

Applications

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

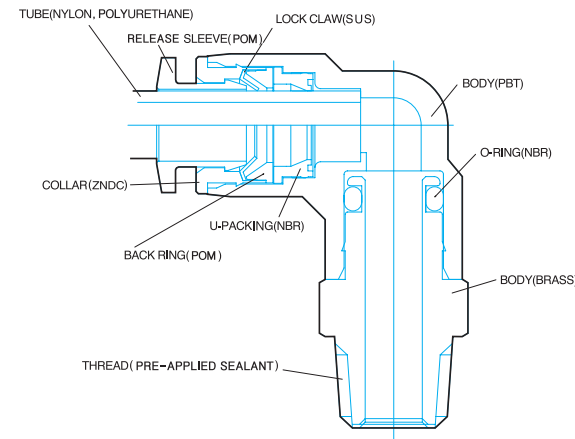
Features

- 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



Conversion

kgf/cm ²	bar	Pa(N/m ²)	atm	mHg	lbf/in ²
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.

Product Code System

METRIC - BSPT(R)

PC 06-01-N

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

INCH - BSPT(R)

PC-1/4-01

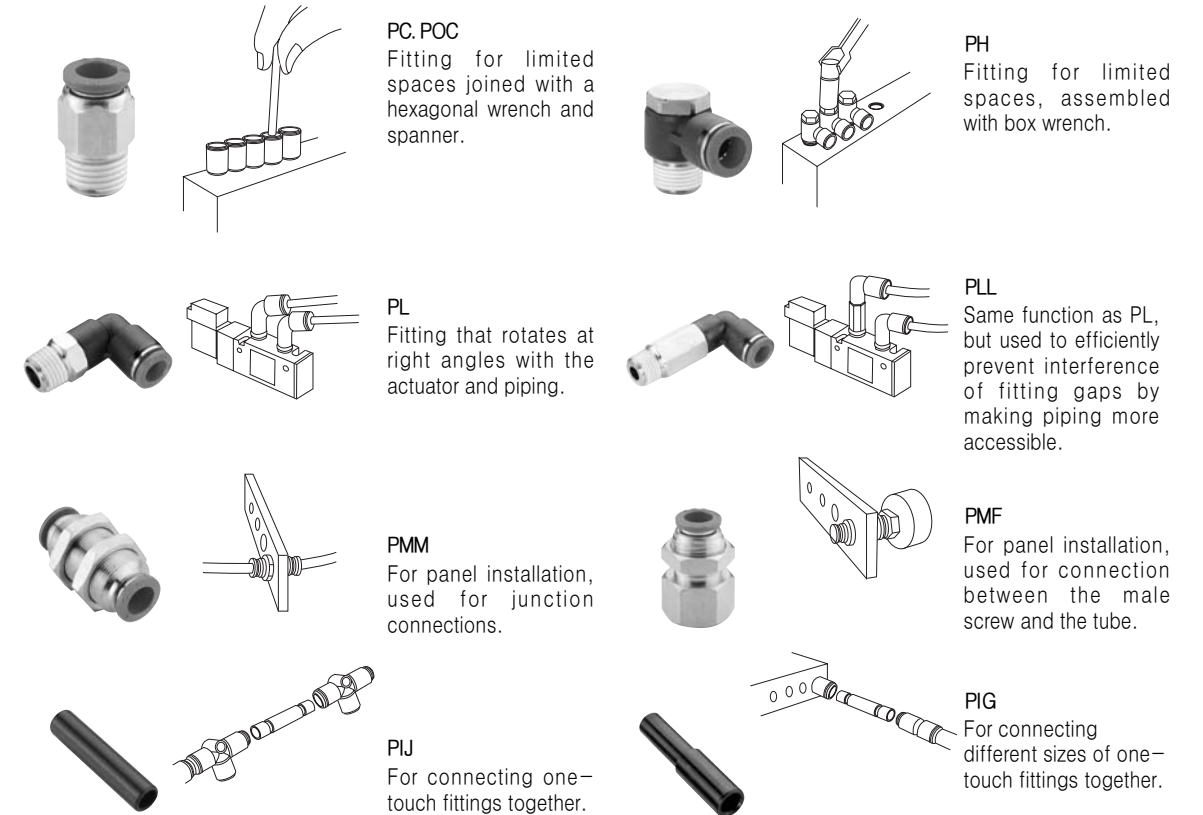
OneTouch Fitting	Tube Dia		Thread Size	
	CODE	SIZE	R(P/T) THREAD	
	5/32	Ø5/32	01	R1/8
	3/16	Ø3/16	02	R1/4
	1/4	Ø1/4	03	R3/8
	5/16	Ø5/16	04	R1/2
	3/8	Ø3/8		
	1/2	Ø1/2		

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		
	N1		NPT1/8	
	N2		NPT1/4	
	N3		NPT3/8	
	N4		NPT1/2	

Form



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

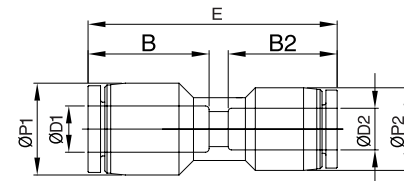
- Be sure to prevent pressure buildup due to twisting, pulling, and bending of the fitting product. This may cause product damage or air leakage.
- When the applied fluid is water, do not use the product if it does not meet all specifications. Fitting damage, tube release, and compressed air leakage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

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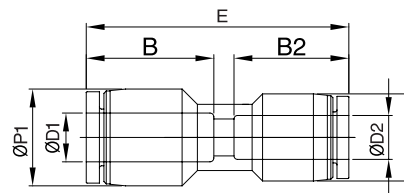
METRIC

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	36.2	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	20.2	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

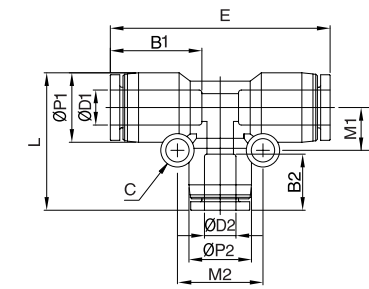


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METRIC

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	4.3	18.7	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	4.3	19.6	19.6	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	4.3	21.9	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

