

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 1/2	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 5/8, UNF 3/4, UNF 7/8, 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	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4, 4 1/2, 5, 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	1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4, 4 1/2, 5, 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	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4, 4 1/2, 5, 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 cut end of the tube is at 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 axially 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

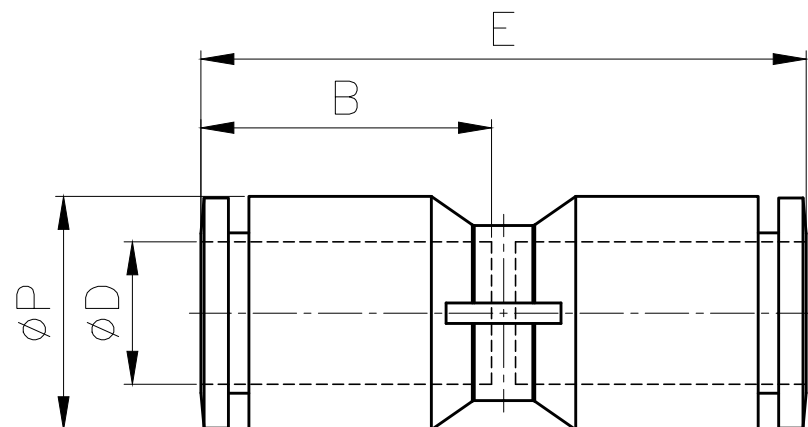
(Table) The Size of Sleeve

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	φ3/8	φ1/4	φ3/16	φ3/8	φ1/2	φ1/8	φ3/16	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

MPUC



MODEL	$\varnothing D$	$\varnothing P$	B	E	ORIFICE	WEIGHT (g)	BOX (ea)
MPUC 04	4	9.3	13.0	27.0	3.5	1.5	100
MPUC 06	6	11.5	15.0	31.2	5.0	2.4	100
MPUC 08	8	13.6	16.9	35.2	7.0	3.4	50
MPUC 10	10	16.4	18.9	39.6	9.0	5.4	50
MPUC 12	12	19.5	21.4	44.6	11.0	8.6	25
MPUC 16	16	25.2	22.7	48.8	13.0	15.6	—