-B
3/8	SC-6	SC-6-B
1/2	SC-8	SC-8-B

(Patent No. 6,065,779)

TS | **tube supports**

Part Number Nylon	Part Number PPL
N4TS3	P4TS3
N5TS3	P4TS3
N6TS4	P6TS4
N8TS6	P8TS6

To be used with soft durometer tubing.

AQRT | **quick release tool**

Makes disconnection of tube adapters and tubing a breeze.



WARNING: These products can expose you to chemicals including CARBON BLACK or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



Par-Barb Ball Valves

Parker's Par-Barb Ball Valves are injection molded from high strength chemically inert, thermoplastic materials. The multiple barb design generates the maximum gripping and sealing power when combined with a hose clamp.

Product Features:

- Available in black polypropylene and white nylon
- FDA compliant material
- NSF/ANSI 51
- Uniprene washer
- Up to 1 1/2" sizes

Markets:

- Water
- Beverage Dispensing
- Bottling
- Semi-Conductor

Applications:

- Water
- Beverages
- Cooling Systems

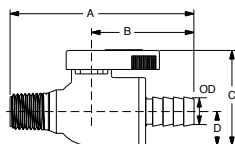
Specifications:

Pressure Range Up to 125 PSI (8.6 bar)

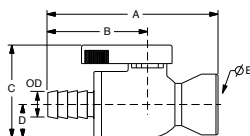
Temperature Range Nylon: -40° to +200° F (-40° to +93.3° C)
Polypropylene: +10° to +220° F (-12.2° to +104.4° C)

Compatible Tubing:

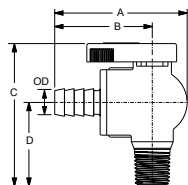
- Vinyl
- Polyurethane
- Rubber hose

**VMC** | **valve male connector** fractional inch barb to NPTF

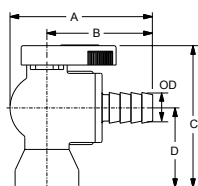
ID in	NPTF Thread	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	1/4	PBPP4VMC4	.31	2.79	1.60	1.42	.50	.15
3/8	3/8	PBPP6VMC6	.43	2.79	1.60	1.42	.50	.19

**VFC** | **valve female connector** fractional inch barb to NPTF

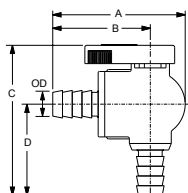
ID in	NPTF Thread	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	1/4	PBPP4VFC4	.31	2.76	1.60	1.41	.50	.15
3/8	3/8	PBPP6VFC6	.43	2.79	1.60	1.41	.50	.19

**VME** | **valve male elbow** fractional inch barb to NPTF

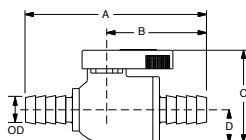
ID in	NPTF Thread	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	1/4	PBPP4VME4	.31	2.13	1.60	2.18	1.28	.15
3/8	3/8	PBPP6VME6	.43	2.13	1.60	2.18	1.28	.19

**VFE** | **valve female elbow** fractional inch barb to NPTF

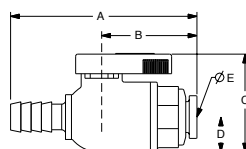
ID in	NPTF Thread	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	1/4	PBPP4VFE4	.31	2.13	1.60	2.05	1.15	.15
3/8	1/4	PBPP6VFE4	.43	2.13	1.60	2.05	1.15	.15
3/8	3/8	PBPP6VFE6	.43	2.13	1.60	2.18	1.28	.19

**VEU** | **valve Parbarb elbow** fractional inch barb to barb

ID in	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	PBPP4VEU4	.31	2.13	1.57	2.32	1.40	.15
3/8	PBPP6VEU6	.43	2.13	1.60	2.32	1.40	.25
1/2	PBPP8VEU8	.55	2.13	1.60	2.32	1.40	.25

**VUC** | **valve union connector** fractional inch barb to barb

ID in	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	PBPP4VUC4	.31	2.91	1.60	1.42	.50	.15
3/8	PBPP6VUC6	.43	2.91	1.60	1.42	.50	.19
1/2	PBPP8VUC8	.55	2.91	1.60	1.42	.50	.25

**VUCPB** | **valve union connector** fractional inch tube to barb

ID in	Tube ØD in	Part Number	ØD in	A in	B in	C in	D in	ØE in
1/4	1/4	LFPP4VUCPB4	.31	2.40	1.08	1.42	.50	.15
3/8	3/8	LFPP6VUCPB6	.43	2.63	1.32	1.42	.50	.19



WARNING: These products can expose you to chemicals including CARBON BLACK or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



Axial Valves

The Parker Legris axial valve is the only valve to incorporate both the valve and actuation function. With pneumatic or electro-pneumatic control, it avoids many of the restrictions associated with traditional actuators.

Product Advantages:

Optimization & Safety

- Very compact: up to 50% smaller than valves with separate actuators
- Simple to install: ready-to-use
- Common sub-base for solenoid control
- Automation of the open/close function
- Operation independent of the upstream and downstream pressure in the circuit

Performance

- Full flow: low pressure drop
- Excellent pressure/temperature performance
- Compatible with many industrial fluids

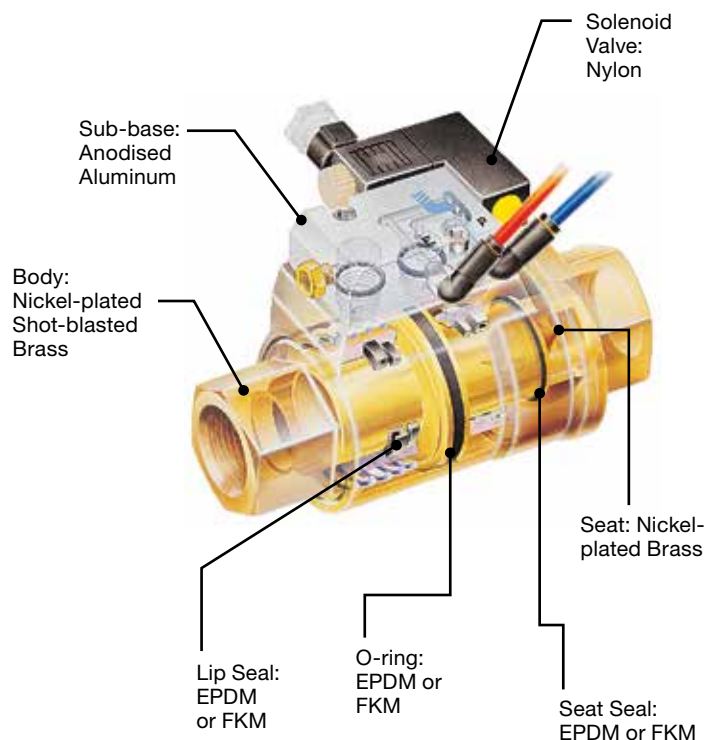
Applications:

- Flow Control
- Plastic Injection Molding
- Rubber Industry
- Pneumatics
- Textile
- Printing
- Packaging
- Robotics

Specifications:

Working Pressure 150 psi (10 bar)

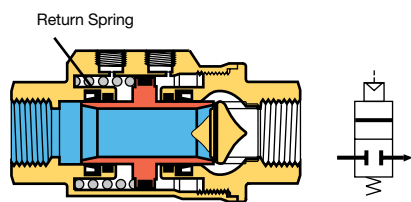
Working Temperature -4° to 275° F (20° to 135° C)



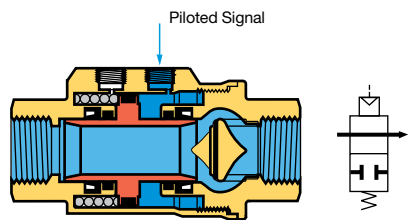
Operation

Depending on operational requirement, air is passed into the actuation chamber to open or close the valve.

Normally Closed Axial Valve (NC)

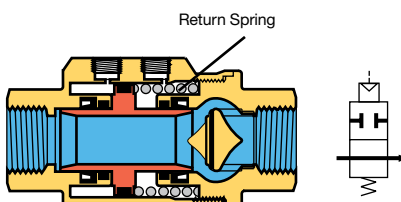


Rest State (Valve Closed)

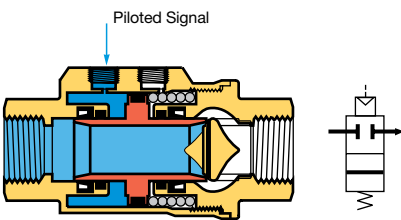


Piloted State (Valve Open)

Normally Open Axial Valve (NO)

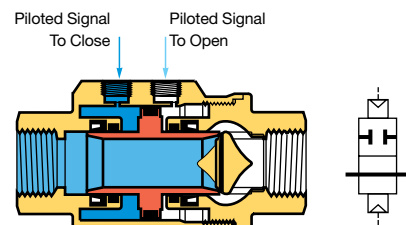


Rest State (Valve Open)



Piloted State (Valve Closed)

Double-Acting Axial Valve (DE)



Piloted State (Valve Closed)

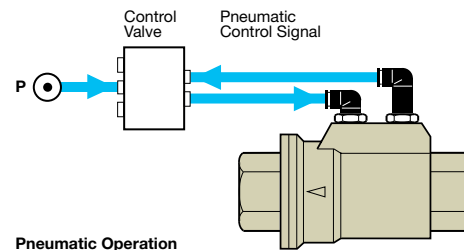
Installation Options

Parker Legris' axial valve offers 3 different control methods dependant on the requirements of the installation:

Pneumatic Control

Example: Double-acting axial valve 4222

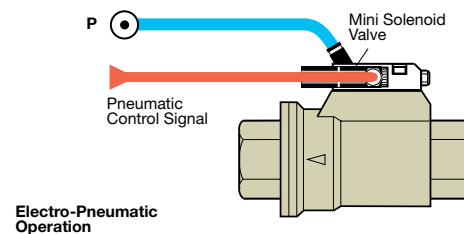
- Local compressed air control
- For repetitive on/off cycles
- Remote control where access to the machine is difficult
- For explosive or explosion prevention areas



Electro-Pneumatic Control

Example: Normally closed axial valve 4203

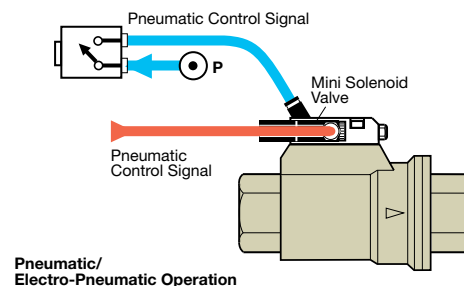
- Sub-base and mini-solenoid valve 4298
- For automated industrial systems requiring remote control
- Namur seating plane solenoid valve

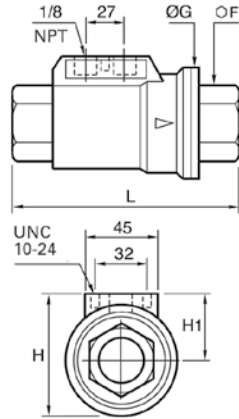


Dual Pneumatic and Electro-Pneumatic Control

Example: Normally open axial valve 4212

- Sub-base and mini-solenoid valve 4298
- Pneumatic push-button 4299
- Dual control structure
- For increased safety: prevents localised operating errors
- Namur seating plane solenoid valve



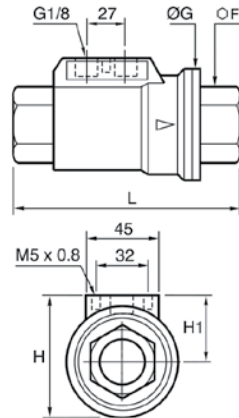


sand blasted nickel-plated
brass body

4203 normally closed, double female NPT

C NPT	DN	Part Number	FKM Seal	F mm	G in	H in	H1 in	L in	lb
3/8	10	4203 10 18 20		22	1.81	2.12	1.21	3.60	1.79
1/2	15	4203 15 22 20		27	2.03	2.33	1.31	4.13	2.39
3/4	20	4203 20 28 20		33	2.50	2.76	1.51	4.92	3.60
1	25	4203 25 35 20		41	2.72	2.99	1.63	5.31	4.46
1 1/4	32	4203 32 43 20		50	3.39	3.59	1.90	6.02	7.28
1 1/2	40	4203 40 50 20		60	3.78	4.01	2.12	6.67	9.22
2	50	4203 50 44 20		75	4.29	4.50	2.35	7.39	14.02

Pilot port: 1/8 - 27 NPT
Complete with 1/8 NPT silencer



sand blasted nickel-plated
brass body

4202 normally closed, double female BSPP

C BSPP	DN	Part Number	FKM Seal	F mm	G mm	H mm	H1 mm	L mm	kg
G3/8	10	4202 10 17 20		22	46	54	31	98	.814
G1/2	15	4202 15 21 20		27	52	60	35	112	1.085
G3/4	20	4202 20 27 20		33	64	70	38	135	1.634
G1	25	4202 25 34 20		41	69	76	41.5	143	2.024
G1 1/4	32	4202 32 42 20		50	86	91	48	165	3.301
G1 1/2	40	4202 40 49 20		60	96	102	54	180	4.180
G2	50	4202 50 48 20		75	109	115	60.5	207	6.360

Pilot port: 1/8 BSPP
Complete with 1/8 BSPT silencer

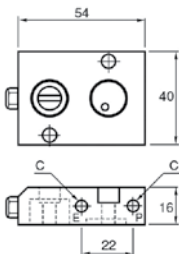
Upon special request, we can supply

- Normally open and double acting valves
- Replacement seal kits (FKM, Nitrile)
- Axial valves equipped with magnetic sensors to indicate their state (open and/or closed)
- Chemically nickel-plated axial valves



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4298 | subbase for solenoid pilot valve M5



anodized aluminum

C

Part
Number

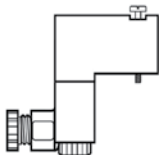


M5x0.8 4298 00 01

3.35

Sub-base conforms to NAMUR specifications. The sub-base is fitted directly to the axial valve and permits the mounting of a mini solenoid valve. Supplied with two fixing bolts and silencer.

4298 | mini-solenoid valve 1W/1.2VA



Voltage

Part
Number



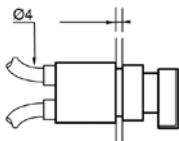
24V	DC	4298 01 01
24V	AC	4298 01 02
110V	AC	4298 02 01
220V	AC	4298 02 02

1.84
2.05
1.80
1.91

type of coil		voltage		power class	insulation degree	protection	cable entry
size 15	~	24-110-220V - 50/60 Hz		2W	F	IP 65	plug size 15 rotatable through 90° - CM 6
	=	24V		1W			

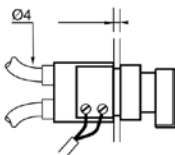


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4299 pneumatic button

1 Pneumatic Contact	Part Number	oz
standard	4299 01 01	3.17
with key	4299 01 02	3.88



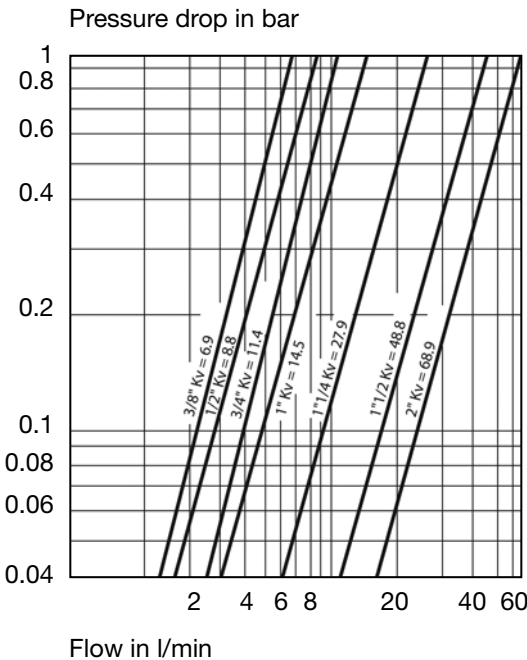
4299 electro-pneumatic

1 Electro-pneumatic Contact	Part Number	oz
standard	4299 02 01	3.60

Bulkhead fixing hole diameter: 22mm

Flow curve / Pressure drop / Kv

Kv in l/min
(water at ambient temperature, under a differential pressure of one bar)



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Tubing

Nylon Tubing

Polyurethane 95A Tubing

Low Density
Polyethylene Tubing

Recoil Tubing

Accessories





SERIES U 3/4 O.D. X 1/8 WALL 125 PSI WP RT 73F 387163 3

SERIES U 3/8 O.D. X 1/16 WALL 125 PSI WP RT 73F 389109 2

N 1/4 O.D. X .035 WALL 250 W.P. 425294 3

007159

SERIES U 3/4 O.D. X 1/8 WALL 125 PSI WP RT 73F 387163 3

Nylon Tubing

p. K4

**Fluids:** compressed air, industrial fluids**Materials:**

- Nylon
- 8 colors available

Pressure: up to 375 psi (26 bar)**Temperature:** -65° to 200° F (-54° to 93° C)

Maximum pressure and temperature range are dependent on tube diameter used.

O.D. fractional: 1/8 to 1/2**O.D. metric:** 4mm to 16mm**Polyurethane Tubing**

p. K7

**Fluids:** compressed air, industrial fluids**Materials:**

- Polyurethane 95A durometer
- 7 colors available

Pressure: up to 233 psi (16 bar)**Temperature:** -40° to 165° F (-40° to 74° C)

Maximum pressure and temperature range are dependent on tube diameter used.

O.D. fractional: 1/8 to 1/2**O.D. metric:** 4mm to 16mm**Polyethylene Tubing**

p. K9

**Fluids:** compressed air, industrial fluids and food handling application (except holding food during cooking)**Materials:**

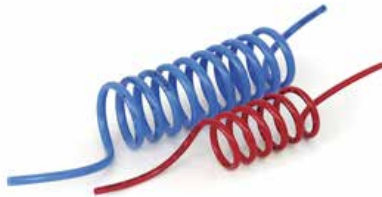
- Low density polyethylene
- FDA CF21, part 177 (all colors)
- 6 colors available

Pressure: up to 190 psi (13 bar)**Temperature:** -80° to 151° F (-62° to 66° C)

Maximum pressure and temperature range are dependent on tube diameter used.

O.D. fractional: 5/32 to 1/2**O.D. metric:** 4mm to 12mm**Nylon Coil Tubing**

p. K11

**Fluids:** compressed air, industrial fluids**Materials:**

- Nylon
- 2 colors available
- 1/4 NPT fittings with pre-applied thread sealant

Pressure: up to 250 psi (17 bar)**Temperature:** -40° to 200° F (-40° to 93° C)

Maximum pressure and temperature range are dependent on tube diameter used.

O.D. fractional: 1/4 to 5/16**Polyurethane Coil Tubing**

p. K13

**Fluids:** compressed air**Materials:**

- Polyurethane 95A durometer
- 2 colors available
- 1/4 NPT fittings with pre-applied thread sealant

Pressure: up to 150 psi (10 bar)**Temperature:** -40° to 165° F (-40° to 74° C)

Maximum pressure and temperature range are dependent on tube diameter used.

O.D. fractional: 5/16 to 3/8**Polyurethane 95A Mini Coil Tubing**

p. K14

**Fluids:** compressed air, industrial fluids**Materials:**

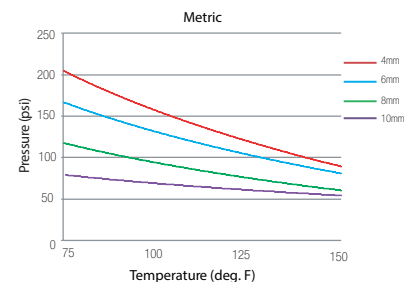
- Polyurethane 95 shore A durometer
- 2 colors available

Pressure: up to 233 psi (16 bar)**Temperature:** -40° to 165° F (-40° to 74° C)

Maximum pressure and temperature range are dependent on tube diameter used.

O.D. fractional: 1/8, 5/32, 1/4, 3/8**How to Read the Graphs**

- In the graphs in this chapter, each curve represents the acceptable maximum pressure at a given temperature, by diameter.
- Technical characteristics of Parker Legris tubing depend on the type of connection used.
- The vacuum capability of all tubing is 755 mm Hg (99% vacuum).



nylon tubing

61220
p. K4



polyurethane tubing

63220
p. K7



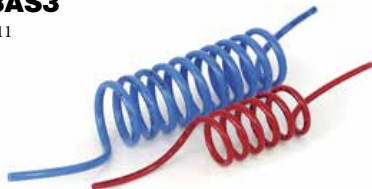
polyethylene tubing

72030
p. K9



coil tubing – nylon

N3AS3
p. K11



coil tubing – polyurethane

U4103
p. K13



mini coil – polyurethane

48471
p. K14



accessories

3000 71 00
p. K15



3000 71 11
p. K15



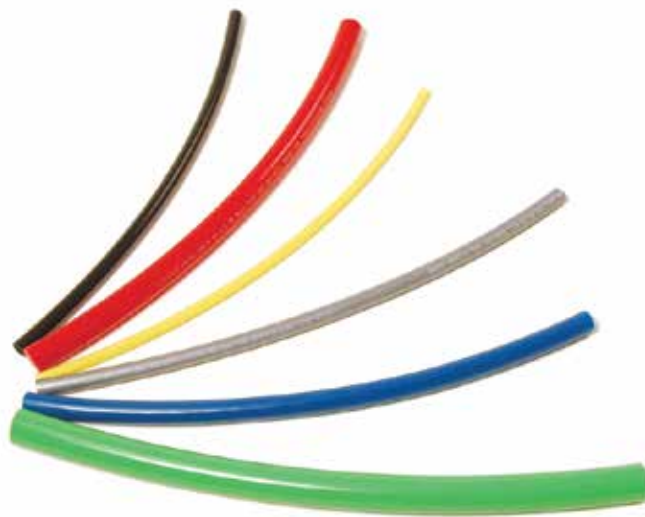
3110/3330
p. K15



Clip
p. K15



Nylon Tubing



Nylon tubing is a popular choice for low pressure pneumatic applications because of its combination of flexibility and toughness. Nycoil uses a heat and light stabilized, very flexible compound that yields a quality tube. Nylon is the most recommended tubing material for all types of pneumatic circuits.

A circuit designer could never get into trouble using Nylon tubing for pneumatic circuits. Due to its physical properties, Nylon is the number one choice for reliable connections with all types of fittings. Nylon retains its performance integrity in elevated temperatures and generally, because of its higher pressure and temperature characteristics, Nylon will have a greater flow passage than composite tubing made from other material with the same outside diameter. These factors should never be overlooked when designing pneumatic circuits.

Product Advantages:

- Flexible
- Good Chemical Resistance
- Low Moisture Absorption
- Superior Dimensional Stability

Applications:

- Low Pressure Pneumatic
- Pneumatic Circuits
- Injection Lube Systems
- Hydro-Pneumatic Circuit



RoHS
2002/95/EC

REACH ✓

Nylon Products

- Pneumatic Tubing
- Mini-Coils
- Capillary Tubing

Specifications:

Compatible Fluids Compressed air, industrial fluids

-40° to +200° F (-40° to +93° C)

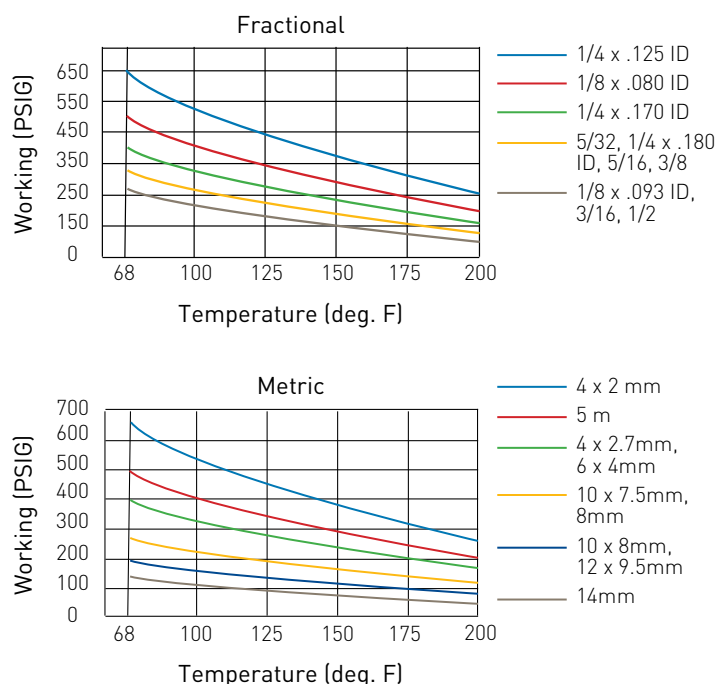
Working Pressure Maximum pressure and temperature range are dependent on tube diameter used.

Working Temperature -40° to +200° F (-40° to +93° C)

Packaging

Tubepack®: 50ft, 100ft, 250ft, 25m and 100m

Reels: 500ft





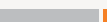
Nycoil Nylon fractional Inch

100ft Tubepack®

ØD in	I.D. in		 Clear	 Black	 Green	 Red	 Blue	 Yellow	 Gray	 Orange	Weight (lbs/1000ft)
1/8	.093	1/2"	61220	61221	61224	61222	61223				2.50
5/32	.106	5/8"							61237	61236	4.80
3/16	.137	3/4"	61330	61331							5.80
1/4	.170	7/8"	61470	61471	61474	61472	61473	61475	61477	61476	12.20
5/16	.232	1"	61550	61551	61554	61552	61553	61555	61557		15.70
3/8	.275	1 1/4"	61660	61661	61664	61662	61663	61665		61666	23.30
1/2	.375	2 1/4"	61880	61881	61884	61882	61883	61885	61887		39.00

Nycoil Nylon metric

100ft Tubepack®

ØD mm	I.D. mm		 Clear	 Black	 Green	 Red	 Blue	 Yellow	 Gray	 Orange	Weight (lbs/1000ft)
4	2.7	24	71040	71041			71043		71047		3.80
4	2.0	24	71020	71021	71024	71022	71023	71025	71027		6.80
5	3.0	30	71050								9.00
6	4.0	36	71060	71061	71064	71062	71063	71065	71067		11.20
8	6.0	48	71080	71081	71084	71082	71083	71085	71087		15.00
10	7.5	70	71100								20.20
10	8.0	60	71110	71111	71114	71112	71113	71115	71117		24.60
12	9.5	70	71120	71121			71123	71125			30.10
14	12.0	100	71160	71161			71163				29.10

Nycoil Nylon fractional Inch

500ft Tubepack®

ØD in	I.D. in		 Clear	 Black	 Green	 Red	 Blue	 Yellow	 Gray	 Orange	Weight (lbs/1000ft)
1/8	.093	1/2"	65220	65221	-	65222	-	-	-	-	2.50
5/32	.106	5/8"	65230	65231	65234	65232	65233	65235	65237	-	4.80
3/16	.137	3/4"	65330	65331	-	-	-	-	-	-	5.80
1/4	.170	7/8"	65470	65471	65474	65472	65473	65475	65477	-	12.20
5/16	.232	1"	65550	65551	-	65552	65553	-	-	-	15.70
3/8	.275	1 1/4"	65660	65661	65664	65662	65663	65665	-	-	23.30
1/2	.375	2 1/4"	68880*	68881*	68884*	68882*	68883*	-	-	-	39.00

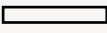
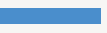
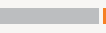
*250 ft. Reel



WARNING: These products can expose you to chemicals including NICKEL, CARBON BLACK, TITANIUM DIOXIDE, or LEAD, which are known to the state of California to cause cancer, and LEAD which is known to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Nycoil Nylon metric

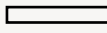
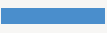
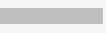
500ft Tubepack®

ØD mm	I.D. mm		 Clear	 Black	 Green	 Red	 Blue	 Yellow	 Gray	 Orange	Weight (lbs/1000ft)
4	2.7	24	-	-	-	-	-	-	-	-	3.80
4	2.0	24	74020	74021	-	-	74023	-	-	-	6.80
5	3.0	30	-	-	-	-	-	-	-	-	9.00
6	4.0	36	74060	74061	74064	74062	74063	-	-	-	11.20
8	6.0	48	74080	74081	74084	74082	74083	-	-	-	15.00
10	7.5	70	-	-	-	-	-	-	-	-	20.20
10	8.0	60	74110	74111	74114	74112	74113	-	-	-	24.60
12	9.5	70	74120	74121	-	74122	74123	-	-	-	30.10
14	12.0	100	-	-	-	-	-	-	-	-	29.10



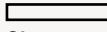
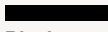
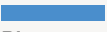
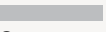
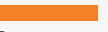
Nycoil Nylon fractional Inch

1000ft Tubepack®

ØD in	I.D. in		 Clear	 Black	 Green	 Red	 Blue	 Yellow	 Gray	 Orange	Weight (lbs/1000ft)
1/8	.093	1/2"	-	-	-	-	-	-	-	-	2.50
5/32	.106	5/8"	60230	60231	60234	60232	60233	60235	60237	-	4.80
3/16	.137	3/4"	60330	60331	-	-	-	-	-	-	5.80
1/4	.170	7/8"	60470	60471	-	-	-	-	-	-	12.20
5/16	.232	1"	60550	60551	-	-	60553	-	-	-	15.70
3/8	.275	1 1/4"	60660	60661	-	-	-	-	-	-	23.30
1/2	.375	2 1/4"	60880	60881	-	-	-	-	-	-	39.00

Nycoil Nylon metric

1000ft Tubepack®

ØD mm	I.D. mm		 Clear	 Black	 Green	 Red	 Blue	 Yellow	 Gray	 Orange	Weight (lbs/1000ft)
4	2.7	24	77040	77041	-	-	-	-	-	-	3.80
4	2.0	24	-	-	-	-	-	-	-	-	6.80
5	3.0	30	-	-	-	-	-	-	-	-	9.00
6	4.0	36	77060	77061	-	-	-	-	-	-	11.20
8	6.0	48	77080	77081	-	-	-	-	-	-	15.80
10	7.5	70	77110	77111	-	-	-	-	-	-	20.20
10	8.0	60	-	-	-	-	-	-	-	-	24.60
12	9.5	70	77120	77121	-	-	-	-	-	-	30.10
14	12.0	100	-	-	-	-	-	-	-	-	29.10



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Polyurethane Tubing

Nycoil polyurethane 95A durometer tubing offers excellent flexibility and outstanding use in a wide range of applications, allowing for up to 50% space reduction when compared to semi-rigid PA tubing.

Product Advantages:

Excellent Mechanical Properties

- Consistent tensile strength for optimum longevity
- Optimal bend radius
- Good vibration absorption
- UV-resistant
- Superior vacuum capability due to surface hardness

Features

- Highly flexible
- Good chemical resistant
- Low pressure drop
- Constant rigidity and good aging

Applications:

- Food Process
- Robotics
- Cabling
- Pneumatics
- Automation
- In-Plant Automotive
- Rapid Cycles

Specifications:

Compatible Fluids Compressed air, industrial fluids
up to 233 psi (16 bar)

Working Pressure Maximum pressure and temperature range are dependent on tube diameter used.

Working Temperature -40° to 165° F (-40° to 74° C)

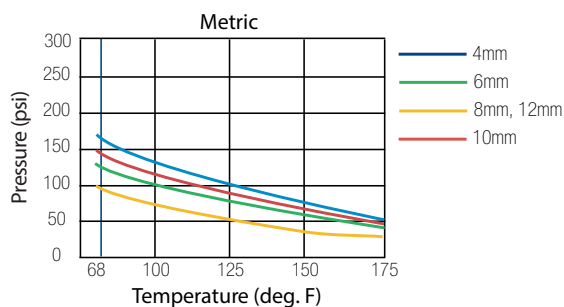
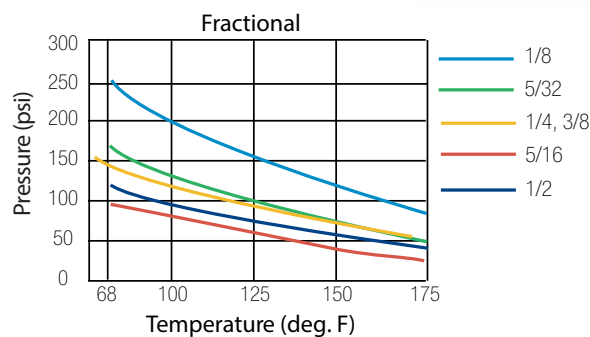
Packaging

Tubepack®: 50ft, 100ft, 250ft, 25m and 100m
Reels: 500ft



✓
RoHS
2002/95/EC

REACH ✓





polyurethane 95 shore A durometer fractional inch

100ft Tubepack®

ØD in	I.D. in	R	clear	black	red	blue	green	yellow	gray	Weight (lbs/100ft)
1/8	.062	1/4	63220	63221	63222	63223	63224	63225	-	.48
5/32	.093	3/8	63250	63251	63252	63253	63254	63255	63257	.62
1/4	.160	1/2	63440	63441	63442	63443	63444	63445	63447	1.46
5/16	.216	3/4	63550	63551	63552	63553	63554	63555	-	2.00
3/8	.250	1	63660	63661	63662	63663	63664	63665	-	3.30
1/2	.320	2	63870	63871	63872	63873	63874	63875	-	5.85

polyurethane 95 shore A durometer metric

100ft Tubepack®

ØD mm	I.D. mm	R	clear	black	red	blue	green	yellow	gray	Weight (Kg/25m)
4	2.5	12	73030	73031	73032	73033	73034	73035	73037	2.40
6	4	15	73060	73061	73062	73063	73064	73065	73067	3.10
8	5.5	20	73080	73081	73082	73083	73084	73085	73087	7.30
10	7	25	73100	73101	73102	73103	73104	73105	73107	10.00
12	8	35	73130	73131	73132	73133	73134	73135	73137	16.50



polyurethane 95 shore A durometer fractional inch

500ft Reel

ØD in	I.D. in	R	clear	black	green	red	blue	yellow	Weight (lbs/100ft)
1/8	.062	1/4	67220	67221	67222	-	-	-	2.40
5/32	.093	3/8	67250	67251	-	-	-	67255	3.10
1/4	.160	1/2	67440	67441	67442	67443	67444	67445	7.30
5/16	.216	3/4	-	-	-	67553	-	-	10.00
3/8	.250	1	67660	67661	67662	67663	-	-	16.50

Consult factory for diameters and colors not shown in catalog. (480) 830-0216



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Polyethylene Tubing

Nycoil low density polyethylene tubing provides good resistance to aggressive and corrosive agents.

Product Advantages:

Low Density PE

- Excellent resistance to aggressive and corrosive agents
- FDA approved material
- Tasteless and odorless
- Dimensional Stability

Applications:

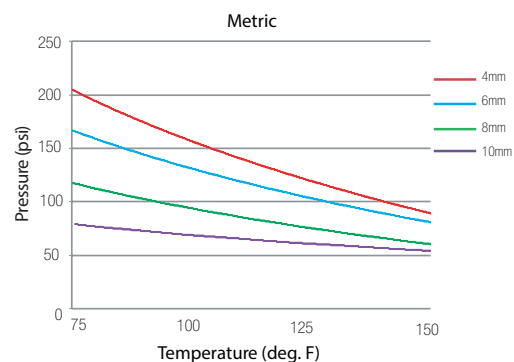
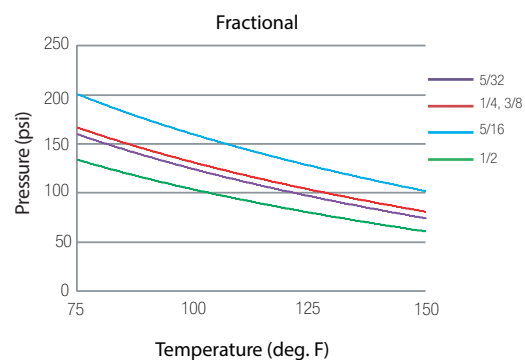
- Beverage
- Chemical
- Petrochemical
- Food Process
- Water
- Water Treatment

Specifications:

Compatible Fluids	Industrial Fluids
	up to 190 psi (13 bar)
Working Pressure	Maximum pressure and temperature range are dependent on tube diameter used.
Working Temperature	-80° to 150° F (-62° to 66° C)

Packaging

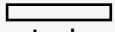
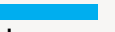
Tubepack®: 100ft, 250ft, 25m and 100m
Reels: 500ft





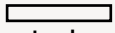
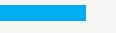
low density polyethylene fractional inch

100ft Tubepack®

ØD in	I.D. in	 R	 natural	 black	 blue	Weight (lbs/100ft)
5/32	.106	1	72030	—	—	3.70
1/4	.170	1	62440	62441	62443	10.50
3/8	.250	1-1/4	62660	62661	—	24.46
1/2	.375	2-1/2	—	—	—	33.56

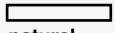
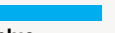
low density polyethylene fractional inch

500ft Tubepack®

ØD in	I.D. in	 R	 natural	 black	 red	 blue	 green	 yellow	Weight (lbs/250ft)
5/32	.106	1	75030	—	—	—	—	—	10.25
1/4	.170	1	64440	64441	64442	64443	64444	64445	39.37
5/16	.187	1-1/8	64550	—	—	—	—	—	48.77
3/8	.250	1-1/4	64660	64661	64662	64663	64664	—	61.15
1/2	.375	2-1/2	69880	69881	—	—	69884	—	83.90

low density polyethylene metric

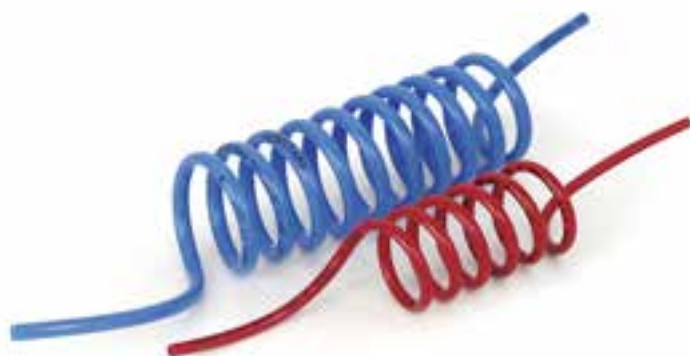
100ft Tubepack®

ØD in	I.D. in	 R	 natural	 black	 blue	Weight (Kg/25m)
6	4	25	72060	72061	72063	4.5
8	6	38	72080	72081	72083	6.4
10	7	38	72110-XX	—	72113-XX	11.8
12	9	63	72130	—	72133	14.5

Consult factory for diameters and colors not shown in catalog. (480) 830-0216



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Nylon Coil Tubing

Nycoil coil tubing has a lasting memory after multiple uses, offering an alternative to reels for excellent ergonomics and space saving. The pre-assembled tubes are equipped with a protection spring, preventing damage to the ends.

Product Advantages:

Excellent Mechanical Properties

- Low pressure drop
- Good chemical compatibility
- Self-retracting

Applications:

- MRO
- Pneumatic Tools
- Transportation
- Lubrication
- Industrial Cleaning
- Robotics

Specifications:

Compatible Fluids Compressed air, lubricants
up to 250 psi (17 bar)

Working Pressure Maximum pressure and temperature range are dependent on tube diameter used.

Working Temperature -40° to 200° F (-54° to 93° C)



Packaging

Plastic bags

nylon coil fractional inch

6ft

ØD in	I.D. in	 blue	 yellow	unit length ft	working length ft	coil ØD in	 oz
1/4	3/16	N3AS3-06	N3AS5-06	6	4.8	2-1/2	4.80
5/16	1/4	N4AS3-06	–	6	4.8	3	4.80

nylon coil fractional inch

12ft

ØD in	I.D. in	 blue	 yellow	unit length ft	working length ft	coil ØD in	 oz
1/4	3/16	N3AS3-12	N3AS5-12	12	9.6	2-1/2	4.80
5/16	1/4	N4AS3-12	N4AS5-12	12	9.6	3	6.40

nylon coil fractional inch

17ft

ØD in	I.D. in	 blue	 yellow	unit length ft	working length ft	coil ØD in	 oz
1/4	3/16	–	N3AS5-17	17	13.6	2-1/2	4.80
5/16	1/4	N4AS3-17	–	17	13.6	3	8.00

nylon coil fractional inch

25ft

ØD in	I.D. in	 blue	 yellow	unit length ft	working length ft	coil ØD in	 oz
1/4	3/16	N3AS3-25	N3AS5-25	25	20	2-1/2	7.20
5/16	1/4	–	N4AS5-25	25	20	3	9.60

nylon coil fractional inch

50ft

ØD in	I.D. in	 blue	 yellow	unit length ft	working length ft	coil ØD in	 oz
1/4	3/16	N3AS3-50	N3AS5-50	50	40	2-1/2	10.40
5/16	1/4	–	N4AS5-50	50	40	3	14.40



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Polyurethane Coil Tubing

Nycoil polyurethane 95A durometer coiled tubing is perfectly suited for installations requiring flexibility with a reduced work space. Good resistance to shock and abrasion, together with a design integrating straight ends, allow for easy and safe operation of pneumatic equipment.

Product Advantages:

Excellent Mechanical Properties

- Excellent coil memory
- Abrasion-resistant
- Perfect for rapid cycling applications
- Consistent tensile strength
- Low pressure drop
- Thread sealant applied on swivel fittings

Features

- 8" tail on working (tool) end eliminates tangling of the tool with the coils
- 16" tail on supply end makes the connection to the air source easy
- 63% lighter than equivalent rubber air hoses
- 100% kink proof
- Flexible

Applications:

- Pneumatic Tools
- Air Drops
- Blowguns
- Carpentry
- Auto Repair

Specifications:

Compatible Fluids Compressed air
up to 150 psi (10 bar)

Working Pressure Maximum pressure and temperature range are dependent on tube diameter used.

Working Temperature -40° to 165° F (-40° to 74° C)

Packaging

Plastic bags



polyurethane coil fractional inch

10ft

ØD in	I.D. in	blue	yellow	unit length ft	working length ft	coil ØD in	
5/16	3/16	—	—	10	9.2	2-1/8	8.0
3/8	1/4	U4103	—	10	9.2	2-1/2	8.0

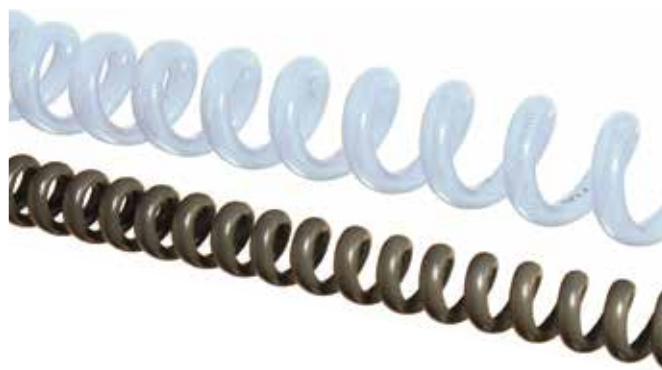
polyurethane coil fractional inch

15ft

ØD in	I.D. in	blue	yellow	unit length ft	working length ft	coil ØD in	
5/16	3/16	—	U3155	15	13.8	2-1/8	8.8
3/8	1/4	—	—	15	13.8	2-1/2	9.6



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Polyurethane 95A Mini Coil Tubing

This recoil hose offers all the advantages of polyurethane, combining the durability and kink resistance of bulkier braided hoses with great elasticity and maximum flexibility.

Product Advantages:

Excellent Mechanical Properties

- Super flexible
- Abrasion-resistant
- Tight diameter
- Low tension retractability minimizes user fatigue
- 100% kink proof

Applications:

- Pneumatic Tools
- Instrumentation
- Robotics
- Control Circuits
- Applications requiring constant or intermittent motion

Specifications:

Compatible Fluids Compressed air, industrial fluids
up to 233 psi (16 bar)

Working Pressure Maximum pressure and temperature range are dependent on tube diameter used.

Working Temperature -40° to 165° F (-40° to 74° C)

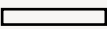
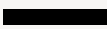
Packaging

Plastic bags



polyurethane 95A mini coil fractional inch

7ft

ØD in	I.D. in	 clear	 black	unit length ft	working length ft	coil ØD in	
5/32	.093	-	-	7	6.0	7/8	.75
1/4	.160	-	48471	7	6.0	1 1/2	1.75



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3000 71 00 | tube cutter

Part Number	H in	L in	oz
3000 71 00	.98	3.11	1.09

This tool will cut all resilient plastic tube (e.g. nylon, fluoropolymer, polyurethane, braided PVC, soft rubber, etc.) from 1/8 to 1/2 and 3mm to 16mm diameter inclusive. It is designed to give a clean cut at right angles to the tube axis. A spring maintains the cutter in the closed position.

3000 71 11 | tube cutter for tubing & push-on hose

Part Number	oz
3000 71 11	1.09

For hoses up to 1" (25mm)
spare blade: 3000 71 11 05

3110/3330 | caps/manual release button
Fractional Inch

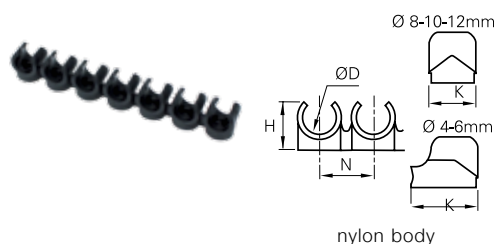
O.D. Tube in							oz
1/8	3110 53 00	-	3110 53 02	3110 53 03	3110 53 04	3110 53 05	.04
5/32	3110 04 00	3330 04 01	3110 04 02	3110 04 03	3110 04 04	3110 04 05	.04
3/16	3330 55 00	3330 55 01	3330 55 02	3330 55 03	3330 55 04	3330 55 05	.04
1/4	3110 56 00	3330 56 01	3110 56 02	3110 56 03	3110 56 04	3110 56 05	.04
5/16	3110 08 00	-	3110 08 02	3110 08 03	3110 08 04	3110 08 05	.04
3/8	3110 60 00	-	3110 60 02	3110 60 03	3110 60 04	3110 60 05	.04
1/2	3110 62 00	3330 62 01	3110 62 02	3110 62 03	3110 62 04	3110 62 05	.04

Metric



O.D. Tube mm							kg
4	3110 04 00	3330 04 01	3110 04 02	3110 04 03	3110 04 04	3110 04 05	.001
6	3110 06 00	3330 06 01	3110 06 02	3110 06 03	3110 06 04	3110 06 05	.001
8	3110 08 00	-	3110 08 02	3110 08 03	3110 08 04	3110 08 05	.001
10	3110 10 00	-	3110 10 02	3110 10 03	3110 10 04	3110 10 05	.001
12	3110 12 00	-	3110 12 02	3110 12 03	3110 12 04	3110 12 05	.001
14	3110 14 00	-	3110 14 02	3110 14 03	3110 14 04	3110 14 05	.001

In all sizes of the LF3000 fittings, except 3/16, the push button is an integral part of the design which makes it non-removable, and comes standard in black. For identification of the circuits, colored caps (p/n 3110) fit over the black push button.

Clip | clip strips for tubing and fittings

ØD Tube	Ø LF3000 to be clipped	Part Number	H mm	K mm	N mm	Number of clips per strip	kg
5/32, 4mm		Clip 04 00	9	13.5	10.5	8	.00
1/4, 3/16, 6mm		Clip 06 00	10.5	13	10.5	8	.00
5/16, 8mm	5/32, 4mm	Clip 08 00	12.5	10.5	12	7	.009
3/8, 10mm	1/4, 6mm	Clip 10 00	14	12	15	6	.010
1/2, 12mm		Clip 12 00	16.5	14	16.5	5	.011
14mm	5/16, 8mm	Clip 14 00	18	16	20.5	4	.011

Clip strips come complete with screws of .375 inches in length.



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Compatibility of Legris fittings and tubing

The chart below summarizes the compatibility of Legris fittings and tubing. In order to obtain the best performance of connection assembly, the user should take into account the individual technical specification of both the fitting and tubing.

Fittings	Tubing				
	Nylon Semi-Rigid	Polyurethane	Nylon and Polyurethane Rocoil Tubing	Fluoropolymer FEP 140	Polyethylene
LF3000 system	●	●	●	●	●
Function valves	●	●	●	●	
LF3600 system	●	●	●	●	●
LF3800 system	●	●	●	●	●
Brass compression	●*	●*	●*	●	●*
Cartridges	●	●			●
Stainless steel compression	●*	●*		●	
C9000 safety coupler	●	●	●		
Metal quick disconnect couplers	●	●	●	●	
Blowguns	●	●	●		●
LIQUIfit					●

* tube support must also be used

At high temperature and pressure or during oscillating movements, the use of a tube support prevents distortion of the tube which guarantees effective gripping and sealing.

Packaging for Tubing



Tubepack®

- 50ft, 100ft, 250ft, 25m and 100m lengths
- Easy identification of the material, size and color of tubing
- Cleaner storage in warehouse, can be stored vertically or horizontally



Reels

- 500ft
- Supplied with protective plastic film

PART # PAGE

0101...39	E16	146HBLFSV	F19	3014	A9, A50	328HB	B41	391P	E35	62CBH	E9	7631	D20	9L85	G9
0110...70	E24	151	E30	3018	A22	329HB	B41	391PSS	E36	62P	E35	7640	D18	AQRT	B28, J31
0118...39	E19	164C	E9	3036	A30	3300	A40	392P	E36	62PBH	E35	7645	D18	BU	B24, B34
0119...39	E20	164C	E9	3049	A25	3304	A32	392PSS	E36	62PTBH	E35	7649	D18	CAP	B25
0124 40	E28	164P	E35	3091	A43	3306	A32	393P	E36	6300	C6	7660	D15-D16	CLIP	A45, K12
0644	H7	165	E26	30GH	B42	3320	A41	393PD	E37	6302	B8	7662	D16	CU	B24
0645	H5	166	E23	309HB	B39	3321	A41	393PDSS	E37	6304	B9	7665	D15	EU	B23, B34
0646	H6	167	H7	3100	C4	3329	A41	393PSS	E37	6306	B8	7668	D15	FA	B22
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Regional transports
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Key Products

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Fuel tank inerting systems
Hydraulic systems & components
Thermal management
Wheels & brakes



Automation

Key Markets

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Conveyor & material handling
Factory automation
Food & beverage
Life sciences & medical
Machine tools
Packaging machinery
Paper machinery
Plastics machinery
Primary metals
Safety & security
Semiconductor & electronics
Transportation & automotive

Key Products

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Human machine interfaces
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Manifolds
Miniature fluidics
Pneumatic actuators & grippers
Pneumatic valves & controls
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Stepper motors, servo motors, drives & controls
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Key Markets

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Construction Machinery
Food & beverage
Industrial machinery
Life sciences
Oil & gas
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Process
Refrigeration
Transportation

Key Products

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Advanced actuators
CO₂ controls
Electronic controllers
Filter driers
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Heat exchangers
Hose & fittings
Pressure regulating valves
Refrigerant distributors
Safety relief valves
Smart pumps
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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 & driers
Engine air, coolant, fuel & oil filtration systems
Fluid condition monitoring systems
Hydraulic & lubrication filters
Hydrogen, nitrogen & zero air generators
Instrumentation filters
Membrane & fiber filters
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Water desalination & purification filters & systems



Fluid Connectors

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
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Instrumentation

Key Markets

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Medical & dental
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Pharmaceuticals
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Key Products

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Process control double block & bleeds
Process control fittings, valves, regulators & manifold valves



Seal

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

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EMI shielding
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