

Product Range

Functional Explanation



ONE-TOUCH FITTING

- Push to connect fitting
- Commonly used for a whole range of pneumatic applications
- No tools needed
- Fast Installation & Quick Disconnection

ONE-TOUCH FITTINGS



COMPACT ONE-TOUCH FITTING

- Lightweight & Compact fitting
- Electroless nickel (ENI) plating type
- Suitable for small equipment & narrow space
- Fast installation & Quick Disconnection

COMPACT ONE-TOUCH FITTINGS



Safety Instruction Manual

- When installing a fitting, refer to table of recommended tightening torque
- The taper pipe thread is coated with Teflon, thus requiring no additional Teflon tape or sealing treatment.

(Table) Recommended Tightening Torque(Threads Size)

Thread type	Thread Size	Recommended torque(kgf·cm)
Metric Thread (mm)	M2×P0.5	0.7 Nm
	M3×P0.8	1.5 Nm
	M4×P1.0	2.3 Nm
Pipe Taper Thread (PT)	R 1/8	7 Nm
	R 1/4	12 Nm
	R 3/8	22 Nm
Unified Thread (UNF)	R 1/2	28 Nm
	No. 10-32 UNF	1.5 Nm
NPT Thread	NPT 1/8	7 Nm
	NPT 1/4	12 Nm
	NPT 3/8	22 Nm
	NPT 1/2	28 Nm
	G 1/8	10 Nm
PF Thread	G 1/8	15 Nm
	G 1/4	25 Nm
	G 3/8	40 Nm

Instructions for Fitting Installation

- Please check screw dimensions and thread size before use
- The taper pipe thread is coated with Teflon, thus requiring no additional Teflon tape or sealing treatment



(Image) Thread Size

Thread type	M Thread	R Thread	U Thread	NPT Thread
Thread Size (mm)	M2, M3, M4, M5, M6, M8, M10, M12, M16, M20, M25, M30, M36, M42, M48, M56, M64, M72, M80, M90, M100, M110, M125, M140, M160, M180, M200, M220, M250, M280, M315, M355, M400, M450, M500, M560, M630, M710, M800, M900, M1000	R 1/8, R 1/4, R 3/8, R 1/2, R 3/4, R 1, R 1 1/4, R 1 1/2, R 2, R 2 1/2, R 3, R 3 1/2, R 4, R 4 1/2, R 5, R 6, R 8, R 10, R 12, R 16, R 20, R 25, R 30, R 36, R 42, R 48, R 56, R 64, R 72, R 80, R 90, R 100, R 110, R 125, R 140, R 160, R 180, R 200, R 220, R 250, R 280, R 315, R 355, R 400, R 450, R 500, R 560, R 630, R 710, R 800, R 900, R 1000	UNF 1/8, UNF 1/4, UNF 3/8, UNF 1/2, UNF 3/4, UNF 1, UNF 1 1/4, UNF 1 1/2, UNF 2, UNF 2 1/2, UNF 3, UNF 3 1/2, UNF 4, UNF 4 1/2, UNF 5, UNF 6, UNF 8, UNF 10, UNF 12, UNF 16, UNF 20, UNF 25, UNF 30, UNF 36, UNF 42, UNF 48, UNF 56, UNF 64, UNF 72, UNF 80, UNF 90, UNF 100, UNF 110, UNF 125, UNF 140, UNF 160, UNF 180, UNF 200, UNF 220, UNF 250, UNF 280, UNF 315, UNF 355, UNF 400, UNF 450, UNF 500, UNF 560, UNF 630, UNF 710, UNF 800, UNF 900, UNF 1000	NPT 1/8, NPT 1/4, NPT 3/8, NPT 1/2, NPT 3/4, NPT 1, NPT 1 1/4, NPT 1 1/2, NPT 2, NPT 2 1/2, NPT 3, NPT 3 1/2, NPT 4, NPT 4 1/2, NPT 5, NPT 6, NPT 8, NPT 10, NPT 12, NPT 16, NPT 20, NPT 25, NPT 30, NPT 36, NPT 42, NPT 48, NPT 56, NPT 64, NPT 72, NPT 80, NPT 90, NPT 100, NPT 110, NPT 125, NPT 140, NPT 160, NPT 180, NPT 200, NPT 220, NPT 250, NPT 280, NPT 315, NPT 355, NPT 400, NPT 450, NPT 500, NPT 560, NPT 630, NPT 710, NPT 800, NPT 900, NPT 1000
Thread Length (mm)	4, 6, 8, 10, 12, 16, 20, 25, 30, 36, 42, 48, 56, 64, 72, 80, 90, 100, 110, 125, 140, 160, 180, 200, 220, 250, 280, 315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000	4, 6, 8, 10, 12, 16, 20, 25, 30, 36, 42, 48, 56, 64, 72, 80, 90, 100, 110, 125, 140, 160, 180, 200, 220, 250, 280, 315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000	4, 6, 8, 10, 12, 16, 20, 25, 30, 36, 42, 48, 56, 64, 72, 80, 90, 100, 110, 125, 140, 160, 180, 200, 220, 250, 280, 315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000	4, 6, 8, 10, 12, 16, 20, 25, 30, 36, 42, 48, 56, 64, 72, 80, 90, 100, 110, 125, 140, 160, 180, 200, 220, 250, 280, 315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000

(Table) Metric Thread Specifications

Thread Code	Thread Size	Applicable product
M3	M3 × 0.5	(Applied to all products)
M5	M5 × 0.8	
M6	M6 × 1.0	

Instructions for Tube Insertion

Tube Insertion

- Make sure that the tube inserts fully into the fitting
- Make sure that the out and surface of the tube is a right angle without a scratch on the surface and deformations. Pull the tube lightly to check the complete installation.
- There is a risk of leakage when there is damage to the outside of the tube
- Check tube diameter to avoid tube damage.

Instructions for Tube Disconnection

- Make sure there is no air pressure inside of the tube before disconnection
- Push the release ring of the push-in fitting evenly and deeply enough to pull out the tube by hand
- Cut the compressed part of the tube before reuse

How to Insert Tube

- Preparation** prepare the tube, tube cutter, fitting connection device (spanner or monkey wrench)
- Tube cutting** cut the tube at a right angle axial and vertically using tube cutter
- Fitting installation** Tighten the fitting with the spanner or monkey referring recommended Tightening Torque
- Tube insertion** Insert the tube in a straight line into the fitting after marking the length of the tube insertion

Instructions for removing a fitting

- When removing a fitting, use proper tools to loosen
- Remove the sealant stuck on the mating equipment
- Please refer to the size of sleeve



(Image) X, Y size

(Table) The Size of Sleeve

Sleeve specification	Standard Type	Compact Type
X	φ4, φ6, φ8, φ10, φ12, φ14, φ16, φ18, φ20, φ22, φ25, φ28, φ30, φ32, φ36, φ40, φ45, φ50, φ56, φ63, φ71, φ80, φ90, φ100, φ110, φ125, φ140, φ160, φ180, φ200, φ220, φ250, φ280, φ315, φ355, φ400, φ450, φ500, φ560, φ630, φ710, φ800, φ900, φ1000	φ3, φ4, φ6, φ8, φ10, φ12, φ14, φ16, φ18, φ20, φ22, φ25, φ28, φ30, φ32, φ36, φ40, φ45, φ50, φ56, φ63, φ71, φ80, φ90, φ100, φ110, φ125, φ140, φ160, φ180, φ200, φ220, φ250, φ280, φ315, φ355, φ400, φ450, φ500, φ560, φ630, φ710, φ800, φ900, φ1000
Y	9.7, 11.8, 13.8, 16.6, 19.8, 22, 25.2, 28.2, 32, 36, 40, 45, 50, 56, 63, 71, 80, 90, 100, 110, 125, 140, 160, 180, 200, 220, 250, 280, 315, 355, 400, 450, 500, 560, 630, 710, 800, 900, 1000	9.2, 10.4, 12.4

The Size of Inch Sleeve Type

Sleeve specification	Standard Type						Compact Type		
	φ1/2	φ1/4	φ1/4	φ1/8	φ3/8	φ1/2	φ1/4	φ1/2	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

PAT(2)

Double Branch A



MODEL(ΦD-T)

Tube Metric - Thread R			Tube Metric - Thread G		
PAT 04-01(2)	PAT 06-04(2)	PAT 10-03(2)	PAT 04-G01(2)	PAT 06-G04(2)	PAT 10-G03(2)
PAT 04-02(2)	PAT 06-01(2)	PAT 10-04(2)	PAT 04-G02(2)	PAT 06-G01(2)	PAT 10-G04(2)
PAT 04-03(2)	PAT 06-02(2)	PAT 12-02(2)	PAT 04-G03(2)	PAT 06-G02(2)	PAT 12-G02(2)
PAT 04-04(2)	PAT 06-03(2)	PAT 12-03(2)	PAT 04-G04(2)	PAT 06-G03(2)	PAT 12-G03(2)
PAT 06-01(2)	PAT 06-04(2)	PAT 12-04(2)	PAT 06-G01(2)	PAT 06-G04(2)	PAT 12-G04(2)
PAT 06-02(2)	PAT 10-01(2)		PAT 06-G02(2)	PAT 10-G01(2)	
PAT 06-03(2)	PAT 10-02(2)		PAT 06-G03(2)	PAT 10-G02(2)	

PAT-G(2)

Double Branch A



PAT(3)

Triple Branch A



MODEL(ΦD-T)

Tube Metric - Thread R			Tube Metric - Thread G		
PAT 04-01(3)	PAT 06-04(3)	PAT 10-03(3)	PAT 04-G01(3)	PAT 06-G04(3)	PAT 10-G03(3)
PAT 04-02(3)	PAT 06-01(3)	PAT 10-04(3)	PAT 04-G02(3)	PAT 06-G01(3)	PAT 10-G04(3)
PAT 04-03(3)	PAT 06-02(3)	PAT 12-02(3)	PAT 04-G03(3)	PAT 06-G02(3)	PAT 12-G02(3)
PAT 04-04(3)	PAT 06-03(3)	PAT 12-03(3)	PAT 04-G04(3)	PAT 06-G03(3)	PAT 12-G03(3)
PAT 06-01(3)	PAT 06-04(3)	PAT 12-04(3)	PAT 06-G01(3)	PAT 06-G04(3)	PAT 12-G04(3)
PAT 06-02(3)	PAT 10-01(3)		PAT 06-G02(3)	PAT 10-G01(3)	
PAT 06-03(3)	PAT 10-02(3)		PAT 06-G03(3)	PAT 10-G02(3)	

PAT-G(3)

Triple Branch A



MPUC

Union Straight



MODEL(ΦD)

Tube Metric	Tube Inch
MPUC 04	PUC 1/32
MPUC 06	PUC 1/16
MPUC 08	PUC 1/8
MPUC 10	PUC 1/4
MPUC 12	PUC 3/8
MPUC 14	PUC 1/2
MPUC 16	

MPUL

Union Elbow



MODEL(ΦD)

Tube Metric	Tube Inch
MPUL 04	PUL 1/32
MPUL 06	PUL 1/16
MPUL 08	PUL 1/8
MPUL 10	PUL 1/4
MPUL 12	PUL 3/8
	PUL 1/2

MPUT

Union Tee



MODEL(ΦD)

Tube Metric	Tube Inch
MPUT 04	PUL 1/32
MPUT 06	PUL 1/16
MPUT 08	PUL 1/8
MPUT 10	PUL 1/4
MPUT 12	PUL 3/8
MPUT 14	PUL 1/2
MPUT 16	

MPY

Union Y



MODEL(ΦD)

Tube Metric	Tube Inch
MPY 04	PY 1/32
MPY 06	PY 1/16
MPY 08	PY 1/8
MPY 10	PY 1/4
MPY 12	PY 3/8
MPY 16	PY 1/2

MPW

Reducer Y



MODEL(ΦD1-ΦD2)

Tube Metric	Tube Inch
MPW 0604	PW 1/32 - 1/32
MPW 0606	PW 1/16 - 1/16
MPW 0608	PW 1/8 - 1/8
MPW 0610	PW 1/4 - 1/4
MPW 0612	PW 3/8 - 3/8
MPW 0616	PW 1/2 - 1/2
	PW 1/2 - 1/2

MPG

Reducer



MODEL(ΦD1-ΦD2)

Tube Metric	Tube Inch
MPG 0604	PG 1/32 - 1/32
MPG 0606	PG 1/16 - 1/16
MPG 0608	PG 1/8 - 1/8
MPG 0610	PG 1/4 - 1/4
MPG 0612	PG 3/8 - 3/8
MPG 0616	PG 1/2 - 1/2
MPG 1206	PG 3/8 - 1/4
MPG 1210	PG 3/8 - 1/8
MPG 1412	PG 1/2 - 3/8
MPG 1612	

PGT

Reducer Tee



MODEL(ΦD1-ΦD2)

Tube Metric	Tube Inch
PGT 0604	PGT 1/32 - 1/32
PGT 0606	PGT 1/16 - 1/16
PGT 0608	PGT 1/8 - 1/8
PGT 0610	PGT 1/4 - 1/4
PGT 0612	PGT 3/8 - 3/8
PGT 0616	PGT 1/2 - 1/2
PGT 1206	
PGT 1210	
PGT 1610	
PGT 1612	

PGT

Expander Tee



MODEL(ΦD1-ΦD2)

Tube Metric	Tube Inch
PGT 0406	PGT 1/32 - 1/16
PGT 0608	PGT 1/16 - 1/8
PGT 0810	PGT 1/8 - 1/4
PGT 1012	PGT 1/4 - 1/2

MPLJ

Plug-In Elbow



MODEL(ΦD)

Tube Metric	Tube Inch
MPLJ 04	PLJ 1/32
MPLJ 06	PLJ 1/16
MPLJ 08	PLJ 1/8
MPLJ 10	PLJ 1/4
MPLJ 12	PLJ 3/8
MPLJ 16	PLJ 1/2
MPLJ 0604	PLJ 1/2-1/4
MPLJ 0806	PLJ 1/4-3/32
MPLJ 1008	PLJ 5/16-1/4
MPLJ 1210	PLJ 3/8-1/4
	PLJ 1/2-3/8

PGJ

Plug-In Reducer



MODEL(ΦD1-ΦD2)

Tube Metric	Tube Inch
PGJ 0406	PGJ 1/32 - 1/16
PGJ 0604	PGJ 1/16 - 1/8
PGJ 0606	PGJ 1/8 - 1/4
PGJ 0608	PGJ 1/8 - 1/2
PGJ 0610	PGJ 1/4 - 1/2
PGJ 0612	PGJ 3/8 - 1/2
PGJ 0616	PGJ 1/2 - 3/4
PGJ 1006	PGJ 3/8 - 1/4
PGJ 1008	PGJ 3/8 - 3/16
PGJ 1206	PGJ 1/2 - 1/4
PGJ 1208	PGJ 1/2 - 3/8
PGJ 1210	PGJ 1/2 - 1/2
PGJ 1216	
PGJ 1612	

PYJ

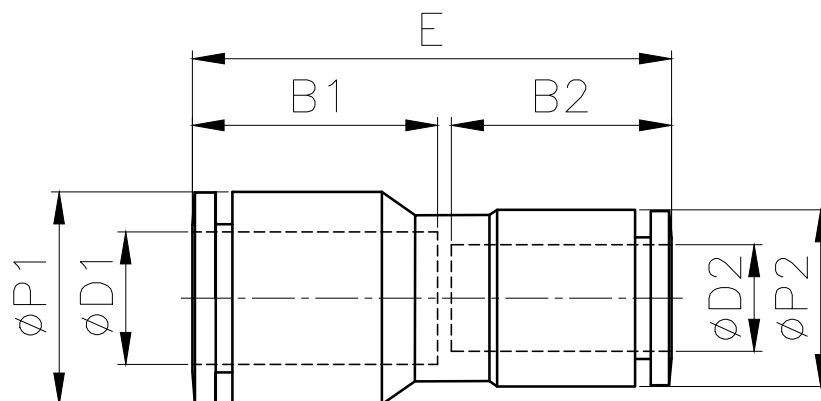
Plug-In Y



MODEL(ΦD)

Tube Metric	Tube Inch
PYJ 04	PYJ 1/32
PYJ 06	PYJ 1/16
PYJ 08	PYJ 1/8
PYJ 10	PYJ 1/4
PYJ 12	PYJ 3/8
	PYJ 1/2

MPG



MODEL	ØD1	ØD2	ØP1	ØP2	E	B1	B2	ORIFICE	WEIGHT (g)	BOX (ea)
MPG 0604	6	4	11.5	9.3	29.1	15.0	13.0	3.5	1.8	100
MPG 0804	8	4	13.6	9.3	32.4	16.9	13.0	3.5	2.3	100
MPG 0806	8	6	13.6	11.5	32.9	16.9	15.0	5.0	2.7	100
MPG 1006	10	6	16.4	11.5	35.0	18.9	15.0	5.0	3.7	50
MPG 1008	10	8	16.4	13.6	36.9	18.9	16.9	7.0	4.1	50
MPG 1208	12	8	19.5	13.6	40.1	21.4	16.9	7.0	5.7	50
MPG 1210	12	10	19.5	16.4	41.4	21.4	18.9	9.0	6.5	50