

Applications

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

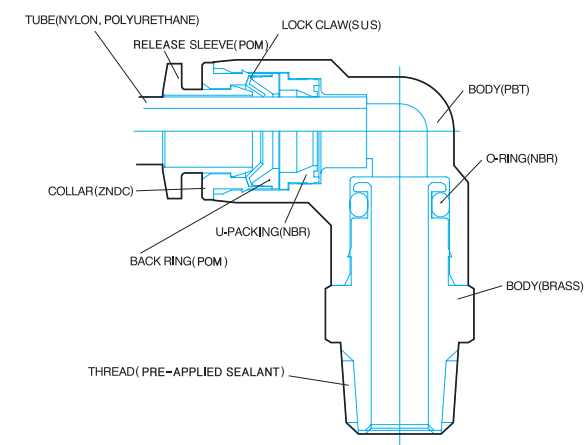
Features

- 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/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.

Product Code System

METRIC - BSPT(R)

PC 06-01-N

OneTouch Fitting

Tube Dia

CODE	SIZE
04	Ø4
06	Ø6
08	Ø8
10	Ø10
12	Ø12
16	Ø16

Thread Size

METRIC THREAD	
CODE	SIZE
M5	M5×0.8
M6	M6×1.0

R(PT) THREAD

CODE	SIZE
01	R1/8
02	R1/4
03	R3/8
04	R1/2

Plating

Nickel

Sleeve Color

Blue

METRIC - BSPP(G)

PC 06-G01

OneTouch Fitting

Tube Dia

CODE	SIZE
04	Ø4
06	Ø6
08	Ø8
10	Ø10
12	Ø12
16	Ø16

Thread Size

METRIC THREAD	
CODE	SIZE
M5	M5×0.8
M6	M6×1.0

G(PF) THREAD

CODE	SIZE
G01	G1/8
G02	G1/4
G03	G3/8
G04	G1/2

Sleeve Color

Blue

INCH - BSPT(R)

PC-1/4-01

OneTouch Fitting

Tube Dia

CODE	SIZE
5/32	Ø5/32
3/16	Ø3/16
1/4	Ø1/4
5/16	Ø5/16
3/8	Ø3/8
1/2	Ø1/2

Thread Size

R(PT) THREAD	
CODE	SIZE
01	R1/8
02	R1/4
03	R3/8
04	R1/2

INCH - NPT

PC-1/4-N1

OneTouch Fitting

Tube Dia

CODE	SIZE
5/32	Ø5/32
3/16	Ø3/16
1/4	Ø1/4
5/16	Ø5/16
3/8	Ø3/8
1/2	Ø1/2

Thread Size

UNF THREAD	
CODE	SIZE
U	10-32UNF

NPT THREAD

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

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

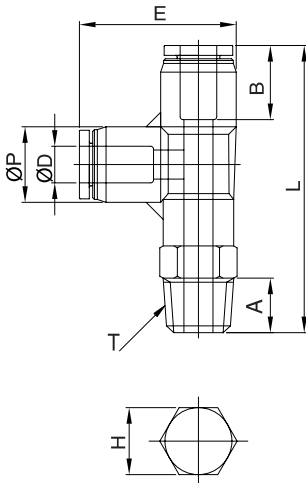
- Be sure to prevent pressure buildup due to twisting, pulling, and bending of the fitting product. This may cause product damage or air leakage.
- When the applied fluid is water, do not use the product if it does not meet all specifications. Fitting damage, tube release, and compressed air leakage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

PST



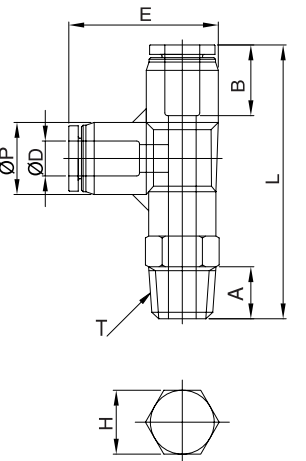
METRIC-BSPT(R)

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



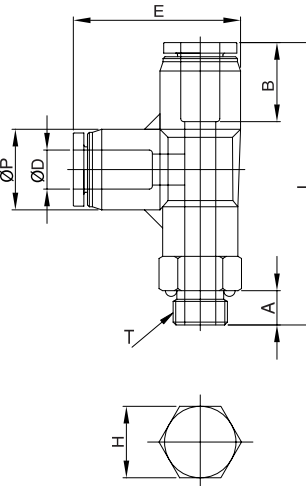
INCH-NPT

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	25.0	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



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-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

