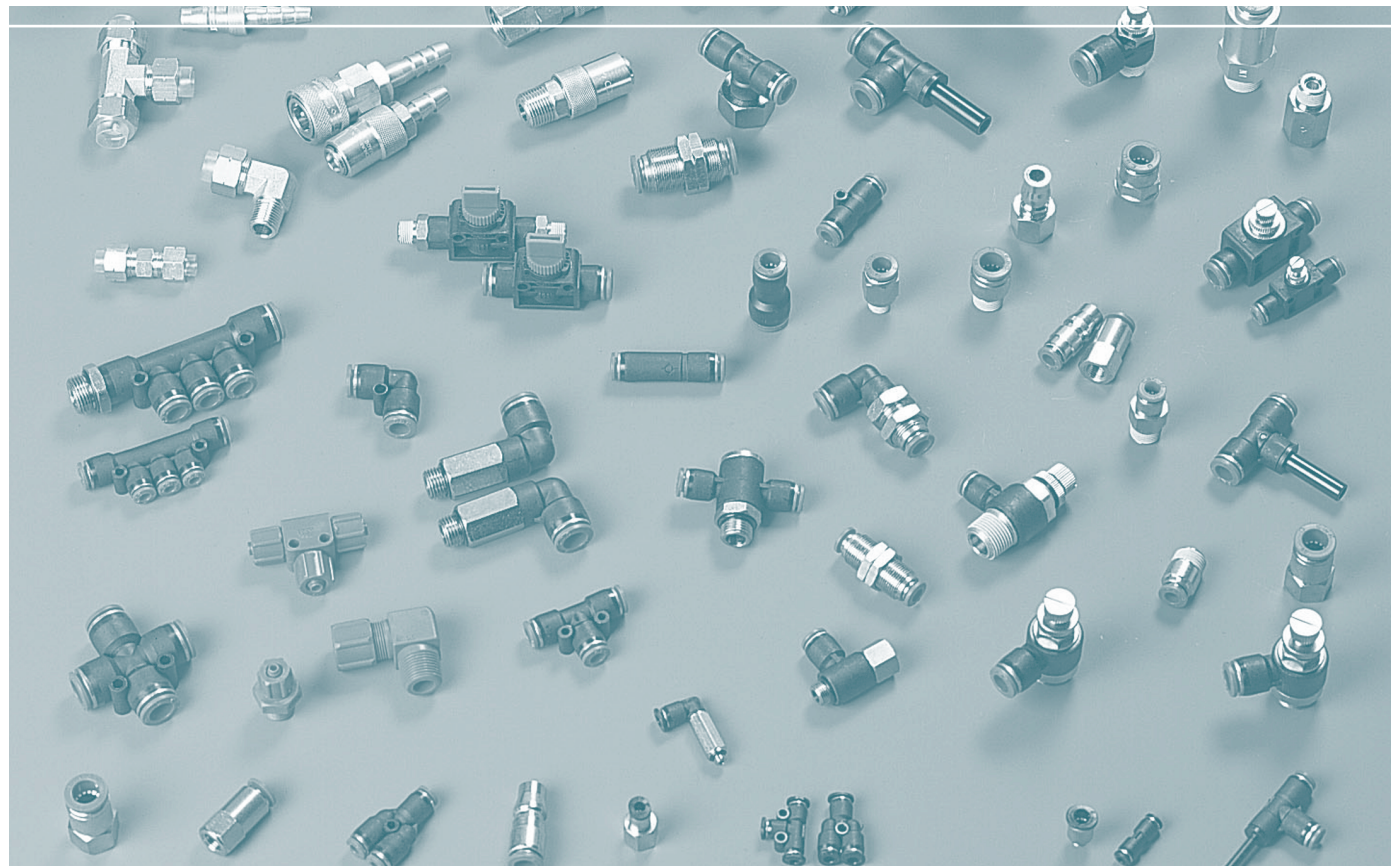




Another advanced technology
that brings glory to the Industry.



CDC Pneumatics

We started in the hydraulic and pneumatic business in 1983 under the vision of Future oriented technology development, Perfect quality management, Customer oriented service mind and have done our best aggressively investing in facilities and improving quality to take an important role in the domestic pneumatic and hydraulic industry that is lagging behind others.



www.cdcpneumatics.com

Best
Technology

Our perfect quality system was established by obtaining ISO9002 certification in 2000 and ISO9001 in 2001 thus becoming a leader in the hydraulic and pneumatic industry. We were awarded the "Million Dollar Export Tower" in 2000 and the "3 Million Dollar Export Tower" in June, 2004. We also had 5 million dollar exports in December, 2005 enhancing the status of the domestic pneumatic and hydraulic industry. We are striving to strengthen our competitive power, developing modern technologies for new markets, new enterprise selections, and applying core technologies to change the one-touch fitting market. We, at CDC Pneumatics, are committed to produce perfect quality products using the latest technologies, and all our staff will keep reaching for the top.



Best Quality

Best Service

Best Technology

Basic Construction of Fitting

One-Touch Fittings Compact One-Touch Fittings Silencers Speed Controllers Hand Valves Stop Fittings Check Valves Speed Controllers
with Pilot Check Valves Two-Touch Fittings Tubes Air Guns Oil Ejector Lines Couplers Two-Touch Fittings BSBM

Safety Caution and Classification of Warning Indications



DANGER

Death or serious injury may occur.



WARNING

Depending on the specific situation, death or serious injury may occur.



CAUTION

Depending on the specific situation, serious/light injury or loss of property may occur.

Caution for Products in this Catalogue

DANGER

Do not use products in this catalogue in machines that have the following purposes:

- ① Maintenance of human body and life
- ② Human transportation
- ③ Instruments of critical safety

WARNING

Do not use these products in the conditions below:

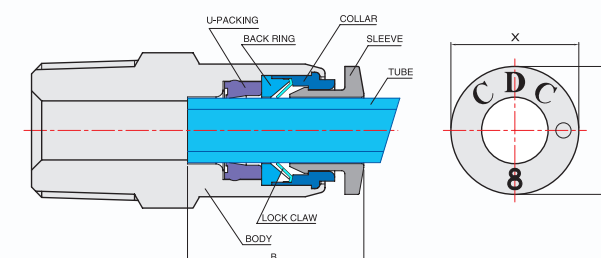
- ① Uses other than those specified and in conditions indicated for the particular product.
- ② Never touch the release sleeve of one-touch fittings when they are pressurized.
(It may cause tube separation, resulting in potentially dangerous situations).
- ③ Places subject to excessive external pressure due to pulling, bending and twisting.
(It may cause body breakdown, resulting in potentially dangerous situations)
- ④ Places subject to excessive vibration, impact, rotation and bending
- ⑤ Places exposed to corrosive fluid, flammable fluid, chemicals, sea water, water and vapor

CAUTION

- ① Assemble pipes only after cleaning away impurities such as dust.
- ② The product can suffer damage or the screw may break causing quality problems when the product is assembled using excessive pressure, higher than the recommended permissible torque. If it is assembled using less pressure than the recommended torque, it may cause leakage due to the loosened screw.
- ③ Refer to the Recommended Torque Table by screw size when screwing up.
- ④ When connecting a tube to fitting products, check out the tube insertion length as indicated in Table 1 and push the tube in to the end of the fitting.

Recommended Connection Torque (by thread)

Thread type	Thread Size	Recommended torque (kgf·cm)
Metric Thread (mm)	M3×P0.5	0.7 N.m
	M5×P0.8	1.5 N.m
	M6×P1.0	2.3 N.m
Pipe Taper Thread (PT)	R1/8	7 N.m
	R1/4	12 N.m
	R3/8	22 N.m
Unified Thread (UNF)	R1/2	28 N.m
	No. 10-32 UNF	1.5 N.m
NPT Thread	NPT1/16	7 N.m
	NPT1/8	7 N.m
	NPT1/4	12 N.m
	NPT3/8	22 N.m
PF Thread	NPT1/2	28 N.m
	G 1/8	10 N.m
	G 1/4	15 N.m
	G 3/8	25 N.m
	G 1/2	40 N.m



- ⑤ Do not use these products along with others than CDC Pneumatics. If products do not meet prescribed tolerances, tube separation and air leakage may occur.

[Table 1] Tube Insertion Length

Standard fittings									
Tube Insertion Length	Standard Type						Compact Type		
	φ4	φ6	φ8	φ10	φ12	φ16	φ3	φ4	φ6
B	15.0	16.5	18.8	20.1	22.9	23.6	11.3	11.8	12.9

Inch fittings									
Tube Insertion Length	Standard Type						Compact Type		
	φ5/32	φ3/16	φ1/4	φ5/16	φ3/8	φ1/2	φ1/8	φ5/32	φ1/4
B	15.0	15.9	16.8	18.8	20.1	23.1	11.3	11.8	13.5

Caution on Fitting Products

WARNING

- Do not use on fluids other than air and water (partly available for some products). Contact us for use on other fluids.
- Water or other fluids at temperatures of 60℃ or higher may cause hydrolysis due to the heat, and it can also deform the tube or fitting.
- Be sure to prevent pressure buildup caused by twisting, pulling, and bending of the fitting product.
- Do not use the product where weld spatters occur as fire may break out.
- Product damage or air leakage may occur at places where there is rotation and vibration. Choose the right product from our catalogue.
- Use caution in water as the product may be damaged by surge pressure.
- Do not use the product where it is directly exposed to fluids such as cutting oil, lubricating oil, and coolant oil.
- Be sure to refer to Tolerance Data (P208) in using chemicals.

Common Precautions

CAUTION

- 1 Assemble the pipes only after cleaning away impurities such as dust.
- 2 Fitting products are used in connections to transport air smoothly. Avoid using them for other purposes.
- 3 The tube release sleeve is circular so that it is not restricted by small places and limited spaces, otherwise, you may choose products from other series(such as compact fittings).
- 4 Refer to Table 1 to make sure that tolerance of the OD of the tube is in the permissible range when using products other than CDC Pneumatics'.

[Table 1] Tolerance of the Outer Diameter of the Tube

Tolerance of the OD by size (Metric)							
(Unit:mm)							
Tube specifications	Ø3	Ø4	Ø6	Ø8	Ø10	Ø12	Ø16
Permissible tolerance	±0.1	±0.1	±0.1	±0.1	±0.15	±0.15	±0.15

Tolerance of the OD by size (Inch)							
(Unit:mm)							
Tube specifications	Ø1/8	Ø5/32	Ø3/16	Ø1/4	Ø5/16	Ø3/8	Ø1/2
Permissible tolerance	±0.15	±0.15 -0.1	±0.15	±0.1	+0.2 -0.1	±0.15	±0.15

- 5 Insertion of tube to fitting product
 - Make sure the tube is inserted fully to the end of the fitting.
 - To insert the tube into the fitting, cut the tube at a right angle, insert it to the end and pull the tube gently to make sure it isn't released.
 - If there are some damages, scratches, or the oval shape on tube, air leakage and tube release may occur. Check it out meticulously.
 - The OD of polyurethane tubes expands by pressure exerted on them. Reinsertion to the fitting may not be possible. Check the OD of the tube and change the tube if the expansion is serious.

Tube connection

Preparation



Prepare the tube, tube cutter, fitting connection devices (spanner or monkey wrench).

Tube cutting



Cut the tube at a right angle with the axis using a tube cutter.

Fitting connection



Tighten the connection with the spanner or monkey wrench observing the recommended torque range below.

Tube insertion



Mark the tube insertion length at the tube, and insert it in a straight line with the fitting. Make sure the marking is on the open cross section of the sleeve.

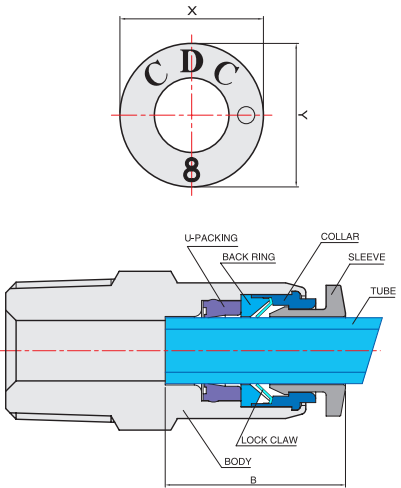
6 Tube release from the fitting product

- Make sure the pressure in the tube is zero before releasing the tube from the fitting product.
- To release the tube, press the release ring regularly at the end and pull the tube with one hand.
- Cut the pressed part of the tube for reuse of the released tube.

[Table 2] Size of Sleeve for Tube Release

Standard sleeve specification									
(Unit:mm)									
Sleeve specification	Standard Type					Compact Type			
	φ4	φ6	φ8	φ10	φ12	φ16	φ3	φ4	φ6
X	9.7	11.8	13.8	16.6	19	25.2	7.2	8.2	10.2
Y	—	—	—	—	—	—	9.2	10.4	12.4

Sleeve size specification (inch)									
(Unit:mm)									
Sleeve specification	Standard Type					Compact Type			
	φ5/32	φ3/16	φ1/4	φ5/16	φ3/8	φ1/2	φ1/8	φ5/32	φ1/4
X	9.7	11.1	12.6	13.8	16.8	19.9	7.2	8.2	10.8
Y	—	—	—	—	—	—	9.2	10.4	12.8



7 Caution during assembly

- Choose the right size devices using the hexagonal section of the fitting for assembling fitting products.
- Check out the thread type before assembly, referring to Table 3 below.

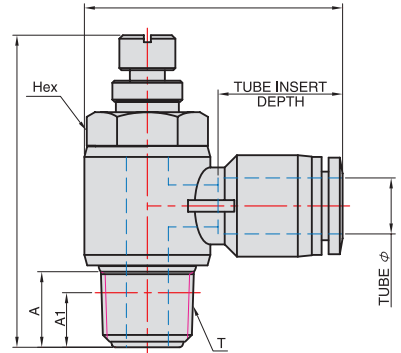
[Table 3] Fitting Screw Size

Fitting Screw Size						
(Unit:mm)						
Thread type	Metric Thread		Taper Thread			
Thread Size	M5	M6	R1/8	R1/4	R3/8	R1/2
A	4	4	8	10	11	14
A1	4.1	4.1	4	5	5.5	7

Metric Thread Specifications

Thread Code	Thread Size	Applicable product
M3	M3×0.5	Apply to all products
M5	M5×0.8	
M6	M6×1.0	

- The screw thread is produced using Teflon coating treatment so that there is no need of Teflon tape or sealing treatment.
- When the product is assembled using an excessive pressure higher than the recommended permissible torque, the product can be damaged or the screw may break causing the quality problems.



► One-Touch fittings

- Product for regular piping connection, and one-touch fitting.
- Various shapes and products can be selected for every piping situation.
- Tube insertion needs only one touch so that there is no need of tools.
- Tube is easily released and inserted with one action.



▲ Compact One-Touch fittings

- This model is about 40% smaller than the existing one-touch fitting.
- All compact fitting products are electroless Nickel plated.
- Suitable for piping of small devices in limited spaces.
- The release ring is oval for easy insertion and will release even if it is small.
- Various shapes and products can be selected for every piping situation.



▲ Speed Controllers

- Accurate regulation of an optimal airflow rate for precise motion control.
- One-touch type fittings eliminate the need of tools for connection and release.
- All products are small and light-weight, and can be easily assembled in limited spaces.
- Tube direction and angle are controlled according to piping as the main body can rotate up to 360° after assembly.
- Designed to handle large airflow, the speed control valve operates at high speed.
- Needle rotation is increased to 10-12 times for easy and regular speed control.
- Easy speed control with drive tools in limited and crowded spaces. (NSC(D) type)

Explanations according to function



▲ Hand Valves / Hand Slide Valves

- The hand valve is a valve that switches compressed air input from air pressure devices.
- The hand valve is a 3-way type and highly safe during maintenance and examination by discharging the remaining pressure in the device to the outside.
- The hand slide valve switches compressed air and is semi-permanent as the product materials are aluminum and brass.



▲ Check valves

- This valve allows the compressed air from one side to flow, blocking the inverse flow to protect and maintain the vacuum line, and is easily applied to low pressure piping situations.
- Used in places where the air pressure of the ventilation section should be kept uniform.
- The minimum operating pressure is 0.1 kgf/cm², and it maintains 1.42 psi in vacuum state.
- Suitable for piping of low pressure devices.



▲ Stop fittings

- Used in places where pneumatic piping changes frequently.
- Air flows bidirectionally in stop fittings, different from the check valve, but air is safely blocked when tube is released.
- Air flows only when the tube is connected.

One-Touch Fittings

Fitting Series

- One-Touch Fittings
- Compact One-Touch Fittings
- Speed Controllers
- Hand Valves
- Stop Fittings
- Check Valves
- Two-Touch Fittings
- Two-Touch Fittings BSBM

METRIC-BSPT(R)

PC Page 18 	PCF Page 20 	POC Page 22 	PMM Page 24 	PMP Page 24 	PCP Page 25 	PMF Page 26 	PL Page 28 
PLF Page 30 	PLL Page 32 	PLL P Page 34 	PT Page 36 	PTF Page 38 	PST Page 40 	PWT Page 42 	PLM Page 44 
PXT Page 45 	PKD Page 46 	CAS Page 47 	PH Page 48 	PHF Page 50 	PHL(2) Page 52 	PHL(3) Page 53 	PHT(1) Page 54 
PHT(2) Page 55 	PHT(3) Page 56 	PA Page 57 	PAF Page 58 	PAT(2) Page 59 	PAT(3) Page 60 	PUC Page 61 	PUL Page 62 
PUT Page 63 	PY Page 64 	PW Page 65 	PG Page 66 	PGT Page 67 	PLJ Page 62 	PGJ Page 69 	PYJ Page 70 
PWJ Page 71 	PTJ Page 72 	PSJ Page 73 	PIJ Page 74 	PIG Page 75 	PP Page 76 	PPF Page 77 	PZA Page 78 
PKG Page 79 	PXG Page 80 	PXJ Page 80 	PKJ Page 81 				

METRIC-BSPP(G)

PC-G Page 18 	PCF-G Page 20 	PMF-G Page 26 	PL-G Page 28 	PLF-G Page 30 	PLL-G Page 32 	PLL P-G Page 34 	PT-G Page 36 
PTF-G Page 38 	PST-G Page 40 	PWT-G Page 42 	PXT-G Page 45 	PKD-G Page 46 	PH-G Page 48 	PHF-G Page 50 	PHL-G(2) Page 52 
PHL-G(3) Page 53 	PHT-G(1) Page 54 	PHT-G(2) Page 55 	PHT-G(3) Page 56 	PA-G Page 57 	PAT-G(2) Page 59 	PAT-G(3) Page 60 	

Applications

- One touch type pipe connection tool for air pressure piping.
- Various uses depending on the user’s environment.

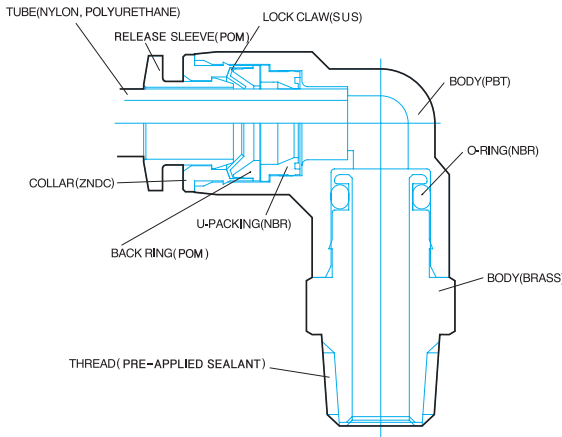
Features

- One action inserts the tube to release and connect easily.
- The PC type has interior and exterior hexagonal shapes for efficient piping in limited spaces.
- The main body of the PL and PT types is a rotating structure for efficient piping.
- The screw section has O-ring, or Teflon coated.

Specifications

- Fluid type : Air(No other gases or liquids)
- Working pressure : 0~150PSI / 0~9.9Kgf/cm²(0~990kPa)
- Negative pressure : -29.5 in Hg / -750mmHg(-750Torr)
- Working temperature : 32~140° F / 0~60°C
- Applicable Tube : Polyurethane and Nylon

Structural Diagram



Product Code System

METRIC - BSPT(R)

PC 06-01-N

OneTouch Fitting	Tube Dia		Thread Size		Plating	Sleeve Color
	CODE	SIZE	METRIC THREAD			
	04	Ø4	M5	M5×0.8	Nickel	
	06	Ø6	M6	M6×1.0		Blue
	08	Ø8				
	10	Ø10				
	12	Ø12				
	16	Ø16				
			R(PT) THREAD			
	CODE	SIZE				
	01		R1/8			
	02		R1/4			
	03		R3/8			
	04		R1/2			

METRIC - BSPP(G)

PC 06-G01

OneTouch Fitting	Tube Dia		Thread Size		Sleeve Color
	CODE	SIZE	METRIC THREAD		
	04	Ø4	M5	M5×0.8	Blue
	06	Ø6	M6	M6×1.0	
	08	Ø8			
	10	Ø10			
	12	Ø12			
	16	Ø16			
			G(PF) THREAD		
	CODE	SIZE			
	G01		G1/8		
	G02		G1/4		
	G03		G3/8		
	G04		G1/2		

INCH - BSPT(R)

PC-1/4-01

OneTouch Fitting	Tube Dia		Thread Size	
	CODE	SIZE	R(PT) THREAD	
	5/32	Ø5/32	01	R1/8
	3/16	Ø3/16	02	R1/4
	1/4	Ø1/4	03	R3/8
	5/16	Ø5/16	04	R1/2
	3/8	Ø3/8		
	1/2	Ø1/2		

INCH - NPT

PC-1/4-N1

OneTouch Fitting	Tube Dia		Thread Size	
	CODE	SIZE	UNF THREAD	
	5/32	Ø5/32	U	10-32UNF
	3/16	Ø3/16		
	1/4	Ø1/4		
	5/16	Ø5/16		
	3/8	Ø3/8		
	1/2	Ø1/2		
			NPT THREAD	
	CODE	SIZE		
	N1		NPT1/8	
	N2		NPT1/4	
	N3		NPT3/8	
	N4		NPT1/2	

Conversion

kgf/cm²	bar	Pa(N/m²)	atm	mHg	lbf/in²
1	0.980665	0.980665E5	0.9678	0.7356	14.22
1.0197	1	1E-5	0.9869	0.7501	14.50
1.0197E-5	1E-5	1	0.9869E-5	7.501E-6	1.450E-4
1.0332	1.0325	1.0325E5	1	0.760	14.70
1.3595	1.3332	1.3332E5	1.3158	1	19.34
0.07031	0.06895	6.895E3	0.06805	0.05171	1

Applied example

- The interior and exterior hexagonal part can be assembled using a spanner and hexagonal wrench in screw joining.
- The injection body of the PL and PT models rotates to allow direction changes according to piping direction.
- The sleeve is circular so that it is free of equipment setting.

Form

PC. POC
Fitting for limited spaces joined with a hexagonal wrench and spanner.

PH
Fitting for limited spaces, assembled with box wrench.

PL
Fitting that rotates at right angles with the actuator and piping.

PLL
Same function as PL, but used to efficiently prevent interference of fitting gaps by making piping more accessible.

PMM
For panel installation, used for junction connections.

PMF
For panel installation, used for connection between the male screw and the tube.

PIJ
For connecting one-touch fittings together.

PIG
For connecting different sizes of one-touch fittings together.

CAUTION

- Be sure to refer to the Safety Caution, Classification of Warning Indications (P7), and Common Caution of Fitting Products (P8) before use.
- Assemble the fitting according to the proper connection torque value (P7).
- Proper torque refers to connection by hand and 2~3 rotations using a tool. Excessive pressure may damage the screw.
- To insert the tube into the fitting, cut the tube at a right angle, insert it fully to the end, and pull the tube gently to make sure it isn't released.
- Avoid piping under tension, and also avoid high curvature piping at the tube insertion section of the fitting.

WARNING

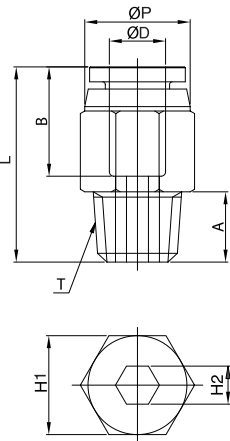
- Be sure to prevent pressure buildup due to twisting, pulling, and bending of the fitting product. This may cause product damage or air leakage.
- When the applied fluid is water, do not use the product if it does not meet all specifications. Fitting damage, tube release, and compressed air leakage may occur.

One -Touch Fittings



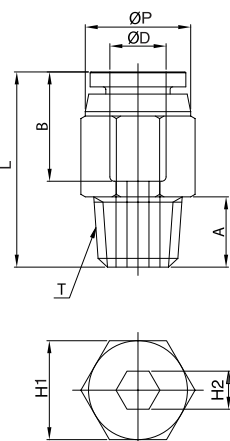
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PC 04-M5	4	10.0	M5×0.8p	21.9	4.6	15.9	10	-	2.5	5.8	100
PC 04-M6			M6×1.0p	21.9	4.1		10	-	3.0	5.8	100
PC 04-01			R 1/8	21.6	8		10	3	3.0	7.8	100
PC 04-02			R 1/4	20.6	10		14	3	3.0	14.8	100
PC 04-03			R 3/8	22.0	11		17	3	3.0	26.8	100
PC 06-M5	6	12.0	M5×0.8p	23.6	4.6	16.5	12	-	2.5	8.8	100
PC 06-M6			M6×1.0p	23.1	4.1		12	-	3.0	8.8	100
PC 06-01			R 1/8	22.2	8		12	4	4.0	8.8	100
PC 06-02			R 1/4	21.0	10		14	5	5.0	12.8	100
PC 06-03			R 3/8	22.0	11		17	5	5.0	25.8	100
PC 06-04			R 1/2	29.3	14		19	5	5.0	49.8	50
PC 08-01	8	14.0	R 1/8	27.5	8	17.7	14	5	5.0	14.7	100
PC 08-02			R 1/4	25.5	10		14	6	6.0	18.7	100
PC 08-03			R 3/8	23.0	11		17	6	6.0	21.7	100
PC 08-04			R 1/2	29.7	14		19	6	6.0	49.7	50
PC 10-01	10	16.1	R 1/8	28.7	8	18.6	17	5	5.0	21.5	100
PC 10-02			R 1/4	30.7	10		17	6	6.0	24.5	100
PC 10-03			R 3/8	24.7	11		17	8	8.0	41.5	100
PC 10-04			R 1/2	29.7	14		19	8	8.0	51.5	50
PC 12-01	12	19.0	R 1/8	32.3	8	20.9	19	5	5.0	28.3	50
PC 12-02			R 1/4	32.8	10		19	6	6.0	36.3	50
PC 12-03			R 3/8	29.8	11		19	8	8.0	30.3	50
PC 12-04			R 1/2	29.8	14		19	8	8.0	48.3	50
PC 16-03	16	24.0	R 3/8	37.3	11	24.8	24	10	10.0	50.0	25
PC 16-04			R 1/2	40.3	14		24	10	10.0	63.0	25



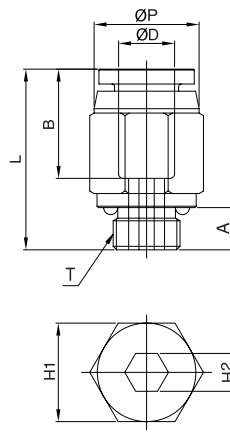
INCH-NPT

MODEL	ØD	ØP	T	L	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PC 5/32-U	5/32	10.5	UNF10/32	21.4	3.6	16.2	7/16	3/32	2.5	5.8	100
PC 5/32-N1			NPT1/8	19.5	8.5		7/16	1/8	3.2	7.8	100
PC 5/32-N2			NPT1/4	22.0	10.5		9/16	1/8	3.2	14.8	100
PC 5/32-N3			NPT3/8	23.0	11.5		11/16	1/8	3.2	24.8	100
PC 3/16-U			UNF10/32	22.0	3.6		7/16	3/32	2.5	7.8	100
PC 3/16-N1	3/16	11.0	NPT1/8	23.1	8.5	16.8	7/16	1/8	3.2	14.8	100
PC 3/16-N2			NPT1/4	23.1	10.5		9/16	1/8	3.2	24.8	100
PC 3/16-N3			NPT3/8	24.1	11.5		11/16	1/8	3.2	24.8	100
PC 1/4-U			UNF10/32	23.2	3.6		1/2	3/32	2.5	8.8	100
PC 1/4-N1			NPT1/8	23.8	8.5		1/2	3/16	4.0	8.8	100
PC 1/4-N2	1/4	12.7	NPT1/4	23.2	10.5	17.3	9/16	3/16	4.0	12.8	100
PC 1/4-N3			NPT3/8	24.2	11.5		11/16	3/16	4.0	23.8	100
PC 1/4-N4			NPT1/2	27.3	14.5		7/8	3/16	4.0	49.8	50
PC 5/16-N1			NPT1/8	28.2	8.5		9/16	3/16	4.8	12.7	100
PC 5/16-N2			NPT1/4	26.0	10.5		9/16	1/4	6.4	14.7	100
PC 5/16-N3	5/16	14.0	NPT3/8	26.5	11.5	18.2	11/16	1/4	6.4	21.7	100
PC 5/16-N4			NPT1/2	24.5	14.5		7/8	1/4	6.4	59.7	50
PC 3/8-N1			NPT1/8	30.1	8.5		11/16	3/16	4.8	21.4	100
PC 3/8-N2			NPT1/4	31.1	10.5		11/16	1/4	6.4	25.4	100
PC 3/8-N3			NPT3/8	24.8	11.5		11/16	5/16	7.9	20.4	100
PC 3/8-N4	3/8	16.7	NPT1/2	24.0	14.5		7/8	5/16	7.9	50.4	50
PC 1/2-N1			NPT1/8	33.4	8.5	23.0	7/8	3/16	4.8	32.1	50
PC 1/2-N2			NPT1/4	35.4	10.5		7/8	1/4	6.4	35.1	50
PC 1/2-N3			NPT3/8	31.9	11.5		7/8	3/8	9.5	36.1	50
PC 1/2-N4			NPT1/2	31.4	14.5		7/8	3/8	9.5	46.1	50



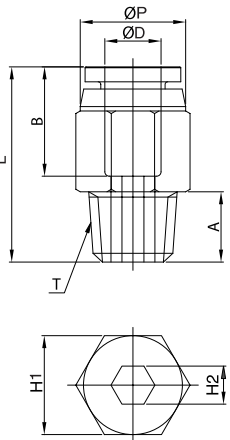
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PC 04-G01	4	10.3	G 1/8	21.5	5.0	15.9	13	3	3.0	10.8	100
PC 04-G02			G 1/4	23.5	6.5		15	3	3.0	18.8	100
PC 04-G03			G 3/8	23.5	6.5		17	3	3.0	21.8	100
PC 06-G01			G 1/8	22.5	5.0		13	4	4.0	9.8	100
PC 06-G02			G 1/4	24.5	6.5		15	5	5.0	16.8	100
PC 06-G03	6	12.3	G 3/8	25.5	6.5	16.5	17	5	5.0	23.8	100
PC 08-G01			G 1/8	26.7	5.0		15	5	5.0	16.7	100
PC 08-G02			G 1/4	26.7	6.5		15	6	6.0	14.7	100
PC 08-G03			G 3/8	25.0	6.5		17	6	6.0	22.7	100
PC 08-G04			G 1/2	26.0	8.0		21	6	6.0	39.7	50
PC 10-G01	10	16.5	G 1/8	29.5	5.0	18.6	17	5	5.0	21.5	100
PC 10-G02			G 1/4	30.0	6.5		17	6	6.0	22.5	100
PC 10-G03			G 3/8	27.0	6.5		17	8	8.0	21.5	100
PC 10-G04			G 1/2	28.3	8.0		21	8	8.0	36.5	50
PC 12-G02	12	19.0	G 1/4	32.2	6.5	20.9	19	6	6.0	26.3	50
PC 12-G03			G 3/8	31.6	6.5		19	8	8.0	22.3	50
PC 12-G04			G 1/2	31.6	8.0		21	8	8.0	36.3	50
PC 16-G03			G 3/8	36.3	6.5		24	10	10.0	53.0	25
PC 16-G04			G 1/2	36.3	8.0		24	10	10.0	59.0	25



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PC1/4-01	1/4	12.7	R1/8	23.5	8.0	17.3	13	5	5.0	8.8	100
PC1/4-02			R1/4	22.9	10.0		14	5	5.0	12.8	100
PC1/4-03			R3/8	23.9	11.0		17	5	5.0	23.8	100
PC5/16-01			R1/8	27.5	8.5		14	5	5.0	14.7	100
PC5/16-02			R1/4	25.5	10.5		14	6	6.0	18.7	100
PC5/16-03	5/16	14.0	R3/8	23.0	11.5	18.2	17	6	6.0	21.7	100
PC3/8-01			R1/8	29.7	8.5		17	5	5.0	21.4	100
PC3/8-02			R1/4	30.5	10.5		17	6	6.0	25.4	100
PC3/8-03			R3/8	24.2	11.5		17	6	6.0	20.4	100
PC3/8-04			R1/2	27.2	14.5		21	8	8.0	50.4	50
PC1/2-02	1/2	20.6	R1/4	34.9	10.5	23.0	21	6	6.0	35.1	50
PC1/2-03			R3/8	31.9	11.5		21	10	10.0	36.1	50
PC1/2-04			R1/2	30.9	14.5		21	10	10.0	46.1	50

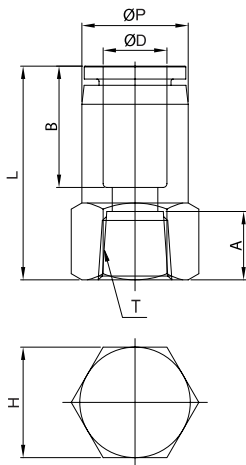


One -Touch Fittings



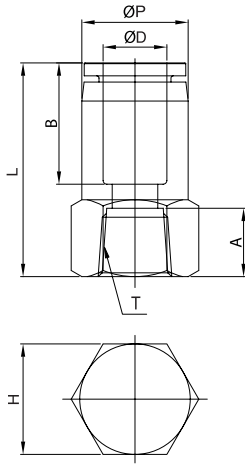
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PCF 04-M5	4	10.0	M5×0.8p	25.6	7.0	15.9	12	3.5	8.8	100
PCF 04-01			Rc 1/8	26.7	8.0		14	3.5	15.8	100
PCF 04-02			Rc 1/4	28.7	10.0		17	3.5	19.8	100
PCF 04-03			Rc 3/8	29.7	11.0		22	3.5	33.8	100
PCF 06-M5	6	12.0	M5×0.8p	25.8	7.0	16.5	12	4.2	10.8	100
PCF 06-01			Rc 1/8	27.3	8.0		14	5.0	17.8	100
PCF 06-02			Rc 1/4	29.3	10.0		17	5.0	23.8	100
PCF 06-03			Rc 3/8	30.2	11.0		22	5.0	35.8	50
PCF 06-04			Rc 1/2	32.2	14.0		24	5.0	39.8	50
PCF 08-01	8	14.0	Rc 1/8	28.5	8.0	17.7	14	6.0	18.7	100
PCF 08-02			Rc 1/4	30.5	10.0		17	6.0	25.7	100
PCF 08-03			Rc 3/8	31.5	11.0		22	6.0	38.7	50
PCF 08-04			Rc 1/2	33.5	14.0		24	6.0	45.7	50
PCF 10-01	10	16.4	Rc 1/8	31.4	8.0	18.6	17	8.5	31.5	100
PCF 10-02			Rc 1/4	31.5	10.0		17	8.5	26.5	100
PCF 10-03			Rc 3/8	32.4	11.0		22	8.5	39.5	50
PCF 10-04			Rc 1/2	34.4	14.0		24	8.5	40.5	50
PCF 12-02	12	18.6	Rc 1/4	34.7	10.0	20.9	22	10.0	53.3	50
PCF 12-03			Rc 3/8	34.7	11.0		22	10.0	43.3	50
PCF 12-04			Rc 1/2	36.7	14.0		24	10.0	49.3	25



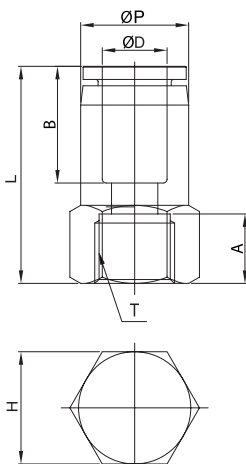
INCH-NPT

MODEL	ØD	ØP	T	L	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PCF 5/32-N1	5/32	10.0	NPT1/8	27.6	8.5	15.3	9/16	3.5	15.8	100
PCF 5/32-N2			NPT1/4	29.6	10.5		11/16	3.5	19.8	100
PCF 3/16-N1	3/16	11.1	NPT1/8	28.2	8.5	16.8	9/16	4.0	15.8	100
PCF 3/16-N2			NPT1/4	30.2	10.5		11/16	4.0	19.8	100
PCF 1/4-N1	1/4	13.0	NPT1/8	28.7	8.5	17.4	9/16	5.0	18.8	100
PCF 1/4-N2			NPT1/4	30.7	10.5		11/16	5.0	23.8	100
PCF 1/4-N3			NPT3/8	32.7	11.5		7/8	5.0	39.8	50
PCF 5/16-N1	5/16	14.0	NPT1/8	29.0	8.5	18.7	9/16	6.0	18.7	100
PCF 5/16-N2			NPT1/4	31.0	10.5		11/16	6.0	25.7	100
PCF 5/16-N3			NPT3/8	32.0	11.5		7/8	6.0	38.7	50
PCF 5/16-N4			NPT1/2	35.9	14.5		15/16	6.0	45.7	50
PCF 3/8-N1	3/8	16.7	NPT1/8	31.8	8.5	20.2	11/16	8.0	29.4	100
PCF 3/8-N2			NPT1/4	32.6	10.5		11/16	8.0	26.4	100
PCF 3/8-N3			NPT3/8	34.1	11.5		7/8	8.0	39.4	50
PCF 3/8-N4			NPT1/2	37.8	14.5		15/16	8.0	41.4	25
PCF 1/2-N2	1/2	20.6	NPT1/4	36.2	10.5	22.0	7/8	10.0	53.1	25
PCF 1/2-N3			NPT3/8	37.6	11.5		7/8	10.0	45.1	25



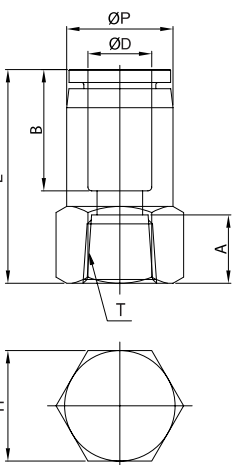
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PCF 04-G01	4	10.0	G 1/8	28.6	8.0	15.9	14	3.0	14.8	100
PCF 04-G02			G 1/4	29.6	10.0		17	3.0	19.8	100
PCF 04-G03			G 3/8	30.6	11.0		22	3.5	32.8	100
PCF 06-G01	6	12.0	G 1/8	30.0	8.0	16.5	14	5.0	15.8	100
PCF 06-G02			G 1/4	31.0	10.0		17	5.0	21.8	100
PCF 06-G03			G 3/8	32.0	11.0		22	5.0	34.8	50
PCF 08-G01	8	14.0	G 1/8	31.0	8.0	17.7	14	6.0	17.7	100
PCF 08-G02			G 1/4	32.0	10.0		17	6.0	23.7	100
PCF 08-G03			G 3/8	33.0	11.0		22	6.0	36.7	50
PCF 08-G04			G 1/2	35.0	14.0		24	6.0	36.7	50
PCF 10-G01	10	16.4	G 1/8	31.7	8.0	18.6	17	8.0	30.5	100
PCF 10-G02			G 1/4	32.7	10.0		17	8.0	25.5	100
PCF 10-G03			G 3/8	33.7	11.0		22	8.0	39.5	50
PCF 10-G04			G 1/2	35.7	14.0		24	8.0	39.5	50
PCF 12-G02	12	18.6	G 1/4	36.4	10.0	20.9	22	10.0	52.3	50
PCF 12-G03			G 3/8	36.4	11.0		22	10.0	44.3	50
PCF 12-G04			G 1/2	38.4	14.0		24	10.0	44.3	25



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PCF1/4-01	1/4	13.0	Rc1/8	28.7	8.0	17.4	14	5.0	18.8	100
PCF1/4-02	1/4	13.0	Rc1/4	30.7	10.0	17.4	17	5.0	23.8	100
PCF5/16-01	5/16	14.0	Rc1/8	28.5	8.0	18.7	17	6.0	18.7	100
PCF5/16-02	5/16	14.0	Rc1/4	30.5	10.0	18.7	17	6.0	25.7	100
PCF3/8-02	3/8	16.7	Rc1/4	32.6	10.0	20.2	17	8.0	26.4	100
PCF3/8-03	3/8	16.7	Rc3/8	34.1	11.0	20.2	22	8.0	39.4	50



One -Touch Fittings

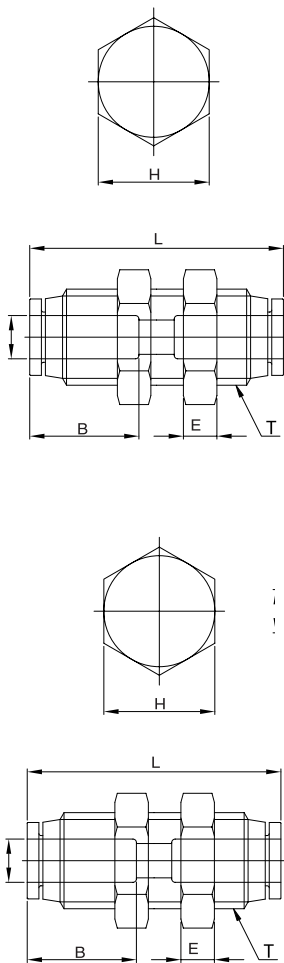


METRIC

MODEL	ØD	T	L	E	B	H(Hex)	ORFCE	WEIGHT(g)	BOX(EA)
FMM04	4	M12×1.0p	35.5	4	16.3	14	3.0	19.6	100
FMM06	6	M14×1.0p	39.9	4	17.6	17	5.0	28.6	100
FMM08	8	M16×1.0p	42.2	5	18.7	19	7.0	36.4	50
FMM10	10	M20×1.0p	45.0	5	19.6	24	9.0	65.0	25
FMM12	12	M22×1.0p	50.3	5	21.9	26	11.0	79.6	25

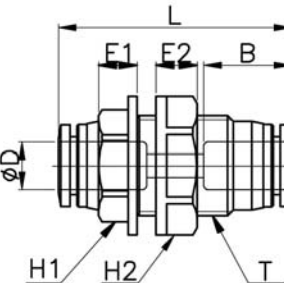
INCH

MODEL	ØD	T	L	E	B	H(Hex)	ORFCE	WEIGHT(g)	BOX(EA)
FMM 5/32	5/32	M12×1.0p	35.5	4	16.8	14	3.0	19.6	100
FMM 3/16	3/16	M14×1.0p	36.5	4	16.8	17	4.0	19.6	100
FMM 1/4	1/4	M14×1.0p	38.8	4	17.4	17	5.0	29.6	100
FMM 5/16	5/16	M16×1.0p	42.2	5	18.7	19	7.0	36.4	50
FMM 3/8	3/8	M20×1.0p	43.2	5	20.2	24	8.0	59.8	25
FMM 1/2	1/2	M22×1.0p	49.5	5	22.0	26	11.0	83.2	25



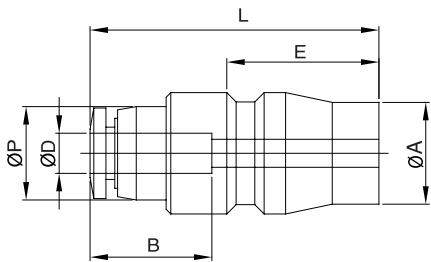
METRIC

MODEL	ØD	T	L	E1	E2	B	H1(Hex)	H2(Hex)	ORFCE	WEIGHT(g)	BOX(EA)
FMP04	4	M12×1.25p	32.4	6	6	15.0	13	16	3.0	5.4	100
FMP06	6	M15×1.5p	36.1	6	6.5	16.5	15	18	5.0	7.8	100
FMP08	8	M17×1.5p	39.7	6.5	7	18.8	17	21	6.8	10.8	50
FMP10	10	M20×1.75p	44.0	7.3	8	20.1	21	25	8.0	16.8	25
FMP12	12	M24×1.75p	47.6	7.3	8.5	22.9	24	28	10.0	24.5	25



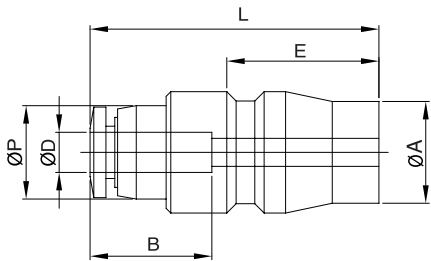
METRIC

MODEL	ØD	ØP	ØC	L	E	B	ORFCE	WEIGHT(g)	BOX(EA)
PCP04	4	10.0	10.9	31.0	16.3	16.3	3.0	19.8	100
PCP06	6	11.9	10.9	31.8	16.3	17.5	5.0	18.8	100
PCP08	8	14.0	10.9	34.9	16.3	18.6	6.0	19.7	100
PCP10	10	16.0	10.9	42.4	20.8	19.8	8.0	28.5	50
PCP12	12	19.0	10.9	45.5	20.8	22.2	8.0	43.3	50
PCP16	16	24.0	10.9	48.9	20.8	24.1	8.0	52.0	25



INCH

MODEL	ØD	ØP	L	E	ØA	B	ORFCE	WEIGHT(g)	BOX(EA)
PCP 5/32	5/32	10.0	31.0	16.3	10.9	16.3	3.0	18.8	100
PCP 3/16	3/16	11.0	31.7	16.3	10.9	16.8	3.0	18.8	100
PCP 1/4	1/4	13.0	31.7	16.3	10.9	17.4	5.0	15.8	100
PCP 5/16	5/16	14.0	34.9	20.8	10.9	18.6	6.0	19.7	50
PCP 3/8	3/8	16.1	41.8	20.8	10.9	19.8	8.0	27.4	50
PCP 1/2	1/2	20.6	46.4	20.8	10.9	23.0	8.0	38.1	25

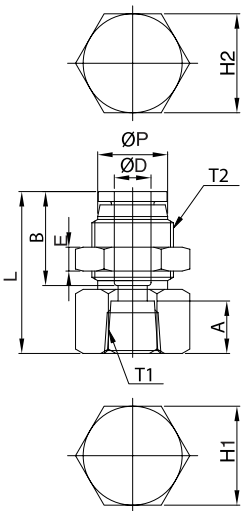


One -Touch Fittings



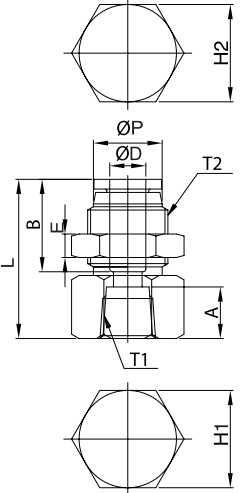
METRIC-BSPT(R)

MODEL	ØD	ØP	T1	L	E	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMF 04-01	4	10.0	Rc1/8	26.7	4	8.0	16.8	14	14	3.0	19.8	100
PMF 04-02			Rc1/4	28.7		10.0		17			24.8	100
PMF 04-03			Rc3/8	29.7		11.0		22			37.8	50
PMF 06-01	6	12.0	Rc1/8	28.3	4	8.0	17.6	17	17	5.0	33.8	100
PMF 06-02			Rc1/4	30.3		10.0		17			27.8	100
PMF 06-03			Rc3/8	31.3		11.0		22			42.8	50
PMF 08-01	8	14.0	Rc1/8	29.5	5	8.0	18.7	19	19	6.0	43.7	50
PMF 08-02			Rc1/4	31.5		10.0		19			38.7	50
PMF 08-03			Rc3/8	32.5		11.0		22			44.7	50
PMF 08-04			Rc1/2	34.5		14.0		24			45.7	25
PMF 10-01	10	16.1	Rc1/8	30.4	5	8.0	19.6	24	24	8.0	76.5	50
PMF 10-02			Rc1/4	32.4		10.0		24			70.5	50
PMF 10-03			Rc3/8	33.4		11.0		24			63.5	25
PMF 10-04			Rc1/2	36.2		14.0		24			54.5	25
PMF 12-02	12	19.0	Rc1/4	37.9	5	10.0	21.9	24	26	10.0	81.3	25
PMF 12-03			Rc3/8	37.9		11.0		24			72.3	25
PMF 12-04			Rc1/2	39.9		14.0		24			65.3	25



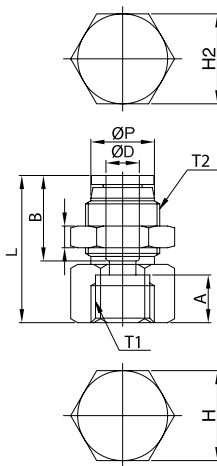
INCH-NPT

MODEL	ØD	ØP	T1	T2	L	E	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMF 5/32-N1	5/32	10.0	NPT 1/8	M12×1.0p	27.1	4	8.5	16.3	9/16	14	3.0	19.8	100
PMF 3/16-N1	3/16	11.1	NPT 1/8	M12×1.0p	28.3	4	8.5	16.8	11/16	14	4.0	19.8	100
PMF 3/16-N2			NPT 1/4	M12×1.0p	30.3	4	10.5	17.4	11/16	17	5.0	27.8	100
PMF 1/4-N1	1/4	13.0	NPT 1/8	M14×1.0p	30.9	4	8.5	17.4	11/16	17	5.0	33.8	100
PMF 1/4-N2			NPT 1/4	M14×1.0p	30.9	4	10.5	17.4	11/16	17	5.0	27.8	100
PMF 5/16-N1	5/16	14.0	NPT 1/8	M16×1.0p	29.5	5	8.5	18.7	3/4	19	6.0	43.7	50
PMF 5/16-N2			NPT 1/4	M16×1.0p	31.5	5	10.5	18.7	3/4	19	6.0	38.7	50
PMF 5/16-N3			NPT 3/8	M16×1.0p	32.5	5	11.5	20.2	7/8	24	8.0	45.7	50
PMF 3/8-N2	3/8	16.7	NPT 1/4	M20×1.0p	33.3	5	10.5	20.2	15/16	24	8.0	71.4	50
PMF 3/8-N3			NPT 3/8	M20×1.0p	34.3	5	11.5	20.2	15/16	24	8.0	64.4	50
PMF 1/2-N2	1/2	20.3	NPT 1/4	M22×1.0p	39.0	5	10.5	22.0	15/16	26	10.0	78.1	25
PMF 1/2-N3			NPT 3/8	M22×1.0p	39.0	5	11.5	22.0	15/16	26	10.0	88.1	25
PMF 1/2-N4			NPT 1/2	M22×1.0p	41.0	5	14.5	22.0	15/16	26	10.0	68.1	25



METRIC-BSPP(G)

MODEL	ØD	ØP	T1	T2	L	E	A	B	H1(Hex)	H2(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PMF04-G01	4	10.0	G1/8	M12×1.0p	26.7	4	8.0	16.8	14	14	3.0	17.8	100
PMF04-G02			G1/4	M12×1.0p	28.7		10.0		17	14		23.8	100
PMF04-G03			G3/8	M12×1.0p	29.7		11.0		22	14		36.8	50
PMF06-G01	6	12.0	G1/8	M14×1.0p	28.3	4	8.0	17.6	17	17	5.0	32.8	100
PMF06-G02			G1/4	M14×1.0p	30.3		10.0		17	17		26.8	100
PMF06-G03			G3/8	M14×1.0p	31.3		11.0		22	17		40.8	50
PMF08-G01	8	14.0	G1/8	M16×1.0p	29.5	5	8.0	18.7	19	19	6.0	42.7	50
PMF08-G02			G1/4	M16×1.0p	31.5		10.0		19	19		37.7	50
PMF08-G03			G3/8	M16×1.0p	32.5		11.0		22	19		43.7	50
PMF10-G02	10	16.1	G1/4	M20×1.0p	32.4	5	10.0	19.6	24	24	8.0	69.5	50
PMF10-G03			G3/8	M20×1.0p	33.4		11.0		24	24		61.5	25
PMF10-G04			G1/2	M20×1.0p	36.2		14.0		24	24		52.5	25
PMF12-G02	12	19.0	G1/4	M22×1.0p	37.9	5	10.0	21.9	24	26	10.0	80.3	25
PMF12-G03			G3/8	M22×1.0p	37.9		11.0		24	26		72.3	25
PMF12-G04			G1/2	M22×1.0p	39.9		14.0		24	26		64.3	25

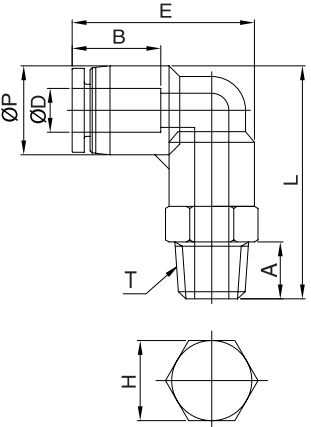


One -Touch Fittings



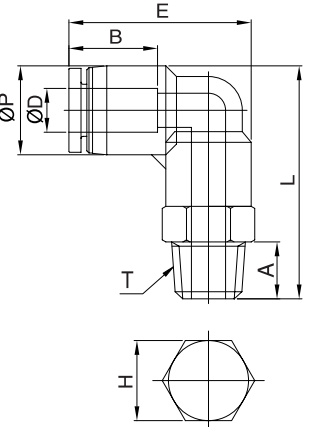
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PL04-M5	4	10.5	M5×0.8p	25.8	23.8	4.1	16.8	10	2.5	7.8	100
PL04-M6			M6×1.0p	25.8		4.1		10	2.5	7.8	100
PL04-01			R1/8	29.8		8.0		10	3.0	10.8	100
PL04-02			R1/4	31.8		10.0		14	3.0	17.8	100
PL04-03	6	12.5	R3/8	32.8	26.5	11.0	17.6	17	3.0	31.8	100
PL06-M5			M5×0.8p	30.3		4.6		12	2.5	5.7	100
PL06-M6			M6×1.0p	28.9		4.1		12	3.0	5.7	100
PL06-01			R 1/8	32.8		8.0		12	4.5	14.7	100
PL06-02	8	14.8	R 1/4	35.8	29.7	10.0	18.7	14	4.5	19.7	100
PL06-03			R 3/8	36.8		11.0		17	4.5	26.7	50
PL06-04			R 1/2	39.8		14.0		21	4.5	46.7	50
PL08-01			R 1/8	35.2	32.1	8.0	19.6	14	6.0	17.7	50
PL08-02	10	17.5	R 1/4	38.2		10.0		14	6.0	22.7	50
PL08-03			R 3/8	39.2		11.0		17	6.0	29.7	50
PL08-04			R 1/2	42.2		14.0		21	6.5	49.7	50
PL10-01	12	20.5	R 1/8	37.3	36.9	8.0	21.9	17	6.0	24.2	50
PL10-02			R 1/4	40.3		10.0		17	7.0	30.2	50
PL10-03			R 3/8	41.3		11.0		17	7.0	33.2	50
PL10-04			R 1/2	44.3		14.0		21	7.0	53.2	25
PL12-01	16	25.5	R 1/8	42.7	44.1	8.0	24.0	19	6.0	39.1	25
PL12-02			R 1/4	44.7		10.0		19	7.0	42.1	25
PL12-03			R 3/8	45.7		11.0		19	10.0	41.1	25
PL12-04			R 1/2	48.7		14.0		21	10.0	53.1	25
PL16-03			R 3/8	55.6		11.0		24	10.0	67.0	20
PL16-04			R 1/2	58.3		14.0		24	13.0	76.0	20



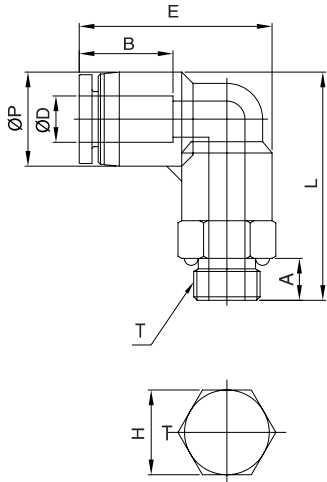
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PL-5/32-U	5/32	10.5	UNF10/32	26.7	23.7	3.6	16.2	7/16	2.5	7.8	100
PL-5/32-N1			NPT1/8	30.3		8.5		7/16	3.0	9.8	100
PL-5/32-N2			NPT1/4	33.3		10.5		9/16	3.0	16.8	100
PL-3/16-U	3/16	11.5	UNF10/32	27.2	24.2	3.6	16.8	7/16	3.0	7.7	100
PL-3/16-N1			NPT1/8	30.8		8.5		7/16	3.0	9.7	100
PL-3/16-N2			NPT1/4	33.8		10.5		9/16	3.0	16.7	100
PL-3/16-N3	1/4	13.0	NPT3/8	34.8	26.5	11.5	17.3	11/16	3.0	18.7	50
PL-1/4-U			UNF10/32	32.4		3.6		1/2	2.5	11.7	100
PL-1/4-N1			NPT1/8	34.3		8.5		1/2	4.5	14.7	100
PL-1/4-N2			NPT1/4	37.0		10.5		9/16	4.5	19.7	100
PL-1/4-N3	5/16	14.5	NPT3/8	38.0	30.1	11.5	18.2	11/16	4.5	32.7	50
PL-5/16-N1			NPT1/8	36.7		8.5		9/16	6.0	17.7	100
PL-5/16-N2			NPT1/4	38.7		10.5		9/16	6.0	22.7	50
PL-5/16-N3			NPT3/8	39.7		11.5		11/16	6.0	35.7	50
PL-5/16-N4	3/8	17.5	NPT1/2	42.7	32.3	14.5	19.9	7/8	6.0	55.7	25
PL-3/8-N1			NPT1/8	38.8		8.5		11/16	5.0	24.2	50
PL-3/8-N2			NPT1/4	40.8		10.5		11/16	7.0	28.2	50
PL-3/8-N3			NPT3/8	41.8		11.5		11/16	7.0	33.2	50
PL-3/8-N4	1/2	21.0	NPT1/2	44.8	37.8	14.5	23.0	7/8	7.0	53.2	25
PL-1/2-N2			NPT1/4	46.0		10.5		3/4	8.0	36.0	25
PL-1/2-N3			NPT3/8	47.0		11.5		3/4	9.0	45.0	25
PL-1/2-N4			NPT1/2	50.0		14.5		7/8	9.0	63.0	25



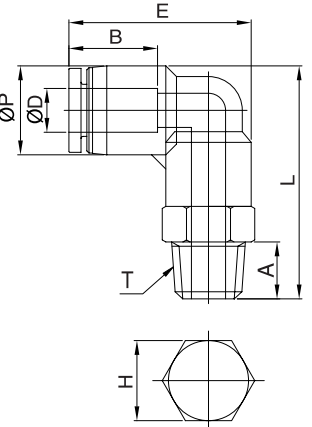
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PL04-G01	4	10.5	G 1/8	27.4	23.8	5.0	16.8	14	3.0	12.8	100
PL04-G02			G 1/4	29.4		6.5		17	3.0	15.8	100
PL04-G03			G 3/8	30.4		6.5		20	3.0	21.8	100
PL06-G01	6	12.5	G 1/8	30.6	26.5	5.0	17.6	14	4.0	13.7	100
PL06-G02			G 1/4	32.6		6.5		17	4.0	19.7	100
PL06-G03			G 3/8	33.6		6.5		20	4.0	23.7	50
PL08-G01	8	14.5	G 1/8	32.9	29.7	5.0	18.7	14	6.0	14.7	50
PL08-G02			G 1/4	34.9		6.5		17	6.0	21.7	50
PL08-G03			G 3/8	35.9		6.5		20	6.0	26.7	50
PL08-G04			G 1/2	36.9		8.0		24	6.0	36.7	50
PL10-G01	10	17.5	G 1/8	35.4	32.1	5.0	19.6	17	7.0	23.2	50
PL10-G02			G 1/4	37.4		6.5		17	7.0	22.2	50
PL10-G03			G 3/8	38.4		6.5		20	7.0	29.2	50
PL10-G04			G 1/2	39.4		8.0		24	7.0	41.2	25
PL12-G02	12	20.5	G 1/4	41.4	36.9	6.5	21.9	19	8.0	33.1	25
PL12-G03			G 3/8	42.4		6.5		20	10.0	34.1	25
PL12-G04			G 1/2	43.4		8.0		24	10.0	47.1	25
PL16-G03	16	25.5	G 3/8	53.5	44.1	6.5	24.0	24	10.0	64.0	20
PL16-G04			G 1/2	54.5		8.0		24	13.0	69.0	20

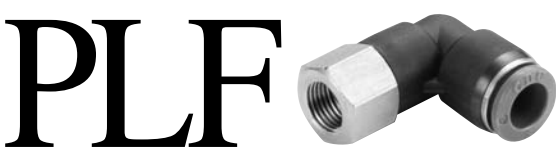


INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PL1/4-01	1/4	13.0	R1/8	33.5	26.5	8.0	17.3	12	4.0	14.7	100
PL1/4-02			R1/4	36.5		10.0		14	4.0	19.7	100
PL1/4-03			R3/8	37.5		11.0		17	4.0	32.7	50
PL5/16-01	5/16	14.5	R1/8	35.2	30.1	8.0	18.2	14	6.0	17.7	50
PL5/16-02			R1/4	38.2		10.0		14	6.0	22.7	50
PL5/16-03			R3/8	39.2		11.0		17	6.0	35.7	50
PL3/8-01	3/8	17.5	R1/8	37.3	32.3	8.0	19.9	17	6.0	24.2	50
PL3/8-02			R1/4	40.3		10.0		17	7.0	28.2	50
PL3/8-03			R3/8	41.3		11.0		17	7.0	33.2	50
PL3/8-04			R1/2	44.3		14.0		21	7.0	53.2	25
PL1/2-02	1/2	21.0	R1/4	45.5	37.8	10.0	23.0	19	7.0	36.0	25
PL1/2-03			R3/8	46.5		11.0		19	9.0	45.0	25
PL1/2-04			R1/2	49.5		14.0		21	9.0	63.0	25

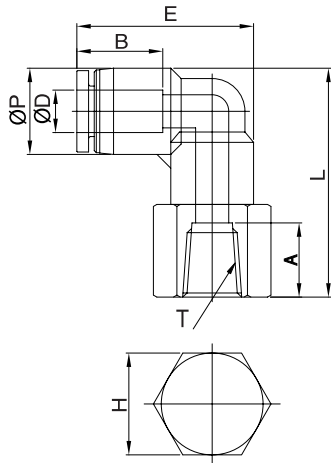


One -Touch Fittings



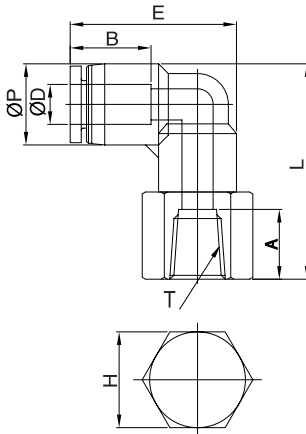
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLF 04-M5	4	10.5	M5×0.8p	23.8	23.8	7.0	16.8	10	2.5	9.8	50
PLF 04-M6			M6×1.0p	23.8		7.0		10		9.8	50
PLF 04-01			Rc 1/8	24.8		8.0		14		14.8	50
PLF 04-02			Rc 1/4	26.8		10.0		17		20.8	50
PLF 06-M5	6	12.5	M5×0.8p	29.8	26.5	7.0	17.6	12	4.0	15.7	50
PLF 06-M6			M6×1.0p	29.8		7.0		12		15.7	50
PLF 06-01			Rc 1/8	30.8		8.0		14		16.7	50
PLF 06-02			Rc 1/4	32.8		10.0		17		22.7	50
PLF 06-03	8	14.8	Rc 3/8	33.8	29.7	11.0	18.7	22	6.0	34.7	50
PLF 06-04			Rc 1/2	35.8		14.0		24		36.7	50
PLF 08-01			Rc 1/8	33.2		8.0		14		18.7	50
PLF 08-02			Rc 1/4	35.2		10.0		17		25.7	50
PLF 08-03	10	17.5	Rc 3/8	36.2	32.1	11.0	19.6	22	7.0	37.7	50
PLF 08-04			Rc 1/2	38.2		14.0		24		39.7	25
PLF 10-01			Rc 1/8	37.3		8.0		17		22.2	25
PLF 10-02			Rc 1/4	37.3		10.0		17		28.2	25
PLF 10-03	12	20.5	Rc 3/8	38.3	36.9	11.0	21.9	22	10.0	41.2	25
PLF 10-04			Rc 1/2	40.3		14.0		24		43.2	20
PLF 12-02			Rc 1/4	41.7		10.0		19		39.1	20
PLF 12-03			Rc 3/8	42.7		11.0		22		46.1	20
PLF 12-04			Rc 1/2	44.7		14.0		24		48.1	20



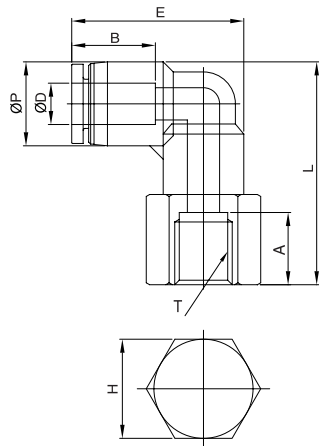
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLF-5/32-U	5/32	10.5	UNF10/32	21.5	18.6	7.0	16.2	7/16	2.5	7.8	100
PLF-5/32-N1			NPT1/8	22.5		8.5		9/16	2.5	15.8	100
PLF-5/32-N2			NPT1/4	22.5		10.5		11/16	2.5	19.8	100
PLF-3/16-U	3/16	11.5	UNF10/32	20.5	19.1	7.0	16.8	7/16	2.5	7.7	100
PLF-3/16-N1			NPT1/8	22.5		8.5		9/16	2.5	15.7	50
PLF-3/16-N2			NPT1/4	25.5		10.5		11/16	2.5	19.7	50
PLF-1/4-U	1/4	13.0	UNF10/32	21.0	20.4	7.0	17.3	1/2	3.0	11.7	100
PLF-1/4-N1			NPT1/8	25.0		8.5		9/16	4.0	20.7	50
PLF-1/4-N2			NPT1/4	27.0		10.5		11/16	4.0	22.7	50
PLF-1/4-N3			NPT3/8	28.0		11.5		7/8	4.0	24.7	50
PLF-5/16-N1	5/16	14.5	NPT1/8	25.9	22.3	8.5	18.2	9/16	6.0	18.7	50
PLF-5/16-N2			NPT1/4	27.9		10.5		11/16	6.0	25.7	25
PLF-5/16-N3			NPT3/8	28.9		11.5		7/8	6.0	28.7	25
PLF-3/8-N2	3/8	17.5	NPT1/4	28.5	23.9	10.5	19.9	11/16	7.0	32.2	25
PLF-3/8-N3			NPT3/8	29.5		11.5		7/8	7.0	36.2	25
PLF-3/8-N4			NPT1/2	33.0		14.5		15/16	7.0	40.8	20
PLF-1/2-N3	1/2	21.0	NPT3/8	33.0	28.5	11.5	23.0	7/8	9.0	57.0	20
PLF-1/2-N4			NPT1/2	36.5		14.5		15/16	9.0	75.0	15



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLF 04-G01	4	10.5	G 1/8	24.8	23.8	8.0	16.8	14	3.0	13.8	50
PLF 04-G02			G 1/4	26.8		10.0		17	3.0	18.8	50
PLF 06-G01	6	12.5	G 1/8	30.8	26.5	8.0	17.6	14	4.0	15.7	50
PLF 06-G02			G 1/4	32.8		10.0		17	4.0	21.7	50
PLF 06-G03			G 3/8	33.8		11.0		22	4.0	34.7	50
PLF 08-G01	8	14.5	G 1/8	33.2	29.7	8.0	18.7	14	6.0	18.7	50
PLF 08-G02			G 1/4	35.2		10.0		17	6.0	21.7	50
PLF 08-G03			G 3/8	36.2		11.0		22	6.0	36.7	50
PLF 08-G04			G 1/2	38.2		14.0		24	6.0	38.7	25
PLF 10-G01	10	17.5	G 1/8	37.3	32.1	8.0	19.6	17	7.0	29.2	25
PLF 10-G02			G 1/4	37.3		10.0		17	7.0	27.2	25
PLF 10-G03			G 3/8	38.3		11.0		22	7.0	40.2	25
PLF 10-G04			G 1/2	40.3		14.0		24	7.0	42.2	20
PLF 12-G02	12	20.5	G 1/4	41.7	36.9	10.0	21.9	19	8.0	37.1	20
PLF 12-G03			G 3/8	42.7		11.0		22	10.0	44.1	20
PLF 12-G04			G 1/2	44.7		14.0		24	10.0	46.1	20



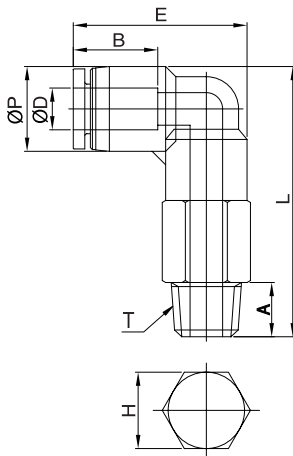
One -Touch Fittings

PLL



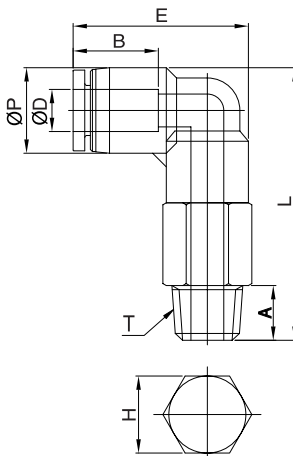
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLL 04-M5	4	10.5	M5×0.8p	38.8	23.8	4.6	16.8	10	2.0	15.8	50
PLL 04-M6			M6×1.0p	38.5		4.3		10	3.0	15.8	50
PLL 04-01			R1/8	40.8		8.0		10	3.0	15.8	50
PLL 04-02			R1/4	42.8		10.0		14	3.0	26.8	50
PLL 04-03	6	12.5	R3/8	43.8	26.5	11.0	17.6	17	3.0	40.8	50
PLL 06-M5			M5×0.8p	44.3		4.6		12	2.0	27.7	50
PLL 06-M6			M6×1.0p	44.0		4.3		12	3.0	27.7	50
PLL 06-01			R1/8	46.3		8.0		12	4.0	27.7	50
PLL 06-02	8	14.8	R1/4	48.3	29.7	10.0	18.7	14	4.0	34.7	50
PLL 06-03			R3/8	49.3		11.0		17	4.5	45.7	50
PLL 06-04			R1/2	52.3		14.0		21	4.0	69.7	25
PLL 08-01			R1/8	51.2	32.1	8.0	19.6	17	6.0	60.2	25
PLL 08-02	10	17.5	R1/4	53.2		10.0		17	7.0	64.2	25
PLL 08-03			R3/8	54.2		11.0		17	7.0	63.2	25
PLL 08-04			R1/2	57.2		14.0		22	7.0	99.2	25
PLL 10-01	12	20.5	R1/8	48.5	36.9	8.0	21.9	19	8.0	89.1	25
PLL 10-02			R1/4	50.5		10.0		19	8.0	89.1	25
PLL 10-03			R3/8	51.5		11.0		19	10.0	89.1	25
PLL 10-04			R1/2	54.5		14.0		22	10.0	106.1	25



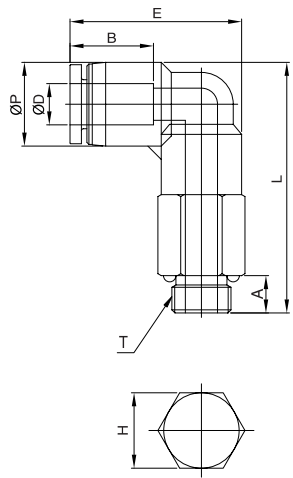
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLL-5/32-U	5/32	10.5	UNF10/32	32.5	18.6	3.6	16.2	7/16	2.0	15.8	100
PLL-5/32-N1			NPT1/8	35.5		8.5		7/16	3.0	17.8	100
PLL-5/32-N2			NPT1/4	38.5		10.5		9/16	3.0	31.8	50
PLL-3/16-U	3/16	11.5	UNF10/32	32.5	19.1	3.6	16.8	7/16	2.0	15.7	50
PLL-3/16-N1			NPT1/8	35.5		8.5		7/16	3.0	17.7	50
PLL-3/16-N2			NPT1/4	38.5		10.5		9/16	3.0	31.7	50
PLL-3/16-N3	1/4	13.0	NPT3/8	38.5	20.4	11.5	17.3	11/16	3.0	39.7	50
PLL-1/4-U			UNF10/32	37.5		3.6		1/2	2.0	27.7	50
PLL-1/4-N1			NPT1/8	41.3		8.5		1/2	4.5	28.7	50
PLL-1/4-N2			NPT1/4	44.0		10.5		9/16	4.5	34.7	50
PLL-1/4-N3	5/16	14.5	NPT3/8	45.0	22.3	11.5	18.2	11/16	4.5	49.7	50
PLL-5/16-N1			NPT1/8	44.4		8.5		9/16	6.0	35.7	50
PLL-5/16-N2			NPT1/4	46.4		10.5		9/16	6.0	39.7	50
PLL-5/16-N3			NPT3/8	50.4		11.5		11/16	6.0	59.7	25
PLL-3/8-N2	3/8	17.5	NPT1/4	50.0	23.9	10.5	19.9	11/16	7.0	64.2	25
PLL-3/8-N3			NPT3/8	51.0		11.5		11/16	7.0	69.2	25
PLL-3/8-N4			NPT1/2	54.0		14.5		7/8	7.0	99.2	20
PLL-1/2-N2	1/2	21.0	NPT1/4	57.5	28.5	10.5	23.0	3/4	8.0	89.0	20
PLL-1/2-N3			NPT3/8	58.5		11.5		3/4	9.0	119.0	20
PLL-1/2-N4			NPT1/2	61.5		14.5		7/8	9.0	159.0	20



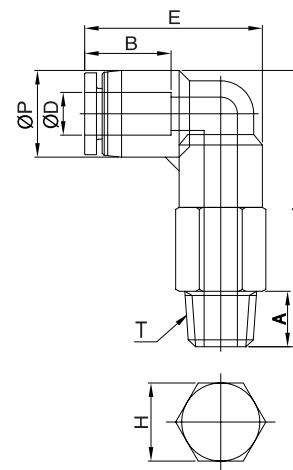
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLL04-G01	4	10.5	G 1/8	39.4	23.8	5.0	16.8	14	2.0	26.8	50
PLL04-G02			G 1/4	41.4		6.5		17	2.0	38.8	50
PLL04-G03			G 3/8	42.9		6.5		20	2.0	53.8	50
PLL06-G01	6	12.5	G 1/8	45.6	26.5	5.0	17.6	14	4.0	30.7	50
PLL06-G02			G 1/4	47.6		6.5		17	4.0	41.7	50
PLL06-G03			G 3/8	48.6		6.5		20	4.0	55.7	50
PLL08-G01	8	14.5	G 1/8	50.9	29.7	5.0	18.7	14	6.0	33.7	50
PLL08-G02			G 1/4	52.9		6.5		17	6.0	50.7	50
PLL08-G03			G 3/8	53.9		6.5		20	6.0	61.7	25
PLL08-G04			G 1/2	54.9		8.0		24	6.0	101.7	25
PLL10-G01	10	17.5	G 1/8	55.4	32.1	5.0	19.6	17	6.0	58.2	25
PLL10-G02			G 1/4	57.4		6.5		17	8.0	55.2	25
PLL10-G03			G 3/8	58.4		6.5		20	8.0	72.2	25
PLL10-G04			G 1/2	59.4		8.0		24	8.0	102.2	25
PLL12-G02	12	20.5	G 1/4	66.4	36.9	6.5	21.9	19	8.0	82.1	25
PLL12-G03			G 3/8	67.4		6.5		20	10.0	84.1	25
PLL12-G04			G 1/2	68.4		8.0		24	10.0	118.1	25



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORIFICE	WEIGHT(g)	BOX(EA)
PLL1/4-01	1/4	13.0	R1/8	40.8	20.4	8.0	17.3	12	4.0	28.7	50
PLL1/4-02	1/4	13.0	R1/4	42.5	20.4	10.0	17.3	14	4.0	34.7	50
PLL5/16-01	5/16	14.5	R1/8	43.9	22.3	8.0	18.2	14	6.0	35.7	50
PLL5/16-02	5/16	14.5	R1/4	45.9	22.3	10.0	18.2	14	6.0	39.7	50
PLL3/8-02	3/8	17.5	R1/4	49.7	23.9	10.0	19.9	17	7.0	64.2	25
PLL3/8-03	3/8	17.5	R3/8	50.7	23.9	11.0	19.9	17	7.0	69.2	25

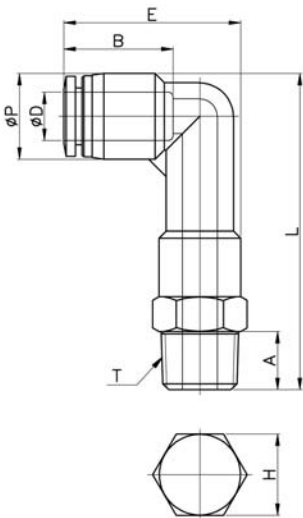


One -Touch Fittings



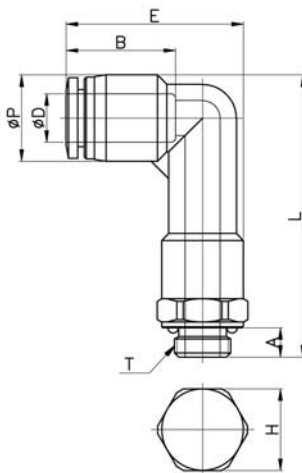
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PLLP04-M5	4	10.5	M5×0.8p	37.8	23.7	4.0	15.0	10	2.5	5.6	50
PLLP04-M6			M6×1.0p	37.9		4.1		10	3.0	8.0	50
PLLP04-01			R1/8	41.8		8.0		10	3.0	9.9	50
PLLP04-02			R1/4	43.8		10.0		14	3.0	14.9	50
PLLP04-03			R3/8	44.8		11.0		17	3.0	23.7	50
PLLP06-M5	6	12.5	M5×0.8p	42.8	26.4	4.0	16.5	12	2.5	7.1	50
PLLP06-M6			M6×1.0p	42.9		4.1		12	3.0	11.8	50
PLLP06-01			R1/8	46.8		8.0		12	4.0	13.8	50
PLLP06-02			R1/4	49.8		10.0		14	4.0	18.9	50
PLLP06-03			R3/8	50.8		11.0		17	4.0	26.1	50
PLLP06-04			R1/2	53.8		14.0		21	4.0	40.3	25
PLLP08-01	8	14.8	R1/8	51.4	30.4	8.0	18.8	14	6.0	18.0	50
PLLP08-02			R1/4	54.4		10.0		14	6.0	20.9	50
PLLP08-03			R3/8	55.4		11.0		17	6.0	27.7	25
PLLP08-04			R1/2	58.4		14.0		21	6.0	42.7	25
PLLP10-01	10	17.5	R1/8	56.3	33.1	8.0	20.1	17	6.0	27.7	25
PLLP10-02			R1/4	59.3		10.0		17	8.0	29.6	25
PLLP10-03			R3/8	60.3		11.0		17	8.0	31.7	25
PLLP10-04			R1/2	63.3		14.0		22	8.0	50.5	25
PLLP12-01	12	20.5	R1/8	64.7	38.2	8.0	22.9	19	6.0	42.1	25
PLLP12-02			R1/4	66.7		10.0		19	9.0	38.3	25
PLLP12-03			R3/8	67.7		11.0		19	10.0	42.0	25
PLLP12-04			R1/2	70.7		14.0		21	10.0	51.4	25



METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PLIP04-G01	4	10.5	G 1/8	38.8	23.7	5.0	15.0	14	3.0	12.9	50
PLIP04-G02			G 1/4	40.8		6.5		17	3.0	16.9	50
PLIP04-G03			G 3/8	40.3		6.5		20	3.0	19.7	50
PLIP06-G01	6	12.5	G 1/8	43.8	26.4	5.0	16.5	14	4.0	15.8	50
PLIP06-G02			G 1/4	45.8		6.5		17	4.0	17.9	50
PLIP06-G03			G 3/8	45.3		6.5		20	4.0	24.1	50
PLIP08-G01	8	14.8	G 1/8	48.4	30.4	5.0	18.8	14	6.0	16.0	50
PLIP08-G02			G 1/4	50.4		6.5		17	6.0	19.9	50
PLIP08-G03			G 3/8	19.9		6.5		20	6.0	25.7	25
PLIP08-G04			G 1/2	51.4		8.0		24	6.0	36.7	25
PLIP10-G01	10	17.5	G 1/8	53.3	33.1	5.0	20.1	17	6.0	24.7	25
PLIP10-G02			G 1/4	55.3		6.5		17	8.0	25.6	25
PLIP10-G03			G 3/8	54.8		6.5		20	8.0	29.7	25
PLIP10-G04			G 1/2	56.3		8.0		24	8.0	44.5	25
PLIP12-G02	12	20.5	G 1/4	62.7	38.2	6.5	22.9	19	8.0	34.3	25
PLIP12-G03			G 3/8	62.2		6.5		20	10.0	37.0	25
PLIP12-G04			G 1/2	63.7		8.0		24	10.0	44.4	25

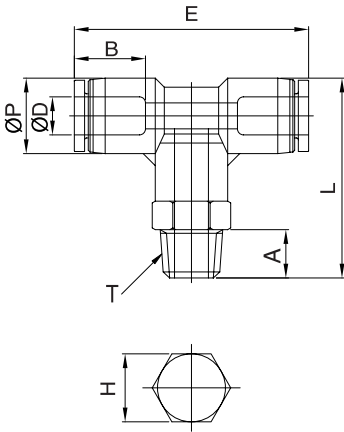


One -Touch Fittings



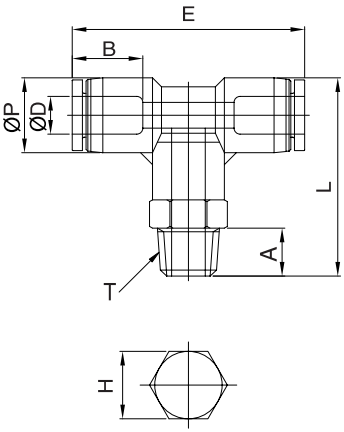
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	OFFICE	WEIGHT(g)	BOX(EA)
PT 04-M5	4	10.5	M5×0.8p	20.5	37.3	4.6	16.8	10	2.0	9.6	100
PT 04-M6			M6×1.0p	20.6		4.1		10	2.5	9.6	100
PT 04-01			R1/8	24.5		8.0		10	3.0	10.6	100
PT 04-02			R1/4	26.5		10.0		14	3.0	17.6	100
PT 04-03	6	12.5	R3/8	27.5	40.7	11.0	17.6	17	3.0	25.6	50
PT 06-M5			M5×0.8p	24.0		4.6		12	2.0	14.4	50
PT 06-M6			M6×1.0p	22.6		4.1		12	3.0	14.4	50
PT 06-01			R1/8	26.5		8.0		12	4.5	16.4	50
PT 06-02	8	14.8	R1/4	29.5	45.1	10.0	18.7	14	4.5	22.4	50
PT 06-03			R3/8	30.5		11.0		17	4.5	31.4	50
PT 06-04			R1/2	33.5		14.0		21	4.5	48.4	25
PT 08-01			R1/8	28.0	47.4	8.0	19.6	14	6.0	20.4	50
PT 08-02	10	17.5	R1/4	31.0		10.0		14	6.0	24.4	50
PT 08-03			R3/8	32.0		11.0		17	6.0	32.4	50
PT 08-04			R1/2	35.0		14.0		21	6.5	50.4	25
PT 10-01	12	20.5	R1/8	28.5	55.3	8.0	21.9	17	6.0	30.4	25
PT 10-02			R1/4	31.5		10.0		17	7.0	35.4	25
PT 10-03			R3/8	32.5		11.0		17	7.0	39.4	25
PT 10-04			R1/2	35.5		14.0		21	7.0	58.4	25
PT 12-01	16	25.5	R1/8	32.4	64.6	8.0	24.0	19	6.0	45.8	25
PT 12-02			R1/4	34.4		10.0		19	7.0	47.8	25
PT 12-03			R3/8	35.4		11.0		19	10.0	53.8	25
PT 12-04			R1/2	38.4		14.0		21	10.0	59.8	20
PT 16-03			R3/8	42.8		11.0		24	10.0	84.0	12
PT 16-04			R1/2	45.8		14.0		24	13.0	91.0	12



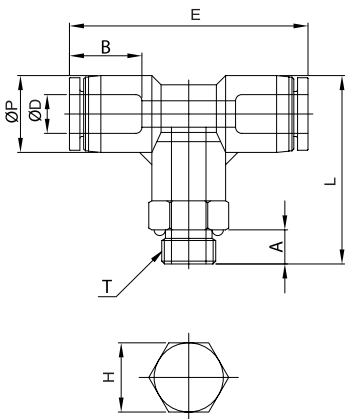
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	OFFICE	WEIGHT(g)	BOX(EA)
PT5/32-U	5/32	10.5	UNF10/32	26.7	37.0	3.6	16.2	7/16	2.5	9.6	100
PT5/32-N1			NPT1/8	30.3		8.5		7/16	3.0	11.6	100
PT5/32-N2			NPT1/4	33.3		10.5		9/16	3.0	15.6	100
PT3/16-U	3/16	11.5	UNF10/32	27.2	38.2	3.6	16.8	7/16	3.0	9.4	50
PT3/16-N1			NPT1/8	30.8		8.5		7/16	3.0	11.4	50
PT3/16-N2			NPT1/4	33.8		10.5		9/16	3.0	15.4	50
PT3/16-N3	1/4	13.0	NPT3/8	34.8	40.8	11.5	17.3	11/16	3.0	19.4	50
PT1/4-U			UNF10/32	32.4		3.6		1/2	2.5	14.4	50
PT1/4-N1			NPT1/8	34.3		8.5		1/2	4.5	16.4	50
PT1/4-N2	5/16	14.5	NPT1/4	37.0	43.7	10.5	18.2	9/16	4.5	22.4	50
PT1/4-N3			NPT3/8	38.0		11.5		11/16	4.5	42.4	50
PT5/16-N1			NPT1/8	36.7	47.7	8.5	19.9	9/16	6.0	22.4	50
PT5/16-N2	3/8	17.5	NPT1/4	38.7		10.5		9/16	6.0	26.4	50
PT5/16-N3			NPT3/8	39.7		11.5		11/16	6.0	30.4	25
PT5/16-N4			NPT1/2	42.7	56.5	14.5	23.0	7/8	6.0	50.4	25
PT3/8-N1	1/2	21.0	NPT1/8	38.8		8.5		11/16	5.0	34.4	25
PT3/8-N2			NPT1/4	40.8		10.5		11/16	7.0	38.4	25
PT3/8-N3			NPT3/8	41.8	56.5	11.5		11/16	7.0	43.4	25
PT3/8-N4	1/2	21.0	NPT1/2	44.8		14.5		7/8	7.0	58.4	25
PT1/2-N2			NPT1/4	46.0	56.5	10.5	23.0	3/4	8.0	45.0	25
PT1/2-N3			NPT3/8	47.0		11.5		3/4	9.0	54.0	25
PT1/2-N4			NPT1/2	50.0		14.5		7/8	9.0	74.0	20



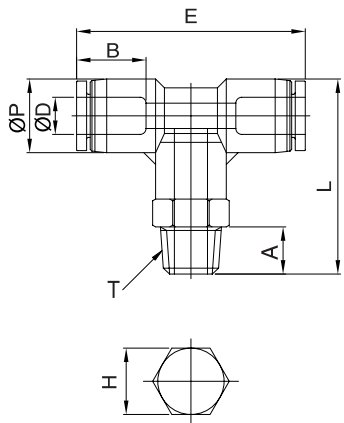
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	OFFICE	WEIGHT(g)	BOX(EA)
PT04-G01	4	10.5	G1/8	27.8	37.6	5.0	16.8	14	3.0	13.6	100
PT04-G02			G1/4	29.8		6.5		17	3.0	18.6	100
PT04-G03			G3/8	29.3		6.5		20	3.0	23.6	50
PT06-G01	6	12.5	G1/8	30.8	41.0	5.0	17.6	14	4.0	16.4	50
PT06-G02			G1/4	32.8		6.5		17	4.0	21.4	50
PT06-G03			G3/8	32.8		6.5		20	4.0	26.4	50
PT08-G01	8	14.5	G1/8	33.3	44.4	5.0	18.7	14	6.0	18.4	50
PT08-G02			G1/4	35.3		6.5		17	6.0	25.4	50
PT08-G03			G3/8	35.3		6.5		20	6.0	29.4	50
PT08-G04	10	17.5	G1/2	36.3	47.2	8.0	19.6	24	6.0	40.4	25
PT10-G01			G1/8	35.3		5.0		17	7.0	28.4	25
PT10-G02			G1/4	37.3		6.5		17	7.0	27.4	25
PT10-G03	12	20.5	G3/8	37.3	54.8	6.5	21.9	20	7.0	33.4	25
PT10-G04			G1/2	38.3		8.0		24	7.0	45.4	25
PT12-G02			G1/4	42.7	64.6	6.5	24.0	19	8.0	40.2	25
PT12-G03	16	25.5	G3/8	42.7		6.5		20	10.0	42.2	25
PT12-G04			G1/2	43.7		8.0		24	10.0	53.2	20
PT16-G03			G3/8	53.6		6.5		24	10.0	80.0	12
PT16-G04			G1/2	54.6		8.0		24	13.0	84.0	12



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	OFFICE	WEIGHT(g)	BOX(EA)
PT1/4-01	1/4	13.0	R1/8	33.5	40.8	8.0	17.3	12	4.0	16.4	50
PT1/4-02			R1/4	36.5		10.0		14	4.0	22.4	50
PT1/4-03			R3/8	37.5		11.0		17	4.0	42.4	50
PT5/16-01	5/16	14.5	R1/8	35.2	43.7	8.0	18.2	14	6.0	22.4	50
PT5/16-02			R1/4	38.2		10.0		14	6.0	26.4	50
PT5/16-03			R3/8	39.2		11.0		17	6.0	30.4	25
PT3/8-01	3/8	17.5	R1/8	37.3	47.7	8.0	19.9	17	6.0	34.4	25
PT3/8-02			R1/4	40.3		10.0		17	7.0	38.4	25
PT3/8-03			R3/8	41.3	56.5	11.0		17	7.0	43.4	25
PT3/8-04	1/2	21.0	R1/2	44.3		14.0		21	7.0	58.4	25
PT1/2-02			R1/4	45.5		10.0	23.0	19	7.0	45.0	25
PT1/2-03			R3/8	46.5		11.0		19	9.0	54.0	25
PT1/2-04			R1/2	49.5		14.0		21	9.0	74.0	20

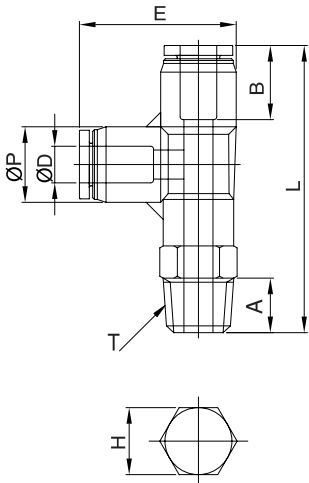


One -Touch Fittings



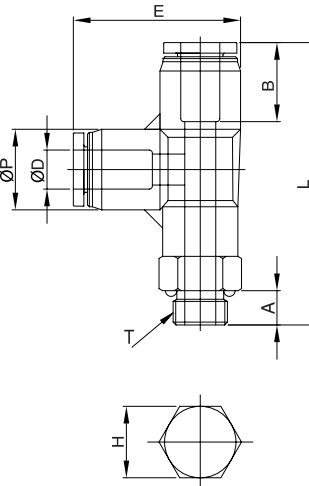
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA.)
PST 04-M5	4	10.5	M5 × 0.8p	42.3	25.1	4.6	16.8	10	2.0	10.6	100
PST 04-M6			M6 × 1.0p	41.3		4.1		10	2.5	10.6	100
PST 04-01			R1/8	45.3		8.0		10	3.0	11.6	100
PST 04-02			R1/4	48.3		10.0		14	3.0	17.6	100
PST 04-03	6	12.5	R3/8	48.3	28.1	11.0	17.6	17	3.0	26.6	50
PST 06-M5			M5 × 0.8p	46.1		4.6		12	2.0	15.4	50
PST 06-M6			M6 × 1.0p	44.6		4.1		12	3.0	15.4	50
PST 06-01			R1/8	48.6		8.0		12	4.5	17.4	50
PST 06-02	8	14.8	R1/4	51.2	30.9	10.0	18.7	14	4.5	25.4	50
PST 06-03			R3/8	52.2		11.0		17	4.5	29.4	50
PST 06-04			R1/2	55.5		14.0		21	4.5	32.4	25
PST 08-01			R1/8	52.2	34.6	8.0	19.6	14	6.0	22.4	50
PST 08-02	10	17.5	R1/4	55.2		10.0		14	6.0	27.4	50
PST 08-03			R3/8	56.2		11.0		17	6.0	34.4	50
PST 08-04			R1/2	59.2		14.0		21	6.5	53.4	25
PST 10-01	12	20.5	R1/8	55.6	40.3	8.0	21.9	17	6.0	28.4	25
PST 10-02			R1/4	58.6		10.0		17	7.0	34.4	25
PST 10-03			R3/8	59.6		11.0		17	7.0	38.4	25
PST 10-04			R1/2	62.6		14.0		21	7.0	58.4	25
PST 12-01			R1/8	62.8		8.0		19	6.0	47.8	25
PST 12-02			R1/4	64.8		10.0		19	7.0	50.8	25
PST 12-03			R3/8	65.8		11.0		19	10.0	53.8	25
PST 12-04			R1/2	68.8		14.0		21	10.0	61.8	20



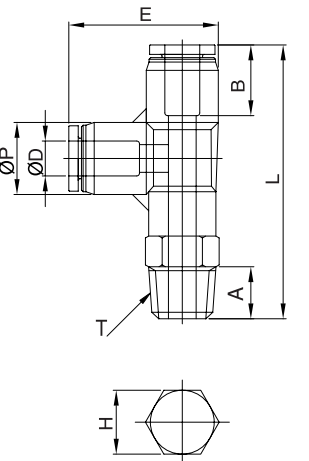
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA.)
PST04-G01	4	10.5	G1/8	42.8	25.1	5.0	16.8	14	3.0	14.6	100
PST04-G02			G1/4	44.8		6.5		17		18.6	100
PST04-G03			G3/8	44.3		6.5		20		23.6	50
PST06-G01	6	12.5	G1/8	46.9	28.1	5.0	17.6	14	4.0	16.4	50
PST06-G02			G1/4	48.9		6.5		17		22.4	50
PST06-G03			G3/8	49.9		6.5		20		27.4	50
PST08-G01	8	14.5	G1/8	50.1	30.9	5.0	18.7	14	6.0	19.4	50
PST08-G02			G1/4	52.1		6.5		17		25.4	50
PST08-G03			G3/8	53.1		6.5		20		30.4	50
PST08-G04			G1/2	54.1		8.0		24		40.4	25
PST10-G01	10	17.5	G1/8	53.8	34.6	5.0	19.6	17	8.0	28.4	25
PST10-G02			G1/4	55.8		6.5		17		28.4	25
PST10-G03			G3/8	56.8		6.5		20		34.4	25
PST10-G04			G1/2	57.8		8.0		24		48.4	25
PST12-G02	12	20.5	G1/4	62.2	40.3	6.5	21.9	19	10.0	43.2	25
PST12-G03			G3/8	63.2		6.5		20		43.2	25
PST12-G04			G1/2	64.2		8.0		24		55.2	20



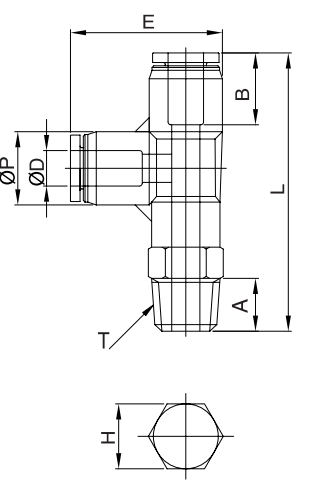
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA.)
PST5/32-U	5/32	10.5	UNF10/32	42.1	25.1	3.6	16.2	7/16	2.5	9.6	100
PST5/32-N1			NPT1/8	45.7		8.5		7/16	3.0	11.6	100
PST5/32-N2			NPT1/4	48.7		10.5		9/16	3.0	15.6	50
PST3/16-U	3/16	11.5	UNF10/32	41.5	25.1	3.6	16.8	7/16	3.0	9.4	50
PST3/16-N1			NPT1/8	45.1		8.5		7/16	3.0	11.4	50
PST3/16-N2			NPT1/4	48.1		10.5		9/16	3.0	15.4	50
PST3/16-N3	1/4	13.0	NPT3/8	49.1	28.0	11.5	17.3	11/16	3.0	19.4	50
PST1/4-U			UNF10/32	47.4		3.6		1/2	2.5	14.4	50
PST1/4-N1			NPT1/8	49.3		8.5		1/2	4.5	16.4	50
PST1/4-N2			NPT1/4	52.0		10.5		9/16	4.5	22.4	50
PST1/4-N3	5/16	14.5	NPT3/8	53.0	30.9	11.5	18.2	11/16	4.5	42.4	50
PST5/16-N1			NPT1/8	53.7		8.5		9/16	6.0	22.4	50
PST5/16-N2			NPT1/4	55.7		10.5		9/16	6.0	26.4	50
PST5/16-N3			NPT3/8	56.7		11.5		11/16	6.0	30.4	50
PST5/16-N4	3/8	17.5	NPT1/2	59.7	34.7	14.5	19.9	7/8	6.0	50.4	25
PST3/8-N1			NPT1/8	63.3		8.5		11/16	5.0	34.4	25
PST3/8-N2			NPT1/4	65.3		10.5		11/16	7.0	38.4	25
PST3/8-N3			NPT3/8	66.3		11.5		11/16	7.0	43.4	25
PST3/8-N4	1/2	21.0	NPT1/2	69.3	40.8	14.5	23.0	7/8	7.0	58.4	25
PST1/2-N1			NPT1/4	57.3		10.5		3/4	8.0	45.0	25
PST1/2-N3			NPT3/8	58.3		11.5		3/4	10.0	54.0	25
PST1/2-N4			NPT1/2	61.3		14.5		7/8	10.0	74.0	20



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA.)
PST1/4-01	1/4	13.0	R1/8	48.5	28.0	8.0	17.3	12	4.0	16.4	50
PST1/4-02			R1/4	51.5		10.0		14	4.0	22.4	50
PST1/4-03			R3/8	52.5		11.0		17	4.0	42.4	50
PST5/16-01	5/16	14.5	R1/8	52.2	30.9	8.0	18.2	14	6.0	22.4	50
PST5/16-02			R1/4	55.2		10.0		14	6.0	26.4	50
PST5/16-03			R3/8	56.2		11.0		17	6.0	30.4	50
PST3/8-02	3/8	17.5	R1/4	64.8	34.7	10.0	19.9	17	7.0	38.4	25
PST3/8-03			R3/8	65.8		11.0		17	7.0	43.4	25
PST3/8-04			R1/2	68.8		14.0		21	7.0	58.4	25
PST1/2-02	1/2	21.0	R1/4	56.8	40.8	10.0	23.0	19	7.0	45.0	25
PST1/2-03			R3/8	57.8		11.0		19	9.0	54.0	25
PST1/2-04			R1/2	60.8		14.0		21	9.0	74.0	20



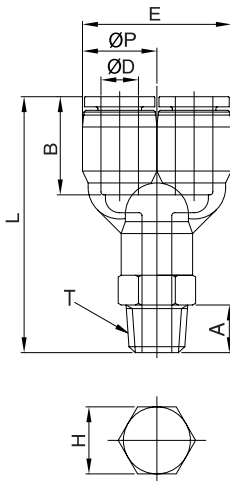
One -Touch Fittings

PWT



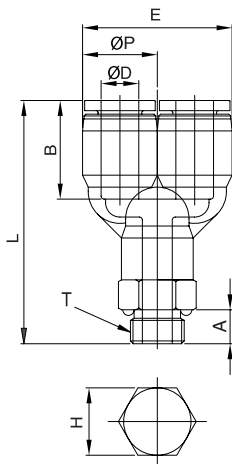
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PWT 04-M5	4	10.5	M5×0.8p	41.1	21.0	4.6	15.7	10	2.5	10.6	100
PWT 04-M6			M6×1.0p	41.1		4.1		10	2.5	10.6	100
PWT 04-01			R1/8	43.6		8.0		10	3.0	11.6	100
PWT 04-02			R1/4	45.6		10.0		14	3.0	17.6	100
PWT 04-03	6	12.5	R3/8	46.6	25.0	11.0	17.0	17	3.0	25.6	50
PWT 06-M5			M5×0.8p	42.0		4.6		12	2.5	15.4	50
PWT 06-M6			M6×1.0p	40.6		4.1		12	3.0	15.4	50
PWT 06-01			R1/8	44.5		8.0		12	4.5	18.4	50
PWT 06-02	8	14.8	R1/4	47.5	29.0	10.0	19.1	14	4.5	19.4	50
PWT 06-03			R3/8	48.5		11.0		17	4.5	31.4	50
PWT 06-04			R1/2	51.5		14.0		21	4.5	45.4	25
PWT 08-01			R1/8	47.9	35.2	8.0	20.2	14	6.0	19.4	50
PWT 08-02	10	17.5	R1/4	50.9		10.0		14	6.0	25.4	50
PWT 08-03			R3/8	51.9		11.0		17	6.0	33.4	50
PWT 08-04			R1/2	54.9		14.0		21	6.5	51.4	25
PWT 10-01	12	20.5	R1/8	51.2	42.0	8.0	22.7	17	6.0	31.4	25
PWT 10-02			R1/4	54.2		10.0		17	7.0	36.4	25
PWT 10-03			R3/8	55.2		11.0		17	7.0	38.4	25
PWT 10-04			R1/2	58.2		14.0		21	7.0	58.4	25
PWT 12-01			R1/8	57.2		8.0		19	6.0	48.2	25
PWT 12-02			R1/4	59.2		10.0		19	7.0	51.2	25
PWT 12-03			R3/8	60.2		11.0		19	10.0	50.2	25
PWT 12-04			R1/2	63.2		14.0		21	10.0	62.2	25



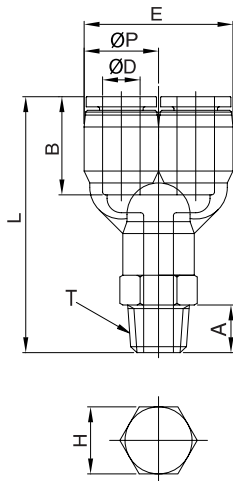
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PWT04-G01	4	10.5	G1/8	41.6	21.0	5.0	15.7	14	3.0	14.6	100
PWT04-G02			G1/4	43.6		6.5		17	3.0	18.6	100
PWT04-G03			G3/8	43.6		6.5		20	3.0	22.6	50
PWT06-G01	6	12.5	G1/8	42.5	25.0	5.0	17.0	14	4.0	17.4	50
PWT06-G02			G1/4	44.5		6.5		17	4.0	22.4	50
PWT06-G03			G3/8	44.5		6.5		20	4.0	26.4	50
PWT06-G04			G1/2	45.5		8.0		24	4.0	37.4	25
PWT08-G01	8	14.5	G1/8	45.9	29.0	5.0	19.0	14	6.0	18.4	50
PWT08-G02			G1/4	47.9		6.5		17	6.0	25.4	50
PWT08-G03			G3/8	47.9		6.5		20	6.0	30.4	50
PWT08-G04			G1/2	48.9		8.0		24	6.0	40.4	25
PWT10-G01	10	17.5	G1/8	49.2	35.2	5.0	20.2	17	6.0	29.4	25
PWT10-G02			G1/4	51.2		6.5		17	7.0	28.4	25
PWT10-G03			G3/8	51.2		6.5		20	7.0	35.4	25
PWT10-G04			G1/2	52.2		8.0		24	7.0	47.4	25
PWT12-G02	12	20.5	G1/4	56.2	42.0	6.5	22.7	19	8.0	44.2	25
PWT12-G03			G3/8	56.2		6.5		20	9.0	45.2	25
PWT12-G04			G1/2	57.2		8.0		24	9.0	58.2	25



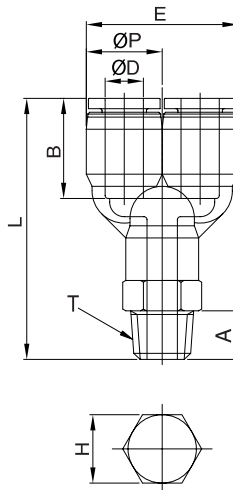
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PWT5/32-U	5/32	10.5	UNF10/32	38.1	21.0	3.6	16.2	7/16	2.5	10.6	100
PWT5/32-N1			NPT1/8	41.7		8.5		7/16	3.0	11.6	100
PWT5/32-N2			NPT1/4	44.7		10.5		9/16	3.0	17.6	50
PWT3/16-U	3/16	11.5	UNF10/32	41.8	23.0	3.6	16.8	7/16	3.0	10.4	50
PWT3/16-N1			NPT1/8	45.4		8.5		7/16	3.0	11.4	50
PWT3/16-N2			NPT1/4	48.4		10.5		9/16	3.0	17.4	50
PWT3/16-N3	1/4	13.0	NPT3/8	49.4	26.0	11.5	17.3	11/16	3.0	19.4	50
PWT1/4-U			UNF10/32	45.8		3.6		1/2	2.5	15.4	50
PWT1/4-N1			NPT1/8	47.7		8.5		1/2	4.5	18.4	50
PWT1/4-N2	5/16	14.5	NPT1/4	50.4	29.0	10.5	18.2	9/16	4.5	19.4	50
PWT1/4-N3			NPT3/8	51.4		11.5		11/16	4.5	31.4	50
PWT5/16-N1			NPT1/8	47.0	35.0	8.5	19.9	9/16	6.0	19.4	50
PWT5/16-N2	3/8	17.5	NPT1/4	49.0		10.5		9/16	6.0	28.4	50
PWT5/16-N3			NPT3/8	50.0		11.5		11/16	6.0	29.4	50
PWT5/16-N4			NPT1/2	53.0	42.0	14.5	23.0	7/8	6.0	49.4	25
PWT3/8-N1	1/2	21.0	NPT1/8	52.7		8.5		11/16	5.0	28.4	25
PWT3/8-N2			NPT1/4	54.7		10.5		11/16	7.0	36.4	25
PWT3/8-N3			NPT3/8	55.7	78.0	11.5	78.0	11/16	7.0	38.4	25
PWT3/8-N4			NPT1/2	58.7		14.5		7/8	7.0	58.4	25
PWT1/2-N2			NPT1/4	64.6		10.5		3/4	7.0	58.0	25
PWT1/2-N3			NPT3/8	65.6		11.5		3/4	7.0	68.0	25
PWT1/2-N4			NPT1/2	68.6		14.5		7/8	7.0	78.0	20



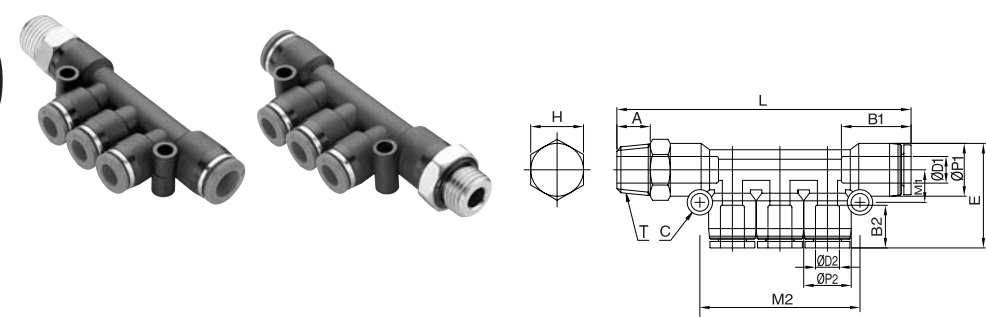
INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA)
PWT1/4-01	1/4	13.0	R1/8	46.9	26.0	8.0	17.3	12	4.0	18.4	50
PWT1/4-02			R1/4	49.9		10.0		14	4.0	19.4	50
PWT1/4-03			R3/8	50.9		11.0		17	4.0	31.4	50
PWT5/16-01	5/16	14.5	R1/8	45.5	29.0	8.0	18.2	14	6.0	19.4	50
PWT5/16-02			R1/4	48.5		10.0		14	6.0	28.4	50
PWT5/16-03			R3/8	49.5		11.0		17	6.0	29.4	50
PWT3/8-02	3/8	17.5	R1/4	54.2	35.0	10.0	19.9	17	7.0	36.4	25
PWT3/8-03			R3/8	55.2		11.0		17	7.0	38.4	25
PWT3/8-04			R1/2	58.2		14.0		21	7.0	58.4	25
PWT1/2-02	1/2	21.0	R1/4	64.1	42.0	10.0	23.0	19	7.0	58.0	25
PWT1/2-03			R3/8	65.1		11.0		19	9.0	68.0	25
PWT1/2-04			R1/2	68.1		14.0		21	9.0	78.0	20



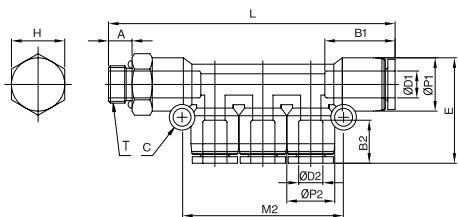
One -Touch Fittings

PKD



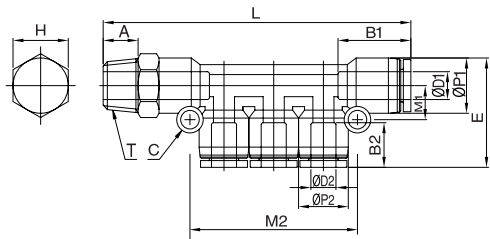
METRIC-BSPT(R)

MODEL	ØD1	ØD2	ØP1	ØP2	T	L	E	C	A	B1	E2	M1	M2	H(Hex)	OFFICE	WEIGHT(g)	BOX(EA)
PKD 0604-01	6	4	12.5	10.5	R1/8	72.1	242	3.3	8.0	17.6	16.3	7.6	34.0	12	3.0	21.1	25
PKD 0804-01	8	4	14.8	10.5	R1/8	73.9	285	4.3	8.0	18.7	16.3	9.2	34.8	14	3.0	23.1	25
PKD 0804-02		4	14.8	10.5	R1/4	76.9	285	4.3	10.0	18.7	16.3	9.2	34.8	14	3.0	28.1	25
PKD 0806-01		6	14.8	12.5	R1/8	79.5	34.0	4.3	8.0	18.7	17.6	9.3	41.1	14	4.0	26.8	25
PKD 0806-02		6	14.8	12.5	R1/4	82.5	34.0	4.3	10.0	18.7	17.6	9.3	41.1	14	4.0	30.8	25
PKD 1006-02	10	6	17.5	12.5	R1/4	89.2	34.5	4.3	10.0	19.6	17.6	9.5	41.7	17	4.0	40.3	25
PKD 1006-03		6	17.5	12.5	R3/8	90.2	34.5	4.3	11.0	19.6	17.6	9.5	41.7	17	4.0	44.3	20
PKD 1008-02	10	8	17.5	14.8	R1/4	94.3	34.5	4.3	10.0	19.6	18.7	8.5	47.0	17	6.5	44.3	25
PKD 1008-03		8	17.5	14.8	R3/8	95.3	34.5	4.3	11.0	19.6	18.7	8.5	47.0	17	6.5	48.3	20



METRIC-BSPP(G)

MODEL	ØD1	ØD2	ØP1	ØP2	T	L	E	C	A	B1	E2	M1	M2	H(Hex)	OFFICE	WEIGHT(g)	BOX(EA)
PKD 0604-G01	6	4	12.5	10.5	G1/8	70.1	242	3.3	5.0	17.6	16.3	7.6	34.0	14	3.0	22.1	25
PKD 0804-G01	8	4	14.8	10.5	G1/8	71.9	285	4.3	5.0	18.7	16.3	9.2	34.8	14	3.0	24.1	25
PKD 0804-G02		4	14.8	10.5	G1/4	74.9	285	4.3	6.5	18.7	16.3	9.2	34.8	17	3.0	29.1	25
PKD 0806-G01		6	14.8	12.5	G1/8	77.5	34.0	4.3	5.0	18.7	17.6	9.3	41.1	14	4.0	27.8	25
PKD 0806-G02		6	14.8	12.5	G1/4	80.5	34.0	4.3	6.5	18.7	17.6	9.3	41.1	17	4.0	31.8	25
PKD 1006-G02	10	6	17.5	12.5	G1/4	87.2	34.5	4.3	6.5	19.6	17.6	9.5	41.7	17	4.0	35.3	25
PKD 1006-G03		6	17.5	12.5	G3/8	87.2	34.5	4.3	6.5	19.6	17.6	9.5	41.7	20	4.0	41.3	25
PKD 1008-G02		8	17.5	14.8	G1/4	92.3	34.5	4.3	6.5	19.6	18.7	8.5	47.0	17	6.5	38.3	25
PKD 1008-G03		8	17.5	14.8	G3/8	92.3	34.5	4.3	6.5	19.6	18.7	8.5	47.0	20	6.5	53.3	20



INCH-NPT

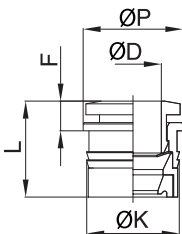
MODEL	ØD1	ØD2	ØP1	ØP2	T	L	E	C	A	B1	B2	M1	M2	H(Hex)	OFFICE	WEIGHT(g)	BOX(EA)			
PKD 3/16-5/32-N1	3/16	5/32	11.5	10.5	NPT1/8	69.8	263	3.3	8.5	16.8	16.3	7.6	34.0	7/16	32	26.1	25			
PKD 1/4-5/32-N1	1/4	5/32	13.0	10.5	NPT1/8	71.1	266	3.3	8.5	17.4	16.3	8.8	36.0	1/2	32	26.1	25			
PKD 5/16-5/32-N2	5/16	5/32	14.5	10.5	NPT1/4	77.7	282	4.3	10.5	18.7	16.3	9.2	34.8	9/16	32	31.1	25			
PKD 5/16-3/16-N2		3/16		11.5		80.9	29.0				4.3	10.5	18.7		16.8	9.3	41.1	4.0	34.8	25
PKD 5/16-1/4-N2		1/4		13.0		84.0	30.0				17.4	9.7	43.5		5.0	31.8	25			
PKD 3/8-1/4-N3		1/4		13.0		86.9	32.2				17.4	11.0	43.5		11/16	5.0	58.3	20		
PKD 3/8-5/16-N3	3/8	5/16	17.5	14.5	NPT3/8	96.3	34.5	4.3	11.5	20.2	18.7	8.5	47.0	6.6	62.3	20				

CAS



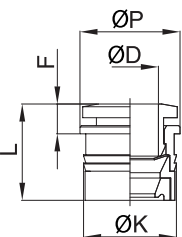
METRIC-BSPT(R)

MODEL	ØD	ØP	ØK	L	F	WEIGHT(g)	BOX(EA)
CAS 04	4	10.0	8.95	11.25	3.55	1.5	100
CAS 06	6	12.0	11.1	12.45	3.95	2.3	100
CAS 08	8	14.0	13.2	13.9	4.3	3.5	100
CAS 10	10	16.6	15.45	15.15	4.85	4.8	100
CAS 12	12	19.0	17.75	17.4	5.0	7.3	100



INCH-NPT

MODEL	ØD	ØP	ØK	L	F	WEIGHT(g)	BOX(EA)
CAS 5/32	5/32	10.0	8.95	11.25	3.55	1.5	100
CAS 3/16	3/16	11.1	9.95	12.3	4.0	2.2	100
CAS 1/4	1/4	12.6	11.6	12.9	4.3	2.8	100
CAS 5/16	5/16	14.0	13.2	13.9	4.3	3.5	100
CAS 3/8	3/8	16.8	15.45	15.1	4.8	5.1	100
CAS 1/2	1/2	19.9	18.35	17.65	5.25	7.4	100



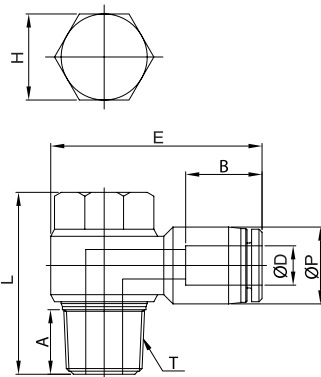
One -Touch Fittings

PH



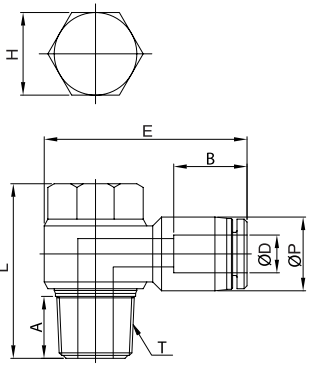
METRIC-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA.)
PH 03-M5	3	7.8	M5×0.8p	18.2	21.5	3.6	11.1	8	1.5	7.0	100
PH 04-M5	4	10.5	M5×0.8p	18.2	25.1	3.6	16.3	8	1.5	7.8	50
PH 04-M6			M6×1.0p	20.7	25.1	4.1		8	2.0	8.8	50
PH 04-01			R1/8	25.0	30.5	8.0		11	3.0	14.8	50
PH 04-02			R1/4	28.8	34.5	10.0		15	3.2	25.8	50
PH 06-M5	6	12.5	M5×0.8p	18.2	27.8	3.6	17.6	8	2.0	8.7	50
PH 06-M6			M6×1.0p	20.7	27.8	4.1		8	2.0	9.7	50
PH 06-01			R1/8	25.0	31.2	8.0		11	3.0	15.7	50
PH 06-02			R1/4	28.8	35.0	10.0		15	4.5	26.7	50
PH 06-03			R3/8	32.7	38.7	11.0		19	4.3	49.7	25
PH 06-04			R1/2	39.4	44.9	14.0		24	5.0	73.7	25
PH 08-01	8	14.8	R1/8	25.0	33.0	8.0	18.7	11	3.0	15.7	50
PH 08-02			R1/4	28.8	36.8	10.0		15	4.5	26.7	50
PH 08-03			R3/8	32.7	40.1	11.0		19	4.3	44.7	25
PH 08-04			R1/2	39.4	45.8	14.0		24	6.0	75.7	25
PH 10-01	10	17.5	R1/8	25.0	35.0	8.0	19.6	11	3.0	16.2	25
PH 10-02			R1/4	28.8	38.8	10.0		15	4.5	29.2	25
PH 10-03			R3/8	32.7	42.2	11.0		19	4.3	46.2	25
PH 10-04			R1/2	39.4	47.5	14.0		24	6.0	79.2	20
PH 12-02	12	20.5	R1/4	28.8	40.8	10.0	21.9	15	4.5	32.1	25
PH 12-03			R3/8	32.7	45.9	11.0		19	4.3	54.1	25
PH 12-04			R1/2	39.4	50.1	14.0		24	6.0	74.1	20



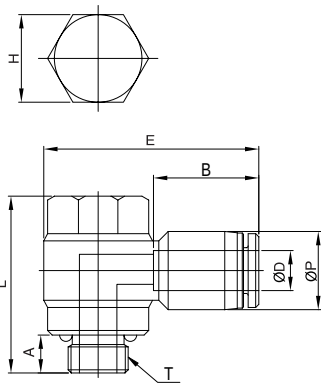
INCH-NPT

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA.)
PH 1/8-U	1/8	7.8	UNF10/32	18.2	21.5	3.6	11.1	5/16	1.5	7.0	50
PH 5/32-U	5/32	10.5	UNF10/32	18.2	25.1	3.6	16.3	5/16	1.5	7.8	100
PH 5/32-N1			NPT1/8	25.0	30.5	8.0		7/16	3.0	23.8	50
PH 5/32-N2			NPT1/4	28.8	34.5	10.0		5/16	3.2	29.8	50
PH 3/16-U	3/16	11.5	UNF10/32	18.2	26.6	3.6	16.8	5/16	1.5	7.7	100
PH 3/16-N1			NPT1/8	25.0	31.4	8.0		7/16	3.0	23.7	50
PH 3/16-N2			NPT1/4	28.8	35.3	10.0		19/32	3.5	29.7	50
PH 3/16-N3			NPT3/8	33.7	39.1	11.0		3/4	3.5	37.7	50
PH 1/4-U	1/4	13.0	UNF10/32	18.2	28.7	3.6	17.4	5/16	1.5	8.7	50
PH 1/4-N1			NPT1/8	25.0	32.0	8.0		7/16	3.0	23.7	50
PH 1/4-N2			NPT1/4	28.8	35.9	10.0		19/32	4.5	35.7	50
PH 1/4-N3			NPT3/8	33.7	39.7	11.0		3/4	6.0	44.7	25
PH 5/16-N1	5/16	14.5	NPT1/8	35.0	33.0	8.0	18.7	7/16	3.0	34.7	50
PH 5/16-N2			NPT1/4	28.8	36.8	10.0		19/32	4.5	36.7	50
PH 5/16-N3			NPT3/8	33.7	40.1	11.0		3/4	6.0	59.7	25
PH 5/16-N4			NPT1/2	39.4	45.8	14.0		15/16	6.5	96.7	20
PH 3/8-N2	3/8	17.5	NPT1/4	28.8	37.5	10.0	20.2	19/32	4.5	59.2	25
PH 3/8-N3			NPT3/8	33.7	42.1	11.0		3/4	6.0	89.2	25
PH 3/8-N4			NPT1/2	39.4	47.3	14.0		15/16	7.0	99.2	20
PH 1/2-N3	1/2	21.0	NPT3/8	33.7	45.1	11.0	22.0	3/4	6.0	65.0	25
PH 1/2-N4			NPT1/2	39.4	50.5	14.0		15/16	8.0	109.0	20



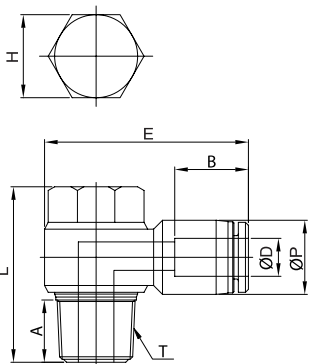
METRIC-BSPP(G)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA.)
PH04-G01	4	10.5	G 1/8	23.5	32.4	4.5	16.3	8	3.0	14.8	50
PH04-G02			G 1/4	28.0	34.2	6.0		12	3.2	24.8	50
PH06-G01	6	12.5	G 1/8	23.5	33.5	4.5	17.6	8	3.0	15.7	50
PH06-G02			G 1/4	28.0	37.3	6.0		12	4.5	23.7	50
PH06-G03			G 3/8	32.5	39.8	6.0		14	5.0	47.7	25
PH08-G01	8	14.5	G 1/8	23.5	34.2	4.5	18.7	8	3.0	16.7	50
PH08-G02			G 1/4	28.0	38.3	6.0		12	4.5	25.7	50
PH08-G03			G 3/8	32.5	41.8	6.0		14	6.0	49.7	25
PH08-G04			G 1/2	34.0	45.9	7.5		19	6.5	68.7	25
PH10-G02	10	17.5	G 1/4	28.0	39.5	6.0	19.6	12	4.5	27.2	25
PH10-G03			G 3/8	32.5	42.5	6.0		14	6.0	50.2	25
PH10-G04			G 1/2	34.0	48.6	7.5		19	8.0	73.2	20
PH12-G03	12	20.5	G 3/8	32.5	44.8	6.0	21.9	14	6.0	53.1	25
PH12-G04			G 1/2	34.0	50.3	7.5		19	8.0	73.1	20



INCH-BSPT(R)

MODEL	ØD	ØP	T	L	E	A	B	H(Hex)	ORFICE	WEIGHT(g)	BOX(EA.)
PH1/4-M5	1/4	13.0	M5×0.8p	18.2	28.7	3.6	17.4	8	1.5	8.7	50
PH1/4-01			R1/8	25.0	32.0	8.0		11	3.0	23.7	50
PH1/4-02			R1/4	28.8	35.9	10.0		15	4.5	35.7	50
PH5/16-01	5/16	14.5	R1/8	25.0	33.0	8.0	18.7	11	3.0	34.7	50
PH5/16-02			R1/4	28.8	36.8	10.0		15	4.5	36.7	50
PH5/16-03			R3/8	32.7	40.1	11.0		19	6.0	59.7	25
PH3/8-02	3/8	17.5	R1/4	28.8	37.5	10.0	20.2	15	4.5	59.2	25
PH3/8-03			R3/8	32.7	42.1	11.0		19	6.0	89.2	25

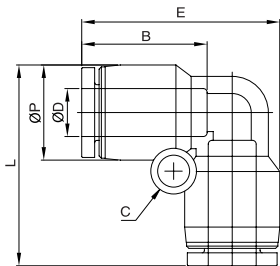


One -Touch Fittings



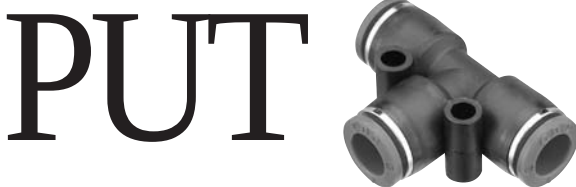
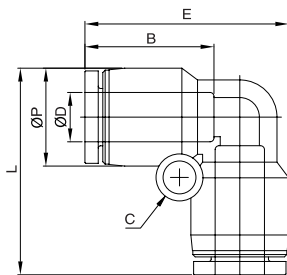
METRIC

MODEL	ØD	ØP	L	E	C	B	OFFICE	WEIGHT(g)	BOX(EA.)
PUL 04	4	10.5	24.2	24.2	3.3	16.3	3.0	4.6	100
PUL 06	6	12.5	27.5	27.5	3.3	17.6	5.0	5.4	100
PUL 08	8	14.8	30.7	30.7	4.3	18.7	7.0	8.4	50
PUL 10	10	17.5	34.1	34.1	4.3	19.6	8.0	11.4	50
PUL 12	12	20.5	39.9	39.9	4.3	21.9	10.0	19.2	25
PUL 16	16	25.5	46.7	46.7	4.3	24.0	13.0	38.0	20



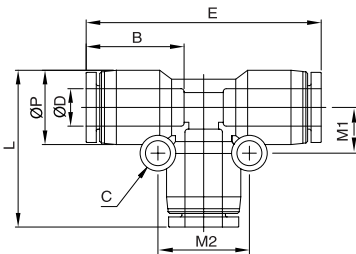
INCH

MODEL	ØD	ØP	L	E	C	B	OFFICE	WEIGHT(g)	BOX(EA.)
PUL5/32	5/32	10.5	24.2	24.2	3.3	16.3	3.0	4.6	100
PUL3/16	3/16	11.5	25.5	25.5	3.5	16.8	3.5	4.4	100
PUL1/4	1/4	13.0	27.8	27.8	3.5	17.4	4.8	7.4	100
PUL5/16	5/16	14.5	30.7	30.7	4.3	18.7	7.0	9.4	50
PUL3/8	3/8	17.5	34.6	34.6	4.5	20.2	8.0	14.4	25
PUL1/2	1/2	21.0	40.8	40.8	4.5	22.0	9.0	22.0	20



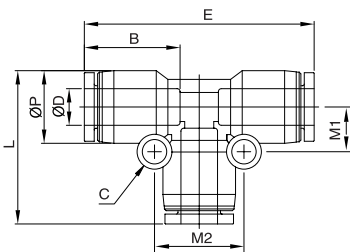
METRIC

MODEL	ØD	ØP	L	E	C	B	M1	M2	OFFICE	WEIGHT(g)	BOX(EA.)
PUT 04	4	10.5	24.2	36.6	3.3	16.3	6.4	12.8	2.6	9.4	100
PUT 06	6	12.5	27.5	41.8	3.3	17.6	7.7	15.4	5.0	10.1	50
PUT 08	8	14.8	30.7	44.9	4.3	18.7	8.9	17.8	6.5	12.1	50
PUT 10	10	17.5	34.1	48.2	4.3	19.6	10.9	21.8	8.0	15.6	25
PUT 12	12	20.5	39.9	56.8	4.3	21.9	12.4	24.8	10.0	26.3	25
PUT 16	16	25.5	47.2	68.2	4.3	24.0	15.9	31.8	13.0	52.0	15



INCH

MODEL	ØD	ØP	L	E	C	B	M1	M2	OFFICE	WEIGHT(g)	BOX(EA.)
PUT5/32	5/32	10.5	36.6	24.2	3.3	16.3	6.4	12.8	3.0	6.4	100
PUT3/16	3/16	11.5	39.5	25.5	3.5	16.8	7.5	15.0	3.5	6.1	100
PUT1/4	1/4	13.0	42.6	27.8	3.5	17.4	8.3	16.5	4.8	10.1	50
PUT5/16	5/16	14.5	44.9	30.7	4.3	18.7	8.9	17.8	6.5	13.1	50
PUT3/8	3/8	17.5	51.6	34.6	4.5	20.2	11.0	22.0	8.0	19.6	25
PUT1/2	1/2	21.0	60.5	40.8	4.5	22.0	12.8	25.5	9.0	31.0	25

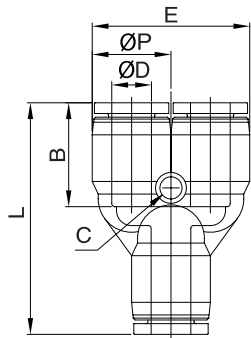


One -Touch Fittings



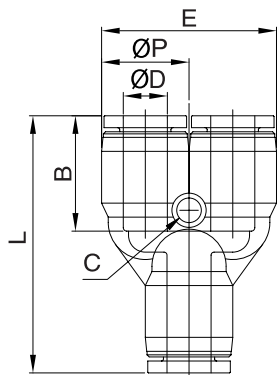
METRIC

MODEL	ØD	ØP	L	E	C	B	OFFICE	WEIGHT(g)	BOX(PA.)
PY04	4	10.5	37.1	21.0	3.3	16.3	3.0	6.4	100
PY06	6	12.5	40.2	25.0	3.3	17.6	5.2	9.1	100
PY08	8	14.8	43.4	29.0	4.3	18.7	6.8	12.1	50
PY10	10	17.5	47.7	35.0	4.3	19.6	8.0	17.6	25
PY12	12	20.5	53.3	41.0	4.3	21.9	10.3	28.3	25



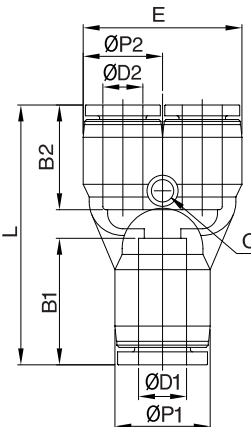
INCH

MODEL	ØD	ØP	L	E	C	B	OFFICE	WEIGHT(g)	BOX(PA.)
PY5/32	5/32	10.5	37.1	21.0	3.3	16.3	2.5	7.4	100
PY3/16	3/16	11.5	37.1	23.0	3.3	16.8	3.0	7.1	100
PY1/4	1/4	13.0	39.8	26.0	3.3	17.4	4.0	9.1	50
PY5/16	5/16	14.5	43.4	29.0	4.3	18.7	6.8	13.1	50
PY3/8	3/8	17.5	47.7	35.0	4.3	19.6	8.0	19.6	25
PY1/2	1/2	21.0	54.5	42.0	4.3	22.0	10.3	29.0	25



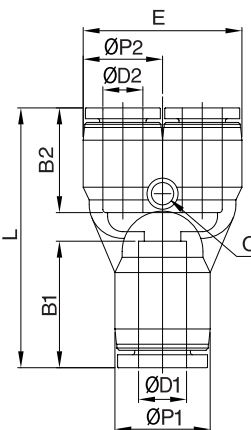
METRIC

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	B2	OFFICE	WEIGHT(g)	BOX(PA.)
PW06-04	6	4	12.5	10.5	37.9	21.0	3.3	17.6	16.3	3.4	7.3	100
PW08-04		4		10.5	39.7	21.0	3.3	18.7	16.3	3.7	9.3	50
PW08-06	8	6	14.8	12.5	41.3	25.0	3.3	18.7	17.6	5.4	10.1	50
PW10-06		6		12.5	43.0	25.0	3.3	19.6	17.6	5.6	12.6	50
PW10-08	10	8	17.5	14.8	43.3	29.6	4.3	19.6	18.7	7.0	14.6	50
PW12-08		8		14.8	47.8	29.6	3.3	21.9	18.7	7.3	16.5	25
PW12-10	12	10	20.5	17.5	46.5	35.0	4.3	21.9	19.6	8.0	21.5	25



INCH

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	B2	OFFICE	WEIGHT(g)	BOX(PA.)
PW3/16-5/32	3/16	5/32	11.5	10.5	37.0	21.0	3.3	16.8	16.3	3.3	8.3	50
PW1/4-5/32		5/32		10.5	38.1	21.0	3.3	17.4	16.3	3.3	8.3	100
PW1/4-3/16	1/4	3/16	13.0	11.5	38.7	23.0	3.3	17.4	16.8	4.0	8.1	50
PW5/16-5/32		5/32		10.5	39.7	21.0	3.3	18.7	16.3	3.7	9.3	100
PW5/16-1/4	5/16	1/4	14.5	13.0	42.1	26.0	3.3	18.7	17.4	5.0	12.1	50
PW3/8-1/4		1/4		13.0	43.2	26.0	3.3	19.6	17.4	5.0	14.6	50
PW3/8-5/16	3/8	5/16	17.5	14.5	43.3	29.0	4.3	19.6	18.7	7.0	16.6	50
PW1/2-5/16		5/16		14.5	48.0	29.0	3.3	22.0	18.7	6.4	18.4	25
PW1/2-3/8	1/2	3/8	21.0	17.5	50.8	35.0	4.5	22.0	20.2	7.0	26.2	25

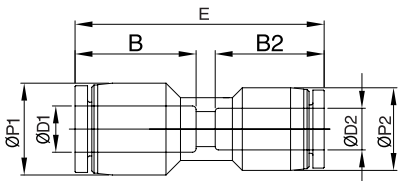


One -Touch Fittings



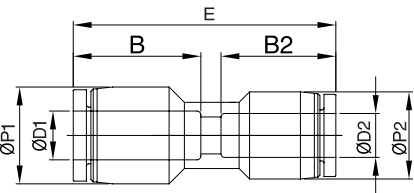
METRIC

MODEL	ØD1	ØD2	ØP1	ØP2	E	B1	E2	OFFICE	WEIGHT(g)	BOX(EA)
PG 06-04	6	4	12.5	10.5	36.6	17.6	16.3	3.0	5.5	100
PG 08-04	8	4	14.8	10.5	38.7	18.7	16.3	3.2	5.5	100
PG 08-06		6	14.8	12.5	37.6	18.7	17.6	4.0	7.4	100
PG 10-06	10	6	17.5	12.5	39.9	19.6	17.6	5.0	7.9	50
PG 10-08		8	17.5	14.8	41.0	19.6	18.7	6.5	8.9	50
PG 12-08	12	8	20.5	14.8	45.9	21.9	18.7	6.5	11.8	50
PG 12-10		10	20.5	17.5	44.0	21.9	19.6	8.0	13.3	50
PG 16-12	16	12	25.5	20.5	49.7	24.0	21.9	10.0	24.1	25



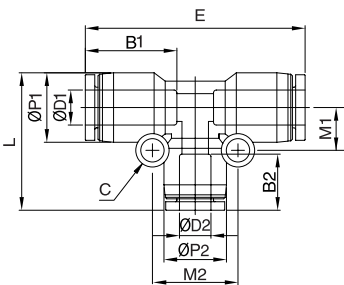
INCH

MODEL	ØD1	ØD2	ØP1	ØP2	E	B1	E2	OFFICE	WEIGHT(g)	BOX(EA)
PG 3/16-5/32	3/16	5/32	11.5	10.5	35.0	16.8	16.3	3.2	5.5	100
PG 1/4-5/32	1/4	5/32	13.0	10.5	35.6	17.4	16.3	3.2	5.5	100
PG 1/4-3/16		3/16	11.5	11.5	36.2	16.8	16.8	3.8	5.4	100
PG 5/16-5/32	5/16	5/32	10.5	38.7	16.3	3.2	5.5	50		
PG 5/16-1/4		1/4	14.5	13.0	38.1	18.7	17.4	5.0	7.4	50
PG 3/8-1/4	3/8	1/4	17.5	13.0	39.7	20.2	17.4	5.0	7.9	50
PG 3/8-5/16		5/16	14.5	41.0	18.7	7.0	10.9	50		
PG 1/2-3/8	1/2	3/8	21.0	17.5	45.3	22.0	20.2	8.0	16.2	25



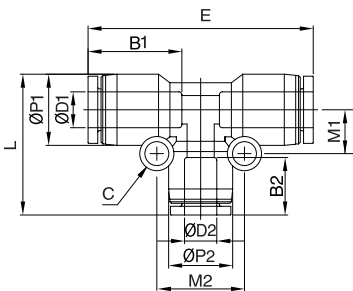
METRIC

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	E2	M1	M2	OFFICE	WEIGHT(g)	BOX(EA)
PGT 06-04	6	4	12.5	10.5	25.4	41.6	3.3	17.6	16.3	7.9	13.8	3.0	8.2	50
PGT 08-06	8	6	14.8	12.5	29.4	46.1	4.3	18.7	17.6	9.7	17.0	5.0	11.1	50
PGT 10-06	10	6	17.5	12.5	31.9	49.2	4.3	19.6	17.6	10.9	16.8	5.0	14.1	50
PGT 10-08		8	17.5	14.8	33.5	49.2			18.7	18.8	18.8	6.5	15.1	50
PGT 12-08	12	8	20.5	14.8	35.8	56.0	4.3	21.9	18.7	12.4	18.8	7.0	20.9	25
PGT 12-10		10	20.5	17.5	37.6	56.0			19.6	21.9	21.9	8.0	25.4	25
PGT 16-10	16	10	25.5	17.5	43.1	60.8	4.3	24.0	19.6	15.9	22.8	8.0	40.2	15
PGT 16-12		12	25.5	20.5	45.5	63.7			21.9	25.8	25.8	10.0	44.1	15



INCH

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	E2	M1	M2	OFFICE	WEIGHT(g)	BOX(EA)
PGT1/4-5/32	1/4	5/32	13.0	10.5	26.6	40.6	4.3	17.6	16.3	8.3	14.5	3.2	8.2	50
PGT5/16-1/4	5/16	1/4	14.5	13.0	28.4	43.2	4.5	18.7	17.6	9.7	17.5	5.0	11.1	50
PGT3/8-1/4	3/8	1/4	17.5	13.0	32.2	48.6	4.5	20.2	17.6	11.0	17.5	5.0	17.1	50
PGT3/8-5/16	3/8	5/16	17.5	14.5	33.5	50.6	4.5	20.2	18.7	10.9	18.8	6.5	18.1	50
PGT1/2-3/8	1/2	3/8	21.0	17.5	36.8	58.5	4.5	22.0	20.2	12.8	22.0	8.0	25.2	25

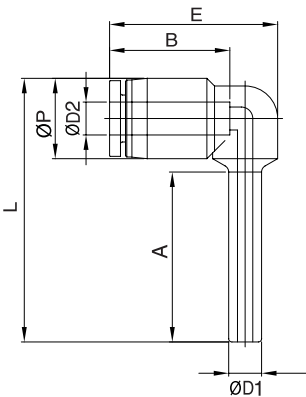


One -Touch Fittings



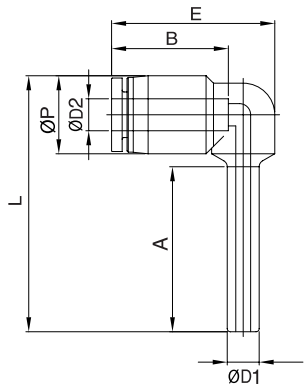
METRIC

MODEL	ØD1	ØD2	ØP	L	E	A	B	OFFICE	WEIGHT(g)	BOX(EA)
PLJ04	4	4	10.5	28.4	18.8	22.0	16.3	2.0	2.8	100
PLJ06	6	6	12.5	31.4	20.3	24.0	17.6	4.0	4.7	50
PLJ08	8	8	14.8	34.3	23.0	26.0	18.7	6.0	5.7	50
PLJ10	10	10	17.5	37.9	24.2	28.0	19.6	7.0	8.2	50
PLJ12	12	12	20.5	41.4	28.0	30.0	21.9	9.0	13.1	25
PLJ16	16	16	25.5	48.5	32.0	35.0	24.0	12.0	34.0	20
PLJ06-04	6	4	12.5	43.8	18.8	25.0	17.6	2.0	4.0	50
PLJ08-06	8	6	14.8	47.8	20.3	26.0	18.7	4.0	6.1	50
PLJ10-08	10	8	17.5	52.4	23.0	28.0	19.6	6.0	7.7	50
PLJ12-10	12	10	20.5	56.8	24.2	30.0	21.9	7.0	11.2	25



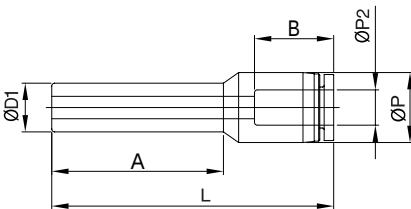
INCH

MODEL	ØD1	ØD2	ØP	L	E	A	B	OFFICE	WEIGHT(g)	BOX(EA)
PLJ 5/32	5/32	5/32	10.5	33.7	18.7	22.0	16.7	2.0	4.8	100
PLJ 3/16	3/16	3/16	11.5	43.3	19.2	24.0	16.9	2.6	4.7	50
PLJ 1/4	1/4	1/4	13.0	47.5	20.5	25.0	17.4	4.2	6.7	50
PLJ 5/16	5/16	5/16	14.5	41.5	23.1	26.0	19.1	6.0	7.7	50
PLJ 3/8	3/8	3/8	17.5	54.6	23.8	28.0	19.8	7.0	14.2	50
PLJ 1/2	1/2	1/2	21.0	62.0	28.3	30.0	23.0	9.0	19.0	25
PLJ 1/4-5/32	1/4	5/32	10.5	43.8	18.7	25.0	16.7	2.0	5.8	50
PLJ 5/16-1/4	5/16	1/4	13.0	48.5	20.5	26.0	17.4	4.2	7.7	50
PLJ 3/8-1/4	3/8	1/4	13.0	50.5	20.5	28.0	17.4	4.2	14.7	50
PLJ 3/8-5/16	3/8	5/16	14.5	54.3	23.1	28.0	19.1	6.0	15.7	25



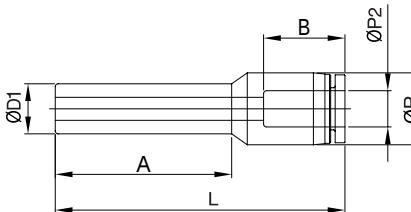
METRIC

MODEL	ØD1	ØD2	ØP	L	A	B	OFFICE	WEIGHT(g)	BOX(EA)
PGJ 06-04	06	4	10.5	41.0	21.7	16.3	3.0	2.8	100
PGJ 08-04	08	4	10.5	42.0	22.7	16.3	3.0	3.8	100
PGJ 08-06		6	12.5	44.3	23.7	17.6	4.8	4.7	100
PGJ 10-06	10	6	12.5	47.3	28.7	17.6	6.0	4.7	50
PGJ 10-08		8	14.8	49.7	27.7	18.7	6.8	5.7	50
PGJ 12-06	12	6	12.5	50.2	33.8	17.6	4.8	5.7	50
PGJ 12-08		8	14.8	52.5	30.7	18.7	8.0	6.7	50
PGJ 12-10		10	17.5	56.5	31.2	19.6	8.0	9.2	50

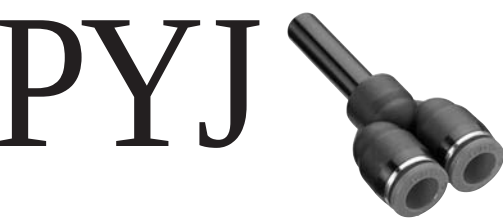


INCH

MODEL	ØD1	ØD2	ØP	L	A	B	OFFICE	WEIGHT(g)	BOX(EA)
PGJ 1/8-1/4	1/8	1/4	13.0	35.8	16.5	17.4	1.3	2.7	100
PGJ 5/32-1/8	5/32	1/8	7.6	31.7	18.5	11.3	2.0	3.0	100
PGJ 5/32-1/4		1/4	13.0	37.8	18.5	17.4	2.0	2.7	100
PGJ 1/4-1/8	1/4	1/8	7.6	31.7	20.9	11.3	2.5	4.0	100
PGJ 1/4-5/32		5/32	10.5	40.4	23.5	16.3	3.4	3.8	100
PGJ 5/16-5/32	5/16	5/32	10.5	42.9	26.0	16.3	5.0	4.8	100
PGJ 5/16-1/4		1/4	13.0	48.0	29.7	17.4	4.0	4.7	100
PGJ 3/8-1/4	3/8	1/4	13.0	48.0	31.3	17.4	5.6	4.7	50
PGJ 3/8-5/16		5/16	14.5	44.7	25.0	18.7	6.5	5.7	50
PGJ 1/2-1/4	1/2	1/4	13.0	48.3	30.9	17.4	5.7	5.7	50
PGJ 1/2-5/16		5/16	14.5	48.5	33.2	18.7	7.0	6.7	50
PGJ 1/2-3/8		3/8	17.5	51.8	31.8	20.2	8.0	6.2	50

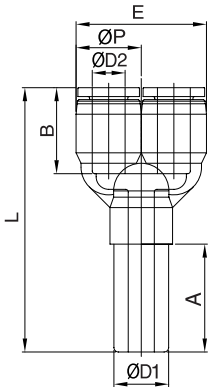


One -Touch Fittings



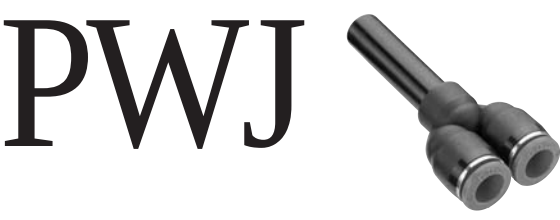
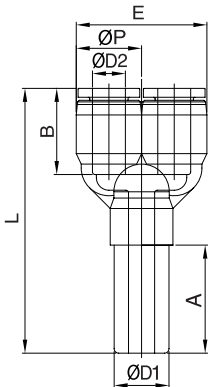
METRIC

MODEL	ØD1	ØD2	ØP	L	E	A	B	OFFICE	WEIGHT(g)	BOX(EA.)
PYJ 04	4	4	10.5	49.5	21.0	22.0	16.8	2.6	6.6	100
PYJ 06	6	6	12.5	54.7	25.0	24.0	17.6	4.0	8.4	50
PYJ 08	8	8	14.5	59.8	29.0	26.0	18.7	5.6	12.4	50
PYJ 10	10	10	17.5	66.1	35.0	28.0	19.6	7.0	18.4	25
PYJ 12	12	12	20.5	71.6	41.0	30.0	21.9	9.0	24.2	25



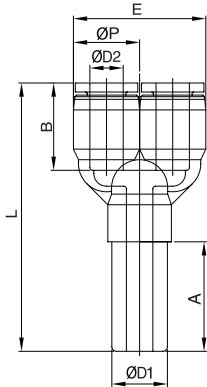
INCH

MODEL	ØD1	ØD2	ØP	L	E	A	B	OFFICE	WEIGHT(g)	BOX(EA.)
PYJ5/32	5/32	5/32	10.5	54.2	21.0	24.0	16.3	2.6	9.6	100
PYJ3/16	3/16	3/16	11.5	57.9	23.0	24.0	16.8	2.6	9.4	100
PYJ1/4	1/4	1/4	13.0	60.9	29.0	25.0	17.4	4.0	14.4	50
PYJ5/16	5/16	5/16	14.5	60.5	29.0	26.0	18.7	5.6	22.4	50
PYJ3/8	3/8	3/8	17.5	68.5	35.0	28.0	20.2	7.0	38.4	25
PYJ1/2	1/2	1/2	21.0	80.6	41.0	30.0	22.0	7.0	48.0	20



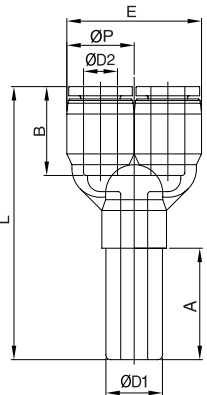
METRIC

MODEL	ØA	ØD	ØP	L	E	A	B	OFFICE	WEIGHT(g)	BOX(EA.)
PWJ 06-04	6	4	10.5	51.5	21.0	24.0	17.6	4.0	6.6	100
PWJ 08-06	8	6	12.5	56.7	25.0	26.0	18.7	5.6	9.4	50
PWJ 10-08	10	8	14.5	61.8	29.0	28.0	19.6	7.0	12.4	50
PWJ 12-10	12	10	17.5	68.1	35.0	30.0	21.9	9.0	19.4	25

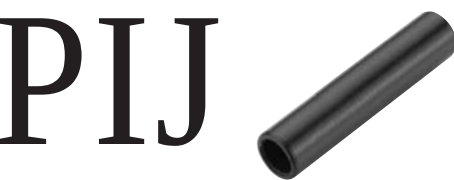


INCH

MODEL	ØA	ØD	ØP	L	E	A	B	OFFICE	WEIGHT(g)	BOX(EA.)
PWJ1/4-5/32	1/4	5/32	10.5	55.2	21.0	25.0	16.3	3.0	14.6	100
PWJ5/16-1/4	5/16	1/4	13.0	61.9	29.0	26.3	17.4	5.0	22.4	50
PWJ3/8-1/4	3/8	1/4	13.0	64.2	35.0	28.0	17.4	5.0	39.4	50
PWJ3/8-5/16	3/8	5/16	14.5	62.8	35.0	28.0	18.7	6.0	39.4	50

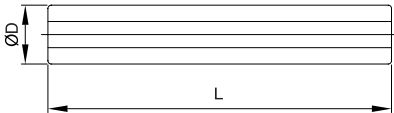


One -Touch Fittings



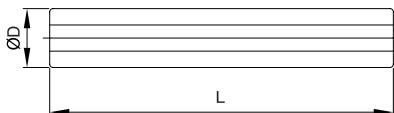
METRIC

MODEL	ØD	L	OFFICE	WEIGHT(g)	BOX(EA.)
PIJ 04	4	37.0	2.5	1.0	100
PIJ 06	6	39.0	3.5	1.0	100
PIJ 08	8	41.0	5.0	2.0	100
PIJ 10	10	44.0	7.0	3.0	100
PIJ 12	12	49.0	8.5	4.0	50
PIJ 16	16	53.2	11.8	6.8	50



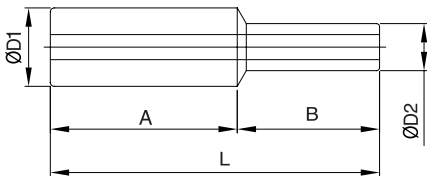
INCH

MODEL	ØD	L	OFFICE	WEIGHT(g)	BOX(EA.)
PIJ 5/32	5/32	36.0	2.5	1.0	100
PIJ 3/16	3/16	38.0	2.8	1.0	100
PIJ 1/4	1/4	40.0	3.5	1.0	100
PIJ 5/16	5/16	42.0	5.0	2.0	100
PIJ 3/8	3/8	45.0	7.0	3.0	100
PIJ 1/2	1/2	45.0	9.2	4.0	50



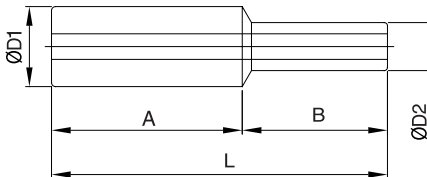
METRIC

MODEL	ØD1	ØD2	L	A	B	OFFICE	WEIGHT(g)	BOX(EA.)
PIG 06-04	6	4	38.0	20.0	18.0	2.0	1.0	100
PIG 08-04	8	4	40.0	21.0	19.0	2.0	1.0	100
PIG 08-06		6	41.5		20.5	3.5	2.0	100
PIG 10-06	10	6	42.5	22.0	20.5	3.5	2.0	100
PIG 10-08		8	43.5		21.5	5.0	3.0	100
PIG 12-08	12	8	45.5	24.0	21.5	5.0	3.0	100
PIG 12-10		10	46.5		22.5	6.8	3.0	100
PIG 16-12	16	12	52.0	27.0	25.0	8.5	6.0	50



INCH

MODEL	ØD1	ØD2	L	A	B	OFFICE	WEIGHT(g)	BOX(EA.)
PIG 3/16-5/32	3/16	5/32	40.0	20.0	20.0	2.0	1.0	100
PIG 1/4-5/32	1/4	5/32	41.0	21.0	20.0	2.0	1.0	100
PIG 1/4-3/16		3/16	41.0		20.0	2.8	1.0	100
PIG 5/16-1/4	5/16	1/4	43.0	22.0	21.0	4.0	2.0	100
PIG 3/8-1/4	3/8	1/4	44.0	23.0	21.0	4.0	3.0	100
PIG 3/8-5/16		5/16	45.0		22.0	5.0	3.0	100
PIG 1/2-3/8	1/2	3/8	48.0	25.0	23.0	6.5	4.0	100

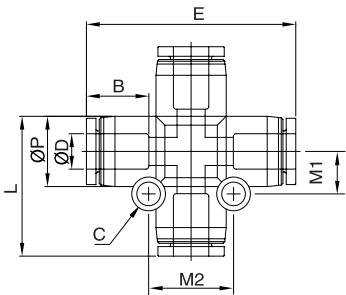


One -Touch Fittings



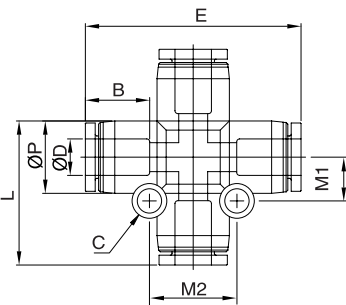
METRIC

MODEL	ØD	ØP	L	E	C	B	M1	M2	ORFICE	WEIGHT(g)	BOX(EA.)
PZA 04	4	10.5	37.9	36.6	3.3	16.8	6.4	12.8	2.6	8.2	50
PZA 06	6	12.5	42.5	41.8	4.3	17.6	7.5	14.9	4.5	10.8	50
PZA 08	8	14.8	46.8	44.9	4.3	18.7	9.1	18.2	6.0	15.8	25
PZA 10	10	17.5	50.5	48.2	4.3	19.6	10.2	20.3	7.4	20.8	25
PZA 12	12	20.5	57.2	54.8	4.3	21.9	11.9	23.7	9.0	33.4	20



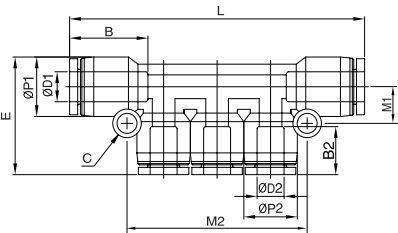
INCH

MODEL	ØD	ØP	L	E	C	B	M1	M2	ORFICE	WEIGHT(g)	BOX(EA.)
PZA5/32	5/32	10.5	37.9	36.6	3.3	16.3	6.4	12.8	2.6	8.2	50
PZA3/16	3/16	11.5	39.2	39.2	3.3	16.8	7.5	15.0	3.5	7.8	50
PZA1/4	1/4	13.0	42.6	42.6	3.3	17.4	8.3	16.5	5.0	10.8	50
PZA5/16	5/16	14.5	46.8	44.9	4.3	18.7	9.1	18.2	6.0	15.8	25
PZA3/8	3/8	17.5	50.5	48.2	4.3	20.2	10.2	20.3	7.0	26.8	25
PZA1/2	1/2	21.0	60.5	60.5	4.3	22.0	12.8	25.5	9.0	37.0	20



METRIC

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	E2	M1	M2	ORFICE	WEIGHT(g)	BOX(EA.)
PKG 06-04	6	4	12.5	10.5	63.7	24.2	3.3	17.6	16.3	7.6	34.0	3.0	12.8	25
PKG 08-04	8	4	14.8	10.5	65.7	28.5	4.3	18.7	16.3	9.2	34.8	3.0	14.8	25
PKG 08-06	8	6	14.8	12.5	71.7	30.0	4.3	18.7	17.6	9.3	41.1	4.0	17.5	25
PKG 10-06	10	6	17.5	12.5	78.1	32.0	4.3	19.6	17.6	9.5	41.7	4.0	22.5	20
PKG 10-08	10	8	17.5	14.8	83.4	34.5	4.3	19.6	18.7	8.5	47.0	6.5	26.5	20



INCH

MODEL	ØD1	ØD2	ØP1	ØP2	L	E	C	B1	E2	M1	M2	ORFICE	WEIGHT(g)	BOX(EA.)
PKG 3/16-5/32	3/16	5/32	11.5	10.5	60.5	26.3	4.5	16.8	16.3	7.6	34.0	3.2	24.1	25
PKG 1/4-5/32	1/4	5/32	13.0	10.5	61.6	26.6	4.5	17.4	16.3	8.8	36.0	3.2	24.1	25
PKG 5/16-5/32		5/32		10.5	65.6	28.2	4.3		16.3	9.2	34.8	3.2	49.1	25
PKG 5/16-3/16	5/16	3/16	14.5	11.5	68.7	28.9	4.5	18.7	16.8	9.3	41.1	4.0	48.8	25
PKG 5/16-1/4		1/4		13.0	71.9	30.0	4.5		17.4	9.7	43.5	5.0	48.8	25
PKG 3/8-1/4	3/8	1/4	17.5	13.0	74.2	32.2	4.5	20.2	17.4	11.0	43.5	5.0	53.3	20
PKG 3/8-5/16		5/16		14.5	83.6	34.5	4.3		18.7	8.5	47.0	6.6	53.3	20

