

pneuforce.com  TM

PUSH IN FITTINGS





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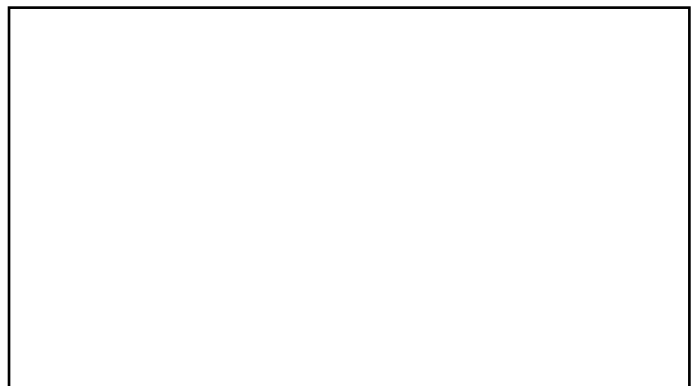
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VISIT OUR DISTRIBUTION & OPERATIONS CENTER

Vacuforce LLC
933 Western Drive
Indianapolis IN 46241
T 1.866.280.3766 | F 1.866.280.4829
www.vacuforce.com | sales@vacuforce.com



CONTACT YOUR LOCAL VACUFORCE & PNEUFORCE DISTRIBUTOR



One touch “push in” fittings are used to connect pneumatic tubing, such as polyurethane and nylon, to various control valves, cylinders and other associated equipment. The Pneuforce fitting allows tubing to be connected and reconnected repeatedly without damaging the tube or fitting. All fittings threads are nickel plated brass. NPT and BSPT tapered threads have a pre-coated thread sealant applied for speed and consistency of assembly.

Universal Tri Thread fittings and M3, M5, M6 and 10-32UNF are parallel threads and therefore utilize an NBR O Ring seal.

- Fluid Medium Air
- Working Pressure 0-150 psi(g) / 10bar(g)
- Proof Pressure 450psi(g) / 30bar(g)
- Vacuum Duty 29.5”Hg / 14mbar(a)
- Working Temperature 32-140°F / 0-60°C *(high temperature models available upon request)*
 All Metal Fittings -40-248°F / -40-120°C (pg.12)

NPT FITTINGS

The Pneuforce NPT fittings are suitable for connection of inch size tubing to NPT threads.

TUBE SIZES

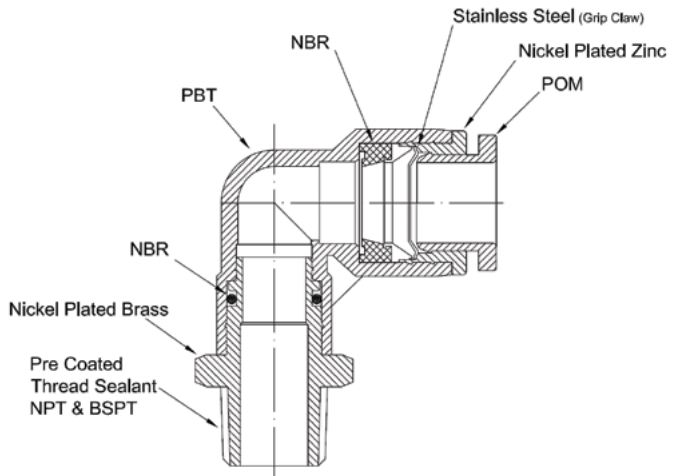
- 1/8”
- 5/32”
- 3/16”
- 1/4”
- 5/16”
- 3/8”
- 1/2”

It should be noted that 5/32” is the same diameter as 4mm and 5/16” is the same diameter as 8mm tubing.

THREAD SIZES

- 10-32UNF
- 1/8”
- 1/4”
- 3/8”
- 1/2”

It should also be noted that 10-32UNF is the same thread form as the metric M5 model.



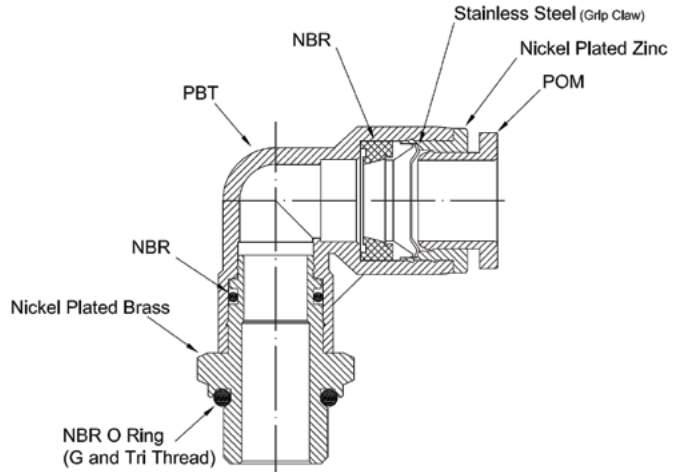
TRI THREAD FITTINGS

The Pneuforce TRI THREAD fittings (designated by -U) have been developed to connect with global fluid power products. With factories across the world using a mix of NPT (American Standard) and BSP threads, there is some confusion as to what male threads should be used or stocked by fluid power users. Therefore the universal thread form of the TRI THREAD series has been developed to enable the connection of 1/8, 1/4, 3/8 and 1/2 male threads into the following female thread forms.

NPT, NPSF, BSPP(G), BSPT(R)

INCH TUBE SIZES	METRIC TUBE SIZES
1/8"	4mm (5/32")
5/32"	6mm
3/16"	8mm (5/16")
1/4"	10mm
5/16"	12mm
3/8"	
1/2"	

It should be noted that 5/32" is the same diameter as 4mm and 5/16" is the same diameter as 8mm tubing.



Due to the design of this thread form, the time taken to install the Tri Thread fitting is dramatically decreased. The following procedure should be used when installing TRI THREAD fittings. By hand, screw the TRI THREAD fitting into the female thread until the O ring seal compresses against the face of the component and the metal shoulder of the fitting makes contact with the component surface. Using a suitably sized wrench, or hex key on straight fittings, continue to tighten the fitting by turning clockwise by a further 1/4 turn. Do not over tighten, as once the O ring is pressed against the mating surface, the seal is airtight. Unlike a tapered thread, the seal is made via an O ring seal which is captive in the TRI THREAD. It is not an interference fit like that of male and female tapered threads. The TRI THREAD will seal repeatedly and therefore can be used again and again.

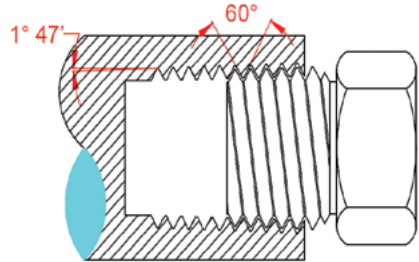
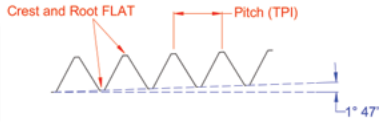


In the pneumatics industry there are four main types of thread forms in use today. This page highlights the technical data of each which should be understood when applying the push to connect fittings shown in this catalogue to applications found in the field.

National Pipe Taper (NPT)

Referred to as NPT, this American pipe thread is by far the most common thread type used on machinery manufactured and used in North America. This tapered thread seals using a thread sealant or tape. The Pneuforce BSPT male threaded fittings have a pre-coated thread sealant which offers speed of connection to female threaded ports as additional thread sealing tape is not required.

Thread Taper Angle **1° 47'**
 Thread Angle **60°**
 Thread Crest & Root **Flat**

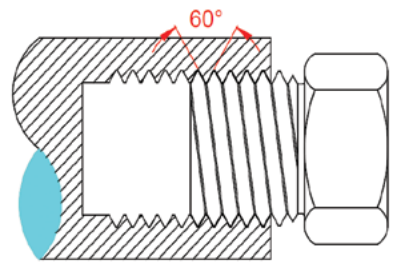
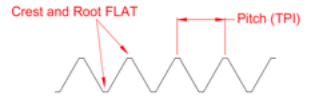


	1/8NPT	1/4NPT	3/8NPT	1/2NPT
TPI	27	18	18	14
Major Ø (mm)	10.3	13.7	17.1	21.3
Pitch (mm)	0.94	1.41	1.41	1.81

National Pipe Straight (NPS)

The NPS thread has the same fundamental characteristics as NPT except that it is a parallel thread. NPSF (National Pipe Straight Fuel) is used for female threads in fuel line connections but in the pneumatics industry it is often used in component bodies made of plastic where a tapered thread could split the component body as the fitting is tightened.

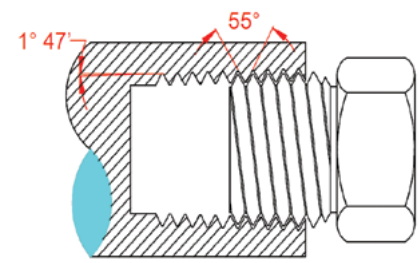
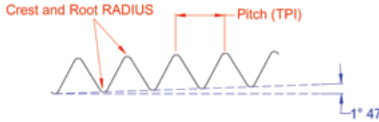
Thread Taper Angle **0°**
 Thread Angle **60°**
 Thread Crest & Root **Flat**



British Standard Pipe Taper (BSPT)

Often referred to as an "R" thread, the BSPT Thread is the standard for pipe thread across the world except for countries in North America which use NPT. BSPT is a tapered thread and is used in male threaded components for connection to female BSPT and BSPP thread forms. Using a BSPT male with BSPT female threads is the preferred method which offers a full tapered seal but are often used to attach to female BSPP threads. BSPT threads require a thread sealant to seal. The Pneuforce BSPT male threaded fittings have a pre-coated thread sealant which offers speed of connection to female threaded ports as additional thread sealing tape is not required.

Thread Taper Angle **1° 47'**
 Thread Angle **55°**
 Thread Crest & Root **Radius**

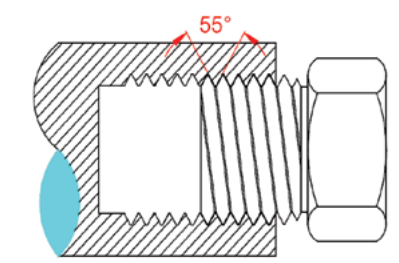


	1/8BSP	1/4BSP	3/8BSP	1/2BSP
TPI	28	19	19	14
Major Ø (mm)	9.7	13.2	16.6	20.9
Pitch (mm)	0.91	1.34	1.34	1.81

British Standard Pipe Parallel (BSPP)

Often referred to as a "G" thread, the BSPP thread form is by far the most popular female thread for pneumatic components except in North America where NPT is the standard. A parallel thread, the male fittings seal with an O ring ensuring an air tight seal and with multiple connections such as a manifold, this sealing method ensures a common fitting height. A further advantage is that the male fitting can be used repeatedly without the need for reapplying thread sealant. Male G threads cannot be connected to female BSPT thread ports.

Thread Taper Angle **0°**
 Thread Angle **55°**
 Thread Crest & Root **Radius**



PART NUMBER NOMENCLATURE

B **PC** **1/4** - **N1**

TUBE SIZE

THREAD SIZE

ALL METAL FITTING
(pg 12)

JSC	90° Flow Control
JSU	Inline Flow Control
PB	Branch Tee
PC	Straight Male Stud
PCF	Female Connector
PD	Run Tee
PE	Union Tee
PEG	Reducing Tee Union
PG	Reducing Straight Union
PGJ	Plug in Reducer
PH	Universal Elbow
PHF	Universal Female Elbow
PIG	Reducing Nipple
PIJ	Nipple
PL	Male Elbow
PLF	Female Elbow
PLGJ	Plug In Reducing Elbow
PLH	Male 45° Elbow
PLJ	Plug In Elbow
PLL	Extended Male Elbow
PM	Bulkhead Union
PMF	Female Bulkhead
POC	Male Round Connector
PP	Plug
PU	Straight Union
PV	Union Elbow
PW	Reducing Union Y
PWJ	Plug In Reducing Elbow
PX	Branch Y
PY	Union Y
PYJ	Plug In Y
PZA	Union Cross

- 1/8
- 5/32
- 1/4
- 5/16
- 3/8
- 1/2
- 4mm
- 6mm
- 8mm
- 10mm
- 12mm

- U 10-32UNF (M5)*
- M5 M5
- N1 1/8NPT
- N2 1/4NPT
- N3 3/8NPT
- N4 1/2NPT
- U01 1/8 Universal
- U02 1/4 Universal
- U03 3/8 Universal
- U04 1/2 Universal

*10-32UNF is interchangeable with an M5 metric thread

It should be noted that 5/32" is the same diameter as 4mm and 5/16" is the same diameter as 8mm tubing.



PC MALE STRAIGHT



Part Number

PC1/8-U
PC1/8-N1
PC5/32-U
PC5/32-N1
PC5/32-N2
PC3/16-U
PC3/16-N1
PC3/16-N2
PC3/16-N3
PC1/4-U
PC1/4-N1
PC1/4-N2
PC1/4-N3
PC5/16-N1
PC5/16-N2
PC5/16-N3
PC3/8-N1
PC3/8-N2
PC3/8-N3
PC3/8-N4
PC1/2-N2
PC1/2-N3
PC1/2-N4

POC ROUND STRAIGHT



Part Number

POC5/32-U
POC5/32-N1
POC1/8-U
POC1/8-N1
POC1/4-U
POC1/4-N1
POC1/4-N2
POC5/16-N1
POC5/16-N2
POC5/16-N3
POC3/8-N3
POC3/8-N4
POC1/2-N3
POC1/2-N4

PCF FEMALE STRAIGHT



Part Number

PCF1/8-U
PCF1/8-N1
PCF5/32-N1
PCF5/32-N2
PCF3/16-N1
PCF3/16-N2
PCF1/4-N1
PCF1/4-N2
PCF5/16-N1
PCF5/16-N2
PCF5/16-N3
PCF3/8-N2
PCF3/8-N3
PCF1/2-N2
PCF1/2-N3

PL MALE ELBOW



Part Number

PL1/8-U
PL1/8-N1
PL5/32-U
PL5/32-N1
PL5/32-N2
PL3/16-U
PL3/16-N1
PL3/16-N2
PL3/16-N3
PL1/4-U
PL1/4-N1
PL1/4-N2
PL1/4-N3
PL5/16-N1
PL5/16-N2
PL5/16-N3
PL3/8-N1
PL3/8-N2
PL3/8-N3
PL3/8-N4
PL1/2-N2
PL1/2-N3
PL1/2-N4

PLL EXTENDED ELBOW



Part Number

PLL1/8-U
PLL1/8-N1
PLL5/32-U
PLL5/32-N1
PLL3/16-N1
PLL3/16-N2
PLL3/16-N3
PLL1/4-N1
PLL1/4-N2
PLL1/4-N3
PLL5/16-N1
PLL5/16-N2
PLL5/16-N3
PLL3/8-N2
PLL3/8-N3
PLL3/8-N4
PLL1/2-N2
PLL1/2-N3
PLL1/2-N4

PLH 45° ELBOW



Part Number

PLH1/8-U
PLH1/8-N1
PLH5/32-U
PLH5/32-N1
PLH5/32-N2
PLH3/16-U
PLH3/16-N1
PLH3/16-N2
PLH3/16-N3
PLH1/4-U
PLH1/4-N1
PLH1/4-N2
PLH1/4-N3
PLH5/16-N1
PLH5/16-N2
PLH5/16-N3
PLH3/8-N1
PLH3/8-N2
PLH3/8-N3
PLH3/8-N4
PLH1/2-N2
PLH1/2-N3
PLH1/2-N4

For 4mm and 8mm tube use 5/32 & 5/16 sizes respectively

For Technical Details Including Dimensions Visit www.pneuforce.com

PLF FEMALE ELBOW



- Part Number**
 PLF1/8-U
 PLF5/32-N1
 PLF3/16-N1
 PLF3/16-N2
 PLF1/4-N1
 PLF1/4-N2
 PLF5/16-N1
 PLF5/16-N2
 PLF5/16-N3
 PLF3/8-N2
 PLF3/8-N3
 PLF1/2-N3
 PLF1/2-N4

PB BRANCH TEE



- Part Number**
 PB1/8-U
 PB1/8-N1
 PB5/32-U
 PB5/32-N1
 PB5/32-N2
 PB3/16-U
 PB3/16-N1
 PB3/16-N2
 PB3/16-N3
 PB1/4-U
 PB1/4-N1
 PB1/4-N2
 PB1/4-N3
 PB5/16-N1
 PB5/16-N2
 PB5/16-N3
 PB3/8-N1
 PB3/8-N2
 PB3/8-N3
 PB3/8-N4
 PB1/2-N2
 PB1/2-N3
 PB1/2-N4

PD RUN TEE



- Part Number**
 PD1/8-U
 PD1/8-N1
 PD5/32-U
 PD5/32-N1
 PD5/32-N2
 PD3/16-U
 PD3/16-N1
 PD3/16-N2
 PD3/16-N3
 PD1/4-U
 PD1/4-N1
 PD1/4-N2
 PD1/4-N3
 PD5/16-N1
 PD5/16-N2
 PD5/16-N3
 PD3/8-N1
 PD3/8-N2
 PD3/8-N3
 PD3/8-N4
 PD1/2-N2
 PD1/2-N3
 PD1/2-N4

PX BRANCH Y



- Part Number**
 PX1/8-U
 PX1/8-N1
 PX5/32-U
 PX3/16-U
 PX5/32-N1
 PX5/32-N2
 PX3/16-N1
 PX3/16-N2
 PX3/16-N3
 PX1/4-U
 PX1/4-N1
 PX1/4-N2
 PX1/4-N3
 PX5/16-N1
 PX5/16-N2
 PX5/16-N3
 PX3/8-N1
 PX3/8-N2
 PX3/8-N3
 PX3/8-N4
 PX1/2-N2
 PX1/2-N3
 PX1/2-N4

PH MALE ELBOW



- Part Number**
 PH1/8-U
 PH1/8-N1
 PH5/32-U
 PH5/32-N1
 PH3/16-U
 PH3/16-N1
 PH3/16-N2
 PH1/4-N1
 PH1/4-N2
 PH5/16-N1
 PH5/16-N2
 PH5/16-N3
 PH3/8-N2
 PH3/8-N3
 PH1/2-N3
 PH1/2-N4

PHF FEMALE ELBOW



- Part Number**
 PHF1/8-U
 PHF1/8-N1
 PHF5/32-U
 PHF5/32-N1
 PHF3/16-U
 PHF3/16-N1
 PHF3/16-N2
 PHF1/4-N1
 PHF1/4-N2
 PHF5/16-N1
 PHF5/16-N2
 PHF5/16-N3
 PHF3/8-N2
 PHF3/8-N3
 PHF1/2-N3
 PHF1/2-N4

PMF BULKHEAD



- Part Number**
 PMF5/32-N1
 PMF3/16-N2
 PMF1/4-N1
 PMF1/4-N2
 PMF5/16-N1
 PMF5/16-N2
 PMF5/16-N3
 PMF3/8-N2
 PMF3/8-N3
 PMF1/2-N3
 PMF1/2-N4

PKD MANIFOLD



- Part Number**
 PKD3/16-5/32-N1
 PKD1/4-5/32-N1
 PKD5/16-1/4-N2
 PKD5/16-3/16-N2
 PKD5/16-5/32-N2
 PKD3/8-5/16-N3

For 4mm and 8mm tube use 5/32 & 5/16 sizes respectively

For Technical Details Including Dimensions Visit www.pneuforce.com

PC MALE STUD



Part Number
 PC1/8-U
 PC1/8-U01
 PC5/32-U
 PC5/32-U01
 PC5/32-U02
 PC1/4-U
 PC1/4-U01
 PC1/4-U02
 PC1/4-U03
 PC5/16-U01
 PC5/16-U02
 PC5/16-U03
 PC3/8-U01
 PC3/8-U02
 PC3/8-U03
 PC3/8-U04
 PC1/2-U02
 PC1/2-U03
 PC1/2-U04
 PC06-M5
 PC06-U01
 PC06-U02
 PC06-U03
 PC10-U01
 PC10-U02
 PC10-U03
 PC10-U04
 PC12-U02
 PC12-U03
 PC12-U04

PL MALE ELBOW



Part Number
 PL1/8-U
 PL1/8-U01
 PL5/32-U
 PL5/32-U01
 PL5/32-U02
 PL1/4-U
 PL1/4-U01
 PL1/4-U02
 PL1/4-U03
 PL5/16-U01
 PL5/16-U02
 PL5/16-U03
 PL3/8-U01
 PL3/8-U02
 PL3/8-U03
 PL3/8-U04
 PL1/2-U02
 PL1/2-U03
 PL1/2-U04
 PL06-M5
 PL06-U01
 PL06-U02
 PL06-U03
 PL10-U01
 PL10-U02
 PL10-U03
 PL10-U04
 PL12-U02
 PL12-U03
 PL12-U04

PLL EXTENDED ELBOW



Part Number
 PLL1/8-U
 PLL1/8-U01
 PLL5/32-U
 PLL5/32-U01
 PLL5/32-U02
 PLL1/4-U
 PLL1/4-U01
 PLL1/4-U02
 PLL1/4-U03
 PLL5/16-U01
 PLL5/16-U02
 PLL5/16-U03
 PLL3/8-U01
 PLL3/8-U02
 PLL3/8-U03
 PLL3/8-U04
 PLL1/2-U02
 PLL1/2-U03
 PLL1/2-U04
 PLL06-M5
 PLL06-U01
 PLL06-U02
 PLL06-U03
 PLL10-U01
 PLL10-U02
 PLL10-U03
 PLL10-U04
 PLL12-U02
 PLL12-U03
 PLL12-U04

PB BRANCH TEE



Part Number
 PB1/8-U
 PB1/8-U01
 PB5/32-U
 PB5/32-U01
 PB5/32-U02
 PB1/4-U
 PB1/4-U01
 PB1/4-U02
 PB1/4-U03
 PB5/16-U01
 PB5/16-U02
 PB5/16-U03
 PB3/8-U01
 PB3/8-U02
 PB3/8-U03
 PB3/8-U04
 PB1/2-U02
 PB1/2-U03
 PB1/2-U04
 PB06-M5
 PB06-U01
 PB06-U02
 PB06-U03
 PB10-U01
 PB10-U02
 PB10-U03
 PB10-U04
 PB12-U02
 PB12-U03
 PB12-U04

PD RUN TEE



Part Number
 PD1/8-U
 PD1/8-U01
 PD5/32-U
 PD5/32-U01
 PD5/32-U02
 PD1/4-U
 PD1/4-U01
 PD1/4-U02
 PD1/4-U03
 PD5/16-U01
 PD5/16-U02
 PD5/16-U03
 PD3/8-U01
 PD3/8-U02
 PD3/8-U03
 PD3/8-U04
 PD1/2-U02
 PD1/2-U03
 PD1/2-U04
 PD06-M5
 PD06-U01
 PD06-U02
 PD06-U03
 PD10-U01
 PD10-U02
 PD10-U03
 PD10-U04
 PD12-U02
 PD12-U03
 PD12-U04

PX BRANCH Y



Part Number
 PX1/8-U
 PX1/8-U01
 PX5/32-U
 PX5/32-U01
 PX5/32-U02
 PX1/4-U
 PX1/4-U01
 PX1/4-U02
 PX1/4-U03
 PX5/16-U01
 PX5/16-U02
 PX5/16-U03
 PX3/8-U01
 PX3/8-U02
 PX3/8-U03
 PX3/8-U04
 PX1/2-U02
 PX1/2-U03
 PX1/2-U04
 PX06-M5
 PX06-U01
 PX06-U02
 PX06-U03
 PX10-U01
 PX10-U02
 PX10-U03
 PX10-U04
 PX12-U02
 PX12-U03
 PX12-U04

POC ROUND STRAIGHT



- Part Number**
 POC04-M5
 POC04-M6
 POC04-01
 POC04-02
 POC06-M5
 POC06-M6
 POC06-01
 POC06-02
 POC06-03
 POC08-01
 POC08-02
 POC08-03
 POC08-04
 POC10-01
 POC10-02
 POC10-03
 POC10-04
 POC12-02
 POC12-03
 POC12-04

PCF FEMALE STRAIGHT



- Part Number**
 PCF04-01
 PCF04-02
 PCF06-01
 PCF06-02
 PCF06-03
 PCF08-01
 PCF08-02
 PCF08-03
 PCF08-04
 PCF10-01
 PCF10-02
 PCF10-03
 PCF10-04
 PCF12-02
 PCF12-03
 PCF12-04

PMF BULKHEAD



- Part Number**
 PMF04-G01
 PMF04-G02
 PMF06-G01
 PMF06-G02
 PMF06-G03
 PMF08-G01
 PMF08-G02
 PMF08-G03
 PMF08-G04
 PMF10-G01
 PMF10-G02
 PMF10-G03
 PMF10-G04
 PMF12-G02
 PMF12-G03
 PMF12-G04

PH MALE ELBOW



- Part Number**
 PH04-M5
 PH04-G01
 PH06-M5
 PH06-G01
 PH06-G02
 PH08-G01
 PH08-G02
 PH08-G03
 PH10-G02
 PH10-G03
 PH12-G03
 PH12-G04

PHF FEMALE ELBOW



- Part Number**
 PHF04-M5
 PHF04-G01
 PHF06-M5
 PHF06-G01
 PHF06-G02
 PHF08-G01
 PHF08-G02
 PHF08-G03
 PHF10-G02
 PHF10-G03
 PHF12-G03
 PHF12-G04

PLF FEMALE ELBOW



- Part Number**
 PLF04-M5
 PLF04-M6
 PLF04-G01
 PLF04-G02
 PLF06-M5
 PLF06-M6
 PLF06-G01
 PLF06-G02
 PLF06-G03
 PLF08-G01
 PLF08-G02
 PLF08-G03
 PLF08-G04
 PLF10-G01
 PLF10-G02
 PLF10-G03
 PLF10-G04
 PLF12-G02
 PLF12-G03
 PLF12-G04

PLH 45° ELBOW



- Part Number**
 PLH04-M5
 PLH04-G01
 PLH04-G02
 PLH06-M5
 PLH06-G01
 PLH06-G02
 PLH06-G03
 PLH06-G04
 PLH08-G01
 PLH08-G02
 PLH08-G03
 PLH08-G04
 PLH10-G01
 PLH10-G02
 PLH10-G03
 PLH10-G04
 PLH12-G02
 PLH12-G03
 PLH12-G04

PKD MANIFOLD



- Part Number**
 PKD06-04-G01
 PKD08-04-G02
 PKD08-06-G02
 PKD10-08-G03

For 4mm and 8mm tube use 5/32 & 5/16 sizes respectively

For Technical Details Including Dimensions Visit www.pneuforce.com

PM BULKHEAD



Part Number

PM1/8
PM5/32
PM3/16
PM1/4
PM5/16
PM3/8
PM1/2

PM04
PM06
PM08
PM10
PM12

PU UNION STRAIGHT



Part Number

PU1/8
PU5/32
PU3/16
PU1/4
PU5/16
PU3/8
PU1/2

PU04
PU06
PU08
PU10
PU12
PU16

PV UNION ELBOW



Part Number

PV1/8
PV5/32
PV3/16
PV1/4
PV5/16
PV3/8
PV1/2

PV04
PV06
PV08
PV10
PV12
PV16

PE UNION TEE



Part Number

PE1/8
PE5/32
PE3/16
PE1/4
PE5/16
PE3/8
PE1/2

PE04
PE06
PE08
PE10
PE12
PE16

PY UNION Y



Part Number

PY1/8
PY5/32
PY3/16
PY1/4
PY5/16
PY3/8
PY1/2

PY04
PY06
PY08
PY10
PY12
PY16

PZA UNION CROSS



Part Number

PV1/8
PV5/32
PV3/16
PV1/4
PV5/16
PV3/8
PV1/2

PV04
PV06
PV08
PV10
PV12
PV16

PG REDUCING UNION



Part Number

PG5/32-1/8
PG3/16-5/32
PG1/4-5/32
PG1/4-3/16
PG5/16-1/4
PG3/8-5/16
PG1/2-3/8

PG06-04
PG08-06
PG10-08
PG12-10
PG16-12

PEG REDUCING TEE



Part Number

PEG1/4-1/8
PEG1/4-5/32
PEG5/16-5/32
PEG5/16-1/4
PEG3/8-5/16
PEG1/2-3/8

PEG06-04
PEG08-04
PEG08-06
PEG10-08
PEG12-10

PW REDUCING Y



Part Number

PW5/32-1/8
PW3/16-5/32
PW1/4-5/32
PW1/4-3/16
PW5/16-1/4
PW3/8-1/4
PW3/8-5/16
PW1/2-3/8

PW06-04
PW08-06
PW10-08
PW12-10

For 4mm and 8mm tube use 5/32 & 5/16 sizes respectively

For Technical Details Including Dimensions Visit www.pneuforce.com

PP PLUG



- Part Number**
 PP5/32
 PP3/16
 PP1/4
 PP5/16
 PP3/8
 PP1/2

 PP04
 PP06
 PP08
 PP10
 PP12
 PP16

PIJ NIPPLE



- Part Number**
 PIJ5/32
 PIJ3/16
 PIJ1/4
 PIJ5/16
 PIJ3/8
 PIJ1/2

 PIJ04
 PIJ06
 PIJ08
 PIJ10
 PIJ12
 PIJ16

PIG REDUCING NIPPLE



- Part Number**
 PIG3/16-5/32
 PIG1/4-5/32
 PIG1/4-3/16
 PIG5/16-5/32
 PIG5/16-1/4
 PIG3/8-5/16
 PIG1/2-3/8

 PIG06-04
 PIG08-04
 PIG08-06
 PIG10-06
 PIG10-08

The PIJ Hollow Nipple Is Used to Connect two Fittings Directly Together

PGJ PLUG IN REDUCER



- Part Number**
 PGJ1/4-5/32
 PGJ5/16-5/32
 PGJ5/16-1/4
 PGJ3/8-1/4
 PGJ3/8-5/16
 PGJ1/2-1/4
 PGJ1/2-5/16
 PGJ1/2-3/8

 PGJ06-04
 PGJ08-04
 PGJ08-06
 PGJ10-06
 PGJ10-08
 PGJ12-06
 PGJ12-08
 PGJ12-10

The PGJ Stem is the Larger Size

PYJ PLUG IN Y



- Part Number**
 PIJ5/32
 PIJ3/16
 PIJ1/4
 PIJ5/16
 PIJ3/8
 PIJ1/2

 PIJ04
 PIJ06
 PIJ08
 PIJ10
 PIJ12
 PIJ16

PLJ PLUG IN ELBOW



- Part Number**
 PLJ1/8
 PLJ5/32
 PLJ3/16
 PLJ1/4
 PLJ5/16
 PLJ3/8
 PLJ1/2

 PLJ04
 PLJ06
 PLJ08
 PLJ10
 PLJ12

PLGJ REDUCING ELBOW



- Part Number**
 PLGJ5/32-1/8
 PLGJ3/16-5/32
 PLGJ1/4-5/32
 PLGJ1/4-3/16
 PLGJ5/16-1/4
 PLGJ3/8-5/16
 PLGJ1/2-3/8

 PLGJ06-04
 PLGJ08-06
 PLGJ10-08
 PLGJ12-10

The PLGJ Stem is the Larger Size

PWJ REDUCING Y



- Part Number**
 PWJ5/32-1/8
 PWJ1/4-5/32
 PWJ5/16-1/4
 PWJ3/8-5/16
 PWJ1/2-3/8

 PWJ06-04
 PWJ08-06
 PWJ10-08
 PWJ12-10

For 4mm and 8mm tube use 5/32 & 5/16 sizes respectively

For Technical Details Including Dimensions Visit www.pneuforce.com

MANIFOLDS

PK MANIFOLD



Part Number
 PK5/32
 PK3/16
 PK1/4
 PK5/16

 PK04
 PK06
 PK08

The PK Manifold Has All Equal Size Ports

PKG MANIFOLD



Part Number
 PKG3/16-5/32
 PKG1/4-5/32
 PKG5/16-5/32
 PKG5/16-1/4
 PKG3/8-1/4
 PKG3/8-5/16

 PKG06-04
 PKG08-06
 PKG10-06
 PKG10-08
 PKG12-10

The PKG Manifold Has Supply Ports of Equal Size & Three Reduced Side Ports

PKJ MANIFOLD



Part Number
 PKJ3/16-5/32
 PKJ1/4-5/32
 PKJ5/16-5/32
 PKJ5/16-1/4
 PKJ3/8-1/4
 PKJ3/8-5/16

 PKJ06-04
 PKJ08-04
 PKJ08-06
 PKJ10-06
 PKJ10-08

The PKJ Manifold Has a Stem & Opposite Tube Port of Equal Size & Three Reduced Side Ports

FLOW CONTROLS

JSC FLOW CONTROL INCH TUBE TO NPT



Part Number
 JSC1/8-U
 JSC1/8-N1
 JSC5/32-U
 JSC5/32-N1
 JSC3/16-U
 JSC3/16-N1
 JSC3/16-N2
 JSC3/16-N3
 JSC1/4-U
 JSC1/4-N1
 JSC1/4-N2
 JSC1/4-N3
 JSC5/16-N1
 JSC5/16-N2
 JSC5/16-N3
 JSC3/8-N2
 JSC3/8-N3
 JSC3/8-N4
 JSC1/2-N3
 JSC1/2-N4

JSC FLOW CONTROL MM TUBE TO BSPT



Part Number
 JSC04-01
 JSC04-02
 JSC06-01
 JSC06-02
 JSC06-03
 JSC06-04
 JSC08-01
 JSC08-02
 JSC08-03
 JSC08-04
 JSC10-01
 JSC10-02
 JSC10-03
 JSC10-04
 JSC12-02
 JSC12-03
 JSC12-04

JSC FLOW CONTROL MM TUBE TO BSPP



Part Number
 JSC04-M5
 JSC04-M6
 JSC04-G01
 JSC06-M5
 JSC06-M6
 JSC06-G01
 JSC06-G02
 JSC06-G03
 JSC06-G04
 JSC08-G01
 JSC04-G02
 JSC08-G02
 JSC08-G03
 JSC08-G04
 JSC10-G01
 JSC10-G02
 JSC10-G03
 JSC10-G04
 JSC12-G02
 JSC12-G03
 JSC12-G04

JSU FLOW CONTROL MM & INCH TUBING



Part Number
 JSU1/8
 JSU5/32
 JSU3/16
 JSU1/4
 JSU5/16
 JSU3/8
 JSU1/2

 JSU04
 JSU06
 JSU08
 JSU10
 JSU12

NASC FLOW CONTROL NPT THREADS



Part Number	Port Size
NASC-06	1/8NPT
NASC-08	1/4NPT
NASC-10	3/8NPT
NASC-15	1/2NPT

For 4mm and 8mm tube use 5/32 & 5/16 sizes respectively

For Technical Details Including Dimensions Visit www.pneuforce.com

The Pneuforce brass nickel plated push to connect fittings have been developed for use in harsh environments and applications.

Designed for low and high temperature operation these fittings exceed all normal criteria expected of a standard push to connect fitting.

The unique Pneuforce universal threads enable connection to all female BSPP, BSPT, NPT and NPSF threads.

SPECIFICATIONS

Minimum Operating Temperature
 Maximum Operating Temperature
 Minimum Operating Pressure
 Maximum Operating Pressure

-40°C / -40°F
 +120°C / +248°F
 29"Hg (vacuum)
 12bar(g) / 176psi(g)

BPC MALE STUD



- Part Number**
 BPC1/4-U01
 BPC1/4-U02
 BPC5/16-U01
 BPC5/16-U02
 BPC3/8-U02
 BPC3/8-U03

 BPC06-U01
 BPC06-U02
 BPC10-U02
 BPC10-U03

BPL ELBOW



- Part Number**
 BPL1/4-U01
 BPL1/4-U02
 BPL5/16-U01
 BPL5/16-U02
 BPL3/8-U02
 BPL3/8-U03

 BPL06-U01
 BPL06-U02
 BPL10-U02
 BPL10-U03

BPB BRANCH TEE



- Part Number**
 BPB1/4-U01
 BPB1/4-U02
 BPB5/16-U01
 BPB5/16-U02
 BPB3/8-U02
 BPB3/8-U03

 BPB06-U01
 BPB06-U02
 BPB10-U02
 BPB10-U03

BPD RUN TEE



- Part Number**
 BPD1/4-U01
 BPD1/4-U02
 BPD5/16-U01
 BPD5/16-U02
 BPD3/8-U02
 BPD3/8-U03

 BPD06-U01
 BPD06-U02
 BPD10-U02
 BPD10-U03

BPE UNION TEE



- Part Number**
 BPE1/4
 BPE5/16
 BPE3/8

 BPE06
 BPE10

BPU UNION



- Part Number**
 BPU1/4
 BPU5/16
 BPU3/8

 BPU06
 BPU10

BPV UNION ELBOW



- Part Number**
 BPV1/4
 BPV5/16
 BPV3/8

 BPV06
 BPV10

BPY UNION TEE



- Part Number**
 BPY1/4
 BPY5/16
 BPY3/8

 BPY06
 BPY10

For 4mm and 8mm tube use 5/32 & 5/16 sizes respectively

For Technical Details Including Dimensions Visit www.pneuforce.com

Pneuforce Compact or Miniature push to connect fittings for use with micro pneumatics such as mini control valves, toggle switches and other smaller pneumatic devices.

Very popular for use inside control panels where space is at a premium, these fittings offer an extremely compact solution for tube connection between components. Available in both inch and metric tube sizes with thread sizes from M3 through to 1/8 pipe threads.

PC-C MALE STUD



Part Number
 PC03-M3C
 PC03-M6C
 PC03-M5C
 PC04-01C
 PC04-M3C
 PC04-M6C
 PC04-M5C
 PC06-01C
 PC06-M6C
 PC06-M5C
 PC1/4-01C
 PC1/4-UC

POC-C ROUND STUD



Part Number
 POC03-M3C
 POC03-M6C
 POC03-M5C
 POC04-01C
 POC04-M3C
 POC04-M6C
 POC04-M5C
 POC06-01C
 POC06-M6C
 POC06-M5C
 POC1/4-01C
 POC1/4-UC

PL-C ELBOW



Part Number
 PL03-M3C
 PL03-M6C
 PL03-M5C
 PL04-01C
 PL04-M3C
 PL04-M6C
 PL04-M5C
 PL06-01C
 PL06-M6C
 PL06-M5C
 PL1/4-01C
 PL1/4-UC

PLL-C ELBOW



Part Number
 PLL03-M3C
 PLL03-M6C
 PLL03-M5C
 PLL04-01C
 PLL04-M3C
 PLL04-M6C
 PLL04-M5C
 PLL06-01C
 PLL06-M6C
 PLL06-M5C
 PLL1/4-01C
 PLL1/4-UC

PB-C BRANCH TEE



Part Number
 PB03-M3C
 PB03-M6C
 PB03-M5C
 PB04-01C
 PB04-M3C
 PB04-M6C
 PB04-M5C
 PB06-01C
 PB06-M6C
 PB06-M5C
 PB1/4-01C
 PB1/4-UC

PD-C RUN TEE



Part Number
 PD03-M3C
 PD03-M6C
 PD03-M5C
 PD04-01C
 PD04-M3C
 PD04-M6C
 PD04-M5C
 PD06-01C
 PD06-M6C
 PD06-M5C
 PD1/4-01C
 PD1/4-UC

PCF-C FEMALE STUD



Part Number
 PCF03-M3C
 PCF03-M6C
 PCF03-M5C
 PCF04-01C
 PCF04-M3C
 PCF04-M6C
 PCF04-M5C
 PCF06-01C
 PCF06-M6C
 PCF06-M5C
 PCF1/4-01C
 PCF1/4-UC

JSC-C FLOW CONTROL



Part Number
 JSC03-M3C
 JSC03-M6C
 JSC03-M5C
 JSC04-01C
 JSC04-M3C
 JSC04-M6C
 JSC04-M5C
 JSC06-01C
 JSC06-M6C
 JSC06-M5C
 JSC1/4-01C
 JSC1/4-UC

PM-C UNION



Part Number
 PM03C
 PM04C
 PM06C
 PM1/4C

PU-C UNION



Part Number
 PU03C
 PU04C
 PU06C
 PU1/4C

PE-C UNION ELBOW



Part Number
 PE03C
 PE04C
 PE06C
 PE1/4C

PY-C UNION Y



Part Number
 PY03C
 PY04C
 PY06C
 PY1/4C

Pneuforce offers a complete line of pneumatic automation equipment such as the types highlighted below. Pneuforce specializes in supplying industrial distributors high quality, cost competitive products from around the world enabling industrial distributors to compete in today's global market.

Pneuforce also offers custom manufacturing of mechanical components. Please contact us with your inquiry.

FRL Assemblies & Components

- Air Filters
- Pressure Regulators
- Airline Lubricators
- Inline Mini Regulators
- Safety Lock Out Valves



Switches & Sensors

- Solid State Sensors
- PNP & NPN Models
- Carbon Steel Case Gauges
- Stainless Steel Gauges

Control Valves

- Poppet Valves
- Pilot Operated Spool Valves
- Solenoid Spool Valves
- Valve Manifolds
- 2/2, 3/2, 5/2 & 5/3 configurations
- From 10-32UNF to 2NPT



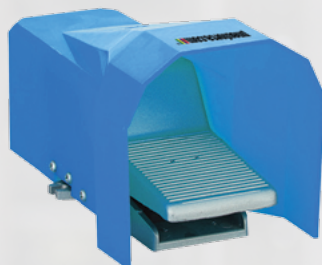
Electrical Connectors

- DIN43650 Solenoid Connectors
- Form A, Form B, Form C & D
- Molded DIN Connectors
- M8 Straight and 90° Connectors
- M12 Straight and 90° Connectors
- Solenoid Valve Timers



Manual & Automatic Valves

- Hand Valves
- Directional Valves
- Foot Pedal Valves
- Quick Exhaust Valves
- Shuttle Valves
- Check Valves
- Precision Flow Controls



Mufflers & Silencers

- Plastic Silencers
- Aluminum Silencers
- Brass Breather Vents
- Brass Exhaust Mufflers
- Silencers with Flow Control

