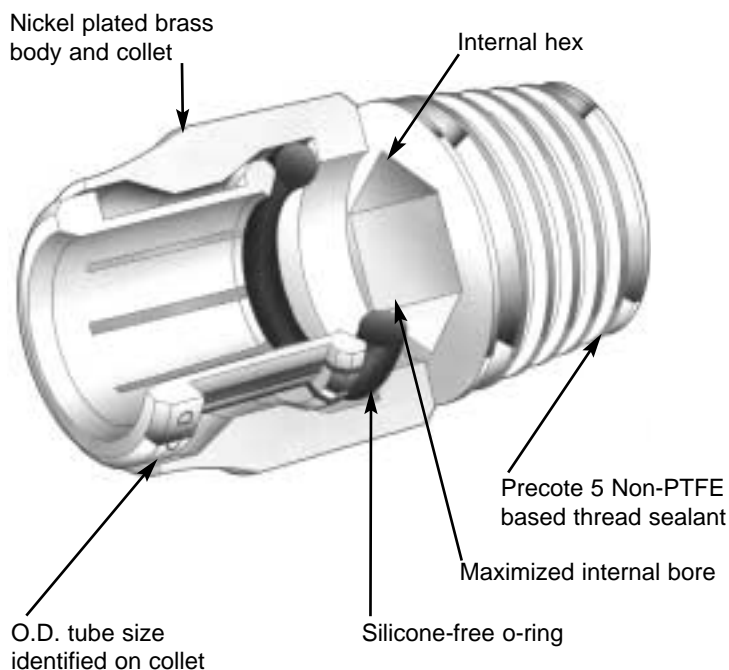


Pneufit® Metric Series Push-In Tube Fittings

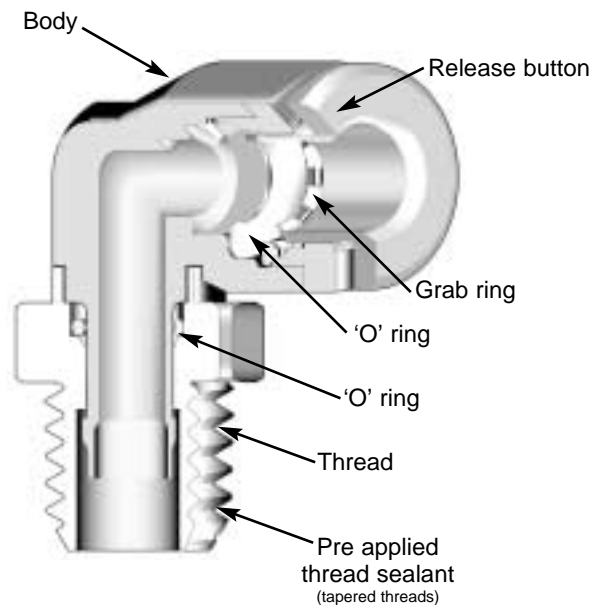
4 mm to 14 mm Tube Sizes
M5 to 1/2" ISO G and ISO R
Thread Options

Metric Series Product Numbering System	FIT-2-2
Metric Series Shapes and Codes	FIT-2-3
Metric Series Specifications	FIT-2-4
Metric Series Features and Benefits	FIT-2-5
Metric Series Thread Forms	FIT-2-6
Metric Series Mating Threads	FIT-2-7
Metric Series Part Numbers and Dimensional Information ..	FIT-2-9

Pneufit 12 Series



Pneufit C2 Series





Product Numbering System

Position → **1 0 3 4 5 6 7 8 9 (V)**

Fitting Series Number

- 10 Brass push-in fittings (metric) nickel plate + washers, sealant, assembled
- 11 Plastic push-in fittings (metric)
- 12 Brass push-in fittings (inch) nickel plate + washers, sealant assembled
- 13 Plastic push-in fittings (inch)
- 15 ISO R Pipe Fittings Brass Nickel Plate
- 16 ISO G Pipe Fittings Brass Nickel Plate + Washers Assembled
- 20 ISO G Banjo Bolts
- 21 Metric WeldFit
- 33 Inch WeldFit
- C0 Pneufit Metric
- C2 Pneufit Inch

Suffix Position (Optional)

- BP Bulk packaging
- GR ISO R thread
- V Viton seals 10/12 Series only
- XA Without thread sealant

Thread Size

- | | |
|---------------|----------|
| 18 | 1/8 |
| 28 | 1/4 |
| 38 | 3/8 |
| 48 | 1/2 |
| UNF | |
| 10 | 10-32 |
| Metric | |
| 05 | M5 x 0.8 |

Thread/Banjo Bolt

- 0 No port thread
- 1 ISO R
- 2 ISO G + M5
- 4 NPTF + 10-32 UNF
- A Single bolt
- B Double bolt
- C Triple bolt
- D Single bolt M5 top port
- E Single bolt G 1/8 top port
- F Single bolt G 1/4 top port
- G Single bolt G 3/8 top port
- J Single bolt with test point
- K ISO G Single bolt - regulating out
- T ISO R Single bolt - regulating out
- V NPTF Single bolt - regulating out
- W NPTF Single bolt - regulating out
- Z NPTF Single bolt - bi-directional

Tube Size

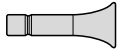
Inch O.D.		Metric O.D.	
01	1/8"	04	4 mm
02	5/32"	05	5 mm
03	3/16"	06	6 mm
04	1/4"	08	8 mm
05	5/16"	10	10 mm
06	3/8"	12	12 mm
07	1/2"	14	14 mm

Fitting Shape

See facing page for shapes and codes.



Positions 4 and 5 denote fitting shape



04 Plug – O.D. Tube Stem
p. FIT-2-36



10 Stem mounted pressure indicator –
p. FIT-2-36.



15 Stem adapter – O.D. tube stem to male thread p. Fit-2-(21-23).



19 Barb adapter – O.D. tube stem to hose bore p. FIT-2-36.



20 Union – O.D. tube to O.D. tube p. FIT-2-(11-12).



22 Double Male Union – O.D. tube stem to O.D. tube FIT-2-11.



23 Tube End Reducer – O.D. tube stem to O.D. tube p. FIT-2-13.



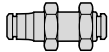
24 Self Sealing (Checked) Connector – O.D. tube to male thread p. FIT-2-20.



25 Male Connector – O.D. tube to male thread p. FIT-2-(18-20).



26 Female Connector – O.D. tube to female thread p. FIT-2-24.



29 Bulkhead Union – O.D. tube to O.D. tube p. FIT-2-14.



37 Conversion Union (metric O.D. tube to inch O.D. tube) p. FIT-2-12



40 Union Elbow – O.D. tube to O.D. tube p. FIT-2-14.



43 Stem Elbow – O.D. tube stem to O.D. tube p. FIT-2-15.



45 Male Elbow – O.D. tube to male thread p. FIT-2-25.



47 Swivel Male Elbow –O.D. tube to male thread p. FIT-2-(26-27).



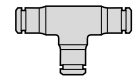
49 Swivel Bulkhead Union Elbow w/lock-nut – O.D. tube to O.D. tube p. FIT-2-15.



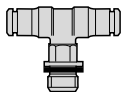
51 Banjo Elbow – O.D. tube to male thread p. FIT-2-33.



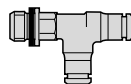
57 Swivel 45° Male Elbow – O.D. tube to male thread p. FIT-2-33.



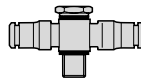
60 Union Tee – O.D. tube p. FIT-2-16.



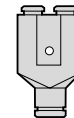
67 Swivel Male Branch Tee – O.D. tube (2) to male thread p. FIT-2-(28-29).



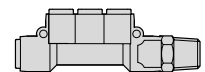
68 Swivel Male Run Tee – O.D. tube (2) to male thread p. FIT-2-(30-32).



71 Tee banjo assembly – p. FIT-2-26.
Banjo bolt p. FIT-2-(27-28).
Banjo body p. FIT-2-(28-29)



82 Parallel Union Y Connector – O.D. Tube p. FIT-2-17.



OD6 and 1D6 Manifold – multiple O.D. tube, and multiple O.D. tube to male thread p. FIT-2-38



20 Hex Nipple – Male thread p. FIT-2-37

- Reduced assembly and maintenance time.
- Expanded pressure rating.
- Pre-applied thread sealant.
- Silicone free o-rings.
- Nickel plated brass bodies and collets.
- Maximum flows in a reduced size.

Specifications

Fluid: Compressed air, nitrogen, inert and non-combustible gases compatible with materials of construction. *For other types of fluids or compressed gases, please consult factory.*

Working Pressure: 750 mm Hg to 18 bar
(29.5" Hg vacuum to 260 psig)

Note: Flow Controls working pressures:
.3 to 10 bar (5 to 150 psig)

Working Temperature: -20° to 80°C (0° to 175°F)
See Viton® Option for extended temperature range : -20° to 180°C (0° to 350°F)

Materials of Construction

Body, swivel fitting and collet: Nickel plated brass

O-ring: Silicone free Nitrile

Sealing washer (parallel male threads): Thermoplastic

Tubing: Nylon 11 or Nylon 12, Polyurethane (95 durometer or above) and LDPE (Low Density Polyethylene).

Note: Lower durometer polyurethane may be used, however, an internal tube support is required to prevent internal collapse of the tube wall.

Thread Sealant: Precote 5 thread sealant is factory applied to the circumference of tapered male threads (ISO R).



Recommended tube tolerances

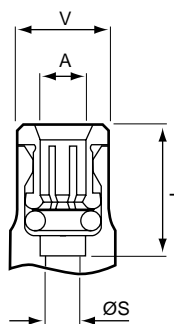
Tube O.D.	O.D. Tube Tolerances	
	Nylon	Polyurethane
4 mm to 5 mm (5/32" to 3/16")	+0.05 mm (+0.002") -0.07 mm (-0.003")	±0.10 mm (±0.004")
6 mm to 14 mm (1/4" to 1/2")	+0.05 mm (+0.002") -0.10 mm (-0.004")	

LDPE –Tolerances specified in DIN 73378 or BS54-09/1:1976

Recommended tightening torques

Thread Size	Tightening Torque Nm (ft lbs)	
	ISO R	ISO G*
M5	—	1 - 1.4 (.75 - 1.05)
1/8	6.9 - 8.8 (5.0 - 6.5)	7 - 9 (5.3 - 6.8)
1/4	11.8 - 13.7 (8.7 - 10.0)	9 - 12 (6.8 - 9.0)
3/8	21.6 - 23.5 (15.9 - 17.3)	34 - 38 (25.5 - 28.5)
1/2	27.4 - 29.4 (20.2 - 21.7)	41 - 47 (30.8 - 35.3)

* Lower torques can be used to achieve a seal but these figures are recommended to provide some vibration resistance.



Typical Dimensions mm (in.)

A O.D. Tube	S	T Tubing Stop	V
4 (5/32")	2.8 (.11)	14.0 (.55)	7.5 (.30)
5	3.4 (.13)	15.0 (.59)	10.0 (.39)
6	4.4 (.17)	15.5 (.61)	11.0 (.43)
8 (5/16")	6.0 (.24)	16.5 (.65)	13.0 (.51)
10	7.6 (.30)	21.0 (.83)	14.5 (.57)
12	9.6 (.38)	24.5 (.96)	18.0 (.71)
14	11.5 (.45)	24.5 (.96)	20.0 (.79)

Options

Viton® fluoroelastomers can be supplied for chemical compatibility or expanded temperature range requirements. To order fittings with Viton elastomers, add a "V" suffix to the part number.

Example: To order part 10 060 0600 with Viton, add "V" to the end of the number, i.e. 10 060 0600V.

The temperature range for fittings equipped with Viton elastomers is -20° to 180°C (0° to 350°F)

NOTE: Fittings equipped with ISO G (male) and M5 threads use a molded thermoplastic washer to effect a face seal. The maximum service temperature of this seal is 80°C (175°F). In the case of thread sizes G1/8 and greater, substitute the ISO R male fitting with Viton. In the case of the M5 male thread, a Viton bonded sealing washer is available for extended temperature service. Order part number 48 021 605V and use it in place of the thermoplastic seals provided with fittings incorporating M5 male threads. These washers are also suitable for use with 10-32 UNF (male) Pneufit Adapter fittings, and are supplied in packages of 10.

Pneufit C Composite Fittings Metric



Ø 3 to 10 mm O/D tube



- Releasable grab ring technology combining plastic and brass components for a compact and superior fitting design
- Colour coding option available with tamper-resistance feature. See C Clips - reference (tubing section)
- Moulded mounting brackets on tube connector designs
- Light weight design
- Red release sleeve indicates metric tube size
- Silicone free 'O' ring seals
- Grips soft PU tube through to copper and stainless steel
- Reusable 'O' ring seals on parallel threads
- Non-PTFE based thread sealant on tapered threads
- Easy tube insertion for rapid and quick assembly of pneumatic circuits
- Internal hexagon on straight adaptors allows assembly in confined spaces
- Reliable and corrosion resistant

Tube sizes

3, 4, 6, 8, 10mm O/D

Warning: The Pneufit C design is not to be used with vehicle air braking or ancillary systems. For push-in fittings suitable for these applications, please refer to the Fleetfit range or contact Technical Sales for assistance

Tube types

Nylon 11 or 12, polyurethane* and other plasticised or unplasticised tubing which conforms to the tolerances specified in DIN 73378, NFE 49-101, ISO / WD 16026, ISO / WD 16627
Copper and stainless steel

* Suitable for 85D

Torque figures

Thread sealant is applied to the full circumference of the thread. The recommended tightening torque figures for designs with thread sealant are found in the torque table below

Thread (BSPT)	Tightening torque (Nm)
1/8"	6.7 – 8.8
1/4"	11.8 – 13.7
3/8"	21.6 – 25.3
1/2"	27.4 – 29.4

Technical data

Medium:

Compressed air

Operating pressure:

Vacuum - 18 bar unless otherwise stated (dependant on tubing specification)

Ambient temperature:

-20° to +80° C

Materials

Bodies: plastic - PBT, except straight adaptors and straight stem adaptors

Straight adaptors: nickel plated brass

Straight stem adaptors: plastic - acetal

Threads: nickel plated brass

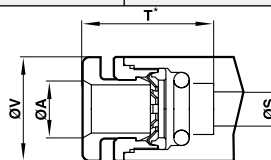
Grab ring: stainless steel - BS 1440 Pt 2, grade 301.S21

'O' rings: silicone free nitrile

Thread sealant: non PTFE

Typical dimensions (mm)

A	S†	T*	V
O/D tube	Tube stop		
3 mm	2.3	15.3	10.7
4 mm	2.8	15.3	10.7
6 mm	4.4	17.1	12.9
8 mm	6.0	19.2	14.5
10 mm	7.7	20.25	17.6



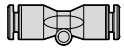
* Dimensions here and in the individual tables refer to the release button in the 'OUT' position

Dimensions here (minimum bore diameter) are common per tube size for all connectors, elbow and tees unless otherwise stated

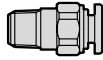


Pneufit C Composite Fittings Metric

Straight Adaptors and Connectors



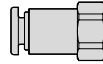
C0020 Straight connector
- tube to tube
p. FIT-2-12



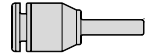
C0125 Straight adaptor
- tube to BSPT
male thread
p. FIT-2-19



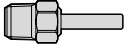
C0225 Straight adaptor
- tube to BSPP
male thread
p. FIT-2-18



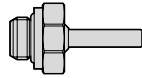
C0226 Female straight
- adaptor tube to
female BSPP thread
p. FIT-2-24



C0023 Straight stem
adaptor
- tube to stem
p. FIT-2-13



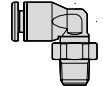
C0115 Straight stem
adaptor - stem to
BSPT male thread
p. FIT-2-22



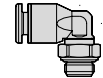
C0215 Straight stem
adaptor - stem to
BSPP male thread
p. FIT-2-21



C0040 90° Elbow
connector
- tube to tube
p. FIT-2-14



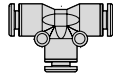
C0147 90° Swivel elbow
adaptor - tube to
BSPT male thread
p. FIT-2-27



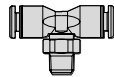
C0247 90° Swivel elbow
adaptor - tube to
BSPP male thread
p. FIT-2-26



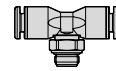
C0043 90° Stem elbow
- tube to stem
p. FIT-2-15



C0060 Tee connector -
tube to tube
p. FIT-2-16



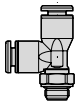
C0167 Swivel tee adaptor
- tube to BSPT
male thread
p. FIT-2-29



C0267 Swivel tee adaptor
- tube to BSPP
male thread
p. FIT-2-28

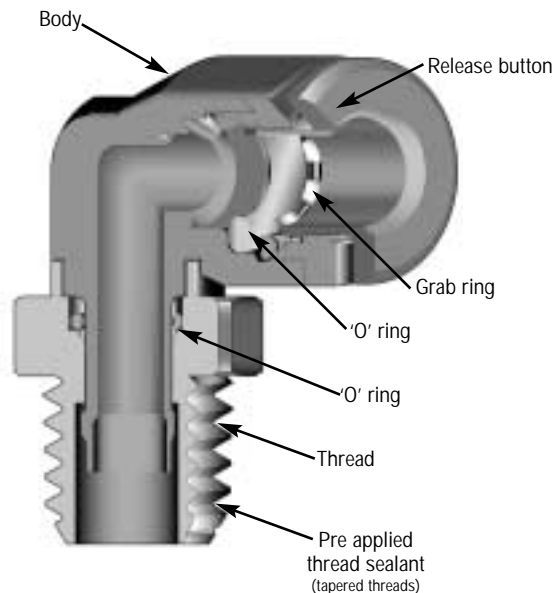


C0168 Swivel side tee
adaptor - tube to
BSPT male thread
p. FIT-2-32



C0268 Swivel side tee
adaptor - tube to
BSPP male thread
p. FIT-2-30

Pneufit C construction:
90° swivel elbow adaptor





NORGREN metric push-in fittings provide a simple means of connecting compressed air products to system piping. They are designed for use with flexible thermoplastic tubing and are available in a wide range of configurations to fit nearly every conceivable application.

Reduced Assembly and Maintenance Time

Norgren Push-In Fittings reduce assembly time by 70 to 80% by eliminating the time consuming insertion of ferrules and wrenching of compression nuts. Also, no tools are required for the insertion or removal of tubing from fittings, simplifying plumbing modifications and repairs.

Reduced Installation Distances

All straight Norgren Push-In Fittings feature internal hexes. Since the wrench is applied internally to the fittings rather than externally, the fittings can be located virtually shoulder to shoulder.

Expanded Pressure Rating

With a pressure operating range of 750 mm Hg vacuum to 18 bar (29.5" Hg vacuum to 260 psig), one fitting covers over 98% of applications, extending the usable range of push-in fittings and reducing both inventory and stocking requirements.

Pre-applied thread sealant

Precote 5, a non-PTFE based thread sealant is applied to the circumference of all tapered male threads (ISO R); thermoplastic sealing washers are supplied on all parallel male threads (ISO G). This added feature eliminates the necessity of having to seal threads, reducing the possibility of system contamination with PTFE tape. Precote 5 thread sealant has a four year minimum shelf life, connections can be remade into the same port up to six times, it is inert, has a maximum service temperature of 180°C (350°F), and since it does not contain PTFE is accepted by the Pharmaceutical and Tobacco Industries.

Silicone Free O-rings

Silicone will migrate to product surfaces during the finishing process creating unsightly "fish eyes" that require costly rework. All O-rings used in Norgren Fittings are silicone free, a mandatory requirement of both the automotive and product finishing industry.

Nickel Plated Brass Bodies and Collets

Nickel plating gives Pneufit a uniform stainless steel like appearance, does not tarnish like brass and provides an added degree of corrosion resistance.

Size Identification

All collets or release buttons are marked with the O.D. tube size in millimeters, fractional inch, or both, providing instant tube size identification. Stem fittings have two grooves for inch and one groove for metric.

Anti-kink design (Pneufit only)

Pneufit Collets are designed to rotate freely within the fitting's body. This eliminates the troublesome kinking and twisting that can occur when tubes are retained in a rigid connection.

Maximum Flows in a Reduced Size

Maximized internal bores provide optimal flows, while forged brass bodies deliver maximum strength, reduced weights (over extruded types) and reduced envelope size.

Conveniently Packaged

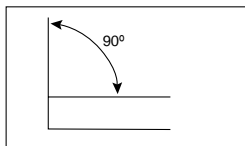
Stocking and inventory are simplified because Push-In Fittings are packaged in boxes of ten, with product number, shape and sizes prominently displayed on the box.

Internationally significant part numbering system

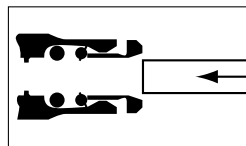
A numbering system that identifies all aspects of the product is a standard feature, with support and availability provided world wide by a network of NORGREN distributors.

Method of Assembly

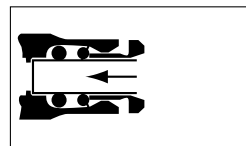
Pneufit



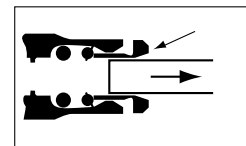
1. Ensure that the tube end is cut square and is free of burrs.



2. Push the tube through the collet into the fitting.

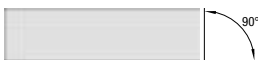


3. Continue pushing the tube (firmly) through the O-ring until it bottoms on the tube stop, then pull back



4. To disconnect, push the tube into the fitting until it bottoms on the tube stop. Then while holding down the collet, withdraw the tube.

Pneufit C



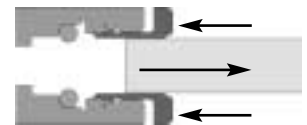
1. Ensure that the end of the tube is cut square and is free from burrs.



2. Push the tube through the release button and grab ring into the fitting.



3. Push the tube firmly through the 'O' ring until it bottoms on the tube stop then pull back.



4. To disconnect, push the tube into the fitting, hold down the release button and withdraw the tube.



M5 A metric machine screw thread (M5 x 0.8) 5 mm in diameter with 0.8 mm between threads. Used on miniature pneumatic products it is nearly identical in size to a 10-32 UNF thread. Port sealing is effected by a thermoplastic washer which creates a static face seal.

ISO G Designed to mate with threads conforming to ISO Standard 228/1, a parallel pipe thread available in both male and female forms. ISO G ports feature a flat surface perpendicular to the axis of the port on which a washer incorporated into the male fitting establishes a static face seal, (reference ISO 1179).

ISO G series threads are usually designated in the following manner, with a 1/4 size pipe thread being indicated in this example: G1/4. This format is always used with female threads, however, in some, but not all instances, male threads may include an "A" or "B" suffix following the port size indicating the thread class, (typically "A"). Example: G 1/4A.

In addition to itself, the ISO G thread form will also mate with British Standard Pipe Parallel (BSPP) and Japanese Industrial Standard Parallel per JIS B 0202. As both the BSPP and JIS B 0202 standards do not define an area for the ISO G static seal to engage, some form of thread sealant must be applied to the thread to prevent spiral leakage.

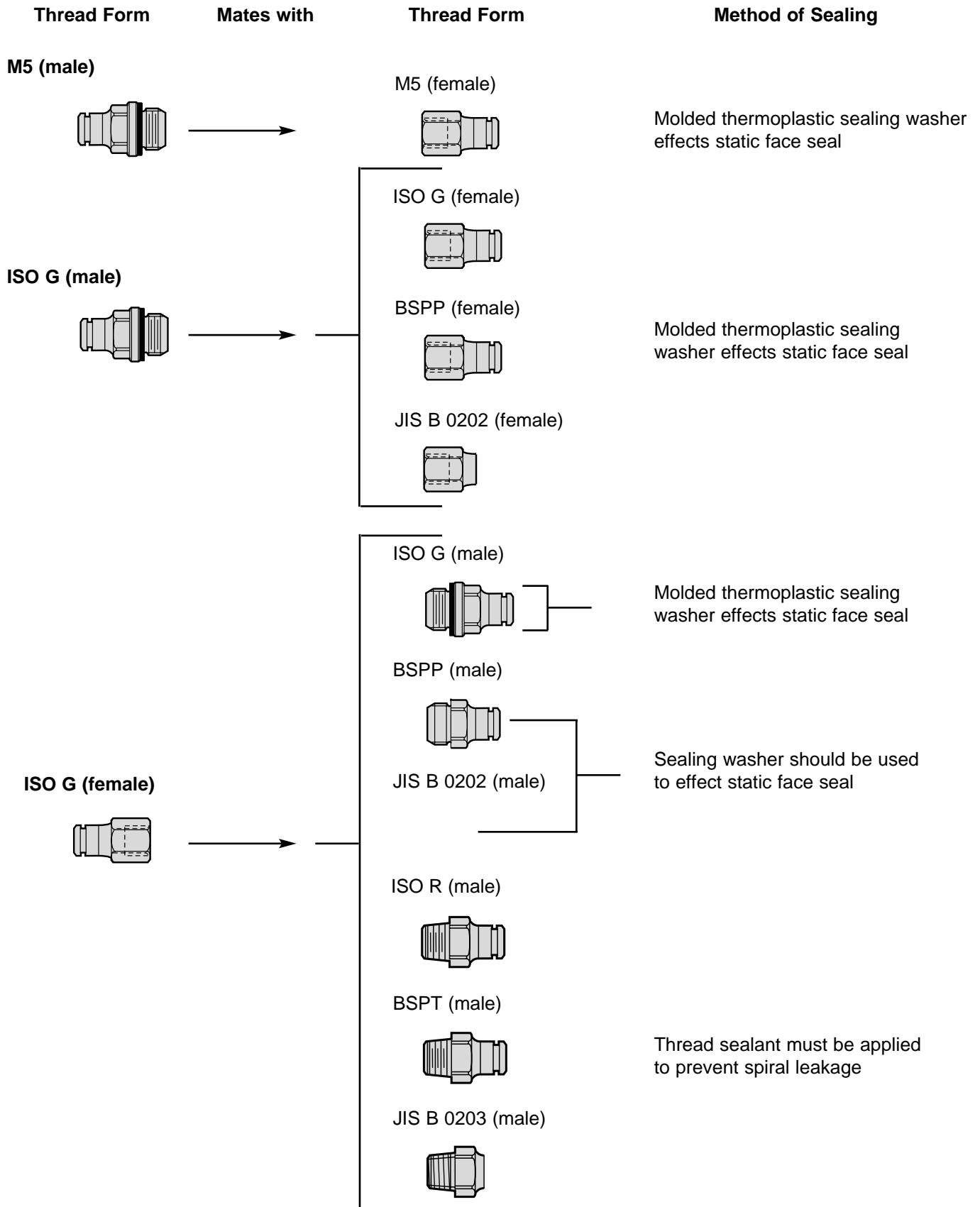
ISO R Designed to mate with threads conforming to ISO Standard 7/1, a tapered pipe thread available in male form. ISO R ports are similar to NPTF threads, they form a pressure tight joint via an interference fit as they are tightened, (thread sealant is recommended). To insure a pressure tight seal, Pneufit ISO R male pipe threads are supplied with Precote 5 thread sealant.

ISO R male series threads are usually designated in the following manner, with a 1/4 size pipe thread being indicated in this example: R 1/4.

ISO R female series threads are usually designated in the same manner, but with a "c" subscript. Example: R_c1/4.

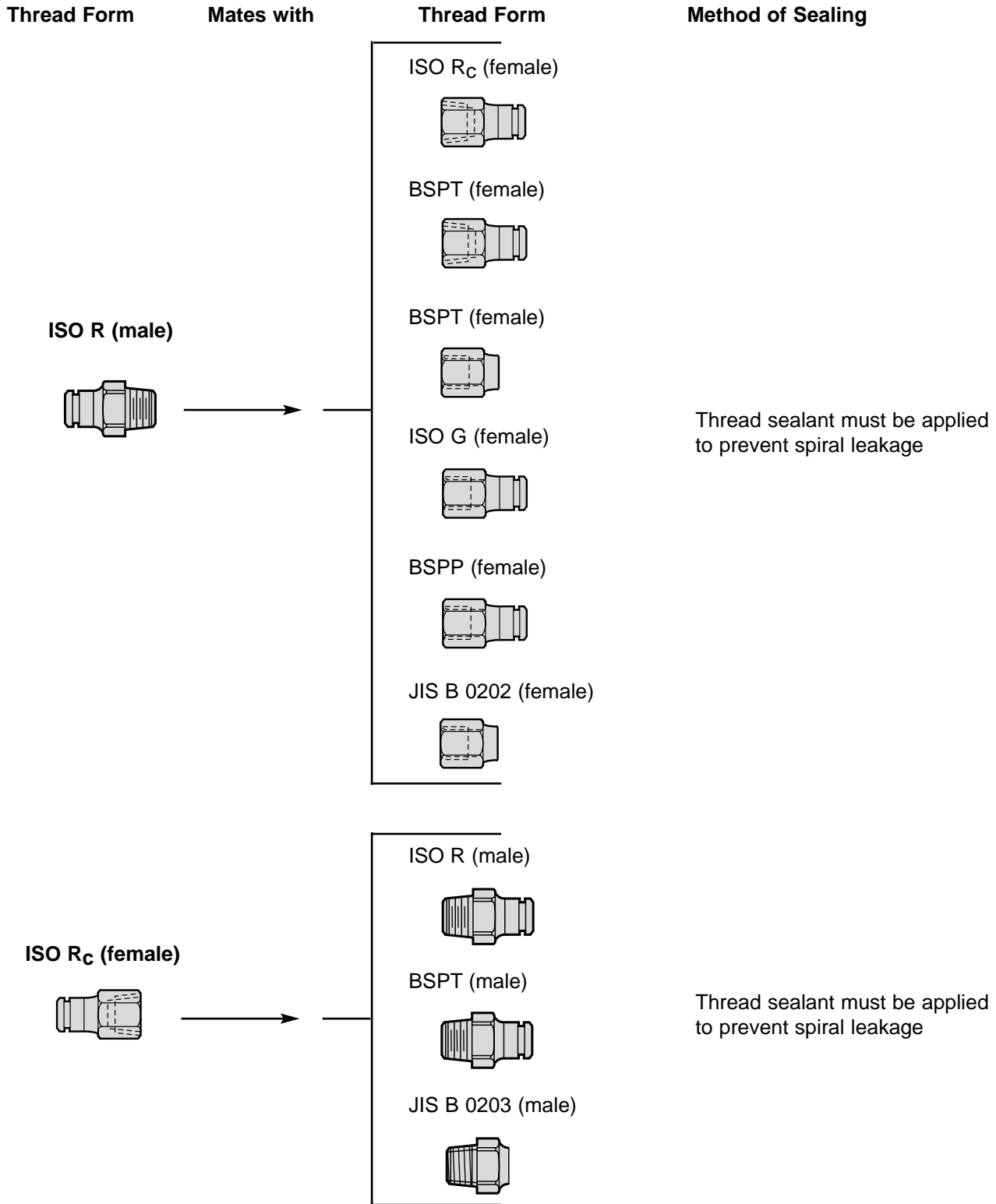
In addition to itself, the ISO R thread form will also mate with British Standard Pipe Tapered (BSPT) and Japanese Industrial Standard Tapered Pipe (PT) per JIS B 0203. Some form of thread sealant must be applied to the thread to prevent spiral leakage.

ISO R male threads will also effect a seal with ISO G, BSPP and JIS B 0202. In all cases, some form of thread sealant must be applied to the thread to prevent spiral leakage.



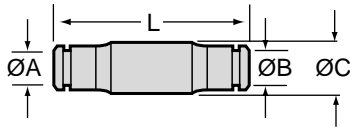


Pneufit Metric Series Mating Threads



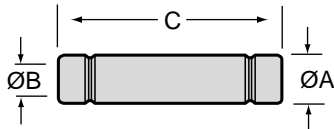


Pneufit Union



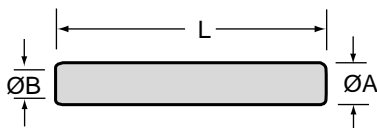
A Tube O.D.	Part Number	L	C
4	10 020 0400	29.8 (1.17)	10.0 (.39)
5	10 020 0500	31.9 (1.26)	11.0 (.43)
6	10 020 0600	32.4 (1.28)	12.0 (.47)
8	10 020 0800	34.4 (1.35)	14.0 (.55)
10	10 020 1000	43.4 (1.71)	17.0 (.67)
12	10 020 1200	50.4 (1.98)	20.5 (.81)
14	10 020 1400	50.4 (1.98)	21.0 (.83)

Pneufit Double Male Union (Brass)



A Stem O.D.	Part Number	B	C
4	10 022 0400	2.4 (.09)	30.2 (1.19)
5	10 022 0500	3.4 (.13)	33.2 (1.31)
6	10 022 0600	4.0 (.16)	34.0 (1.34)
8	10 022 0800	6.0 (.24)	36.0 (1.42)
10	10 022 1000	7.6 (.30)	45.0 (1.77)
12	10 022 1200	9.6 (.38)	52.0 (2.05)
14	10 022 1400	11.5 (.45)	51.8 (2.04)

Pneufit Double Male Union (Plastic)



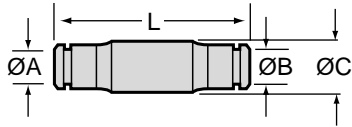
A Stem O.D.	Part Number	B	L
4	11 022 0400	2.5 (.10)	30.2 (1.19)
5	11 022 0500	3.3 (.13)	33.2 (1.31)
6	11 022 0600	4.0 (.16)	34.0 (1.34)
8	11 022 0800	5.4 (.21)	36.0 (1.42)
10	11 022 1000	7.0 (.28)	45.0 (1.77)
12	11 022 1200	8.5 (.33)	52.0 (2.05)
14	11 022 1400	11.0 (.43)	51.8 (2.04)



Metric Series Push-In Fittings

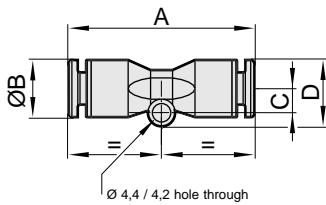
Dimensions in mm (inches)

Pneufit Conversion Union (Inch tube to mm tube)



A Inch O.D.	B mm O.D.	Part Number	C	L
5/32	4	12 020 0200	9.0 (0.39)	29.8 (1.17)
3/16	5	12 037 0305	11.0 (0.43)	32.0 (1.26)
1/4	6	12 037 0406	12.0 (0.47)	32.5 (1.28)
5/16	8	12 020 0500	14.0 (0.55)	34.4 (1.35)
3/8	10	12 037 0610	17.0 (0.67)	43.4 (1.71)
1/2	12	12 037 0712	20.5 (0.81)	50.3 (1.98)

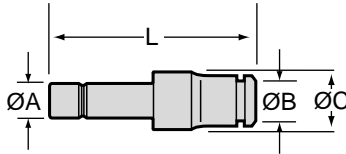
Pneufit C Conversion Union (Inch tube to mm tube)



O.D. Tube	Part Number	A	B	C	D
3	C00200300	33.5	10.7	5.0	13.6
4	C002004003	3.5	10.7	5.0	13.6
6	C00200600	39.0	12.9	6.0	15.7
8	C00200800	43.5	14.5	7.0	17.5
10	C00201000	48.0	17.4	8.0	20.1

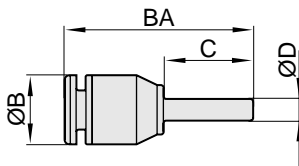


Pneufit Tube End Reducer



A Stem O.D.	B Tube O.D.	Part Number	L	C
5	4	10 023 0504	33.4 (1.31)	10.0 (.39)
6	4	10 023 0604	33.9 (1.33)	10.0 (.39)
	5	10 023 0605	35.2 (1.39)	11.0 (.43)
8	4	10 023 0804	30.9 (1.22)	10.0 (.39)
	5	10 023 0805	33.2 (1.31)	11.0 (.43)
	6	10 023 0806	36.7 (1.44)	12.0 (.47)
10	4	10 023 1004	30.9 (1.22)	12.0 (.47)
	5	10 023 1005	36.7 (1.44)	12.0 (.47)
	6	10 023 1006	37.7 (1.48)	12.0 (.47)
	8	10 023 1008	38.2 (1.50)	14.0 (.55)
12	4	10 023 1204	34.9 (1.37)	14.0 (.55)
	5	10 023 1205	35.2 (1.39)	14.0 (.55)
	6	10 023 1206	35.2 (1.39)	14.0 (.55)
	8	10 023 1208	42.2 (1.66)	14.0 (.55)
	10	10 023 1210	50.2 (1.98)	17.0 (.67)
14	6	10 023 1406	36.7 (1.44)	16.0 (.63)
	8	10 023 1408	37.7 (1.48)	16.0 (.63)
	10	10 023 1410	46.7 (1.84)	17.0 (.67)
	12	10 023 1412	53.7 (2.11)	20.5 (.81)

Pneufit C Tube End Reducer



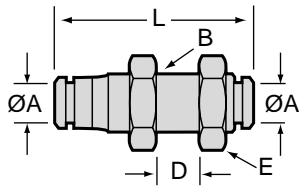
O.D. Tube	Stem	Part Number	A	B	C	D
4	5	C00230504	34.5	10.7	18	5.0
4	6	C00230604	35.5	10.7	19	6.0
4	8	C00230804	35.0	10.7	21	8.0
4	10	C00231004	37.0	10.8	24.0	10
6	4	C00230406	36.0	13.0	17	4.0
6	8	C00230806	39.5	13.0	21	8.0
6	10	C00231006	40.5	13.0	10.0	24
8	6	C00230608	40.5	14.5	19	6.0
8	10	C00231008	45.5	14.5	10.0	24



Metric Series Push-In Fittings

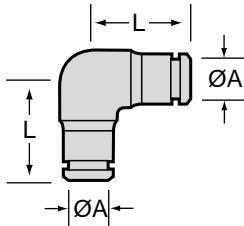
Dimensions in mm (inches)

Pneufit Bulkhead Union



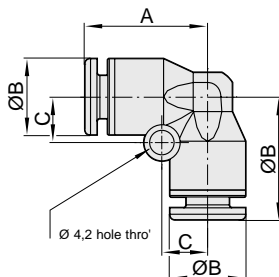
A Tube O.D.	Part Number	B Metric Thread	Panel Hole ϕ	E A/F	D Max	L
4	10 029 0400	M10x1.0	10.5 (0.42)	14 (.55)	12 (.47)	29.8 (1.17)
5	10 029 0500	M12x1.0	12.5 (0.49)	17 (.67)	14 (.55)	31.9 (1.26)
6	10 029 0600	M14x1.5	14.5 (0.57)	19 (.75)	15 (.59)	32.4 (1.28)
8	10 029 0800	M16x1.5	16.5 (0.65)	22 (.87)	16 (.63)	34.4 (1.35)
10	10 029 1000	M20x1.5	20.5 (0.81)	27 (1.06)	14 (.55)	43.4 (1.71)
12	10 029 1200	M24x1.5	24.5 (0.96)	30 (1.18)	15 (.59)	50.4 (1.98)
14	10 029 1400	M24x1.5	24.5 (0.96)	30 (1.18)	15 (.59)	50.4 (1.98)

Pneufit Union Elbow



A Tube O.D.	Part Number	L
4	10 040 0400	15.5 (.61)
5	10 040 0500	18.4 (.72)
6	10 040 0600	19.6 (.77)
8	10 040 0800	21.3 (.84)
10	10 040 1000	26.7 (1.05)
12	10 040 1200	31.7 (1.25)
14	10 040 1400	33.2 (1.31)

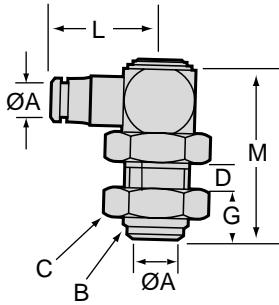
Pneufit C Union Elbow



O.D. Tube	Part Number	A	B	C
3	C00400300	18.0	10.7	6.5
4	C00400400	18.0	10.7	6.5
6	C00400600	21.0	12.9	7.7
8	C00400800	25.0	14.5	7.25
10	C00401000	27.5	17.4	8.35



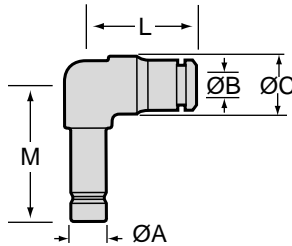
Pneufit Swivel Bulkhead Union Elbow



CAUTION: Swivel Adapters are not suitable for use in continuously rotating or gyrating applications.

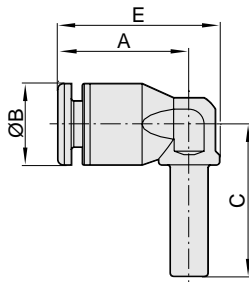
Product Number	A Tube O.D.	M	C A/F	L	B thread	Panel Hole ø	D max	G
10 049 0400	4	35.5 (1.40)	17 (.67)	20.6 (.81)	M12x1.0	10.5 (0.42)	7 (.28)	7.0 (.28)
10 049 0500	5	35.7 (1.41)	17 (.67)	21.7 (.85)	M12x1.0	12.5 (0.49)	7 (.28)	7.2 (.28)
10 049 0600	6	40.0 (1.57)	19 (.75)	24.2 (.95)	M14x1.5	14.5 (0.57)	7 (.28)	8.2 (.32)
10 049 0800	8	45.2 (1.78)	22 (.87)	26.7 (1.05)	M16x1.5	16.5 (0.65)	7 (.28)	8.2 (.32)
10 049 1000	10	49.2 (1.94)	27 (1.06)	31.7 (1.25)	M22x1.5	20.5 (0.81)	9 (.35)	9.2 (.36)
10 049 1200	12	53.8 (2.12)	30 (1.18)	38.2 (1.50)	M24x1.5	24.5 (0.96)	12 (.47)	9.2 (.36)
10 049 1400	14	56.8 (2.24)	32 (1.26)	38.2 (1.50)	M26x1.5	24.5 (0.96)	15 (.59)	9.2 (.36)

Pneufit Stem Elbow



A Stem O.D.	B Tube O.D.	Part Number	C	L	M
4	4	10 043 0400	10.0 (.39)	9.4 (.37)	25.0 (.98)
6	6	10 043 0600	12.0 (.47)	18.9 (.74)	27.5 (1.08)
8	8	10 043 0800	14.0 (.55)	21.2 (.83)	29.5 (1.16)

Pneufit C Stem Elbow

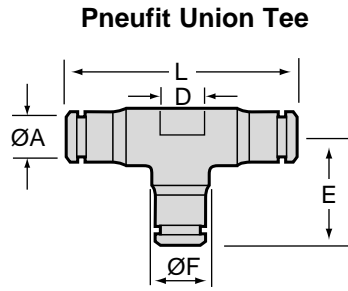


O.D. Tube	Stem	Part Number	A	B	C	E
4	4	C00430400	18.0	10.7	21.0	22.5
6	6	C00430600	21.0	12.9	24.5	26.0
8	8	C00430800	25.0	14.5	27.3	31.5



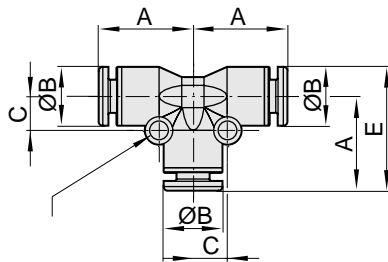
Metric Series Push-In Fittings

Dimensions in mm (inches)



A Tube O.D.	Part Number	L	D A/F	E	F
4	10 060 0400	33.8 (1.33)	7.0 (.28)	16.9 (.67)	10.1 (.40)
5	10 060 0500	36.8 (1.45)	7.0 (.28)	18.4 (.72)	11.1 (.44)
6	10 060 0600	39.2 (1.54)	8.0 (.31)	19.6 (.77)	12.1 (.48)
8	10 060 0800	42.6 (1.68)	11.0 (.43)	21.3 (.84)	14.3 (.56)
10	10 060 1000	53.4 (2.10)	13.3 (.52)	26.7 (1.05)	17.1 (.67)
12	10 060 1200	63.4 (2.50)	16.0 (.63)	31.7 (1.25)	20.6 (.81)
14	10 060 1400	66.4 (2.61)	17.0 (.67)	33.2 (1.31)	21.6 (.85)

Pneufit C Union Tee



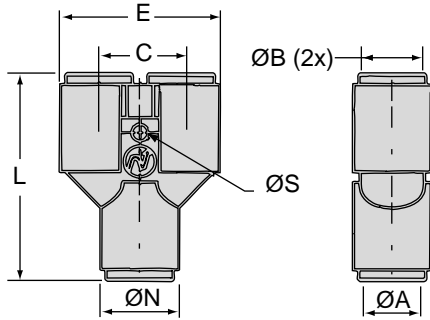
O.D. Tube	Part Number	A	B	C	E
3	C00600300	18.0	10.7	6.5	23.5
4	C00600400	18.0	10.7	6.5	23.5
6	C00600600	21.0	12.9	7.7	27.5
8	C00600800	25.0	14.5	7.25	32.5
10	C00601000	27.5	17.4	8.35	36.5

Metric Series Push-In Fittings

Dimensions in mm (inches)



Pneufit Parallel Union "Y" Connector*

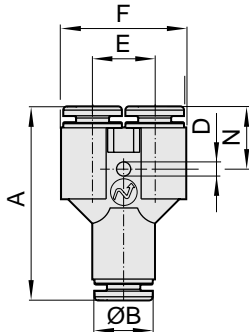


A Tube O.D.	B Tube O.D.	Part Number	C	E	L	ØN	ØS**
4	4	12 082 0200	11.0 (0.43)	22.0 (0.87)	34.0 (1.34)	11.0 (0.43)	3.2 (0.13)
6	6	10 082 0600	14.0 (0.55)	27.0 (1.06)	38.4 (1.51)	13.0 (0.51)	3.2 (0.13)
8	8	12 082 0500	16.0 (0.63)	31.0 (1.22)	40.4 (1.59)	15.0 (0.59)	3.2 (0.13)
10	10	10 082 1000	20.6 (0.81)	42.0 (1.65)	49.4 (1.94)	20.0 (0.79)	4.2 (0.17)
6	4	10 082 0604	14.0 (0.55)	27.0 (1.06)	38.2 (1.50)	13.0 (0.51)	3.2 (0.13)
8	6	10 082 0806	16.3 (0.64)	31.0 (1.22)	40.4 (1.59)	15.0 (0.59)	3.2 (0.13)
10	8	10 082 1008	20.6 (0.81)	42.0 (1.65)	49.4 (1.94)	20.0 (0.79)	4.2 (0.17)

*Body Material: Thermoplastic

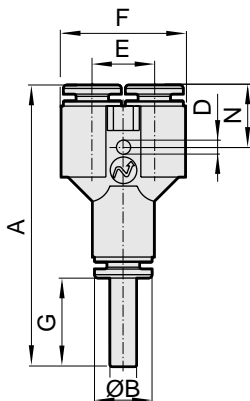
** Mounting hole

Pneufit C Parallel Union "Y" Connector*



O.D. Tube	O.D. Tube	O.D. Tube	Part Number	A	B	D	E	F	N
4	4	4	C00820400	41.0	11.0	3.2	11.0	22.0	13.0
6	6	6	C00820600	43.8	14.0	3.2	14.0	28.0	14.25
6	4	4	C00820604	44.3	14.0	3.2	14.0	28.0	14.5
8	8	8	C00820800	46.7	15.0	3.2	16.0	31.0	14.9
8	6	6	C00820806	46.2	15.0	3.2	16.0	31.0	14.65
10	10	10	C00821000	57.5	20.0	4.2	20.6	42.0	14.9
10	8	8	C00821008	57.0	20.0	4.2	20.6	42.0	18.25

Pneufit C Parallel "Y" Stem Connector



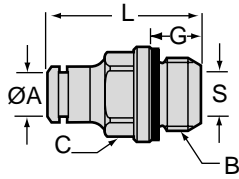
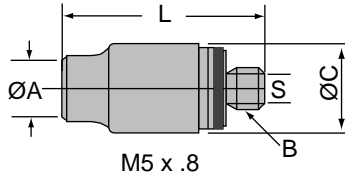
O.D. Tube	O.D. Stem	Part Number	A	B	D	E	F	G	N
4	4	C00840404	58.0	11.5	2.95	11.0	22.5	17.0	13.0
4	6	C00840604	60.0	11.5	2.95	11.0	22.5	19.0	13.0
6	6	C00840606	63.0	14.0	3.20	14.0	28.0	19.2	14.25
8	8	C00840808	68.0	16.0	3.20	16.0	32.0	21.3	14.9



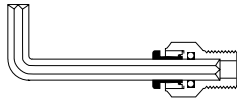
Metric Series Push-In Fittings

Dimensions in mm (inches)

Pneufit ISO G Male Connector

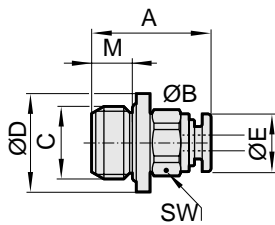


All straight male connectors have an internal hex for the use of an Allen Wrench to allow the fitting to be mounted in any position. This also permits close porting not possible with a standard open end or socket wrench.



A Tube O.D.	B		C		L	S Hex
	ISO G or Metric Thread	Part Number	A/F	G		
4	M5 x .8	10 225 0405	9.0Ø (.35Ø)	5.0 (.20)	20.5 (.81)	2.5 (.10)
	1/8	10 225 0418	10 (.39)	7.2 (.28)	23.0 (.91)	3.0 (.12)
	1/4	10 225 0428	10 (.39)	9.8 (.39)	22.7 (.89)	3.0 (.12)
5	M5 x .8	10 225 0505	10.0Ø (.39Ø)	5.0 (.20)	23.2 (.91)	2.5 (.10)
	1/8	10 225 0518	10 (.39)	7.2 (.28)	23.2 (.91)	4.0 (.16)
	1/4	10 225 0528	12 (.47)	9.8 (.39)	25.2 (.99)	4.0 (.16)
6	M5 x .8	10 225 0605	11.0Ø (.43Ø)	5.0 (.20)	23.8 (.94)	2.5 (.10)
	1/8	10 225 0618	11 (.43)	7.2 (.28)	25.2 (.99)	4.0 (.16)
	1/4	10 225 0628	13 (.51)	9.8 (.39)	23.7 (.93)	4.0 (.16)
8	1/8	10 225 0818	13 (.51)	7.2 (.28)	26.7 (1.05)	5.0 (.20)
	1/4	10 225 0828	14 (.55)	9.8 (.39)	28.2 (1.11)	6.0 (.24)
	3/8	10 225 0838	17 (.67)	11.2 (.44)	26.2 (1.03)	6.0 (.24)
	1/2	10 225 0848	17 (.67)	14.7 (.58)	31.7 (1.25)	6.0 (.24)
10	1/8	10 225 1018	17 (.67)	7.2 (.28)	32.2 (1.27)	5.0 (.20)
	1/4	10 225 1028	17 (.67)	9.8 (.39)	33.7 (1.33)	7.0 (.28)
	3/8	10 225 1038	19 (.75)	11.2 (.44)	32.2 (1.27)	8.0 (.31)
	1/2	10 225 1048	19 (.75)	14.7 (.58)	32.2 (1.27)	8.0 (.31)
12	1/4	10 225 1228	22 (.87)	9.8 (.39)	37.7 (1.48)	7.0 (.28)
	3/8	10 225 1238	22 (.87)	11.2 (.44)	38.2 (1.50)	10.0 (.39)
	1/2	10 225 1248	22 (.87)	14.7 (.58)	37.2 (1.46)	10.0 (.39)
14	3/8	10 225 1438	22 (.87)	11.2 (.44)	38.2 (1.50)	10.0 (.39)
	1/2	10 225 1448	22 (.87)	14.7 (.58)	37.2 (1.46)	10.0 (.39)

Pneufit C ISO G Male Connector



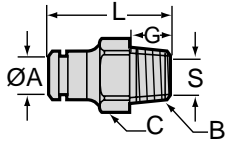
O.D.	BSPB Tube Thread	Part Number	A	C	D	E	M	SW
4	M3	C02250403	19.2	M3	10.6	10.7	3.5	1.5
4	M5	C02250405	21.2	M5	10.6	10.7	4.4	2.5
4	1/8"	C02250418	18.7	1/8"	13.8	12.0	5.5	3.0
4	1/4"	C02250428	21.5	1/4"	17.8	12.0	8.0	3.0
6	M5	C02250605	24.6	M5	12.6	12.9	4.4	2.5
6	1/8"	C02250618	24.1	1/8"	13.8	14.0	5.5	4.0
6	1/4"	C02250628	23.1	1/4"	17.8	14.0	8.0	4.0
8	1/8"	C02250818	27.0	1/8"	13.8	16.0	5.5	5.0
8	1/4"	C02250828	25.0	1/4"	17.8	16.0	8.0	6.0
8	3/8"	C02250838	25.0	3/8"	21.7	16.0	9.0	6.0
8	1/2"	C02250848	27.5	1/2"	25.7	16.0	11.1	6.0
10	1/8"	C02251018	28.1	1/8"	13.8	21.0	5.5	5.0
10	1/4"	C02251028	31.1	1/4"	17.8	21.0	8.0	7.0
10	3/8"	C02251038	28.1	3/8"	21.7	21.0	9.0	8.0
10	1/2"	C02251048	30.1	1/2"	25.7	21.0	11.1	8.0

Metric Series Push-In Fittings

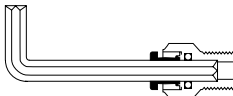
Dimensions in mm (inches)



Pneufit ISO R Male Connector

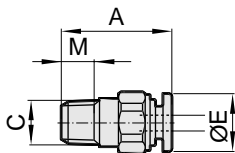


All straight male connectors have an internal hex for the use of an Allen Wrench to allow the fitting to be mounted in any position. This also permits close porting not possible with a standard open end or socket wrench.



A Tube O.D.	B ISO R Thread	Part Number	C A/F	G	L	S Hex
4	1/8	10 125 0418	10 (.39)	7.7 (.30)	20.5 (.81)	3.0 (.12)
	1/4	10 125 0428	14 (.55)	11.1 (.44)	23.0 (.91)	3.0 (.12)
5	1/8	10 125 0518	10 (.39)	7.7 (.30)	22.7 (.89)	4.0 (.16)
	1/4	10 125 0528	14 (.55)	11.1 (.44)	23.2 (.91)	4.0 (.16)
6	1/8	10 125 0618	11 (.43)	7.7 (.30)	23.2 (.91)	4.0 (.16)
	1/4	10 125 0628	14 (.55)	11.1 (.44)	25.2 (.99)	4.0 (.16)
8	1/8	10 125 0818	13 (.51)	7.7 (.30)	26.7 (1.05)	5.0 (.20)
	1/4	10 125 0828	14 (.55)	11.1 (.44)	28.2 (1.11)	6.0 (.24)
	3/8	10 125 0838	17 (.67)	12.7 (.50)	27.2 (1.07)	6.0 (.24)
	1/2	10 125 0848	22 (.87)	15.9 (.63)	29.2 (1.15)	6.0 (.24)
10	1/8	10 125 1018	17 (.67)	7.7 (.30)	31.7 (1.25)	5.0 (.20)
	1/4	10 125 1028	17 (.67)	11.1 (.44)	34.2 (1.35)	7.0 (.28)
	3/8	10 125 1038	17 (.67)	12.7 (.50)	34.2 (1.35)	8.0 (.31)
	1/2	10 125 1048	22 (.87)	15.9 (.63)	33.7 (1.33)	8.0 (.31)
12	1/4	10 125 1228	22 (.87)	11.1 (.44)	39.2 (1.54)	7 (.28)
	3/8	10 125 1238	22 (.87)	12.7 (.50)	39.7 (1.56)	10 (.39)
	1/2	10 125 1248	22 (.87)	15.9 (.63)	40.2 (1.58)	10 (.39)
14	3/8	10 125 1438	22 (.87)	12.7 (.50)	39.7 (1.56)	10 (.39)
	1/2	10 125 1448	22 (.87)	15.9 (.63)	40.2 (1.58)	10 (.39)

Pneufit C ISO R Male Connector



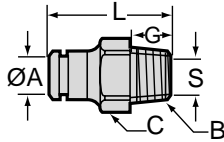
O.D. Tube	BSPT Thread	Part Number	A	C	E	M
4	1/8"	C01250418	19.7	1/8"	12.0	8.6
4	1/4"	C01250428	23.2	1/4"	15.0	11.1
6	1/8"	C01250618	25.1	1/8"	14.0	8.6
6	1/4"	C01250628	23.1	1/4"	15.0	11.1
8	1/8"	C01250818	28.6	1/8"	16.0	8.6
8	1/4"	C01250828	26.1	1/4"	16.0	11.1
8	3/8"	C01250838	26.1	3/8"	18.5	12.7
8	1/2"	C01250848	31.6	1/2"	24.0	15.9
10	1/8"	C01251018	30.1	1/8"	21.0	8.6
10	1/4"	C01251028	32.1	1/4"	21.0	11.1
10	3/8"	C01251038	29.6	3/8"	21.0	12.7
10	1/2"	C01251048	33.1	1/2"	24.0	15.9



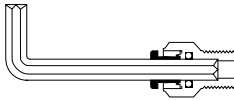
Metric Series Push-In Fittings

Dimensions in mm (inches)

Pneufit Male Connector - Conversion (MM O.D. Tube to NPTF [Male] Thread)

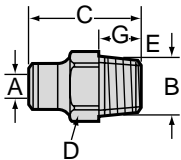


All straight male connectors have an internal hex for the use of an Allen Wrench to allow the fitting to be mounted in any position. This also permits close porting not possible with a standard open end or socket wrench.



A Tube O.D.	B NPT Thread	Part Number	C A/F	G	L	S Hex
4	10-32	12 425 0210	9.0 (3.5)	5.0 (.20)	21.5 (.85)	3/32" —
	1/8	12 425 0218	11.1 (7/16")	9.5 (.37)	22.7 (.89)	1/8" —
	1/4	12 425 0228	14.3 (9/16")	14.3 (.56)	26.5 (1.04)	1/8" —
5	1/8	10 425 0518	11.1 (7/16")	9.5 (.37)	24.5 (.96)	5/32" —
	1/4	10 425 0528	14.3 (9/16")	14.3 (.56)	26.3 (1.04)	5/32" —
6	10-32	10 425 0610	11.0 (.43)	5.0 (.20)	24 (.94)	3/32" —
	1/8	10 425 0618	11.1 (7/16")	9.5 (.37)	25.0 (.98)	5/32" —
	1/4	10 425 0628	14.3 (9/16")	14.3 (.56)	28.3 (1.11)	5/32" —
	3/8	10 425 0638	17.5 (11/16")	14.3 (.56)	27.2 (1.07)	5/32" —
8	1/8	12 425 0518	12.7 (1/2")	9.5 (.37)	28.5 (1.12)	3/16" —
	1/4	12 425 0528	14.3 (9/16")	14.3 (.56)	31.3 (1.23)	1/4" —
	3/8	12 425 0538	17.5 (11/16")	14.3 (.56)	28.8 (1.13)	1/4" —
10	1/8	10 425 1018	17.5 (11/16")	9.5 (.37)	33.5 (1.32)	3/16" —
	1/4	10 425 1028	17.5 (11/16")	14.3 (.56)	37.3 (1.47)	1/4" —
	3/8	10 425 1038	17.5 (11/16")	14.3 (.56)	35.8 (1.41)	5/16" —
	1/2	10 425 1048	22.2 (7/8")	19.0 (.75)	36.8 (1.45)	5/16" —
12	1/4	10 425 1228	22.2 (7/8")	14.3 (.56)	42.3 (1.67)	9/32" —
	3/8	10 425 1238	22.2 (7/8")	14.3 (.56)	41.3 (1.63)	13/32" —
	1/2	10 425 1248	22.2 (7/8")	19.0 (.75)	43.3 (1.70)	13/32" —

Self Sealing (Checked) Connector (ISO R)



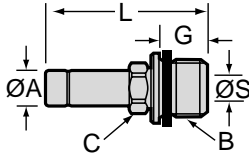
A Tube O.D.	B ISO R Thread	Part Number	C	D A/F	G
4	1/8	10 124 0418	25.5 (1.00)	11 (0.43)	8.6 (0.34)
6	1/8	10 124 0618	27.5 (1.08)	11 (0.43)	8.6 (0.34)
6	1/4	10 124 0628	27.5 (1.08)	14 (0.55)	11.1 (0.44)
8	1/4	10 124 0828	32.7 (1.29)	14 (0.55)	11.1 (0.44)

Operation: Insertion of a tube into the push-in end ("A") of the fitting compresses a spring, and unseats the plunger and seal assembly. In this state (tube inserted), flow is allowed through the fitting. Removal of the tubing from the fitting allows the spring to extend, seating the plunger seal. When pressure is applied to the system, the plunger assembly seals off the push-in end of the fitting, allowing the system to remain pressurized.

Note: Remember to depressurize the system before inserting or removing tubing from this or any other Pneufit.



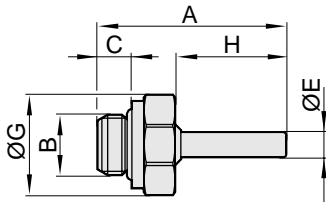
Pneufit ISO G Stem Adapter



CAUTION: Straight Stem Adapters should not be used in conjunction with other union type fittings in applications where vibration is present, nor should they be used as “quick disconnects” as the mating nickel plated brass surfaces may wear over time causing eventual failure of the connection.

A Stem O.D.	B ISO G Thread	Part Number	C A/F	G	L	S
4	1/8	10 215 0418	8 (.31)	7.2 (.28)	29.0 (1.14)	2.1 (.08)
	1/4	10 215 0428	10 (.39)	9.8 (.39)	33.0 (1.30)	2.1 (.08)
5	1/8	10 215 0518	8 (.31)	7.2 (.28)	30.5 (1.20)	3.3 (.13)
	1/4	10 215 0528	10 (.39)	9.8 (.39)	34.0 (1.34)	3.3 (.13)
6	1/8	10 215 0618	8 (.31)	7.2 (.28)	31.0 (1.22)	4.0 (.16)
	1/4	10 215 0628	10 (.39)	9.8 (.39)	34.5 (1.36)	4.0 (.16)
8	1/8	10 215 0818	10 (.39)	7.2 (.28)	32.5 (1.28)	5.0 (.20)
	1/4	10 215 0828	10 (.39)	9.8 (.39)	35.5 (1.40)	6.0 (.24)
	3/8	10 215 0838	13 (.51)	11.2 (.44)	39.0 (1.54)	6.0 (.24)
10	1/4	10 215 1028	13 (.51)	9.8 (.39)	41.5 (1.63)	6.5 (.26)
	3/8	10 215 1038	13 (.51)	11.2 (.44)	43.5 (1.71)	8.0 (.31)
	1/2	10 215 1048	17 (.67)	14.8 (.58)	49.0 (1.93)	8.0 (.31)
12	3/8	10 215 1238	17 (.67)	11.2 (.44)	48.5 (1.91)	10.0 (.39)
	1/2	10 215 1248	17 (.67)	14.8 (.58)	52.5 (2.07)	10.0 (.39)
14	1/2	10 215 1448	17 (.67)	14.8 (.58)	52.5 (2.07)	11.5 (.45)

Pneufit C ISO G Stem Adapter



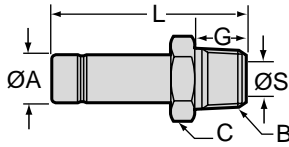
O.D.	BSP	Part Number	A	B	C	E	G	H
4	1/8"	C02150418	30.5	1/8"	5.5	4.0	14.0	17.0
4	1/4"	C02150428	35.5	1/4"	8.0	4.0	18.0	17.0
5	1/8"	C02150518	31.5	1/8"	5.5	5.0	14.0	18.0
5	1/4"	C02150528	36.5	1/4"	8.0	5.0	18.0	18.0
6	1/8"	C02150618	32.5	1/8"	5.5	6.0	14.0	19.0
6	1/4"	C02150628	37.5	1/4"	8.0	6.0	18.0	19.0
8	1/8"	C02150818	34.0	1/8"	5.5	8.0	14.0	20.0
8	1/4"	C02150828	38.5	1/4"	8.0	8.0	18.0	20.0
8	3/8"	C02150838	41.5	3/8"	9.0	8.0	22.0	20.0
10	1/4"	C02151028	42.5	1/4"	8.0	10.0	18.0	24.0
10	3/8"	C02151038	45.5	3/8"	9.0	10.0	22.0	24.0
10	1/2"	C02151048	50.0	1/2"	11.0	10.0	26.0	24.0



Metric Series Push-In Fittings

Dimensions in mm (inches)

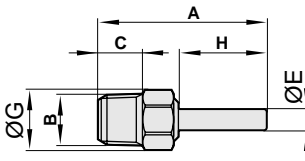
Pneufit ISO R Stem Adapter



CAUTION: Straight Stem Adapters should not be used in conjunction with other union type fittings in applications where vibration is present, nor should they be used as "quick disconnects" as the mating nickel plated brass surfaces may wear over time causing eventual failure of the connection.

A Stem O.D.	B ISO R Thread	Part Number	C A/F	G	L	S
4	1/8	10 115 0418	10 (.39)	7.7 (.30)	30.0 (1.18)	2.1 (.08)
	1/4	10 115 0428	14 (.55)	11.1 (.44)	33.5 (1.32)	2.1 (.08)
5	1/8	10 115 0518	11 (.43)	7.7 (.30)	31.0 (1.22)	3.5 (.14)
	1/4	10 115 0528	14 (.55)	11.1 (.44)	35.0 (1.38)	3.5 (.14)
6	1/8	10 115 0618	12 (.47)	7.7 (.30)	32.0 (1.26)	4.5 (.18)
	1/4	10 115 0628	14 (.55)	11.1 (.44)	35.5 (1.40)	4.5 (.18)
8	1/8	10 115 0818	14 (.55)	7.7 (.30)	33.0 (1.30)	5.1 (.20)
	1/4	10 115 0828	14 (.55)	11.1 (.44)	36.5 (1.44)	5.1 (.20)
	3/8	10 115 0838	19 (.75)	12.7 (.50)	40.0 (1.57)	5.1 (.20)
10	1/4	10 115 1028	15 (.59)	11.1 (.44)	40.0 (1.57)	7.7 (.30)
	3/8	10 115 1038	19 (.75)	12.7 (.50)	45.0 (1.77)	7.7 (.30)
	1/2	10 115 1048	22 (.87)	15.9 (.63)	48.0 (1.89)	8.1 (.32)
12	3/8	10 115 1238	19 (.75)	12.7 (.50)	48.0 (1.89)	9.1 (.36)
	1/2	10 115 1248	22 (.87)	15.9 (.63)	51.5 (2.03)	9.1 (.36)
14	1/2	10 115 1448	22 (.87)	15.9 (.63)	51.4 (2.02)	11.2 (.44)

Pneufit C ISO R Stem Adapter



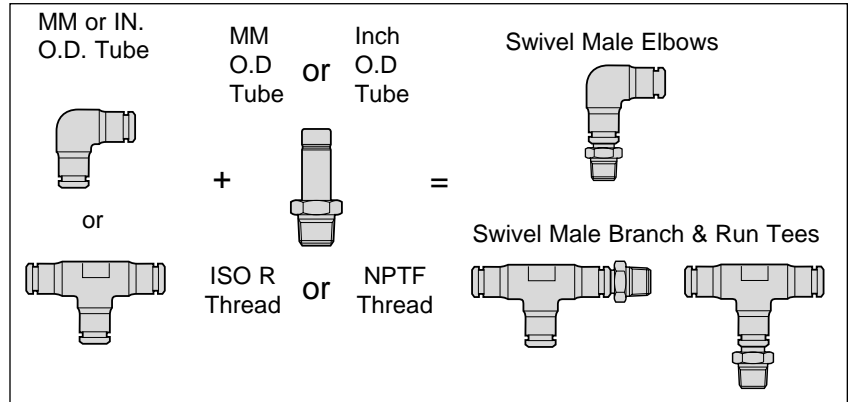
O.D.	BSP	Part Number	A	B	C	E	G	H
4	1/8"	C01150418	32.5	1/8"	8.6	4.0	11.0	17.0
4	1/4"	C01150428	35.0	1/4"	11.1	4.0	15.0	17.0
5	1/8"	C01150518	33.5	1/8"	8.6	5.0	11.0	18.0
5	1/4"	C01150528	36.0	1/4"	11.1	5.0	15.0	18.0
6	1/8"	C01150618	34.5	1/8"	8.6	6.0	11.0	19.0
6	1/4"	C01150628	37.0	1/4"	11.1	6.0	15.0	19.0
8	1/8"	C01150818	36.0	1/8"	8.6	8.0	13.0	20.0
8	1/4"	C01150828	38.0	1/4"	11.1	8.0	15.0	20.0
8	3/8"	C01150838	42.0	3/8"	12.7	8.0	20.0	20.0
10	1/4"	C01151028	43.0	1/4"	11.1	10.0	15.0	24.0
10	3/8"	C01151038	45.5	3/8"	12.7	10.0	20.0	24.0
10	1/2"	C01151048	49.0	1/2"	15.9	10.0	23.0	24.0
12	3/8"	C01151238	49.5	3/8"	12.7	12.0	20.0	27.5
12	1/2"	C01151248	52.5	1/2"	15.9	12.0	23.0	27.5
14	1/2"	C01151448	53.0	1/2"	15.9	14.0	23.0	28.0



Stem Adapter

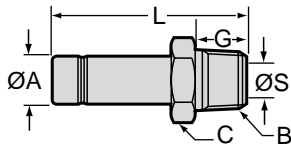
(Inch O.D. Stem to ISO R Thread)

- Incorporates standard Pneufit features.
- Allows integration of standard NPTF ported products into metric systems
- Connects metric port forms to fractional inch size tubing, or NPT ports to millimeter size tubing.
- By combining Straight Stem Adapters with Standard inch (12-Series) push-in tube unions, you can create a variety of combinations. (See box at right.)



Pneufit Stem Adapter

(MM O.D. Stem to NPT [Male] Thread)



CAUTION: Straight Stem Adapters should not be used in conjunction with other union type fittings in applications where vibration is present, nor should they be used as "quick disconnects" as the mating nickel plated brass surfaces may wear over time causing eventual failure of the connection.

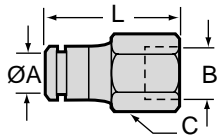
A Stem O.D.	B NPT Thread	Part Number	C A/F	G	L	S
4	1/8	12 415 0218	(11.1) 7/16"	9.5 (.37)	31.8 (1.25)	2.1 (.08)
	1/4	12 415 0228	(14.3) 9/16"	14.3 (.56)	36.7 (1.44)	2.1 (.08)
5	1/8	10 415 0518	(11.1) 7/16"	9.5 (.37)	33.3 (1.31)	3.2 (.13)
	1/4	10 415 0528	(14.3) 9/16"	14.3 (.56)	38.2 (1.50)	3.2 (.13)
6	1/8	10 415 0618	(11.1) 7/16"	9.5 (.37)	33.7 (1.33)	4.0 (.16)
	1/4	10 415 0628	(14.3) 9/16"	14.3 (.56)	38.6 (1.52)	4.0 (.16)
8	1/8	12 415 0518	(11.1) 7/16"	9.5 (.37)	34.8 (1.37)	5.1 (.20)
	1/4	12 415 0528	(14.3) 9/16"	14.3 (.56)	39.6 (1.56)	5.1 (.20)
10	1/4	10 415 1028	(14.3) 9/16"	14.3 (.56)	44.1 (1.74)	7.7 (.30)
	3/8	10 415 1038	(17.5) 11/16"	14.3 (.56)	46.1 (1.81)	7.7 (.30)
12	3/8	10 415 1238	(17.5) 11/16"	14.3 (.56)	49.6 (1.95)	9.1 (.36)
	1/2	10 415 1248	(22.2) 7/8"	19.0 (.75)	54.6 (2.15)	9.1 (.36)



Metric Series Push-In Fittings

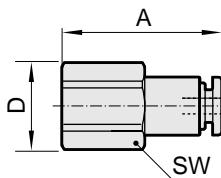
Dimensions in mm (inches)

Pneufit ISO G Female Connector



A Tube O.D.	B ISO G or Metric Thread	Part Number	C A/F	L
4	M5 x .8	10 226 0405	10 (.39)	22.5 (.89)
	1/8	10 226 0418	13 (.51)	24.4 (.96)
	1/4	10 226 0428	17 (.67)	29.2 (1.15)
5	1/8	10 226 0518	13 (.51)	25.2 (.99)
	1/4	10 226 0528	17 (.67)	29.7 (1.17)
6	1/8	10 226 0618	13 (.51)	25.7 (1.01)
	1/4	10 226 0628	17 (.67)	30.2 (1.19)
8	1/8	10 226 0818	13 (.51)	26.7 (1.05)
	1/4	10 226 0828	17 (.67)	31.2 (1.23)
10	1/4	10 226 1028	17 (.67)	35.7 (1.41)
	3/8	10 226 1038	19 (.75)	41.2 (1.62)
12	3/8	10 226 1238	19 (.75)	39.6 (1.56)
	1/2	10 226 1248	24 (.94)	44.2 (1.74)

Pneufit C ISO G Female Connector



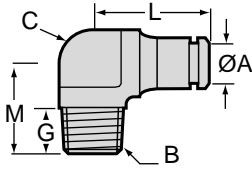
O.D. Tube	ISO R Thread	Part Number	A	D	SW
4	M5	C02260405	22.5	12.0	11.0
4	1/8"	C02260418	25.2	14.0	13.0
4	1/4"	C02260428	29.7	18.5	17.0
6	1/8"	C02260618	27.1	14.0	13.0
6	1/4"	C02260628	31.6	18.5	17.0
8	1/8"	C02260818	29.1	16.0	15.0
8	1/4"	C02260828	34.1	18.5	17.0
8	1/4"	C02261028	29.5	21.0	19.0
8	3/8"	C02261038	29.5	21.0	19.0

Metric Series Push-In Fittings

Dimensions in mm (inches)



Pneufit ISO R Male Elbow



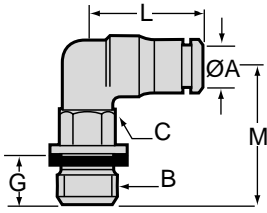
A Tube O.D.	B ISO R Thread	Part Number	C A/F	G	L	M
4	1/8	10 145 0418	7 (.28)	7.7 (.30)	16.9 (.67)	15.0 (.59)
	1/4	10 145 0428	11 (.43)	11.1 (.44)	18.2 (.72)	20.2 (.80)
5	1/8	10 145 0518	7 (.28)	7.7 (.30)	18.4 (.72)	15.5 (.61)
	1/4	10 145 0528	11 (.43)	11.1 (.44)	20.0 (.79)	20.2 (.80)
6	1/8	10 145 0618	8 (.31)	7.7 (.30)	19.6 (.77)	16.0 (.63)
	1/4	10 145 0628	11 (.43)	11.1 (.44)	20.0 (.79)	20.2 (.80)
8	1/8	10 145 0818	11 (.43)	7.7 (.30)	21.3 (.84)	16.9 (.67)
	1/4	10 145 0828	11 (.43)	11.1 (.44)	21.3 (.84)	20.2 (.80)
	3/8	10 145 0838	13.3 (.52)	12.7 (.50)	22.0 (.87)	23.3 (.92)
	1/2	10 145 0848	17 (.67)	15.9 (.63)	24.2 (.95)	28.8 (1.13)
10	1/8	10 145 1018	13.3 (.52)	7.7 (.30)	26.7 (1.05)	18.5 (.73)
	1/4	10 145 1028	13.3 (.52)	11.1 (.44)	26.7 (1.05)	21.6 (.85)
	3/8	10 145 1038	13.3 (.52)	12.7 (.50)	26.7 (1.05)	23.3 (.92)
	1/2	10 145 1048	17 (.67)	15.9 (.63)	28.7 (1.13)	28.8 (1.13)
12	1/4	10 145 1228	16 (.63)	11.1 (.44)	31.7 (1.25)	23.3 (.92)
	3/8	10 145 1238	16 (.63)	12.7 (.50)	31.7 (1.25)	25.0 (.98)
	1/2	10 145 1248	17 (.67)	15.9 (.63)	32.2 (1.27)	28.8 (1.13)



Metric Series Push-In Fittings

Dimensions in mm (inches)

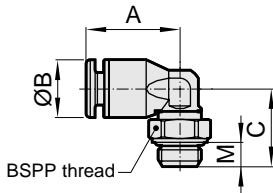
Pneufit ISO G Swivel Male Elbow



CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

A Tube O.D.	B ISO G or Metric Thread	Part Number	C			
			A/F	G	L	M
4	M5 x .8	10 247 0405	8 (.31)	5.0 (.20)	17.0 (.67)	19.5 (.77)
	1/8	10 247 0418	11 (.43)	7.2 (.28)	16.9 (.67)	21.8 (.86)
	1/4	10 247 0428	11 (.43)	9.8 (.39)	16.9 (.67)	25.5 (1.00)
5	M5 x .8	10 247 0505	8 (.31)	5.0 (.20)	18.4 (.72)	20.0 (.79)
	1/8	10 247 0518	11 (.43)	7.2 (.28)	18.4 (.72)	22.3 (.88)
	1/4	10 247 0528	11 (.43)	9.8 (.39)	18.4 (.72)	26.0 (1.02)
6	M5 x .8	10 247 0605	8 (.31)	5.0 (.20)	19.6 (.77)	20.5 (.81)
	1/8	10 247 0618	11 (.43)	7.2 (.28)	19.6 (.77)	22.8 (.90)
	1/4	10 247 0628	11 (.43)	9.8 (.39)	19.6 (.77)	26.5 (1.04)
8	1/8	10 247 0818	13 (.51)	7.2 (.28)	21.3 (.84)	23.8 (.94)
	1/4	10 247 0828	17 (.67)	9.8 (.39)	21.3 (.84)	29.1 (1.15)
	3/8	10 247 0838	19 (.75)	11.2 (.44)	21.8 (.86)	33.3 (1.31)
	1/2	10 247 0848	19 (.75)	14.7 (.58)	21.8 (.86)	39.3 (1.55)
10	1/8	10 247 1018	17 (.67)	7.2 (.28)	26.7 (1.05)	26.3 (1.04)
	1/4	10 247 1028	17 (.67)	9.8 (.39)	26.7 (1.05)	31.6 (1.24)
	3/8	10 247 1038	19 (.75)	11.2 (.44)	26.7 (1.05)	33.3 (1.31)
	1/2	10 247 1048	19 (.75)	14.7 (.58)	26.7 (1.05)	39.3 (1.55)
12	1/4	10 247 1228	19 (.75)	9.8 (.39)	31.7 (1.25)	35.3 (1.39)
	3/8	10 247 1238	19 (.75)	11.2 (.44)	31.7 (1.25)	37.0 (1.46)
	1/2	10 247 1248	19 (.75)	14.7 (.58)	31.7 (1.25)	43.0 (1.69)
14	3/8	10 247 1438	19 (.75)	11.2 (.44)	30.7 (1.21)	36.0 (1.42)
	1/2	10 247 1448	24 (.94)	14.7 (.58)	31.7 (1.25)	39.2 (1.54)

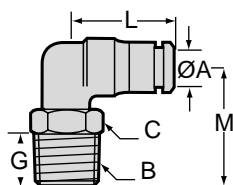
Pneufit C ISO G Swivel Male Elbow



O.D. Tube	BSPB Thread	Part Number	A	B	C	M
3	1/8"	C02470318	18.0	10.7	20.0	5.5
4	M5	C02470405	18.0	10.7	17.5	4.36
4	1/8"	C02470418	18.0	10.7	20.0	5.5
4	1/4"	C02470428	18.0	10.7	23.0	8.0
6	M5	C02470605	21.0	12.9	18.5	4.36
6	1/8"	C02470618	21.0	12.9	20.5	5.5
6	1/4"	C02470628	21.0	12.9	23.5	5.5
8	1/4"	C02470828	25.0	14.5	25.5	8.0
8	3/8"	C02470838	25.0	14.5	26.5	9.0
10	3/8"	C02471038	27.5	17.4	28.5	9.0



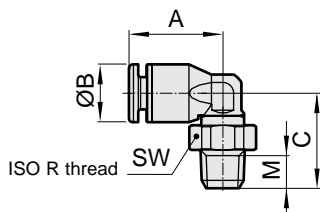
Pneufit ISO R Swivel Male Elbow



CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

A Tube O.D.	B ISO R Thread	Part Number	C A/F	G	L	M
4	1/8	10 147 0418	10 (.39)	7.7 (.30)	16.9 (.67)	20.5 (.81)
	1/4	10 147 0428	14 (.55)	11.1 (.44)	16.9 (.67)	24.1 (.95)
5	1/8	10 147 0518	11 (.43)	7.7 (.30)	18.4 (.72)	21.0 (.83)
	1/4	10 147 0528	14 (.55)	11.1 (.44)	18.4 (.72)	24.6 (.97)
6	1/8	10 147 0618	11 (.43)	7.7 (.30)	19.6 (.77)	21.5 (.85)
	1/4	10 147 0628	14 (.55)	11.1 (.44)	19.6 (.77)	25.1 (.99)
	3/8	10 147 0638	17 (.67)	12.7 (.50)	20.0 (.80)	27.5 (1.08)
8	1/8	10 147 0818	14 (.55)	7.7 (.30)	21.3 (.84)	23.0 (.91)
	1/4	10 147 0828	14 (.55)	11.1 (.44)	21.3 (.84)	26.1 (1.03)
	3/8	10 147 0838	17 (.67)	12.7 (.50)	21.8 (.86)	30.5 (1.20)
	1/2	10 147 0848	22 (.87)	15.9 (.63)	21.8 (.86)	34.5 (1.36)
10	1/8	10 147 1018	14 (.55)	7.7 (.30)	26.7 (1.05)	25.5 (1.0)
	1/4	10 147 1028	17 (.67)	11.1 (.44)	26.7 (1.05)	28.8 (1.13)
	3/8	10 147 1038	17 (.67)	12.7 (.50)	26.7 (1.05)	30.5 (1.20)
	1/2	10 147 1048	22 (.87)	15.9 (.63)	26.7 (1.05)	34.5 (1.36)
12	1/4	10 147 1228	19 (.75)	11.1 (.44)	31.7 (1.25)	31.8 (1.25)
	3/8	10 147 1238	22 (.87)	12.7 (.50)	31.7 (1.25)	34.2 (1.35)
	1/2	10 147 1248	22 (.87)	15.9 (.63)	31.7 (1.25)	38.2 (1.50)
14	3/8	10 147 1438	22 (.87)	12.7 (.50)	30.7 (1.21)	33.2 (1.31)
	1/2	10 147 1448	22 (.87)	15.9 (.63)	31.7 (1.25)	37.0 (1.46)

Pneufit C ISO R Swivel Male Elbow



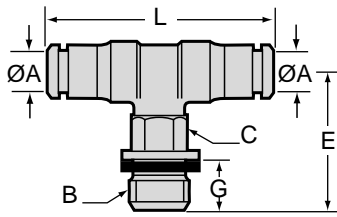
O.D. Tube	ISO R Thread	Part Number	A	B	C	SW	M
3	1/8"	C01470318	18.0	10.7	19.5	10.0	8.6
4	1/8"	C01470418	18.0	10.7	19.5	10.0	8.6
4	1/4"	C01470428	18.0	10.7	20.5	14.0	11.1
6	1/8"	C01470618	21.0	12.9	21.0	10.0	8.6
6	1/4"	C01470628	21.0	12.9	24.0	14.0	11.1
6	3/8"	C01470638	21.0	12.9	26.0	17.0	12.7
8	1/4"	C01470828	25.0	14.5	25.0	14.0	11.1
8	3/8"	C01470838	25.0	14.5	26.5	17.0	12.7
10	3/8"	C01471038	27.5	17.4	28.5	17.0	12.7



Metric Series Push-In Fittings

Dimensions in mm (inches)

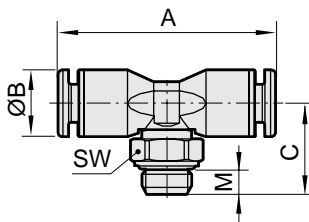
Pneufit ISO G Swivel Male Branch Tee



CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

A Tube O.D.	B ISO G or Metric Thrd	Part Number	C A/F	G	L	E
4	M5 x .8	10 267 0405	8 (.31)	5.0 (.20)	34.0 (1.34)	19.5 (.77)
	1/8	10 267 0418	11 (.43)	7.2 (.28)	33.8 (1.33)	21.8 (.86)
5	M5 x .8	10 267 0505	8 (.31)	5.0 (.20)	36.8 (1.45)	20.0 (.79)
	1/8	10 267 0518	11 (.43)	7.2 (.28)	36.8 (1.45)	22.3 (.88)
	1/4	10 267 0528	11 (.43)	9.8 (.39)	36.8 (1.45)	26.0 (1.02)
6	M5 x .8	10 267 0605	8 (.31)	5.0 (.20)	39.2 (1.54)	20.5 (.81)
	1/8	10 267 0618	11 (.43)	7.2 (.28)	39.2 (1.54)	22.8 (.90)
	1/4	10 267 0628	11 (.43)	9.8 (.39)	39.2 (1.54)	26.5 (1.04)
8	1/8	10 267 0818	13 (.51)	7.2 (.28)	42.6 (1.68)	23.8 (.94)
	1/4	10 267 0828	17 (.67)	9.8 (.39)	42.6 (1.68)	29.1 (1.15)
10	1/4	10 267 1028	17 (.67)	9.8 (.39)	53.4 (2.10)	31.6 (1.24)
	3/8	10 267 1038	19 (.75)	11.2 (.44)	53.4 (2.10)	33.3 (1.31)
12	1/4	10 267 1228	19 (.75)	9.8 (.39)	63.4 (2.50)	35.3 (1.39)
	3/8	10 267 1238	19 (.75)	11.2 (.44)	63.4 (2.50)	37.0 (1.46)
14	3/8	10 267 1438	19 (.75)	11.2 (.44)	61.4 (2.42)	36.0 (1.42)
	1/2	10 267 1448	24 (.94)	14.7 (.58)	63.4 (2.50)	39.2 (1.54)

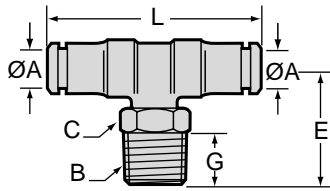
Pneufit C ISO G Swivel Male Branch Tee



O.D. Tube	BSP Thread	Part Number	A	B	C	SW	M
4	1/8"	C02670418	36.0	10.7	20	11.0	5.5
6	1/8"	C02670618	42.0	12.9	20.5	11.0	5.5
6	1/4"	C02670628	42.0	12.9	23.5	11.0	8.0
8	1/4"	C02670828	50.0	14.5	25.5	17.0	8.0
8	3/8"	C02670838	50.0	14.5	26.5	17.0	8.0
10	3/8"	C02671038	55.0	17.4	28.5	17.0	9.0



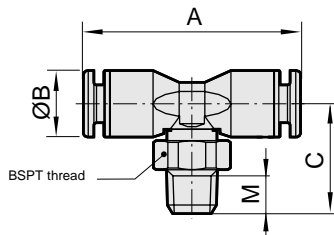
Pneufit ISO R Swivel Male Branch Tee



CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

A Tube O.D.	B ISO R Thread	Part Number	C A/F	G	L	E
4	1/8	10 167 0418	10 (.39)	7.7 (.30)	33.8 (1.33)	21.4 (.81)
	1/4	10 167 0428	14 (.55)	11.1 (.44)	33.8 (1.33)	24.1 (.95)
5	1/8	10 167 0518	11 (.43)	7.7 (.30)	36.8 (1.45)	21.0 (.83)
	1/4	10 167 0528	14 (.55)	11.1 (.44)	36.8 (1.45)	24.6 (.97)
6	1/8	10 167 0618	11 (.43)	7.7 (.30)	39.2 (1.54)	21.5 (.85)
	1/4	10 167 0628	14 (.55)	11.1 (.44)	39.2 (1.54)	25.1 (.99)
8	1/8	10 167 0818	14 (.55)	7.7 (.30)	42.6 (1.68)	23.0 (.91)
	1/4	10 167 0828	14 (.55)	11.1 (.44)	42.6 (1.68)	26.1 (1.03)
	3/8	10 167 0838	17 (.67)	12.7 (.50)	43.6 (1.72)	30.5 (1.20)
10	1/4	10 167 1028	17 (.67)	11.1 (.44)	53.4 (2.10)	28.8 (1.13)
	3/8	10 167 1038	17 (.67)	12.7 (.50)	53.4 (2.10)	30.5 (1.20)
12	1/4	10 167 1228	19 (.75)	11.1 (.44)	63.4 (2.50)	31.8 (1.25)
	3/8	10 167 1238	22 (.87)	12.7 (.50)	63.4 (2.50)	34.2 (1.35)
	1/2	10 167 1248	22 (.87)	15.9 (.63)	63.4 (2.50)	38.2 (1.50)
14	3/8	10 167 1438	22 (.87)	12.7 (.50)	61.4 (2.42)	33.2 (1.31)
	1/2	10 167 1448	22 (.87)	15.9 (.63)	63.4 (2.50)	37.0 (1.46)

Pneufit C ISO R Swivel Male Branch Tee



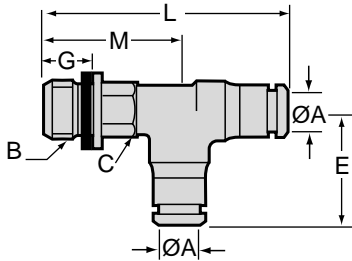
O.D. Tube	BSPP Thread	Part Number	A	B	C	M
4	1/8"	C01670418	36.0	10.7	19.5	8.6
4	1/4"	C01670428	26.0	10.7	20.5	11.1
6	1/8"	C01670618	42.0	12.9	21.5	8.6
6	1/4"	C01670628	42.0	12.9	24.0	11.1
6	3/8"	C01670638	42.0	12.9	26.0	12.7
8	1/4"	C01670828	50.0	14.5	25.0	11.1
8	3/8"	C01670838	50.0	14.5	26.5	12.7
10	3/8"	C01671038	55.0	17.4	28.5	12.7



Metric Series Push-In Fittings

Dimensions in mm (inches)

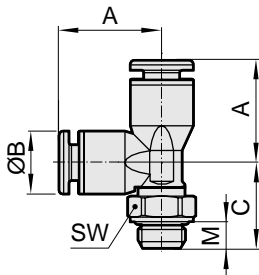
Pneufit ISO G Swivel Male Run Tee



CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

A Tube O.D.	B ISO G or Metric Thrd	Part Number	C				
			A/F	G	L	M	E
4	M5 x .8	10 268 0405	8 (.31)	5.0 (.20)	36.5 (1.44)	19.5 (.77)	17.0 (.67)
	1/8	10 268 0418	11 (.43)	7.2 (.28)	38.7 (1.52)	21.8 (.86)	16.9 (.67)
5	1/8	10 268 0518	11 (.43)	7.2 (.28)	40.7 (1.60)	22.3 (.88)	18.4 (.72)
	1/4	10 268 0528	11 (.43)	9.8 (.39)	44.4 (1.75)	26.0 (1.02)	18.4 (.72)
6	1/8	10 268 0618	11 (.43)	7.2 (.28)	42.4 (1.67)	22.8 (.90)	19.6 (.77)
	1/4	10 268 0628	11 (.43)	9.8 (.39)	46.1 (1.81)	26.5 (1.04)	19.6 (.77)
8	1/8	10 268 0818	13 (.51)	7.2 (.28)	45.1 (1.78)	23.8 (.94)	21.3 (.84)
	1/4	10 268 0828	17 (.67)	9.8 (.39)	50.4 (1.98)	29.1 (1.15)	21.3 (.84)
10	1/4	10 268 1028	17 (.67)	9.8 (.39)	58.3 (2.30)	31.6 (1.24)	26.7 (1.05)
	3/8	10 268 1038	19 (.75)	11.2 (.44)	60.0 (2.36)	33.3 (1.31)	26.7 (1.05)
12	1/4	10 268 1228	19 (.75)	9.8 (.39)	67.0 (2.64)	35.3 (1.39)	31.7 (1.25)
	3/8	10 268 1238	19 (.75)	11.2 (.44)	68.7 (2.70)	37.0 (1.46)	31.7 (1.25)
14	3/8	10 268 1438	19 (.75)	11.2 (.44)	69.2 (2.72)	36.0 (1.42)	33.2 (1.31)
	1/2	10 268 1448	24 (.94)	14.7 (.58)	72.5 (2.85)	39.2 (1.54)	33.2 (1.31)

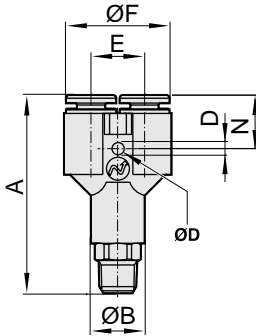
Pneufit ISO G Swivel Male Run Tee



O.D. Tube	BSPP Thread	Part Number	A	B	C	SW	M
3	M3	C02680303	18.0	10.7	15.0	8.0	3.5
4	1/8"	C02680418	18.0	10.7	20.0	11.0	5.5
6	1/8"	C02680618	21.0	12.9	20.5	11.0	5.5
6	1/4"	C02680628	21.0	12.9	23.5	11.0	8.0
8	1/4"	C02680828	25.0	14.5	25.5	17.0	8.0
8	3/8"	C02680838	25.0	14.5	26.5	17.0	9.0
10	3/8"	C02681038	27.5	17.4	28.5	17.0	9.0

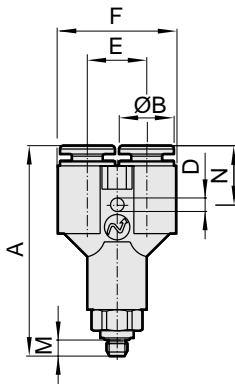


Pneufit C Parallel Y Adaptor



O.D. Tube	O.D. Tube	ISO R Thread	Part Number	A	B	D	E	F	N
4	4	1/8"	C01880418	48.0	11.0	3.2	11.0	22.0	13.0
6	6	1/8"	C01880618	52.0	14.0	3.2	14.0	28.0	14.25
6	6	1/4"	C01880628	55.0	14.0	3.2	14.0	28.0	14.25
8	8	1/8"	C01880818	55.0	15.0	3.2	16.0	31.0	14.9
8	8	1/4"	C01880828	57.5	15.0	3.2	16.0	31.0	14.9
10	10	3/8"	C01881038"	70.5	20.0	4.2	20.6	42.0	14.9
10	10	1/2"	C01881048	74.0	20.0	4.2	20.6	42.0	14.9

Pneufit C Parallel Y Adaptor



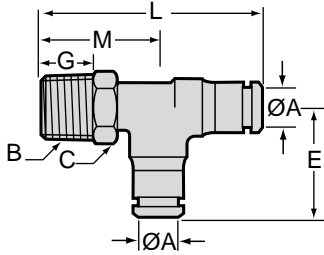
O.D. Tube	Thread	Part Number	A	B	D	E	F	N	M
4	M5	C02880405	46.5	11.0	3.2	11.0	22.0	13.0	4.3
6	M5	C02880605	50.0	14.0	3.2	14.0	28.0	14.25	4.3



Metric Series Push-In Fittings

Dimensions in mm (inches)

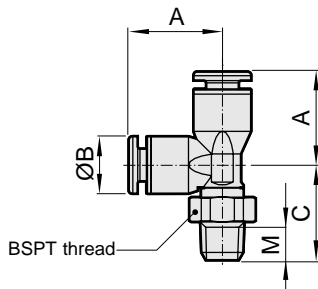
Pneufit ISO R Swivel Male Run Tee



CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.

A Tube O.D.	B ISO R Thread	Part Number	C A/F	G	L	M	E
4	1/8	10 168 0418	10 (.39)	7.7 (.30)	37.4 (1.47)	20.5 (.81)	16.9 (.67)
	1/4	10 168 0428	14 (.55)	11.1 (.44)	41.0 (1.61)	24.1 (.95)	16.9 (.67)
5	1/8	10 168 0518	11 (.43)	7.7 (.30)	39.4 (1.55)	21.0 (.83)	18.4 (.72)
	1/4	10 168 0528	14 (.55)	11.1 (.44)	43.0 (1.69)	24.6 (.97)	18.4 (.72)
6	1/8	10 168 0618	11 (.43)	7.7 (.30)	41.1 (1.61)	21.5 (.85)	19.6 (.77)
	1/4	10 168 0628	14 (.55)	11.1 (.44)	44.7 (1.76)	25.1 (.99)	19.6 (.77)
8	1/8	10 168 0818	14 (.55)	7.7 (.30)	44.3 (1.74)	23.0 (.91)	21.3 (.84)
	1/4	10 168 0828	14 (.55)	11.1 (.44)	47.4 (1.87)	26.1 (1.03)	21.3 (.84)
	3/8	10 168 0838	17 (.67)	12.7 (.50)	52.3 (2.06)	30.5 (1.20)	21.8 (.86)
10	1/4	10 168 1028	17 (.67)	11.1 (.44)	55.5 (2.19)	28.8 (1.13)	26.7 (1.05)
	3/8	10 168 1038	17 (.67)	12.7 (.50)	57.2 (2.25)	30.5 (1.20)	26.7 (1.05)
12	1/4	10 168 1228	19 (.75)	11.1 (.44)	63.5 (2.50)	31.8 (1.25)	31.7 (1.25)
	3/8	10 168 1238	22 (.87)	12.7 (.50)	65.9 (2.59)	34.2 (1.35)	31.7 (1.25)
	1/2	10 168 1248	22 (.87)	15.9 (.63)	69.9 (2.75)	38.2 (1.50)	31.7 (1.25)
14	3/8	10 168 1438	22 (.87)	12.7 (.50)	66.5 (2.62)	33.2 (1.31)	33.2 (1.31)
	1/2	10 168 1448	22 (.87)	15.9 (.63)	70.2 (2.76)	37.0 (1.46)	33.2 (1.31)

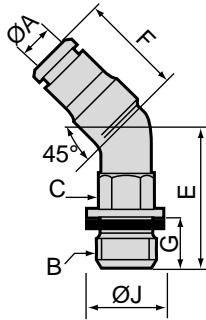
Pneufit C ISO R Swivel Male Run Tee



O.D. Tube	ISO R Thread	Part Number	A	B	C	M
4	1/8"	C01680418	18.0	10.7	19.5	8.6
4	1/4"	C01680428	18.0	10.7	20.5	11.1
6	1/8"	C01680618	21.0	12.9	21.0	8.6
6	1/4"	C01680628	21.0	12.9	24.0	11.1
6	3/8"	C01680638	21.0	12.9	26.0	12.7
8	1/4"	C01680828	25.0	14.5	25.0	11.1
8	3/8"	C01680838	25.0	14.5	26.5	12.7
10	3/8"	C01681038	27.5	17.4	28.5	12.7

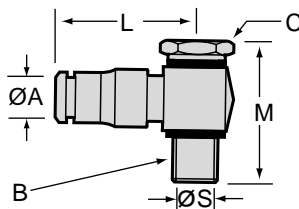


Pneufit ISO G Swivel 45° Male Elbow



A Tube O.D.	B ISO G Thread	Part Number	C A/F	E	F	G	J
6	1/8	10 257 0618	11.0 (.43)	19.3 (.76)	17.7 (.70)	7.2 (.28)	13.8 (.54)
	1/4	10 257 0628	11.0 (.43)	23.0 (.91)	17.7 (.70)	9.8 (.39)	17.8 (.70)
8	1/8	10 257 0818	11.0 (.43)	20.6 (.81)	19.5 (.77)	7.2 (.28)	13.8 (.54)
	1/4	10 257 0828	17.0 (.67)	25.9 (1.02)	19.5 (.77)	9.8 (.39)	17.8 (.70)

Pneufit ISO G Banjo Elbow



A Tube O.D.	B ISO G or Metric Thread	Part Number	C A/F	M	L	S
4	M5 x .8	10 A51 0405	8 (.31)	22 (.87)	18.7 (.37)	2.5 (.10)
	1/8	10 A51 0418	14 (.55)	30 (1.18)	20.6 (.81)	5.0 (.20)
5	M5 x .8	10 A51 0505	8 (.31)	22 (.87)	20.2 (.80)	2.5 (.10)
	1/8	10 A51 0518	14 (.55)	30 (1.18)	21.7 (.85)	5.0 (.20)
6	M5 x .8	10 A51 0605	8 (.31)	22 (.87)	22.2 (.87)	2.5 (.10)
	1/8	10 A51 0618	14 (.55)	30 (1.18)	23.7 (.93)	5.0 (.20)
	1/4	10 A51 0628	17 (.67)	34 (1.34)	24.2 (.95)	8.5 (.33)
8	1/8	10 A51 0818	14 (.55)	30 (1.18)	23.7 (.93)	5.0 (.20)
	1/4	10 A51 0828	17 (.67)	34 (1.34)	24.7 (.95)	8.5 (.33)
	3/8	10 A51 0838	22 (.87)	41 (1.61)	26.7 (1.05)	10.0 (.39)
10	1/4	10 A51 1028	17 (.67)	34 (1.34)	30.2 (1.19)	8.5 (.33)
	3/8	10 A51 1038	22 (.87)	41 (1.61)	31.2 (1.23)	10.0 (.39)

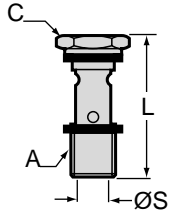


Metric Series Push-In Fittings

Dimensions in mm (inches)

Pneufit Single Stacking Banjo Bolt

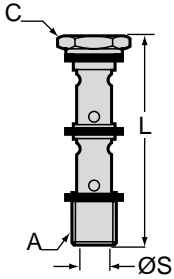
(Supplied complete w/sealing washers)



A ISO G or Metric Thread	Part Number	C A/F	L	S
M5 x .8	20 A00 0005	8 (.31)	22.0 (.87)	2.5 (.10)
1/8	20 A00 0018	14 (.55)	30.0 (1.18)	5.0 (.20)
1/4	20 A00 0028	17 (.67)	34.0 (1.34)	8.5 (.33)
3/8	20 A00 0038	22 (.87)	41.0 (1.61)	10.0 (.39)
1/2	20 A00 0048	27 (1.06)	47.5 (1.87)	11.5 (.45)

Pneufit Double Stacking Banjo Bolt

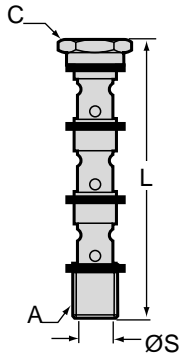
(Supplied complete w/sealing washers)



A ISO G or Metric Thread	Part Number	C A/F	L	S
M5 x .8	20 B00 0005	8 (.31)	34.5 (1.36)	2.5 (.10)
1/8	20 B00 0018	14 (.55)	46.5 (1.83)	5.0 (.20)
1/4	20 B00 0028	17 (.67)	52.5 (2.07)	8.5 (.33)
3/8	20 B00 0038	22 (.87)	64.0 (2.52)	10.0 (.39)
1/2	20 B00 0048	27 (1.06)	72.5 (2.85)	11.5 (.45)

Pneufit Triple Stacking Banjo Bolt

(Supplied complete w/sealing washers)

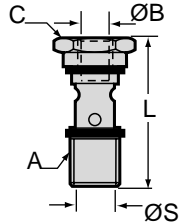


A ISO G Thread	Part Number	C A/F	L	S
1/8	20 C00 0018	14 (.55)	63.0 (2.48)	5.0 (.20)
1/4	20 C00 0028	17 (.67)	71.5 (2.81)	8.5 (.33)
3/8	20 C00 0038	22 (.87)	87.0 (3.43)	10.0 (.39)



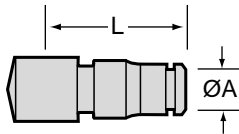
Pneufit Single Stacking Banjo Bolt w/ Top Port (ISO G)

(Supplied complete w/sealing washers)



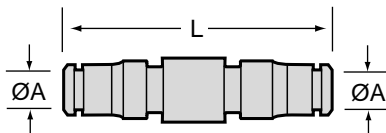
A ISO G or Metric Thread	B ISO G or Metric Top Port Thread	Part Number	C A/F	L	S
M5 x .8	M5 x .8	20 D00 0505	8 (.31)	25.6 (1.01)	2.5 (.10)
1/4	M5 x .8	20 D00 0528	17 (.67)	34.0 (1.34)	8.5 (.33)
	1/8	20 E00 1828	17 (.67)	35.5 (1.40)	6.0 (.24)
	1/4	20 F00 2828	17 (.67)	45.0 (1.77)	8.5 (.33)
1/8	1/8	20 E00 1818	14 (.55)	36.0 (1.42)	5.0 (.20)
3/8	M5 x .8	20 D00 0538	22 (.87)	41.0 (1.61)	10.0 (.39)
	1/8	20 E00 1838	22 (.87)	41.0 (1.61)	10.0 (.39)
	3/8	20 G00 3838	22 (.87)	52.0 (2.05)	10.0 (.39)

Pneufit Elbow Body



A Tube O.D.	Use With Banjo Bolt Size	Part Number	L
4	M5 x .8	10 051 0405	18.7 (.74)
	1/8	10 051 0418	20.6 (.81)
5	M5 x .8	10 051 0505	20.2 (.80)
	1/8	10 051 0518	21.7 (.85)
6	M5 x .8	10 051 0605	22.2 (.87)
	1/8	10 051 0618	23.7 (.93)
	1/4	10 051 0628	24.2 (.95)
8	1/8	10 051 0818	23.7 (.93)
	1/4	10 051 0828	24.7 (.97)
	3/8	10 051 0838	26.7 (1.05)
10	1/4	10 051 1028	30.2 (1.19)
	3/8	10 051 1038	31.2 (1.23)
12	3/8	10 051 1238	33.2 (1.31)
	1/2	10 051 1248	38.2 (1.50)

Pneufit Tee Body

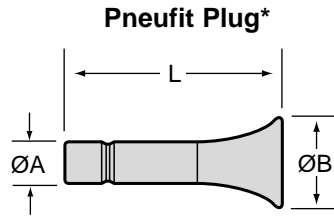


A Tube O.D.	Use With Banjo Bolt Size	Part Number	L
4	M5 x .8	10 071 0405	37.4 (1.47)
	1/8	10 071 0418	41.2 (1.62)
5	M5 x .8	10 071 0505	40.4 (1.59)
	1/8	10 071 0518	43.3 (1.70)
6	1/8	10 071 0618	47.4 (1.87)
	1/4	10 071 0628	48.4 (1.91)
8	1/8	10 071 0818	47.4 (1.87)
	1/4	10 071 0828	49.4 (1.94)



Metric Series Push-In Fittings

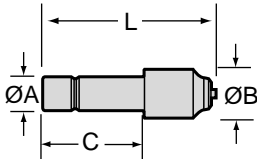
Dimensions in mm (inches)



*Material: Thermoplastic

A Stem O.D.	Part Number	L	B
4	11 004 0400	26.5 (1.04)	9.6 (.38)
5	11 004 0500	28.0 (1.10)	10.6 (.42)
6	11 004 0600	28.5 (1.12)	11.6 (.46)
8	11 004 0800	29.5 (1.16)	12.7 (.50)
10	11 004 1000	34.0 (1.34)	15.6 (.61)
12	11 004 1200	37.5 (1.48)	16.7 (.66)
14	11 004 1400	37.5 (1.48)	19.6 (.77)

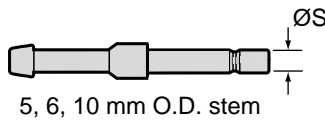
Pneufit Pressure Indicator



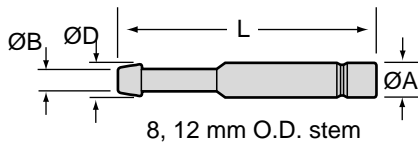
A Stem O.D.	Part Number	B	C	L
4	10 010 0400	8.0 (.31)	16.6 (.65)	28.5 (1.12)
6	10 010 0600	8.0 (.31)	18.5 (.73)	30.5 (1.20)
8	10 010 0800	10.0 (.39)	19.5 (.77)	31.5 (1.24)

Note: The red indicator button remains out at all times unless depressed. If it stays in when pressed it indicates less than 1 bar (14.5 psi) is present.

Pneufit Barb Adapter



5, 6, 10 mm O.D. stem



8, 12 mm O.D. stem

A Stem O.D.	Part Number	B Hose Bore	L	D (ref)	S I.D.
4	10 019 0403	3 (.12)	34.0 (1.34)	4.50 (.18)	1.8 (.07)
	10 019 0405	5 (.20)	34.0 (1.34)	6.50 (.26)	2.1 (.08)
5	10 019 0505	5 (.20)	35.6 (1.40)	6.50 (.26)	2.8 (.11)
6	10 019 0605	5 (.20)	36.0 (1.42)	6.50 (.26)	2.8 (.11)
8	10 019 0806	6.3 (.25)	37.0 (1.46)	8.02 (.32)	4.3 (.17)
	10 019 0808	8 (.31)	38.5 (1.52)	9.75 (.38)	5.5 (.22)
10	10 019 1006	6.3 (.25)	41.5 (1.63)	8.02 (.32)	4.3 (.17)
	10 019 1008	8 (.31)	43.0 (1.69)	9.75 (.38)	5.5 (.22)
	10 019 1010	10 (.39)	44.0 (1.73)	12.15 (.48)	7.3 (.29)
12	10 019 1208	8 (.31)	46.5 (1.83)	9.75 (.38)	5.5 (.22)
	10 019 1210	10 (.39)	46.5 (1.83)	12.15 (.48)	7.3 (.29)
	10 019 1212	12.5 (.49)	47.3 (1.86)	15.40 (.61)	9.7 (.38)
14	10 019 1412	12.5 (.49)	47.2 (1.86)	15.40 (.61)	9.7 (.38)



ISO Pipe Fittings are used to connect pneumatic products containing ISO or equivalent port forms.

Specifications

Fluids: Compressed air, nitrogen and inert and non-combustible gasses, and fluids comparable with materials of construction.

Working Pressure:

750 mm Hg to 18 bar (29.5" Hg vacuum to 260 psig.)

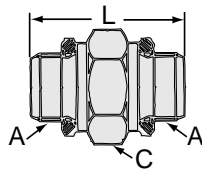
Working Temperature: -20°F to 80°F (0° to 175°F)

Materials of Construction

Body: Nickel plated Brass

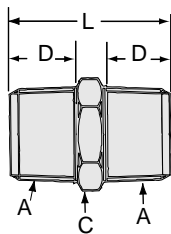
Sealing Washers (ISO G): Copper

Pneufit ISO G Hex Nipple
(Supplied with sealing washers)



A ISO G Thread	Part Number	C A/F	L
1/8	16 020 1818	14 (.55)	23.5 (.93)
1/4	16 020 2828	19 (.75)	30.6 (1.20)
3/8	16 020 3838	22 (.87)	35.7 (1.41)
1/2	16 020 4848	27 (1.06)	44.6 (1.76)

Pneufit ISO R Hex Nipple



A ISO R Thread	Part Number	C A/F	L
1/8	15 020 1818	10 (.39)	24.0 (.94)
1/4	15 020 2828	14 (.55)	27.6 (1.09)
3/8	15 020 3838	17 (.67)	31.7 (1.25)
1/2	15 020 4848	22 (.87)	38.4 (1.51)

NOTE: Threads are not provided with pre-applied thread sealant.

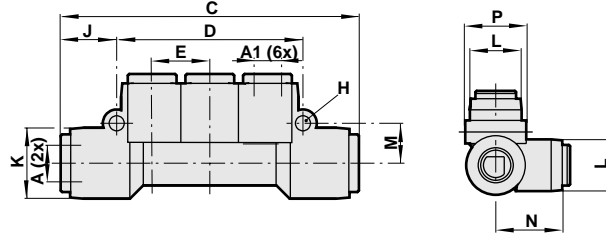


Metric Series Push-In Fittings

Dimensions in mm (inches)

Manifold*

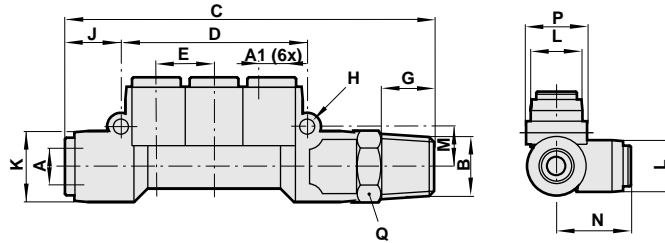
O/D tube



Product Number	A tube O.D.	A1 tube O.D.	C	D	E	H	J	K	L	M	N	P
12 OD6 0502	8.0 (0.3)	4.0 (0.2)	68.0 (2.7)	42.0 (1.7)	13.0 (0.5)	3.4 (0.1)	12.7 (0.5)	16.0 (0.6)	14.0 (0.6)	9.0 (0.4)	20.0 (0.8)	16.4 (0.6)
10 OD6 0806	8.0 (0.3)	6.0 (0.2)	68.0 (2.7)	42.0 (1.7)	13.0 (0.5)	3.4 (0.1)	12.7 (0.5)	16.0 (0.6)	14.0 (0.6)	9.0 (0.4)	20.2 (0.8)	16.4 (0.6)
10 OD6 1006	10.0 (0.4)	6.0 (0.2)	83.0 (3.3)	48.0 (1.9)	15.0 (0.6)	3.4 (0.1)	17.2 (0.7)	20.0 (0.8)	16.0 (0.6)	10.5 (0.4)	22.7 (0.9)	20.4 (0.8)
10 OD6 1008	10.0 (0.4)	8.0 (0.3)	83.0 (3.3)	48.0 (1.9)	15.0 (0.6)	3.4 (0.1)	17.2 (0.7)	20.0 (0.8)	16.0 (0.6)	10.5 (0.4)	22.7 (0.9)	20.4 (0.8)

* Body material thermoplastic

Manifold*



Product Number	A tube O.D.	A1 tube O.D.	B ISO R thread	C	D	E	G	H	J	K	L	M	N	P	Q A/F
10 1D6 0428	8.0 (0.3)	4.0 (0.2)	1/4	83.0 (3.3)	42.0 (1.7)	13.0 (0.5)	11.1 (0.4)	3.4 (0.1)	12.7 (0.5)	16.0 (0.6)	14.0 (0.6)	9.0 (0.4)	20.2 (0.8)	16.4 (0.6)	17.0 (0.7)
10 1D6 0438	8.0 (0.3)	4.0 (0.2)	3/8	85.0 (3.3)	42.0 (1.7)	13.0 (0.5)	12.7 (0.5)	3.4 (0.1)	12.7 (0.5)	16.0 (0.6)	14.0 (0.6)	9.0 (0.4)	20.2 (0.8)	16.4 (0.6)	19.0 (0.7)
10 1D6 0628	8.0 (0.3)	6.0 (0.2)	1/4	83.0 (3.3)	42.0 (1.7)	13.0 (0.5)	11.1 (0.4)	3.4 (0.1)	12.7 (0.5)	16.0 (0.6)	14.0 (0.6)	9.0 (0.4)	20.2 (0.8)	16.4 (0.6)	19.0 (0.7)
10 1D6 0638	8.0 (0.3)	6.0 (0.2)	3/8	85.0 (3.3)	42.0 (1.7)	13.0 (0.5)	12.7 (0.5)	3.4 (0.1)	12.7 (0.5)	16.0 (0.6)	14.0 (0.6)	9.0 (0.4)	20.2 (0.8)	16.4 (0.6)	19.0 (0.7)
10 1D6 0838	10.0 (0.4)	8.0 (0.3)	3/8	100.0 (3.9)	48.0 (1.9)	15.0 (0.6)	12.7 (0.5)	3.4 (0.1)	17.2 (0.7)	20.0 (0.8)	16.0 (0.6)	10.5 (0.4)	22.7 (0.9)	20.4 (0.8)	19.0 (0.7)
10 1D6 0848	10.0 (0.4)	8.0 (0.3)	1/2	104.0 (4.1)	48.0 (1.9)	15.0 (0.6)	15.9 (0.6)	3.4 (0.1)	17.2 (0.7)	20.0 (0.8)	16.0 (0.6)	10.5 (0.4)	22.7 (0.9)	20.4 (0.8)	22.0 (0.9)

* Body material thermoplastic