



Pneumatic Accessories

Not the most important thing, but in any conditions, these pneumatic accessories especially tubing and fittings are necessary in an automation system! Pneumatic accessories keep their function to connect different parts, to transfer the pressure power or to lower the noise from the pneumatic system, so that the pneumatic systems can work smoothly and noiselessly.

E·MC has a wide range of pneumatic accessories for different applications, we have different kinds of plastic push in fittings, metal push in fittings, pneumatic connectors, PU tubing, PA tubing, silencers, pressure gauges, air guns, gas springs, pressure switch and so on. E·MC is a reliable supplier for top OEMs globally, and branding for some top brands in different countries. All of them are satisfied with EMC high quality products and great service.

» Injection Molding Machine

Manufacturing and Facilities

Create distinguished product with E.MC glory under solid technology, technique and quality consciousness among all E.MC staff. As E.MC's brand image position, fulfillment of customer satisfaction and product practical application rely on the combination of our modern facilities and advanced technique.



Production Capacity
» **Machining**

Raw Material & Technology

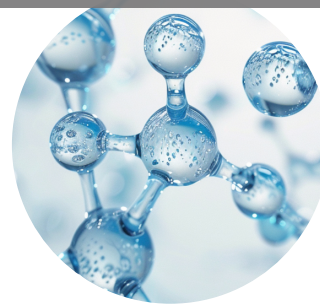
Truthful Brass



Excellent Plastic



Best Fluorine

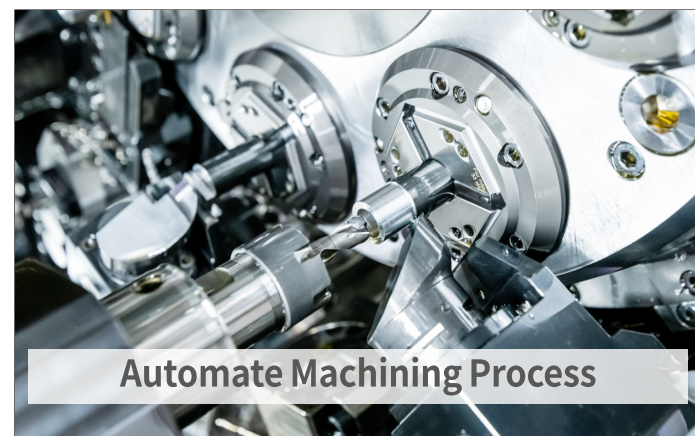
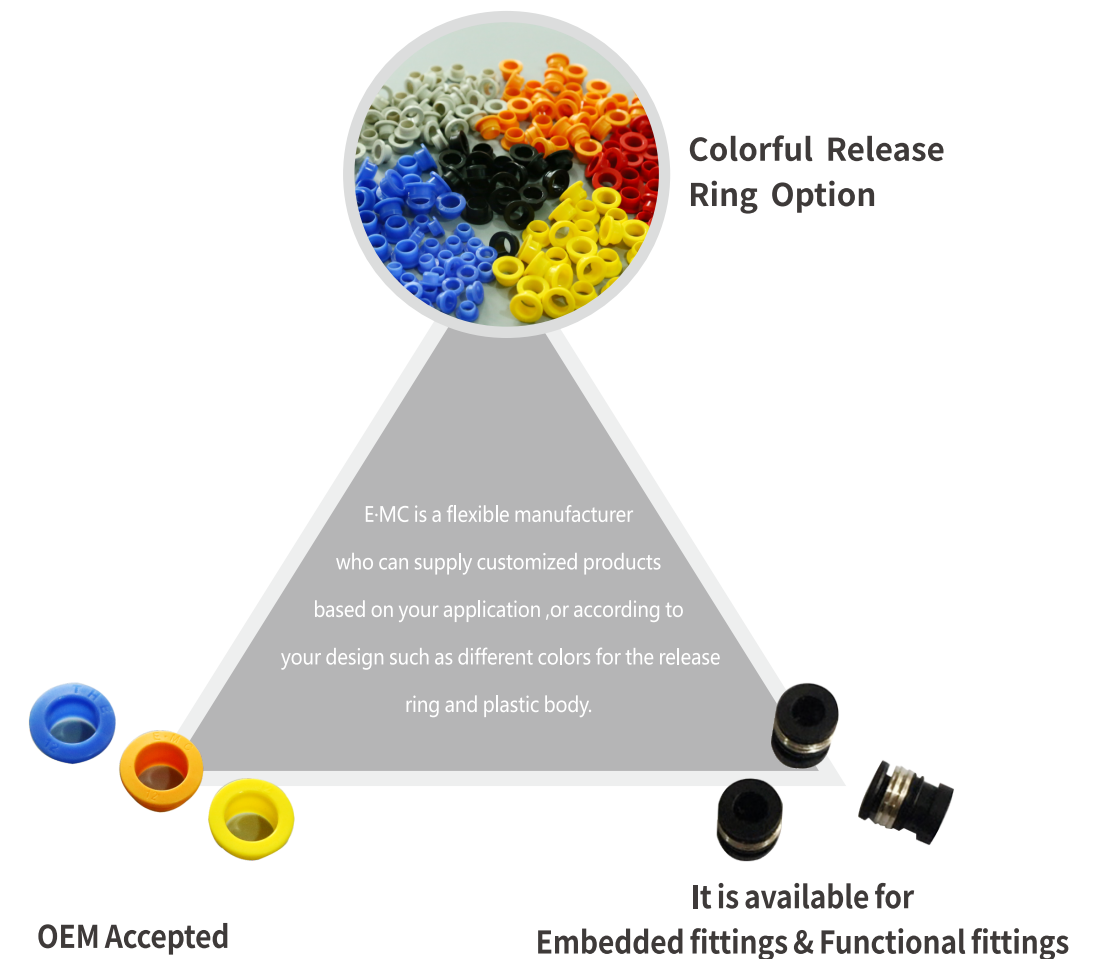


» Quality Guarantee

Comprehensive and Sustainable inspection system aiming to virtual quality.

E.MC realize high efficiency manufacturing through lean production and innovation in sectors including planning, technique, production-site, materials, facilities and inspection and insist on customer request orientation to establish the manufacturing process planning & management system.

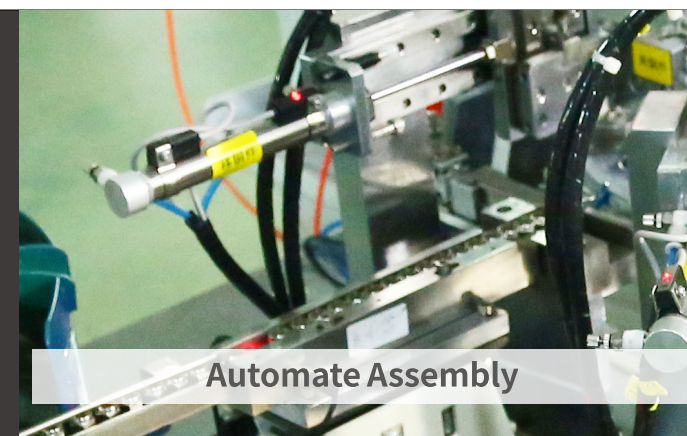
Customized & Flexible Service



Automate Machining Process



Automated Fluorine Coating Process



Automate Assembly



Subjected to rigorous factory testing

Please read carefully the important notes listed below before using.

Warning

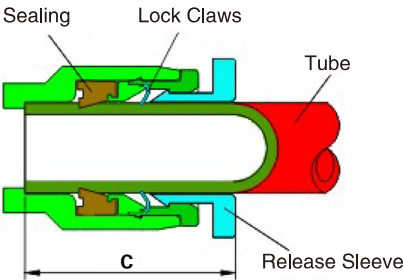
- 1.Except air and water(Tap water can be used. Consult with E•MC for using other kind of water), never attempt to use the tube fitting in other fluids.
- 2.The tube fitting application is prohibited where spark and fire might be occurred.
- 3.The tube fitting application is prohibited if water temperature is above 60℃ because resin might be decomposed and damaged in water under a high temperature.
- 4.The tube fitting is not designed for application where there is static charge.
- 5.Never apply tube fitting with additional external load (bending, twist or pulling), otherwise damage or leakage will be occurred.

Caution

- 1.If you use other supplier tubing, the different tubing tolerance might cause leakage or incorrect connection and disassembly. It must check if tubing OD is in compliance with the specification as listed in following table

Tubing outer diameter tolerance					
Size	Nylon Tube	Polyurethane Tube	Size	Nylon Tube	Polyurethane Tube
φ 3mm	±0.08	±0.08	φ 1/8	±0.08	±0.08
φ 4mm	±0.1	±0.1	φ 5/32	±0.1	±0.1
φ 6mm	±0.1	±0.1	φ 3/16	±0.1	±0.1
φ 8mm	±0.1	±0.1	φ 1/4	±0.1	±0.1
φ 10mm	±0.15	±0.1	φ 5/16	±0.1	±0.1
φ 12mm	±0.15	±0.1	φ 3/8	±0.15	±0.1
φ 14mm	±0.15	±0.1	φ 1/2	±0.15	±0.1
φ 16mm	±0.15	±0.1			

- 2.Always check the end of tubing for a right angle cutting and check the external surface of tubing for any damage or scratch. Please refer to following instruction in connection of tubing. When you insert the air tubing into the fitting, you will have two–step feeling. Section One is locking claw ,while Section Two is sealing ring. You must insert the tube into Section Two. After connection of fitting and tubing, always try to pull tubing and ensure its firm connection.
The minimum insertion length of tubing is as listed, however, the tubing length tolerance as listed is necessary in practice.



Depth of Assembling tube with Fitting						
Tube Size	φ 4	φ 6	φ 8	φ 10	φ 12	φ 16
C(mm)	16	17	18.5	21	22.5	25
Tube Size	φ 5/32	φ 3/16	φ 1/4	φ 5/16	φ 3/8	φ 1/2
C(mm)	15.5	17	17.2	18.5	21	22.5

3.Cautions during disassembly of tubing

Before disconnection of tubing, always check tubing internal pressure at zero.
For disconnection of tubing, always press release sleeve heavily and then pull out tubing. If release sleeve is not pressed with enough force, it is hard to pull out tubing and external surface scratch might be resulted by locking claw, which is the cause of air leakage.
Don t swing or rotate tubing in disconnection otherwise groove might be resulted on the tubing surface by locking claw to prevent tubing from pulling. After disconnection the fittings , please clean the thread glue on the equipment , otherwise the thread glue will enter the equipment and cause damage.

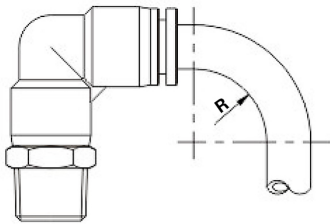
4.Always use proper tool to tighten external hexagonal and internal hexagonal parts of the tube fittings.

Always apply recommended torque on screws otherwise extra torque might damage thread and cause air leakage while insufficient torque might cause loose screws and air leakage.
After screws are tightened, you may adjust the direction of tubing with most of our tube fitting. If it is hard in adjustment, you may use recommended torque to turn screw to adjust direction of tubing.

Recommended Torque for Different Thread Specification

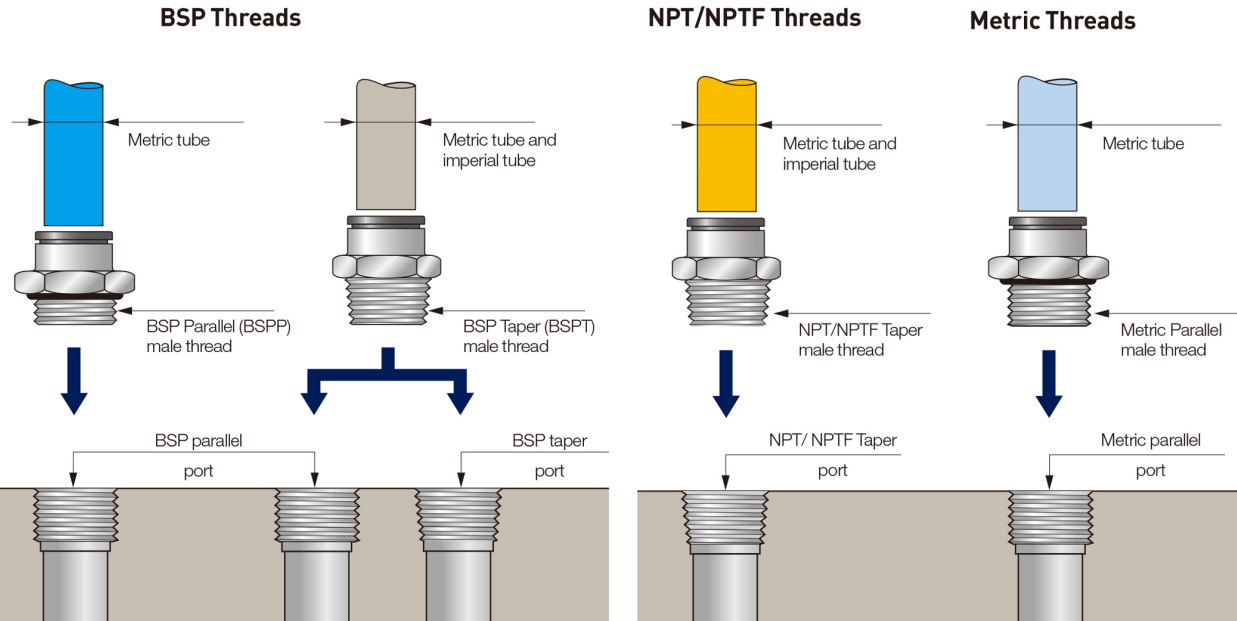
Thread Type	ThreadSpecification	Torque(kgf.cm)
Metric Thread	M3	7
	M5	15–19
	M6	20–27
R/Rc Thread	R/Rc 1/8	70–90
	R/Rc 1/4	120–140
	R/Rc 3/8	220–240
	R/Rc 1/2	280–300
Thread	NO.10–32 UNF	
	1/16	70–90
	1/8	70–90
	1/4	120–140
	3/8	220–240
	1/2	280–300

The Radius of Curvature for the tubing per Size



Tube Size(Metric)	Standard Type Fitting						
	φ 4	φ 6	φ 8	φ 10	φ 12	φ 14	φ 16
R	20	30	50	80	150	230	350

Tube Size(Inch)	Standard Type Fitting						
	φ 5/32	φ 3/16	φ 1/4	φ 5/16	φ 3/8	φ 1/2	
R	20	25	30	50	80	150	



○ **BSP Threads (British Standard Pipe)**

- There are two types of "Pipe" profile threads:
- Parallel (BSPP): these threads fit in matching parallel ports. Sealing is provided by an O-ring gasket or a sealing washer.
 - Taper (BSPT): these threads fit in matching parallel or taper ports. Sealing is provided by a pre-coating on the thread.

Thread designation

- **BSP Parallel (BSPP):**
G followed by the denomination, according to standard ISO228-1.
Example: 1/8 BSP parallel thread = G1/8
- **BSP Taper (BSPT):**
R followed by the denomination, according to standard ISO7-1.
Example: 1/8 BSP taper (BSPP) thread = R1/8
- **Female threads:**
BSP parallel: G followed by the designation
BSP taper: R followed by the designation

○ **NPT Threads (National Pipe Thread)**

This is an American standard taper thread which fits into the matching taper port. Sealing is provided by a pre-coating on the thread.
Example: 1/8 NPT thread = 1/8 NPT

○ **NPTF Threads (National Pipe Thread Fuel)**

This is an American standard taper thread which fits into the same taperport with no additional sealing or into a taper port with a sealant.

○ **Metric Threads**

These ISO-profile threads are parallel and are fit into the matching parallel port. Sealing is provided by an O-ring or a sealing washer.

○ **Metric Threads**

These ISO-profile threads are parallel and are fit into the matching parallel port. Sealing is provided by an O-ring or a sealing washer.

Thread designation

- M depending on the diameter and pitch in millimetres, separated by a multiplication sign, in accordance with standards ISO 68-1 and ISO 965-1.
Example: metric thread diameter 7 with a pitch of 1 mm = M7x1

○ **Tube Type and Size**

Metric Tube													
CodeTube	4	5	6	7	8	9	10	11	12	13	14	15	16
Outer Dia.(mm)	φ 4	φ 5	φ 6	φ 7	φ 8	φ 9	φ 10	φ 11	φ 12	φ 13	φ 14	φ 15	φ 16

Inch Tube						
Code	5/32	3/16	1/4	5/16	3/8	1/2
Tube Outer Dia.(inch)	φ 5/32	φ 3/16	φ 1/4	φ 5/16	φ 3/8	φ 1/2
Size(mm)	3.97	4.76	6.35	7.94	9.53	12.7

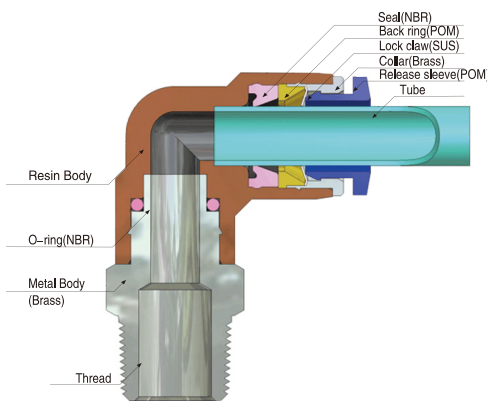
○ **Thread Type and Size**

Metric Thread									
Code	M5	M6	M8	M10	M12	M12A	M14	M16	M20
Thread	M5*0.8	M6*1	M8*1	M10*1	M12*1.25	M12*1.5	M14*1.5	M16*1.5	M20*1.5

55° Taper Pipe Thread (BSPT/R/Rc)						55° Parallel Pipe Thread (BSPP/G)				
Code	01G	02G	03G	04G	06G	01P	02P	03P	04P	06P
Thread	R1/8	R1/4	R3/8	R1/2	R3/4	PT1/8	PT1/4	PT3/8	PT1/2	PT3/4

60° America Standard Taper Pipe Thread						
Code	10-32	01T	02T	03T	04T	06T
Thread	10-32UNF	NPT1/8	NPT1/4	NPT3/8	NPT1/2	NPT3/4

○ **Internal Structure**



○ **Application**

One-touch tube fitting is for the application of air pressure tubing. However, it applies to other application depend upon the user condition.

○ **Feature**

1. Quick installation, simple and flexible, space-saving.
2. The tube fitting comes in a wide variety of models to meet all your needs in pneumatic piping.
3. Even after installation, the direction of tubing can be changed freely.
4. All taper pipe threads are pre-coated with Teflon and G thread with O-ring.
5. All fittings are equipped with the internal hexagonal holes. It is easy for them to be mounted in the narrow places.
6. Nickel-plated metallic ensures anti-contamination for an extended working life.
7. Metric and imperial are available.

○ **Specifications**

Working medium	Air, Vacuum
Working pressure (MPa)	0~0.8
Guaranteed pressure (MPa)	1.2
Working temperature (°C)	0~60
Tube material	Nylon / PU tube

One Touch-in Fitting

How to Order?

Series No.	Type No.	O.D. of Tube	Port Size	Thread Type
Z : Grey body and Orange release sleeve E : Black body and Blue release sleeve A : white body and release sleeve B : Black	PC	Straight-through threaded fitting		
	POC	Round straight-through fitting		
	PCF	Internal threaded straight-through fitting		
	PL	L-shaped threaded two-way fitting		
	PLL	L-shaped extended threaded two-way fitting		
	PLN	L-shaped threaded two-way fitting		
	PLF	L-shaped internal threaded two-way fitting		
	PD	T-type branch threaded three-way fitting		
	PB	T-type threaded three-way fitting		
	PWT	Y-type threaded three-way fitting		
	PH	External hexagonal fitting		
	PHF	Series fitting		
	PM	Partition Straight-through		
	PPF	Air Plugs		
	PU	Straight-through		
	PG	Reduced-bore Straight-through		
	PV	L-type Two-way		
	PE	T-type Three-way		
	PEG	T-type Reduced-bore Three-way		
	PEW	T-type Reduced-bore Three-way		
	PY	Y-type Three-way		
	PW	Y-type Reduced-bore Three-way		
	PZA	Cross Four-way		
	PK	Five-way		
	PKG	Reduced-bore Five-way		
	PP	Plug		
	PIJ	Same diameter metal straight through plug		
	PGJ	Reduced diameter metal through-rod fittings		
	PLJ	Rod Right-angle		
	PLK	L-Shaped Insertion Fitting		

Metric Tubing	Inch Tubing
04: 4mm	5/32: 5/32"
06: 6mm	3/16: 3/16"
08: 8mm	1/4: 1/4"
10: 10mm	5/16: 5/16"
12: 12mm	3/8: 3/8"
14: 14mm	1/2: 1/2"
16: 16mm	

M5: M5
M6: M6
01: 1/8"
02: 1/4"
03: 3/8"
04: 1/2"

P: PT
G: G
T: NPT
Note: it isn't available for Metric

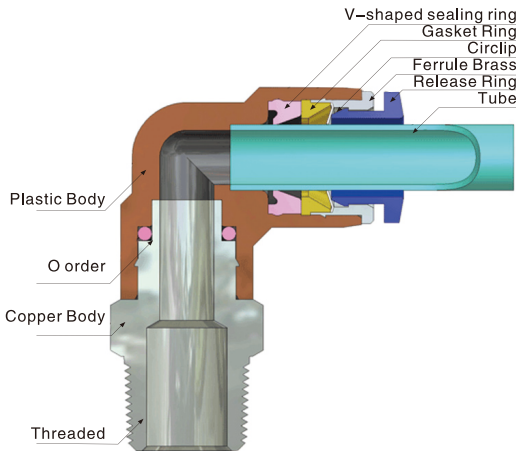
Order Example:
ZPC series One Touch-in Fitting,
Grey body and Orange release sleeve,
for 4mm OD tube, 1/8" G thread,
ERP code ZPC04-01G

Specification

Working medium	Air Vacuum
Working Pressure(MPa)	0~0.8
Maximum pressure(MPa)	1.2
Working temperature(°C)	0~60
Pipe material	Nylon tube/PU tube
Sealing form with threaded connector	M/G teeth: gasket sealing PT/NPT teeth: sealant sealing

Internal Structure

- The structure of quick coupling can connect the pipe for a long time. Smooth edges of the end cap design allows the tube to be pulled out quickly.
- Nickel-plated copper surface is optional, which can prolong the life of the product.
- Fitting threads are available with thread adhesive or with O-ring.
- Metric and inch threads are available.



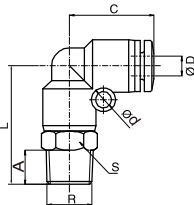
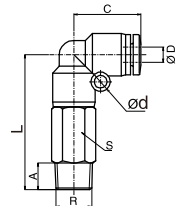
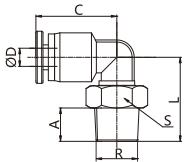
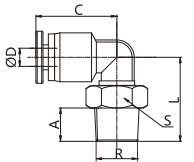
Metric Tubing-PT Thread

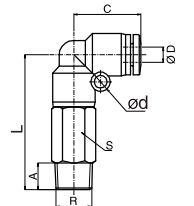
ZPC	Model	D	R	A	L	S1	S2	Main Dimension
Straight-through threaded fitting	ZPC04-M5	4	M5	3.5	21.4	10	2	
	ZPC04-M6	4	M6	4.5	22.4	10	2	
	ZPC04-01P	4	PT1/8	7.5	20.1	10	3	
	ZPC04-02P	4	PT1/4	9.5	18.4	14	3	
	ZPC06-M5	6	M5	3.5	22	12	2	
	ZPC06-M6	6	M6	4.5	23	12	2	
	ZPC06-01P	6	PT1/8	7.5	21	12	4	
	ZPC06-02P	6	PT1/4	9.5	22	14	4	
	ZPC06-03P	6	PT3/8	10.5	21	17	4	
	ZPC06-04P	6	PT1/2	13.5	24	21	4	
	ZPC08-01P	8	PT1/8	7.5	27	14	5	
	ZPC08-02P	8	PT1/4	9.5	24.5	14	6	
	ZPC08-03P	8	PT3/8	10.5	22.5	17	6	
	ZPC08-04P	8	PT1/2	13.5	25	21	6	
	ZPC10-01P	10	PT1/8	7.5	30.2	17	5	
	ZPC10-02P	10	PT1/4	9.5	31.5	17	6	
	ZPC10-03P	10	PT3/8	10.5	28.4	17	8	
	ZPC10-04P	10	PT1/2	13.5	26.2	21	8	
	ZPC12-01P	12	PT1/8	7.5	32.2	20	5	
	ZPC12-02P	12	PT1/4	9.5	34.2	20	6	
	ZPC12-03P	12	PT3/8	10.5	30.2	20	8	
	ZPC12-04P	12	PT1/2	13.5	29.2	21	10	
	ZPC14-02P	14	PT1/4	9.5	34.3	22	/	
	ZPC14-03P	14	PT3/8	10.5	35.3	22	/	
	ZPC14-04P	14	PT1/2	13.5	33.3	22	/	
	ZPC16-02P	16	PT1/4	9.5	35.6	24	/	
	ZPC16-03P	16	PT3/8	10.5	36.6	24	/	
	ZPC16-04P	16	PT1/2	13.5	34.6	24	/	

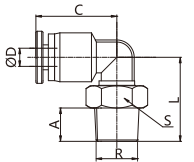
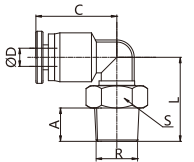
ZPOC	Model	D	R	A	L	P	S	Main Dimension
Round straight-through fitting	ZPOC04-M5	4	M5	3.5	21.4	10	2	
	ZPOC04-M6	4	M6	4.5	22.4	10	2	
	ZPOC04-01P	4	PT1/8	7.5	20.1	10	3	
	ZPOC04-02P	4	PT1/4	9.5	18.4	14	3	
	ZPOC06-M5	6	M5	3.5	22	12	2	
	ZPOC06-M6	6	M6	4.5	23	12	2	
	ZPOC06-01P	6	PT1/8	7.5	21	12	4	
	ZPOC06-02P	6	PT1/4	9.5	22	14	4	
	ZPOC06-03P	6	PT3/8	10.5	21	17	4	
	ZPOC06-04P	6	PT1/2	13.5	24	21	4	
	ZPOC08-01P	8	PT1/8	7.5	27	14	5	
	ZPOC08-02P	8	PT1/4	9.5	24.5	14	6	
	ZPOC08-03P	8	PT3/8	10.5	22.5	17	6	
	ZPOC08-04P	8	PT1/2	13.5	25	21	6	
	ZPOC10-01P	10	PT1/8	7.5	30.2	17	5	
	ZPOC10-02P	10	PT1/4	9.5	31.5	17	6	
	ZPOC10-03P	10	PT3/8	10.5	28.4	17	8	
	ZPOC10-04P	10	PT1/2	13.5	26.2	21	8	
	ZPOC12-01P	12	PT1/8	7.5	32.2	20	5	
	ZPOC12-02P	12	PT1/4	9.5	34.2	20	6	
	ZPOC12-03P	12	PT3/8	10.5	30.2	20	8	
	ZPOC12-04P	12	PT1/2	13.5	29.2	21	10	

ZPCF	Model	D	R	A	L	S	Main Dimension
Internal threaded straight-through fitting	ZPCF04-01P	4	PT1/8	7	24.6	12	
	ZPCF04-02P	4	PT1/4	10	27.6	17	
	ZPCF06-01P	6	PT1/8	7	25.1	12	
	ZPCF06-02P	6	PT1/4	10	28.1	17	
	ZPCF06-03P	6	PT3/8	11	29.1	20	
	ZPCF06-04P	6	PT1/2	13	31.1	24	
	ZPCF08-01P	8	PT1/8	7	27.5	14	
	ZPCF08-02P	8	PT1/4	10	30.5	17	
	ZPCF08-03P	8	PT3/8	11	31.5	20	
	ZPCF08-04P	8	PT1/2	13	33.5	24	
	ZPCF10-01P	10	PT1/8	?	30.5	17	
	ZPCF10-02P	10	PT1/4	10	33.5	17	
	ZPCF10-03P	10	PT3/8	11	34.5	20	
	ZPCF10-04P	10	PT1/2	13	36.5	24	
	ZPCF12-01P	12	PT1/8	7	32	20	
	ZPCF12-02P	12	PT1/4	10	35	20	
	ZPCF12-03P	12	PT3/8	11	36	20	
	ZPCF12-04P	12	PT1/2	13	38	24	
	ZPCF14-02P	14	PT1/4	10	35.3	24	
	ZPCF14-03P	14	PT3/8	11	36.3	24	
	ZPCF14-04P	14	PT1/2	13	38.3	24	
	ZPCF16-02P	16	PT1/4	10	36.1	24	
	ZPCF16-03P	16	PT3/8	11	37.1	24	
	ZPCF16-04P	16	PT1/2	13	39.1	24	

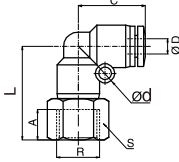
⦿ Metric Tubing-PT Thread

ZPL	Model	D	R	A	L	C	S	d	Main Dimension
L-shaped threaded 2 way fitting	ZPL04-M5	4	M5	3.5	23.1	18.8	10	3.2	
	ZPL04-M6	4	M6	4.5	24.1	18.8	10	3.2	
	ZPL04-01P	4	PT1/8	7.5	26.1	18.8	10	3.2	
	ZPL04-02P	4	PT1/4	9.5	28.1	18.8	14	3.2	
	ZPL06-M5	6	M5	3.5	22.8	18.7	12	3.2	
	ZPL06-M6	6	M6	4.5	23.8	18.7	12	3.2	
	ZPL06-01P	6	PT1/8	7.5	25.8	18.7	12	3.2	
	ZPL06-02P	6	PT1/4	9.5	27.8	18.7	14	3.2	
	ZPL06-03P	6	PT3/8	10.5	28.8	18.7	17	3.2	
	ZPL06-04P	6	PT1/2	13.5	31.8	18.7	21	3.2	
	ZPL08-01P	8	PT1/8	7.5	29.5	22.8	14	3.2	
	ZPL08-02P	8	PT1/4	9.5	31.5	22.8	14	3.2	
	ZPL08-03P	8	PT3/8	10.5	32.5	22.8	17	3.2	
	ZPL08-04P	8	PT1/2	13.5	35.5	22.8	21	3.2	
	ZPL10-01P	10	PT1/8	7.5	33.2	27.4	17	4.1	
	ZPL10-02P	10	PT1/4	9.5	35.2	27.4	17	4.1	
	ZPL10-03P	10	PT3/8	10.5	37.4	27.4	17	4.1	
	ZPL10-04P	10	PT1/2	13.5	39.2	27.4	21	4.1	
	ZPL12-01P	12	PT1/8	7.5	35.2	29.3	19	4.2	
	ZPL12-02P	12	PT1/4	9.5	37.2	29.3	19	4.2	
	ZPL12-03P	12	PT3/8	10.5	38.2	29.3	19	4.2	
	ZPL12-04P	12	PT1/2	13.5	41.2	29.3	21	4.2	
	ZPL14-01P	14	PT1/8	7.5	37	30.3	24	5.1	
	ZPL14-02P	14	PT1/4	9.5	39	30.3	24	5.1	
	ZPL14-03P	14	PT3/8	10.5	40	30.3	24	5.1	
	ZPL14-04P	14	PT1/2	13.5	43	30.3	24	5.1	
L-shaped extended threaded 2 way fitting	ZPLL04-M5	4	M5	3.5	34	18.8	10	3.2	
	ZPLL04-M6	4	M6	4.5	35	18.8	10	3.2	
	ZPLL04-01P	4	PT1/8	7.5	36.5	18.8	10	3.2	
	ZPLL04-02P	4	PT1/4	9.5	40	18.8	14	3.2	
	ZPLL06-M5	6	M5	3.5	36.5	18.7	12	3.2	
	ZPLL06-M6	6	M6	4.5	37.3	18.7	12	3.2	
	ZPLL06-01P	6	PT1/8	7.5	38.8	18.7	12	3.2	
	ZPLL06-02P	6	PT1/4	9.5	41.3	18.7	14	3.2	
	ZPLL06-03P	6	PT3/8	10.5	42.8	18.7	17	3.2	
	ZPLL06-04P	6	PT1/2	13.5	46.8	18.7	21	3.2	
	ZPLL08-01P	8	PT1/8	7.5	44.6	22.8	14	3.2	
	ZPLL08-02P	8	PT1/4	9.5	45.1	22.8	14	3.2	
	ZPLL08-03P	8	PT3/8	10.5	46.6	22.8	17	3.2	
	ZPLL08-04P	8	PT1/2	13.5	50.6	22.8	21	3.2	
	ZPLL10-01P	10	PT1/8	7.5	53.2	27.4	17	4.1	
	ZPLL10-02P	10	PT1/4	9.5	55.7	27.4	17	4.1	
	ZPLL10-03P	10	PT3/8	10.5	56.2	27.4	17	4.1	
	ZPLL10-04P	10	PT1/2	13.5	59.2	27.4	21	4.1	
	ZPLL12-02P	12	PT1/4	9.5	60.7	29.3	19	4.2	
	ZPLL12-03P	12	PT3/8	10.5	61.7	29.3	19	4.2	
	ZPLL12-04P	12	PT1/2	13.5	64.2	29.3	21	4.2	
L-shaped threaded 2 way fitting	ZPLN04-01P	4	PT1/8	7.5	17.9	18	10		
	ZPLN04-02P	4	PT1/4	9.5	19.9	18	14		
	ZPLN06-01P	6	PT1/8	7.5	19.7	19.2	10		
	ZPLN06-02P	6	PT1/4	9.5	21.7	19.2	14		
	ZPLN06-03P	6	PT3/8	10.5	22.7	19.2	17		
	ZPLN06-04P	6	PT1/2	13.5	25.7	19.2	21		
	ZPLN08-01P	8	PT1/8	7.5	25.5	21.8	12		
	ZPLN08-02P	8	PT1/4	9.5	22	21.8	14		
	ZPLN08-03P	8	PT3/8	10.5	23	21.8	17		
	ZPLN08-04P	8	PT1/2	13.5	26	21.8	21		
	ZPLN10-01P	10	PT1/8	7.5	27.5	26	17		
	ZPLN10-02P	10	PT1/4	9.5	29.5	26	17		
L-shaped threaded 2 way fitting	ZPLN10-03P	10	PT3/8	10.5	25.5	26	17		
	ZPLN10-04P	10	PT1/2	13.5	28.5	26	21		
	ZPLN12-01P	12	PT1/8	7.5	29	30	17		
	ZPLN12-02P	12	PT1/4	9.5	31	30	17		
	ZPLN12-03P	12	PT3/8	10.5	27	30	17		
	ZPLN12-04P	12	PT1/2	13.5	30	30	21		

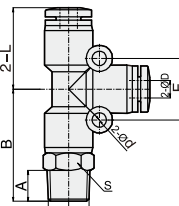
ZPLL	Model	D	R	A	L	C	S	d	Main Dimension
L-shaped extended threaded 2 way fitting	ZPLL04-M5	4	M5	3.5	34	18.8	10	3.2	
	ZPLL04-M6	4	M6	4.5	35	18.8	10	3.2	
	ZPLL04-01P	4	PT1/8	7.5	36.5	18.8	10	3.2	
	ZPLL04-02P	4	PT1/4	9.5	40	18.8	14	3.2	
	ZPLL06-M5	6	M5	3.5	36.5	18.7	12	3.2	
	ZPLL06-M6	6	M6	4.5	37.3	18.7	12	3.2	
	ZPLL06-01P	6	PT1/8	7.5	38.8	18.7	12	3.2	
	ZPLL06-02P	6	PT1/4	9.5	41.3	18.7	14	3.2	
	ZPLL06-03P	6	PT3/8	10.5	42.8	18.7	17	3.2	
	ZPLL06-04P	6	PT1/2	13.5	46.8	18.7	21	3.2	
	ZPLL08-01P	8	PT1/8	7.5	44.6	22.8	14	3.2	
	ZPLL08-02P	8	PT1/4	9.5	45.1	22.8	14	3.2	
	ZPLL08-03P	8	PT3/8	10.5	46.6	22.8	17	3.2	
	ZPLL08-04P	8	PT1/2	13.5	50.6	22.8	21	3.2	
	ZPLL10-01P	10	PT1/8	7.5	53.2	27.4	17	4.1	
	ZPLL10-02P	10	PT1/4	9.5	55.7	27.4	17	4.1	
	ZPLL10-03P	10	PT3/8	10.5	56.2	27.4	17	4.1	
	ZPLL10-04P	10	PT1/2	13.5	59.2	27.4	21	4.1	
	ZPLL12-02P	12	PT1/4	9.5	60.7	29.3	19	4.2	
	ZPLL12-03P	12	PT3/8	10.5	61.7	29.3	19	4.2	
	ZPLL12-04P	12	PT1/2	13.5	64.2	29.3	21	4.2	

ZPLN	Model	D	R	A	L	C	S	Main Dimension
L-shaped threaded 2 way fitting	ZPLN04-01P	4	PT1/8	7.5	17.9	18	10	
	ZPLN04-02P	4	PT1/4	9.5	19.9	18	14	
	ZPLN06-01P	6	PT1/8	7.5	19.7	19.2	10	
	ZPLN06-02P	6	PT1/4	9.5	21.7	19.2	14	
	ZPLN06-03P	6	PT3/8	10.5	22.7	19.2	17	
	ZPLN06-04P	6	PT1/2	13.5	25.7	19.2	21	
	ZPLN08-01P	8	PT1/8	7.5	25.5	21.8	12	
	ZPLN08-02P	8	PT1/4	9.5	22	21.8	14	
	ZPLN08-03P	8	PT3/8	10.5	23	21.8	17	
	ZPLN08-04P	8	PT1/2	13.5	26	21.8	21	
	ZPLN10-01P	10	PT1/8	7.5	27.5	26	17	
	ZPLN10-02P	10	PT1/4	9.5	29.5	26	17	
L-shaped threaded 2 way fitting	ZPLN10-03P	10	PT3/8	10.5	25.5	26	17	
	ZPLN10-04P	10	PT1/2	13.5	28.5	26	21	
	ZPLN12-01P	12	PT1/8	7.5	29	30	17	
	ZPLN12-02P	12	PT1/4	9.5	31	30	17	
	ZPLN12-03P	12	PT3/8	10.5	27	30	17	
	ZPLN12-04P	12	PT1/2	13.5	30	30	21	

⦿ Metric Tubing-PT Thread

ZPLF	Model	D	R	A	L	C	S	d	Main Dimension
L-shaped internal threaded 2 way fitting	ZPLF04-01P	4	PT1/8	7	24.6	18.8	12	3.2	
	ZPLF04-02P	4	PT1/4	10	27.6	18.8	17	3.2	
	ZPLF06-01P	6	PT1/8	7	24.3	18.7	12	3.2	
	ZPLF06-02P	6	PT1/4	10	27.3	18.7	17	3.2	
	ZPLF06-03P	6	PT3/8	11	28.3	18.7	20	3.2	
	ZPLF06-04P	6	PT1/2	13	30.3	18.7	24	3.2	
	ZPLF08-01P	8	PT1/8	7	28.2	22.8	14	3.2	
	ZPLF08-02P	8	PT1/4	10	31.2	22.8	17	3.2	
	ZPLF08-03P	8	PT3/8	11	32.2	22.8	20	3.2	
	ZPLF08-04P	8	PT1/2	13	34.2	22.8	24	3.2	
	ZPLF10-01P	10	PT1/8	7	31.7	27.4	17	4.1	
	ZPLF10-02P	10	PT1/4	10	34.7	27.4	17	4.1	
	ZPLF10-03P	10	PT3/8	11	35.7	27.4	20	4.1	
	ZPLF10-04P	10	PT1/2	13	37.7	27.4	24	4.1	
	ZPLF12-01P	12	PT1/8	7	31.7	29.3	19	4.2	
	ZPLF12-02P	12	PT1/4	10	36.7	29.3	19	4.2	
	ZPLF12-03P	12	PT3/8	11	37.7	29.3	20	4.2	
	ZPLF12-04P	12	PT1/2	13	39.7	29.3	24	4.2	
	ZPLF14-03P	14	PT3/8	11	38.5	30.3	24	5.1	
	ZPLF14-04P	14	PT1/2	13	40.5	30.3	24	5.1	
	ZPLF16-02P	16	PT1/4	11	39	32.1	24	5.2	
	ZPLF16-03P	16	PT3/8	12	40	32.1	24	5.2	
	ZPLF16-04P	16	PT1/2	14	42	32.1	24	5.2	

ZPD	Model	D	R	A	B	L	S	d	F	Main Dimension
T-type branch threaded 3 way fitting	ZPD04-M5	4	M5	3.5	22.8	18.6	10	3.2	14	
	ZPD04-M6	4	M6	4.5	23.8	18.6	10	3.2	14	
	ZPD04-01P	4	PT1/8	7.5	25.8	18.6	10	3.2	14	
	ZPD04-02P	4	PT1/4	9.5	27.8	18.6	14	3.2	14	
	ZPD06-M5	6	M5	3.5	23.3	19.2	12	3.3	16	
	ZPD06-M6	6	M6	4.5	24.3	19.2	12	3.3	16	
	ZPD06-01P	6	PT1/8	7.5	26.3	19.2	12	3.3	16	
	ZPD06-02P	6	PT1/4	9.5	28.3	19.2	14	3.3	16	
	ZPD06-03P	6	PT3/8	10.5	29.3	19.2	17	3.3	16	
	ZPD06-04P	6	PT1/2	13.5	32.3	19.2	21	3.3	16	
	ZPD08-01P	8	PT1/8	7.5	28.9	22.4	14	4.4	18.3	
	ZPD08-02P	8	PT1/4	9.5	30.9	22.4	14	4.4	18.3	
	ZPD08-03P	8	PT3/8	10.5	31.9	22.4	17	4.4	18.3	
	ZPD08-04P	8	PT1/2	13.5	34.9	22.4	21	4.4	18.3	
	ZPD10-01P	10	PT1/8	7.5	33.9	28.1	17	4.2	23.5	
	ZPD10-02P	10	PT1/4	9.5	35.9	28.1	17	4.2	23.5	
	ZPD10-03P	10	PT3/8	10.5	36.9	28.1	17	4.2	23.5	
	ZPD10-04P	10	PT1/2	13.5	39.9	28.1	21	4.2	23.5	
	ZPD12-01P	12	PT1/8	7.5	35.1	29.3	19	4.2	27	
	ZPD12-02P	12	PT1/4	9.5	37.1	29.3	19	4.2	27	
	ZPD12-03P	12	PT3/8	10.5	38.1	29.3	19	4.2	27	
ZPD12-04P	12	PT1/2	13.5	41.1	29.3	21	4.2	27		
ZPD14-02P	14	PT1/4	9.5	39	30.2	24	5.1	29.5		
ZPD14-03P	14	PT3/8	10.5	40	30.2	24	5.1	29.5		
ZPD14-04P	14	PT1/2	13.5	43	30.2	24	5.1	29.5		
ZPD16-02P	16	PT1/4	9.5	40.7	31.9	24	5.1	30.2		
ZPD16-03P	16	PT3/8	10.5	41.7	31.9	24	5.1	30.2		
ZPD16-04P	16	PT1/2	13.5	44.7	31.9	24	5.1	30.2		



⦿ Metric Tubing-PT Thread

ZPWT	Model	D	R	A	L	S	d	Main Dimension
Y-type threaded 3 way fitting	ZPWT04-M5	4	M5	3.5	40	10	3.2	
	ZPWT04-M6	4	M6	4.5	41	10	3.2	
	ZPWT04-01P	4	PT1/8	7.5	43	10	3.2	
	ZPWT04-02P	4	PT1/4	9.5	45	14	3.2	
	ZPWT06-M5	6	M5	3.5	40.4	12	3.1	
	ZPWT06-M6	6	M6	4.5	41.4	12	3.1	
	ZPWT06-01P	6	PT1/8	7.5	43.4	12	3.1	
	ZPWT06-02P	6	PT1/4	9.5	45.4	14	3.1	
	ZPWT06-03P	6	PT3/8	10.5	46.4	17	3.1	
	ZPWT06-04P	6	PT1/2	13.5	49.4	21	3.1	
	ZPWT08-01P	8	PT1/8	7.5	46.9	14	3.2	
	ZPWT08-02P	8	PT1/4	9.5	48.9	14	3.2	
	ZPWT08-03P	8	PT3/8	10.5	49.9	17	3.2	
	ZPWT08-04P	8	PT1/2	13.5	52.9	21	3.2	
	ZPWT10-01P	10	PT1/8	7.5	55.9	17	4.2	
	ZPWT10-02P	10	PT1/4	9.5	57.9	17	4.2	
	ZPWT10-03P	10	PT3/8	10.5	58.9	17	4.2	
	ZPWT10-04P	10	PT1/2	13.5	61.9	21	4.2	
	ZPWT12-01P	12	PT1/8	7.5	59.8	19	4.2	
	ZPWT12-02P	12	PT1/4	9.5	61.8	19	4.2	
	ZPWT12-03P	12	PT3/8	10.5	62.8	19	4.2	
	ZPWT12-04P	12	PT1/2	13.5	65.8	21	4.2	
	ZPWT14-02P	14	PT1/4	9.5	64.4	24	4.2	
	ZPWT14-03P	14	PT3/8	10.5	65.4	24	4.2	
	ZPWT14-04P	14	PT1/2	13.5	68.4	24	4.2	
	ZPWT16-02P	16	PT1/4	9.5	68	24	5	
	ZPWT16-03P	16	PT3/8	10.5	69	24	5	
	ZPWT16-04P	16	PT1/2	13.5	72	24	5	

ZPH	Model	D	R	A	B	S	L	Main Dimension
External hexagonal fitting	ZPH04-M5	4	M5	3.5	20.2	8	17.9	
	ZPH04-01P	4	PT1/8	7	22.5	10	23.5	
	ZPH04-02P	4	PT1/4	9	25	14	26.3	
	ZPH06-M5	6	M5	3.5	22.1	8	17.9	
	ZPH06-01P	6	PT1/8	7	23.3	10	23.5	
	ZPH06-02P	6	PT1/4	9	25.8	14	26.3	
	ZPH06-03P	6	PT3/8	10	27.5	19	32	
	ZPH06-04P	6	PT1/2	13	30	24	38.6	
	ZPH08-01P	8	PT1/8	7	25.4	10	23.5	
	ZPH08-02P	8	PT1/4	9	28.5	14	26.3	
	ZPH08-03P	8	PT3/8	10	29.4	19	32	
	ZPH08-04P	8	PT1/2	13	32.4	24	38.6	
	ZPH10-01P	10	PT1/8	7	30.3	10	23.5	
	ZPH10-02P	10	PT1/4	9	32.6	14	26.3	
	ZPH10-03P	10	PT3/8	10	33.2	19	32	
	ZPH10-04P	10	PT1/2	13	36.2	24	38.6	
	ZPH12-01P	12	PT1/8	7	32.5	10	23.5	
	ZPH12-02P	12	PT1/4	9	34.7	14	26.3	
	ZPH12-03P	12	PT3/8	10	36.6	19	32.0	
	ZPH12-04P	12	PT1/2	13	39	24	38.6	

ZPHF	Model	D	R	A	B	S	F	L	Main Dimension
Series fitting	ZPHF04-01P	4	PT1/8	7	22.2	12	7	28.1	
	ZPHF04-02P	4	PT1/4	9	24	17	10	33	
	ZPHF06-01P	6	PT1/8	7	23.1	12	7	28.1	
	ZPHF06-02P	6	PT1/4	9	25	17	10	33	
	ZPHF06-03P	6	PT3/8	10	26.7	21	11	40.3	
	ZPHF06-04P	6	PT1/2	13	29.7	24	13	47.4	
	ZPHF08-01P	8	PT1/8	7	25.5	12	7	28.1	
	ZPHF08-02P	8	PT1/4	9	28.6	17	10	33	
	ZPHF08-03P	8	PT3/8	10	29.4	21	11	40.3	
	ZPHF08-04P	8	PT1/2	13	32.4	24	13	47.4	
	ZPHF10-01P	10	PT1/8	7	30.3	12	7	28.1	
	ZPHF10-02P	10	PT1/4	9	32.3	17	10	33	
	ZPHF10-03P	10	PT3/8	10	32.9	21	11	40.3	
	ZPHF10-04P	10	PT1/2	13	35.8	24	13	47.4	
	ZPHF12-01P	12	PT1/8	7	33.2	12	7	28.1	
	ZPHF12-02P	12	PT1/4	9	33.1	17	10	33	
	ZPHF12-03P	12	PT3/8	10	35.4	21	11	40.3	
	ZPHF12-04P	12	PT1/2	13	36.9	24	13	47.4	

⦿ Metric Tubing-G Thread

ZPC	Model	D	R	A	L	S1	S2	Main Dimension
Straight-through threaded fitting	ZPC04-01G	4	G1/8	5	19.1	12	3	
	ZPC04-02G	4	G1/4	6.5	18.1	17	3	
	ZPC06-01G	6	G1/8	5	20.0	12	4	
	ZPC06-02G	6	G1/4	6.5	21.0	17	4	
	ZPC06-03G	6	G3/8	7	20.5	20	4	
	ZPC06-04G	6	G1/2	10	23.0	24	4	
	ZPC08-01G	8	G1/8	5	26.0	14	5	
	ZPC08-02G	8	G1/4	6.5	23.5	17	6	
	ZPC08-03G	8	G3/8	7	23.0	20	6	
	ZPC08-04G	8	G1/2	10	24.0	24	6	
	ZPC10-01G	10	G1/8	5	28.5	17	5	
	ZPC10-02G	10	G1/4	6.5	30.0	17	6	
	ZPC10-03G	10	G3/8	7	26.7	20	8	
	ZPC10-04G	10	G1/2	10	26.7	24	8	
	ZPC12-01G	12	G1/8	5	30.7	20	5	
	ZPC12-02G	12	G1/4	6.5	32.2	20	6	
	ZPC12-03G	12	G3/8	7	30.2	20	8	
	ZPC12-04G	12	G1/2	10	31.2	24	10	
	ZPC14-02G	14	G1/4	6.5	32.3	22	-	
	ZPC14-03G	14	G3/8	7	32.8	22	-	
	ZPC14-04G	14	G1/2	10	30.8	24	-	
	ZPC16-02G	16	G1/4	6.5	34.1	24	-	
	ZPC16-03G	16	G3/8	7	34.1	24	-	
	ZPC16-04G	16	G1/2	10	33.1	24	-	

ZPOC	Model	D	R	A	L	P	S	Main Dimension
Round straight through fitting	ZPOC04-01G	4	G1/8	5	19.1	12	3	
	ZPOC04-02G	4	G1/4	6.5	18.1	17	3	
	ZPOC06-01G	6	G1/8	5	20	12	4	
	ZPOC06-02G	6	G1/4	6.5	21	17	4	
	ZPOC06-03G	6	G3/8	7	20.5	20	4	
	ZPOC06-04G	6	G1/2	10	23	24	4	
	ZPOC08-01G	8	G1/8	5	26	14	5	
	ZPOC08-02G	8	G1/4	6.5	23.5	17	6	
	ZPOC08-03G	8	G3/8	7	23	20	6	
	ZPOC08-04G	8	G1/2	10	24	24	6	
	ZPOC10-01G	10	G1/8	5	28.5	17	5	
	ZPOC10-02G	10	G1/4	6.5	30	17	6	
	ZPOC10-03G	10	G3/8	7	26.7	20	8	
	ZPOC10-04G	10	G1/2	10	26.7	24	8	
	ZPOC12-01G	12	G1/8	5	30.7	20	5	
	ZPOC12-02G	12	G1/4	6.5	32.7	20	6	
	ZPOC12-03G	12	G3/8	7	30.2	20	8	
	ZPOC12-04G	12	G1/2	10	31.2	24	10	

ZPCF	Model	D	R	A	L	S	Main Dimension
Internal threaded straight-through fitting	ZPCF04-01G	4	G1/8	7	24.6	12	
	ZPCF04-02G	4	G1/4	10	27.6	17	
	ZPCF06-01G	6	G1/8	7	25.1	12	
	ZPCF06-02G	6	G1/4	10	28.1	17	
	ZPCF06-03G	6	G3/8	11	29.1	20	
	ZPCF06-04G	6	G1/2	13	31.1	24	
	ZPCF08-01G	8	G1/8	7	27.5	14	
	ZPCF08-02G	8	G1/4	10	30.5	17	
	ZPCF08-03G	8	G3/8	11	31.5	20	
	ZPCF08-04G	8	G1/2	13	33.5	24	
	ZPCF10-01G	10	G1/8	7	30.5	17	
	ZPCF10-02G	10	G1/4	10	33.5	17	
	ZPCF10-03G	10	G3/8	11	34.5	20	
	ZPCF10-04G	10	G1/2	13	36.5	24	
	ZPCF12-01G	12	G1/8	7	32	20	
	ZPCF12-02G	12	G1/4	10	35	20	
	ZPCF12-03G	12	G3/8	11	36	20	
	ZPCF12-04G	12	G1/2	13	38	24	
	ZPCF14-02G	14	G1/4	10	35.3	24	
	ZPCF14-03G	14	G3/8	11	36.3	24	
	ZPCF14-04G	14	G1/2	13	38.3	24	
	ZPCF16-02G	16	G1/4	10	36.1	24	
	ZPCF16-03G	16	G3/8	11	37.1	24	
	ZPCF16-04G	16	G1/2	13	39.1	24	

⦿ Metric Tubing-G Thread

ZPL	Model	D	R	A	L	C	S	d	Main Dimension
L-shaped threaded 2 way fitting	ZPL04-01G	4	G1/8	5	23.6	18.9	12	3.3	
	ZPL04-02G	4	G1/4	6.5	25.1	18.9	17	3.3	
	ZPL04-M5	4	M5	3.5	23.1	18.9	10	3.3	
	ZPL06-01G	6	G1/8	5	23.3	18.7	12	3.2	
	ZPL06-02G	6	G1/4	6.5	24.8	18.7	17	3.2	
	ZPL06-03G	6	G3/8	7	25.3	18.7	20	3.2	
	ZPL06-04G	6	G1/2	10	29.3	18.7	24	3.2	
	ZPL08-01G	8	G1/8	5	27	22.8	14	3.2	
	ZPL08-02G	8	G1/4	6.5	28.5	22.8	17	3.2	
	ZPL08-03G	8	G3/8	7	29	22.8	20	3.2	
	ZPL08-04G	8	G1/2	10	33	22.8	24	3.2	
	ZPL10-01G	10	G1/8	5	30.7	27.4	17	4.1	
	ZPL10-02G	10	G1/4	6.5	32.2	27.4	17	4.1	
	ZPL10-03G	10	G3/8	7	32.7	27.4	20	4.1	
	ZPL10-04G	10	G1/2	10	37.7	27.4	24	4.1	
	ZPL12-01G	12	G1/8	5	32.7	29.3	19	4.2	
	ZPL12-02G	12	G1/4	6.5	34.2	29.3	19	4.2	
	ZPL12-03G	12	G3/8	7	34.7	29.3	20	4.2	
	ZPL12-04G	12	G1/2	10	38.7	29.3	24	4.2	
	ZPL14-01G	14	G1/8	5	34.5	30.3	24	5.1	
	ZPL14-02G	14	G1/4	6.5	36	30.3	24	5.1	
	ZPL14-03G	14	G3/8	7	36.5	30.3	24	5.1	
	ZPL14-04G	14	G1/2	10	39.5	30.3	24	5.1	
	ZPL06-01G	16	G1/8	5	36.1	32.1	24	5.2	
	ZPL06-02G	16	G1/4	6.5	37.6	32.1	24	5.2	
	ZPL06-03G	16	G3/8	7	38.1	32.1	24	5.2	
	ZPL06-04G	16	G1/2	10	41.1	32.1	24	5.2	

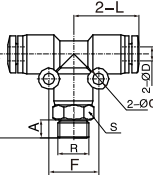
ZPLL	Model	D	R	A	L	C	S	d	Main Dimension
L-shaped extended threaded 2 way fitting	ZPLL04-01G	4	G1/8	5	34.5	18.8	12	3.2	
	ZPLL04-02G	4	G1/4	6.5	37	18.8	17	3.2	
	ZPLL06-01G	6	G1/8	5	36.8	18.7	12	3.2	
	ZPLL06-02G	6	G1/4	6.5	39.8	18.7	17	3.2	
	ZPLL06-03G	6	G3/8	7	39.3	18.7	20	3.2	
	ZPLL06-04G	6	G1/2	10	44.3	18.7	24	3.2	
	ZPLL08-01G	8	G1/8	5	42.1	22.8	14	3.2	
	ZPLL08-02G	8	G1/4	6.5	43.6	22.8	17	3.2	
	ZPLL08-03G	8	G3/8	7	43.1	22.8	20	3.2	
	ZPLL08-04G	8	G1/2	10	48.1	22.8	24	3.2	
	ZPLL10-01G	10	G1/8	5	49.7	27.4	17	4.1	
	ZPLL10-02G	10	G1/4	6.5	52.7	27.4	17	4.1	
	ZPLL10-03G	10	G3/8	7	52.7	27.4	20	4.1	
	ZPLL10-04G	10	G1/2	10	56.7	27.4	24	4.1	
	ZPLL12-02G	12	G1/4	6.5	56.7	29.3	19	4.2	
	ZPLL12-03G	12	G3/8	7	58.2	29.3	20	4.2	
	ZPLL12-04G	12	G1/2	10	60.7	29.3	24	4.2	

ZPLN	Model	D	R	A	B	C	S	Main Dimension
L-shaped threaded 2 way fitting	ZPLN04-01G	4	G1/8	5	17.4	18	12	
	ZPLN04-02G	4	G1/4	6.5	18.9	18	17	
	ZPLN06-01G	6	G1/8	5	19.2	19.2	12	
	ZPLN06-02G	6	G1/4	6.5	20.7	19.2	17	
	ZPLN06-03G	6	G3/8	7	21.2	19.2	20	
	ZPLN06-04G	6	G1/2	10	24.2	19.2	24	
	ZPLN08-01G	8	G1/8	5	23.5	21.8	14	
	ZPLN08-02G	8	G1/4	6.5	21	21.8	17	
	ZPLN08-03G	8	G3/8	7	21.5	21.8	20	
	ZPLN08-04G	8	G1/2	10	24.5	21.8	24	
	ZPLN10-01G	10	G1/8	5	26.5	26	17	
	ZPLN10-02G	10	G1/4	6.5	28	26	17	
	ZPLN10-03G	10	G3/8	7	27	26	20	
	ZPLN10-04G	10	G1/2	10	28	26	24	
	ZPLN12-01G	12	G1/8	5	28	30	17	
	ZPLN12-02G	12	G1/4	6.5	29.5	30	17	
	ZPLN12-03G	12	G3/8	7	28.5	30	20	
	ZPLN12-04G	12	G1/2	10	29.5	30	24	

⦿ Metric Tubing-G Thread

ZPLF	Model	D	R	A	L	C	S	d	Main Dimension
L-shaped internal threaded 2 way fitting	ZPLF04-01G	4	G1/8	7	24.6	18.8	12	3.2	
	ZPLF04-02G	4	G1/4	10	27.6	18.8	17	3.2	
	ZPLF06-01G	6	G1/8	7	24.3	18.7	12	3.2	
	ZPLF06-02G	6	G1/4	10	27.3	18.7	17	3.2	
	ZPLF06-03G	6	G3/8	11	28.3	18.7	20	3.2	
	ZPLF06-04G	6	G1/2	13	30.3	18.7	24	3.2	
	ZPLF08-01G	8	G1/8	7	28.2	22.8	14	3.2	
	ZPLF08-02G	8	G1/4	10	31.2	22.8	17	3.2	
	ZPLF08-03G	8	G3/8	11	32.2	22.8	20	3.2	
	ZPLF08-04G	8	G1/2	13	34.2	22.8	24	3.2	
	ZPLF10-01G	10	G1/8	7	31.7	27.4	17	4.1	
	ZPLF10-02G	10	G1/4	10	34.7	27.4	17	4.1	
	ZPLF10-03G	10	G3/8	11	35.7	27.4	20	4.1	
	ZPLF10-04G	10	G1/2	13	37.7	27.4	24	4.1	
	ZPLF12-01G	12	G1/8	7	31.7	29.3	19	4.2	
	ZPLF12-02G	12	G1/4	10	36.7	29.3	19	4.2	
	ZPLF12-03G	12	G3/8	11	37.7	29.3	20	4.2	
	ZPLF12-04G	12	G1/2	13	39.7	29.3	24	4.2	
	ZPLF14-03G	14	G3/8	11	38.5	30.3	24	5.1	
	ZPLF14-04G	14	G1/2	13	40.5	30.3	24	5.1	
	ZPLF16-02G	16	G1/4	10	39	32.1	24	5.2	
	ZPLF16-03G	16	G3/8	11	40	32.1	24	5.2	
	ZPLF16-04G	16	G1/2	13	42	32.1	24	5.2	

ZPD	Model	D	R	A	B	L	S	d	F	Main Dimension
T-type branch threaded 3 way fitting	ZPD04-01G	4	G1/8	5	23.3	18.6	12	3.2	14	
	ZPD04-02G	4	G1/4	6.5	24.8	18.6	17	3.2	14	
	ZPD06-01G	6	G1/8	5	23.8	19.2	12	3.3	16	
	ZPD06-02G	6	G1/4	6.5	25.3	19.2	17	3.3	16	
	ZPD06-03G	6	G3/8	7	25.8	19.2	20	3.3	16	
	ZPD06-04G	6	G1/2	10	29.8	19.2	24	3.3	16	
	ZPD08-01G	8	G1/8	5	26.4	22.4	14	4.4	18.3	
	ZPD08-02G	8	G1/4	6.5	27.9	22.4	17	4.4	18.3	
	ZPD08-03G	8	G3/8	7	28.4	22.4	20	4.4	18.3	
	ZPD08-04G	8	G1/2	10	32.4	22.4	24	4.4	18.3	
	ZPD10-01G	10	G1/8	5	31.4	28.1	17	4.2	23.5	
	ZPD10-02G	10	G1/4	6.5	32.9	28.1	17	4.2	23.5	
	ZPD10-03G	10	G3/8	7	33.4	28.1	20	4.2	23.5	
	ZPD10-04G	10	G1/2	10	37.4	28.1	24	4.2	23.5	
	ZPD12-01G	12	G1/8	5	32.6	29.3	19	4.2	27	
	ZPD12-02G	12	G1/4	6.5	34.1	29.3	19	4.2	27	
	ZPD12-03G	12	G3/8	7	34.6	29.3	20	4.2	27	
	ZPD12-04G	12	G1/2	10	38.6	29.3	24	4.2	27	
	ZPD14-02G	14	G1/4	5	36	30.2	24	5.1	29.5	
	ZPD14-03G	14	G3/8	6.5	36.5	30.2	24	5.1	29.5	
	ZPD14-04G	14	G1/2	10	39.5	30.2	24	5.1	29.5	
	ZPD16-02G	16	G1/4	6.5	37.7	31.9	24	5.1	30.2	
	ZPD16-03G	16	G3/8	7	38.2	31.9	24	5.1	30.2	
	ZPD16-04G	16	G1/2	10	41.2	31.9	24	5.1	30.2	

ZPB	Model	D	R	A	B	L	S	d	F	Main Dimension 
T-type threaded 3 way fitting	ZPB04-01G	4	G1/8	5	23.3	18.6	12	3.2	14	
ZPB04-02G	4	G1/4	6.5	24.8	18.6	17	3.2	14		
ZPB06-01G	6	G1/8	5	23.8	19.2	12	3.3	16		
ZPB06-02G	6	G1/4	6.5	25.3	19.2	17	3.3	16		
ZPB06-03G	6	G3/8	7	25.8	19.2	20	3.3	16		
ZPB06-04G	6	G1/2	10	29.8	19.2	24	3.3	16		
ZPB08-01G	8	G1/8	5	25.9	22.6	14	3.1	15.7		
ZPB08-02G	8	G1/4	6.5	27.4	22.6	17	3.1	15.7		
ZPB08-03G	8	G3/8	7	27.9	22.6	20	3.1	15.7		
ZPB08-04G	8	G1/2	10	31.9	22.6	24	3.1	15.7		
ZPB10-01G	10	G1/8	5	26.9	28.2	17	4.2	17.7		
ZPB10-02G	10	G1/4	6.5	28.4	28.2	17	4.2	17.7		
ZPB10-03G	10	G3/8	7	28.9	28.2	20	4.2	17.7		
ZPB10-04G	10	G1/2	10	33.9	28.2	24	4.2	17.7		
ZPB12-01G	12	G1/8	5	31.8	29.3	19	4.2	23.6		
ZPB12-02G	12	G1/4	6.5	33.3	29.3	19	4.2	23.6		
ZPB12-03G	12	G3/8	7	33.8	29.3	20	4.2	23.6		
ZPB12-04G	12	G1/2	10	37.8	29.3	24	4.2	23.6		
ZPB14-01G	14	G1/8	5	34.5	30.2	24	5.1	29.5		
ZPB14-02G	14	G1/4	6.5	36	30.2	24	5.1	29.5		
ZPB14-03G	14	G3/8	7	37	30.2	24	5.1	29.5		
ZPB14-04G	14	G1/2	10	40	30.2	24	5.1	29.5		
ZPB16-01G	16	G1/8	5	36	31.9	24	5.1	30.2		
ZPB16-02G	16	G1/4	6.5	37.5	31.9	24	5.1	30.2		
ZPB16-03G	16	G3/8	7	38	31.9	24	5.1	30.2		
ZPB16-04G	16	G1/2	10	41	31.9	24	5.1	30.2		

⦿ Metric Tubing-G Thread

ZPWT	Model	D	R	A	L	S	d	Main Dimension
Y-type threaded 3 way fitting	ZPWT04-01G	4	G1/8	5	40.5	12	3.2	
	ZPWT04-02G	4	G1/4	6.5	42	17	3.2	
	ZPWT06-01G	6	G1/8	5	40.9	12	3.1	
	ZPWT06-02G	6	G1/4	6.5	42.4	17	3.1	
	ZPWT06-03G	6	G3/8	7	42.9	20	3.1	
	ZPWT06-04G	6	G1/2	10	46.9	24	3.1	
	ZPWT08-01G	8	G1/8	5	44.4	14	3.2	
	ZPWT08-02G	8	G1/4	6.5	45.9	17	3.2	
	ZPWT08-03G	8	G3/8	7	46.4	20	3.2	
	ZPWT08-04G	8	G1/2	10	50.4	24	3.2	
	ZPWT10-01G	10	G1/8	5	53.4	17	4.2	
	ZPWT10-02G	10	G1/4	6.5	54.9	17	4.2	
	ZPWT10-03G	10	G3/8	7	55.4	20	4.2	
	ZPWT10-04G	10	G1/2	10	59.4	24	4.2	
	ZPWT12-01G	12	G1/8	5	57.3	19	4.2	
	ZPWT12-02G	12	G1/4	6.5	58.8	19	4.2	
	ZPWT12-03G	12	G3/8	7	59.3	20	4.2	
	ZPWT12-04G	12	G1/2	10	63.3	24	4.2	
	ZPWT14-02G	14	G1/4	6.5	61.4	24	4.2	
	ZPWT14-03G	14	G3/8	7	61.9	24	4.2	
	ZPWT14-04G	14	G1/2	10	64.9	24	4.2	
	ZPWT16-02G	16	G1/4	6.5	65	24	5	
	ZPWT16-03G	16	G3/8	7	65.5	24	5	
	ZPWT16-04G	16	G1/2	10	68.5	24	5	

ZPH	Model	D	R	A	B	S	L	Main Dimension
External hexagonal fitting	ZPH04-01G	4	G1/8	5	22.2	10	23.6	
	ZPH04-02G	4	G1/4	6.5	24	14	27.5	
	ZPH06-01G	6	G1/8	5	23.1	10	23.6	
	ZPH06-02G	6	G1/4	6.5	25	14	27.5	
	ZPH06-03G	6	G3/8	7	26.7	19	34	
	ZPH06-04G	6	G1/2	10	29.7	24	38.1	
	ZPH08-01G	8	G1/8	5	25.5	10	23.6	
	ZPH08-02G	8	G1/4	6.5	28.6	14	27.5	
	ZPH08-03G	8	G3/8	7	29.4	19	34	
	ZPH08-04G	8	G1/2	10	32.5	24	38.1	
	ZPH10-01G	10	G1/8	5	30.2	10	23.6	
	ZPH10-02G	10	G1/4	6.5	32.3	14	27.5	
	ZPH10-03G	10	G3/8	7	32.9	19	34	
	ZPH10-04G	10	G1/2	10	35.8	24	38.1	
	ZPH12-01G	12	G1/8	5	33.2	10	23.6	
	ZPH12-02G	12	G1/4	6.5	33.1	14	27.5	
	ZPH12-03G	12	G3/8	7	35.4	19	34	
	ZPH12-04G	12	G1/2	10	36.5	24	38.1	

ZPHF	Model	D	R	A	B	S	F	L	Main Dimension
Series fitting	ZPHF04-01G	4	G1/8	5	22.5	12	7	30	
	ZPHF04-02G	4	G1/4	6.5	25	17	10	36	
	ZPHF06-01G	6	G1/8	5	23.3	12	7	30	
	ZPHF06-02G	6	G1/4	6.5	25.8	17	10	36	
	ZPHF06-03G	6	G3/8	7	27.5	20	11	42.7	
	ZPHF06-04G	6	G1/2	10	30	24	13	48.5	
	ZPHF08-01G	8	G1/8	5	25.4	12	7	30	
	ZPHF08-02G	8	G1/4	6.5	28.5	17	10	36	
	ZPHF08-03G	8	G3/8	7	29.4	20	11	42.7	
	ZPHF08-04G	8	G1/2	10	32.4	24	13	48.5	
	ZPHF10-01G	10	G1/8	5	30.3	12	7	30	
	ZPHF10-02G	10	G1/4	6.5	32.6	17	10	36	
	ZPHF10-03G	10	G3/8	7	33.2	20	11	42.7	
	ZPHF10-04G	10	G1/2	10	36.2	24	13	48.5	
	ZPHF12-01G	12	G1/8	5	32.5	12	7	30	
	ZPHF12-02G	12	G1/4	6.5	34.7	17	10	36	
	ZPHF12-03G	12	G3/8	7	36.6	20	11	42.7	
	ZPHF12-04G	12	G1/2	10	39	24	13	48.5	

⦿ Metric Tubing

ZPM	Model	D	R	S	L	Main Dimension
Partition Straight through	ZPM04	4	M12X1	14	32.2	
	ZPM06	6	M14X1	17	33.5	
	ZPM08	8	M16X1	19	37.2	
	ZPM10	10	M20X1	24	42.3	
	ZPM12	12	M22X1	27	46.8	

ZPPF	Model	D	L	Main Dimension
Pipe Cap (Air Plugs)	ZPPF04	4	17.2	
	ZPPF06	6	17.7	
	ZPPF08	8	19.6	
	ZPPF10	10	24	
	ZPPF12	12	25.3	

ZPU	Model	D	L	Main Dimension
Straight-through	ZPU04	4	34.4	
	ZPU06	6	34	
	ZPU08	8	38.3	
	ZPU10	10	43.7	
	ZPU12	12	48.4	
	ZPU14	14	50.9	
	ZPU16	16	50.1	

ZPG	Model	D1	D2	L	Main Dimension
Reduced-bore Straight-through	ZPG06-04	6	4	34.5	
	ZPG08-04	8	4	37.8	
	ZPG08-06	8	6	37.9	
	ZPG10-06	10	6	42.4	
	ZPG10-08	10	8	43.2	
	ZPG12-08	12	8	47.4	
	ZPG12-10	12	10	48.2	
	ZPG14-12	14	12	49.5	
	ZPG16-12	16	12	50.5	
	ZPG16-14	16	14	49.2	

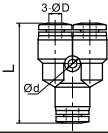
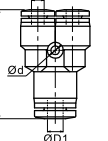
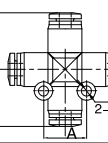
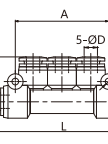
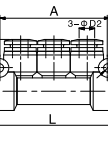
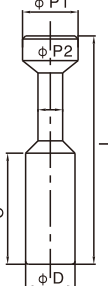
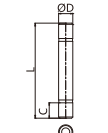
ZPV	Model	D	L	d	Main Dimension
L-type 2 way	ZPV04	4	18.8	3.3	
	ZPV06	6	18.6	3.2	
	ZPV08	8	23	3.2	
	ZPV10	10	27.8	4.1	
	ZPV12	12	29.5	4.2	
	ZPV14	14	30.2	5.1	
	ZPV16	16	32.2	5.1	

ZPE	Model	D	L	d	A	Main Dimension
T-type 3 way	ZPE04	4	18.6	3.2	14	
	ZPE06	6	19.2	3.3	16	
	ZPE08	8	22.4	4.4	18.3	
	ZPE10	10	28.1	4.2	23.5	
	ZPE12	12	29.3	4.2	27	
	ZPE14	14	30.2	5.1	29.5	
	ZPE16	16	31.9	5.1	30.2	

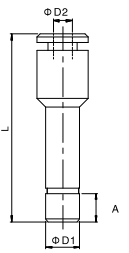
ZPEG	Model	D1	D2	E	L	d	A	Main Dimension
T-type Reduced bore 3 way	ZPEG06-04	6	4	19.3	38.4	3.1	15.7	
	ZPEG08-04	8	4	21.1	45.2	3.1	15.7	
	ZPEG08-06	8	6	21.3	45.2	3.1	15.7	
	ZPEG10-06	10	6	22.5	56.6	4.1	17.7	
	ZPEG10-08	10	8	22.7	56.3	4.2	17.7	
	ZPEG12-08	12	8	27.9	58.6	4.2	23.6	
	ZPEG12-10	12	10	28.5	58.6	4.2	23.6	
	ZPEG16-12	16	12	31.3	65.5	5.1	30.5	

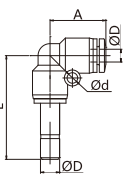
ZPEW	Model	D1	D2	E	L	d	A	Main Dimension
T-type Reduced bore 3 way	ZEW06-04	6	4	19.4	38.2	3.1	15.9	
	ZEW08-04	8	4	23	43.8	3.2	17.8	
	ZEW08-06	8	6	23	44	3.2	17.8	
	ZEW10-06	10	6	28.8	53.8	4.2	23.7	
	ZEW10-08	10	8	28.7	55.2	4.2	23.7	
	ZEW12-08	12	8	29.5	57	4.2	26.7	
	ZEW12-10	12	10	29.5	58.6	4.2	26.7	
	ZEW16-12	16	12	33.2	63.5	5.1	30.7	

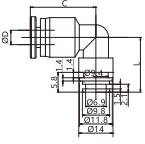
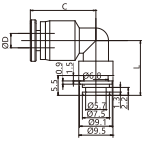
Metric Tubing

ZPY Y-type 3 way 		D	L	d	Main Dimension 			
	Model							
	ZPY04	4	35.6	3.2				
	ZPY06	6	36.2	3.1				
	ZPY08	8	40.4	3.2				
	ZPY10	10	50.1	4.2				
	ZPY12	12	54	4.2				
	ZPY14	14	55.8	4.2				
ZPY16	16	59.3	5					
ZPW Y-type Reduced bore 3 way 		D1	D2	L	d	Main Dimension 		
	Model							
	ZPW06-04	6	4	36.8	3.2			
	ZPW08-04	8	4	39.3	3.2			
	ZPW08-06	8	6	39.8	3.2			
	ZPW10-06	10	6	45.6	3.2			
	ZPW10-08	10	8	49	4.2			
	ZPW12-08	12	8	52.2	4.2			
ZPW12-10	12	10	52.9	4.2				
ZPZA Cross 4 way 		D	L	d	A	Main Dimension 		
	Model							
	ZPZA04	4	38.0	3.2	15.8			
	ZPZA06	6	38.8	3.2	15.8			
	ZPZA08	8	45.4	3.4	17.7			
	ZPZA10	10	56.8	4.2	23.6			
	ZPZA12	12	58.8	4.4	26.5			
ZPK 5 way 		D	L	d	A	E	Main Dimension 	
	Model							
	ZPK04	4	57	3.2	35.6	19		
	ZPK06	6	60.7	3.2	41.7	20.3		
	ZPK08	8	80.6	4.2	47.7	24.6		
	ZPK10	10	88	4.3	57.5	26.5		
	ZPK12	12	102	4.3	67	30.6		
ZPKG Reduced-bore 5 way 		D1	D2	L	d	E	A	Main Dimension 
	Model							
	ZPKG06-04	6	4	57.2	3.2	19.4	35.7	
	ZPKG08-04	8	4	62.2	3.2	20.3	41.7	
	ZPKG08-06	8	6	62.2	3.2	20	41.7	
	ZPKG10-06	10	6	82.6	4.3	23.6	47.5	
	ZPKG10-08	10	8	82.6	4.3	24.6	47.5	
	ZPKG12-10	12	10	93.5	4.2	27.3	60.5	
ZPP Plug 		D	L	C	P1	P2	Main Dimension 	
	Model							
	ZPP04	4	27.3	15	5	3		
	ZPP06	6	31.8	16.6	6.9	4.4		
	ZPP08	8	35.5	18	8.8	5.1		
	ZPP10	10	41.5	20	10.9	4.8		
	ZPP12	12	43.5	23	12.8	5.8		
	ZPP14	14	46.4	24.5	13.5	6.6		
	ZPP16	16	45.5	24.5	15.5	8.6		
ZPIJ Same diameter metal straight through plug 		L	D	C	Main Dimension 			
	Model							
	ZPIJ04	39	4	6.3				
	ZPIJ06	40	6	6.5				
	ZPIJ08	45	8	6.7				
	ZPIJ10	46	10	7.8				
	ZPIJ12	46	12	8				

Metric Tubing

ZPGJ Reduced diameter metal through-rod fittings  ΦD	<table><tr><th>Model</th><th>D1</th><th>D2</th><th>A</th><th>L</th></tr><tr><td>ZPGJ06-04</td><td>6</td><td>4</td><td>6.5</td><td>33.1</td></tr><tr><td>ZPGJ08-04</td><td>8</td><td>4</td><td>6.5</td><td>35.1</td></tr><tr><td>ZPGJ08-06</td><td>8</td><td>6</td><td>6.5</td><td>39</td></tr><tr><td>ZPGJ10-06</td><td>10</td><td>6</td><td>8.1</td><td>37</td></tr><tr><td>ZPGJ10-08</td><td>10</td><td>8</td><td>7.5</td><td>42</td></tr><tr><td>ZPGJ12-06</td><td>12</td><td>6</td><td>7.5</td><td>38.5</td></tr><tr><td>ZPGJ12-08</td><td>12</td><td>8</td><td>7.8</td><td>40.5</td></tr><tr><td>ZPGJ12-10</td><td>12</td><td>10</td><td>7.5</td><td>46.2</td></tr></table>	Model	D1	D2	A	L	ZPGJ06-04	6	4	6.5	33.1	ZPGJ08-04	8	4	6.5	35.1	ZPGJ08-06	8	6	6.5	39	ZPGJ10-06	10	6	8.1	37	ZPGJ10-08	10	8	7.5	42	ZPGJ12-06	12	6	7.5	38.5	ZPGJ12-08	12	8	7.8	40.5	ZPGJ12-10	12	10	7.5	46.2	Main Dimension 
Model	D1	D2	A	L																																											
ZPGJ06-04	6	4	6.5	33.1																																											
ZPGJ08-04	8	4	6.5	35.1																																											
ZPGJ08-06	8	6	6.5	39																																											
ZPGJ10-06	10	6	8.1	37																																											
ZPGJ10-08	10	8	7.5	42																																											
ZPGJ12-06	12	6	7.5	38.5																																											
ZPGJ12-08	12	8	7.8	40.5																																											
ZPGJ12-10	12	10	7.5	46.2																																											

ZPLJ Rod Right-angle  ΦD	<table><tr><th>Model</th><th>D</th><th>A</th><th>L</th><th>d</th></tr><tr><td>ZPLJ04</td><td>04</td><td>18.8</td><td>35.1</td><td>3.2</td></tr><tr><td>ZPLJ06</td><td>06</td><td>18.7</td><td>34.8</td><td>3.2</td></tr><tr><td>ZPLJ08</td><td>08</td><td>22.8</td><td>40.8</td><td>3.2</td></tr><tr><td>ZPLJ10</td><td>10</td><td>27.4</td><td>46.3</td><td>4.1</td></tr><tr><td>ZPLJ12</td><td>12</td><td>29.3</td><td>50.1</td><td>4.2</td></tr></table>	Model	D	A	L	d	ZPLJ04	04	18.8	35.1	3.2	ZPLJ06	06	18.7	34.8	3.2	ZPLJ08	08	22.8	40.8	3.2	ZPLJ10	10	27.4	46.3	4.1	ZPLJ12	12	29.3	50.1	4.2	Main Dimension 
Model	D	A	L	d																												
ZPLJ04	04	18.8	35.1	3.2																												
ZPLJ06	06	18.7	34.8	3.2																												
ZPLJ08	08	22.8	40.8	3.2																												
ZPLJ10	10	27.4	46.3	4.1																												
ZPLJ12	12	29.3	50.1	4.2																												

ZPLK L-Shaped Insertion Fitting  ΦD	<table><tr><th>Model</th><th>D</th><th>L</th><th>C</th></tr><tr><td>ZPLK04-GR01</td><td>4</td><td>15.2</td><td>17.7</td></tr><tr><td>ZPLK06-GR01</td><td>6</td><td>17.5</td><td>19.2</td></tr><tr><td>ZPLK08-GR01</td><td>8</td><td>18</td><td>21.6</td></tr><tr><td>ZPLK10-GR01</td><td>10</td><td>19</td><td>25.5</td></tr><tr><td>ZPLK12-GR01</td><td>12</td><td>21</td><td>31</td></tr></table> <table><tr><td>ZPLK04-GR02</td><td>4</td><td>15.5</td><td>17.7</td></tr><tr><td>ZPLK06-GR02</td><td>6</td><td>17.8</td><td>19.2</td></tr><tr><td>ZPLK08-GR02</td><td>8</td><td>18.3</td><td>21.6</td></tr><tr><td>ZPLK10-GR02</td><td>10</td><td>19.3</td><td>25.5</td></tr><tr><td>ZPLK12-GR02</td><td>12</td><td>21.3</td><td>31</td></tr></table>	Model	D	L	C	ZPLK04-GR01	4	15.2	17.7	ZPLK06-GR01	6	17.5	19.2	ZPLK08-GR01	8	18	21.6	ZPLK10-GR01	10	19	25.5	ZPLK12-GR01	12	21	31	ZPLK04-GR02	4	15.5	17.7	ZPLK06-GR02	6	17.8	19.2	ZPLK08-GR02	8	18.3	21.6	ZPLK10-GR02	10	19.3	25.5	ZPLK12-GR02	12	21.3	31	Main Dimension 
Model	D	L	C																																											
ZPLK04-GR01	4	15.2	17.7																																											
ZPLK06-GR01	6	17.5	19.2																																											
ZPLK08-GR01	8	18	21.6																																											
ZPLK10-GR01	10	19	25.5																																											
ZPLK12-GR01	12	21	31																																											
ZPLK04-GR02	4	15.5	17.7																																											
ZPLK06-GR02	6	17.8	19.2																																											
ZPLK08-GR02	8	18.3	21.6																																											
ZPLK10-GR02	10	19.3	25.5																																											
ZPLK12-GR02	12	21.3	31																																											

○ Inch Tubing-NPT Thread

ZPC	Model	D(Inch)	R	A	L	S1	S2	Main Dimension
Straight-through threaded fitting	ZPC5/32-01T	5/32	NPT1/8	7.5	19.8	7/16	3/32	
	ZPC5/32-02T	5/32	NPT1/4	9.5	18.1	9/16	3/32	
	ZPC1/4-01T	1/4	NPT1/8	7.5	20.7	1/2	5/32	
	ZPC1/4-02T	1/4	NPT1/4	9.5	21.7	9/16	5/32	
	ZPC1/4-03T	1/4	NPT3/8	10.5	20.7	11/16	5/32	
	ZPC1/4-04T	1/4	NPT1/2	13.5	23.7	7/8	5/32	
	ZPC5/16-01T	5/16	NPT1/8	7.5	27	9/16	3/16	
	ZPC5/16-02T	5/16	NPT1/4	9.5	24.5	9/16	7/32	
	ZPC5/16-03T	5/16	NPT3/8	10.5	22.5	11/16	7/32	
	ZPC5/16-04T	5/16	NPT1/2	13.5	25	7/8	7/32	
	ZPC3/8-01T	3/8	NPT1/8	7.5	29.8	11/16	3/16	
	ZPC3/8-02T	3/8	NPT1/4	9.5	31.1	11/16	1/4	
	ZPC3/8-03T	3/8	NPT3/8	10.5	28	11/16	5/16	
	ZPC3/8-04T	3/8	NPT1/2	13.5	25.8	7/8	5/16	
	ZPC1/2-01T	1/2	NPT1/8	7.5	31.9	7/8	3/16	
	ZPC1/2-02T	1/2	NPT1/4	9.5	33.9	7/8	1/4	
	ZPC1/2-03T	1/2	NPT3/8	10.5	29.9	7/8	3/8	
	ZPC1/2-04T	1/2	NPT1/2	13.5	28.9	7/8	3/8	

ZPOC	Model	D	R	A	L	P	S	Main Dimension
Round straight-through fitting	ZPOC5/32-01T	5/32	NPT1/8	7.5	19.9	11	3/32	
	ZPOC5/32-02T	5/32	NPT1/4	9.5	18.2	14	3/32	
	ZPOC1/4-01T	1/4	NPT1/8	7.5	20.7	12	5/32	
	ZPOC1/4-02T	1/4	NPT1/4	9.5	21.7	14	5/32	
	ZPOC1/4-03T	1/4	NPT3/8	10.5	20.7	17.5	5/32	
	ZPOC1/4-04T	1/4	NPT1/2	13.5	23.7	22	5/32	
	ZPOC5/16-01T	5/16	NPT1/8	7.5	26.9	14	3/16	
	ZPOC5/16-02T	5/16	NPT1/4	9.5	24.4	14	7/32	
	ZPOC5/16-03T	5/16	NPT3/8	10.5	22.4	17.5	7/32	
	ZPOC5/16-04T	5/16	NPT1/2	13.5	24.9	22	7/32	
	ZPOC3/8-01T	3/8	NPT1/8	7.5	29.6	17	3/16	
	ZPOC3/8-02T	3/8	NPT1/4	9.5	31	17	1/4	
	ZPOC3/8-03T	3/8	NPT3/8	10.5	27.9	17.5	5/16	
	ZPOC3/8-04T	3/8	NPT1/2	13.5	25.7	22	5/16	
	ZPOC1/2-01T	1/2	NPT1/8	7.5	32.1	20	3/16	
	ZPOC1/2-02T	1/2	NPT1/4	9.5	34.1	20	1/4	
	ZPOC1/2-03T	1/2	NPT3/8	10.5	30.1	20	3/8	
	ZPOC1/2-04T	1/2	NPT1/2	13.5	29.1	22	3/8	

ZPCF	Model	D(Inch)	R	A	L	S(Inch)	Main Dimension
Internal threaded straight-through fitting	ZPCF5/32-01T	5/32	NPT1/8	8	24.1	1/2	
	ZPCF5/32-02T	5/32	NPT1/4	11	27.1	11/16	
	ZPCF1/4-01T	1/4	NPT1/8	8	24.9	1/2	
	ZPCF1/4-02T	1/4	NPT1/4	11	27.9	11/16	
	ZPCF1/4-03T	1/4	NPT3/8	12	28.9	7/8	
	ZPCF1/4-04T	1/4	NPT1/2	14	30.9	24 (Metric) mm	
	ZPCF5/16-01T	5/16	NPT1/8	8	27.3	9/16	
	ZPCF5/16-02T	5/16	NPT1/4	11	30.3	11/16	
	ZPCF5/16-03T	5/16	NPT3/8	12	31.3	7/8	
	ZPCF5/16-04T	5/16	NPT1/2	14	33.3	24 (Metric) mm	
	ZPCF3/8-01T	3/8	NPT1/8	8	30.2	11/16	
	ZPCF3/8-02T	3/8	NPT1/4	11	33.2	11/16	
	ZPCF3/8-03T	3/8	NPT3/8	12	34.2	7/8	
	ZPCF3/8-04T	3/8	NPT1/2	14	36.2	24 (Metric) mm	
	ZPCF1/2-01T	1/2	NPT1/8	8	31.7	7/8	
	ZPCF1/2-02T	1/2	NPT1/4	11	34.7	7/8	
	ZPCF1/2-03T	1/2	NPT3/8	12	35.7	7/8	
	ZPCF1/2-04T	1/2	NPT1/2	14	37.7	24 (Metric) mm	

ZPL	Model	D	R	A	L	C	S	d	Main Dimension
L-shaped threaded 2 way fitting	ZPL5/32-01T	5/32	NPT1/8	7.5	26.1	18.5	7/16	3.2	
	ZPL5/32-02T	5/32	NPT1/4	9.5	28.1	18.5	9/16	3.2	
	ZPL1/4-01T	1/4	NPT1/8	7.5	25.8	18.6	1/2	3.2	
	ZPL1/4-02T	1/4	NPT1/4	9.5	27.8	18.6	9/16	3.2	
	ZPL1/4-03T	1/4	NPT3/8	10.5	28.8	18.6	11/16	3.2	
	ZPL1/4-04T	1/4	NPT1/2	13.5	31.8	18.6	7/8	3.2	
	ZPL5/16-01T	5/16	NPT1/8	7.5	29.5	22.8	9/16	3.2	
	ZPL5/16-02T	5/16	NPT1/4	9.5	31.5	22.8	9/16	3.2	
	ZPL5/16-03T	5/16	NPT3/8	10.5	32.5	22.8	11/16	3.2	
	ZPL5/16-04T	5/16	NPT1/2	13.5	35.5	22.8	7/8	3.2	
	ZPL3/8-01T	3/8	NPT1/8	7.5	33.2	27.4	11/16	4.1	
	ZPL3/8-02T	3/8	NPT1/4	9.5	35.2	27.4	11/16	4.1	
	ZPL3/8-03T	3/8	NPT3/8	10.5	37.4	27.4	11/16	4.1	
	ZPL3/8-04T	3/8	NPT1/2	13.5	39.2	27.4	7/8	4.1	
	ZPL1/2-01T	1/2	NPT1/8	7.5	35.2	29.3	7/8	4.2	
	ZPL1/2-02T	1/2	NPT1/4	9.5	37.2	29.3	7/8	4.2	
	ZPL1/2-03T	1/2	NPT3/8	10.5	38.2	29.3	7/8	4.2	
	ZPL1/2-04T	1/2	NPT1/2	13.5	41.2	29.3	7/8	4.2	

○ Inch Tubing-NPT Thread

ZPLL	Model	D(Inch)	R	A	L	C	S(Inch)	d	Main Dimension
L-shaped extended threaded 2 way fitting	ZPLL5/32-01T	5/32	NPT1/8	7.5	36.5	18.5	7/16	3.2	
	ZPLL5/32-02T	5/32	NPT1/4	9.5	40	18.5	9/16	3.2	
	ZPLL1/4-01T	1/4	NPT1/8	7.5	38.8	18.6	1/2	3.2	
	ZPLL1/4-02T	1/4	NPT1/4	9.5	41.3	18.6	9/16	3.2	
	ZPLL1/4-03T	1/4	NPT3/8	10.5	42.8	18.6	11/16	3.2	
	ZPLL1/4-04T	1/4	NPT1/2	13.5	46.8	18.6	7/8	3.2	
	ZPLL5/16-01T	5/16	NPT1/8	7.5	44.6	22.8	9/16	3.2	
	ZPLL5/16-02T	5/16	NPT1/4	9.5	45.1	22.8	9/16	3.2	
	ZPLL5/16-03T	5/16	NPT3/8	10.5	46.6	22.8	11/16	3.2	
	ZPLL5/16-04T	5/16	NPT1/2	13.5	50.6	22.8	7/8	3.2	
	ZPLL3/8-01T	3/8	NPT1/8	7.5	53.2	27.4	11/16	4.1	
	ZPLL3/8-02T	3/8	NPT1/4	9.5	55.7	27.4	11/16	4.1	
	ZPLL3/8-03T	3/8	NPT3/8	10.5	56.2	27.4	11/16	4.1	
	ZPLL3/8-04T	3/8	NPT1/2	13.5	59.2	27.4	7/8	4.1	
	ZPLL1/2-02T	1/2	NPT1/4	9.5	60.7	29.3	7/8	4.2	
	ZPLL1/2-03T	1/2	NPT3/8	10.5	61.7	29.3	7/8	4.2	
	ZPLL1/2-04T	1/2	NPT1/2	13.5	64.2	29.3	7/8	4.2	

ZPLF	Model	D(Inch)	R	A	L	C	S(Inch)	d	Main Dimension
L-shaped internal threaded 2 way fitting	ZPLF5/32-01T	5/32	PT1/8	7	24.6	18.5	1/2	3.2	
	ZPLF5/32-02T	5/32	PT1/4	10	27.6	18.5	11/16	3.2	
	ZPLF1/4-01T	1/4	PT1/8	7	24.3	18.6	1/2	3.2	
	ZPLF1/4-02T	1/4	PT1/4	10	27.3	18.6	11/16	3.2	
	ZPLF1/4-03T	1/4	PT3/8	11	28.3	18.6	7/8	3.2	
	ZPLF1/4-04T	1/4	PT1/2	13	30.3	18.6	24 (Metric) mm	3.2	
	ZPLF5/16-01T	5/16	PT1/8	7	28.2	22.8	9/16	3.2	
	ZPLF5/16-02T	5/16	PT1/4	10	31.2	22.8	11/16	3.2	
	ZPLF5/16-03T	5/16	PT3/8	11	32.2	22.8	7/8	3.2	
	ZPLF5/16-04T	5/16	PT1/2	13	34.2	22.8	24 (Metric) mm	3.2	
	ZPLF3/8-01T	3/8	PT1/8	7	31.7	27.4	11/16	4.1	
	ZPLF3/8-02T	3/8	PT1/4	10	34.7	27.4	11/16	4.1	
	ZPLF3/8-03T	3/8	PT3/8	11	35.7	27.4	7/8	4.1	
	ZPLF3/8-04T	3/8	PT1/2	13	37.7	27.4	24 (Metric) mm	4.1	
	ZPLF1/2-01T	1/2	PT1/8	7	31.7	29.3	7/8	4.2	
	ZPLF1/2-02T	1/2	PT1/4	10	36.7	29.3	7/8	4.2	
	ZPLF1/2-03T	1/2	PT3/8	11	37.7	29.3	7/8	4.2	
	ZPLF1/2-04T	1/2	PT1/2	13	39.7	29.3	24 (Metric) mm	4.2	

ZPD	Model	D(Inch)	R	A	B	L	S(Inch)	d	F	Main Dimension
T-type branch threaded 3 way fitting	ZPD5/32-01T	5/32	NPT1/8	7.5	25.8	18.5	7/16	3.2	14	
	ZPD5/32-02T	5/32	NPT1/4	9.5	27.8	18.5	9/16	3.2	14	
	ZPD1/4-01T	1/4	NPT1/8	7.5	26.3	19.1	1/2	3.3	16	
	ZPD1/4-02T	1/4	NPT1/4	9.5	28.3	19.1	9/16	3.3	16	
	ZPD1/4-03T	1/4	NPT3/8	10.5	29.3	19.1	11/16	3.3	16	
	ZPD1/4-04T	1/4	NPT1/2	13.5	32.3	19.1	7/8	3.3	16	
	ZPD5/16-01T	5/16	NPT1/8	7.5	28.9	22.4	9/16	4.4	18.3	
	ZPD5/16-02T	5/16	NPT1/4	9.5	30.9	22.4	9/16	4.4	18.3	
	ZPD5/16-03T	5/16	NPT3/8	10.5	31.9	22.4	11/16	4.4	18.3	
	ZPD5/16-04T	5/16	NPT1/2	13.5	34.9	22.4	7/8	4.4	18.3	
	ZPD3/8-01T	3/8	NPT1/8	7.5	33.9	28.2	11/16	4.2	23.5	
	ZPD3/8-02T	3/8	NPT1/4	9.5	35.9	28.2	11/16	4.2	23.5	
	ZPD3/8-03T	3/8	NPT3/8	10.5	36.9	28.2	11/16	4.2	23.5	
	ZPD3/8-04T	3/8	NPT1/2	13.5	39.9	28.2	7/8	4.2	23.5	
	ZPD1/2-01T	1/2	NPT1/8	7.5	35.1	29.2	7/8	4.3	27	
	ZPD1/2-02T	1/2	NPT1/4	9.5	37.1	29.2	7/8	4.3	27	
	ZPD1/2-03T	1/2	NPT3/8	10.5	38.1	29.2	7/8	4.3	27	
ZPD1/2-04T	1/2	NPT1/2	13.5	41.1	29.2	7/8	4.3	27		

○ Inch Tubing-NPT Thread

ZPWT	Model	D(Inch)	R	A	L	S(Inch)	Main Dimension
Y-type threaded 3 way fitting	ZPWT5/32-01T	5/32	NPT1/8	7.5	42.8	7/16	
	ZPWT5/32-02T	5/32	NPT1/4	9.5	44.8	9/16	
	ZPWT1/4-01T	1/4	NPT1/8	7.5	43.3	1/2	
	ZPWT1/4-02T	1/4	NPT1/4	9.5	45.3	9/16	
	ZPWT1/4-03T	1/4	NPT3/8	10.5	46.3	11/16	
	ZPWT1/4-04T	1/4	NPT1/2	13.5	49.3	7/8	
	ZPWT5/16-01T	5/16	NPT1/8	7.5	46.7	9/16	
	ZPWT5/16-02T	5/16	NPT1/4	9.5	48.7	9/16	
	ZPWT5/16-03T	5/16	NPT3/8	10.5	49.7	11/16	
	ZPWT5/16-04T	5/16	NPT1/2	13.5	52.7	7/8	
	ZPWT3/8-01T	3/8	NPT1/8	7.5	55.5	11/16	
	ZPWT3/8-02T	3/8	NPT1/4	9.5	57.5	11/16	
	ZPWT3/8-03T	3/8	NPT3/8	10.5	58.5	11/16	
	ZPWT3/8-04T	3/8	NPT1/2	13.5	61.5	7/8	
	ZPWT1/2-01T	1/2	NPT1/8	7.5	57.6	7/8	
	ZPWT1/2-02T	1/2	NPT1/4	9.5	61.4	7/8	
	ZPWT1/2-03T	1/2	NPT3/8	10.5	62.4	7/8	
	ZPWT1/2-04T	1/2	NPT1/2	13.5	65.4	7/8	

ZPH	Model	D(Inch)	R	A	B	S	L	Main Dimension
External hexagonal fitting	ZPH5/32-01T	5/32	NPT1/8	7	22	10	23.4	
	ZPH5/32-02T	5/32	NPT1/4	9	23.8	14	26.3	
	ZPH1/4-01T	1/4	NPT1/8	7	22.9	10	23.4	
	ZPH1/4-02T	1/4	NPT1/4	9	24.8	14	26.3	
	ZPH1/4-03T	1/4	NPT3/8	10	26.5	19	31.9	
	ZPH1/4-04T	1/4	NPT1/2	13	29.7	24	38.6	
	ZPH5/16-01T	5/16	NPT1/8	7	25.4	10	23.4	
	ZPH5/16-02T	5/16	NPT1/4	9	28.5	14	26.3	
	ZPH5/16-03T	5/16	NPT3/8	10	29.3	19	31.9	
	ZPH5/16-04T	5/16	NPT1/2	13	32.4	24	38.6	
	ZPH3/8-01T	3/8	NPT1/8	7	30.2	10	23.4	
	ZPH3/8-02T	3/8	NPT1/4	9	32	14	26.3	
	ZPH3/8-03T	3/8	NPT3/8	10	32.9	19	31.9	
	ZPH3/8-04T	3/8	NPT1/2	13	35.8	24	38.6	
	ZPH1/2-02T	1/2	NPT1/4	9	33.1	14	26.3	
	ZPH1/2-03T	1/2	NPT3/8	10	35.4	19	31.9	
	ZPH1/2-04T	1/2	NPT1/2	13	36.5	24	38.6	

ZPHF	Model	D(Inch)	R	A	B	S	F	L	Main Dimension
Series fitting	ZPHF5/32-01T	5/32	NPT1/8	7	22	12	7	28.1	
	ZPHF5/32-02T	5/32	NPT1/4	9	23.8	17	10	33	
	ZPHF1/4-01T	1/4	NPT1/8	7	22.9	12	7	28.1	
	ZPHF1/4-02T	1/4	NPT1/4	9	24.8	17	10	33	
	ZPHF1/4-03T	1/4	NPT3/8	10	26.5	20	11	39	
	ZPHF1/4-04T	1/4	NPT1/2	13	29.7	24	13	46.7	
	ZPHF5/16-01T	5/16	NPT1/8	7	25.4	12	7	28.1	
	ZPHF5/16-02T	5/16	NPT1/4	9	28.5	17	10	33	
	ZPHF5/16-03T	5/16	NPT3/8	10	29.3	20	11	39	
	ZPHF5/16-04T	5/16	NPT1/2	13	32.4	24	13	46.7	
	ZPHF3/8-01T	3/8	NPT1/8	7	30.2	12	7	28.1	
	ZPHF3/8-02T	3/8	NPT1/4	9	32	17	10	33	
	ZPHF3/8-03T	3/8	NPT3/8	10	32.9	20	11	39	
	ZPHF3/8-04T	3/8	NPT1/2	13	35.8	24	13	46.7	
	ZPHF1/2-02T	1/2	NPT1/4	9	33.1	17	10	33	
	ZPHF1/2-03T	1/2	NPT3/8	10	35.4	20	11	39	
	ZPHF1/2-04T	1/2	NPT1/2	13	36.5	24	13	46.7	

○ Inch Tubing-G Thread

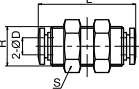
ZPC	Model	D(Inch)	R	A	L	S1	S2	Main Dimension
Straight-through threaded fitting	ZPC5/32-01G	5/32	G1/8	5	18.9	12	3	
	ZPC5/32-02G	5/32	G1/4	6.5	17.9	17	3	
	ZPC1/4-01G	1/4	G1/8	5	19.8	12	4	
	ZPC1/4-02G	1/4	G1/4	6.5	20.8	17	4	
	ZPC1/4-03G	1/4	G3/8	7	20.3	20	4	
	ZPC1/4-04G	1/4	G1/2	10	22.8	24	4	
	ZPC5/16-01G	5/16	G1/8	5	25.9	14	5	
	ZPC5/16-02G	5/16	G1/4	6.5	23.4	17	6	
	ZPC5/16-03G	5/16	G3/8	7	22.9	20	6	
	ZPC5/16-04G	5/16	G1/2	10	23.9	24	6	
	ZPC3/8-01G	3/8	G1/8	5	28.1	17	5	
	ZPC3/8-02G	3/8	G1/4	6.5	29.6	17	6	
	ZPC3/8-03G	3/8	G3/8	7	26.3	20	8	
	ZPC3/8-04G	3/8	G1/2	10	26.3	24	8	
	ZPC1/2-01G	1/2	G1/8	5	30.4	20	5	
	ZPC1/2-02G	1/2	G1/4	6.5	31.9	20	6	
	ZPC1/2-03G	1/2	G3/8	7	29.9	20	8	
	ZPC1/2-04G	1/2	G1/2	10	30.9	24	10	

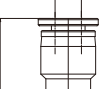
ZPCF	Model	D(Inch)	R	A	L	S(Inch)	Main Dimension
Internal threaded straight-through fitting	ZPCF5/32-01G	5/32	G1/8	7	24.4	12	
	ZPCF5/32-02C	5/32	G1/4	10	27.4	17	
	ZPCF1/4-01G	1/4	G1/8	7	24.9	12	
	ZPCF1/4-02G	1/4	G1/4	10	27.9	17	
	ZPCF1/4-03G	1/4	G3/8	11	28.9	20	
	ZPCF1/4-04G	1/4	G1/2	13	30.9	24	
	ZPCF5/16-01G	5/16	G1/8	7	27.4	14	
	ZPCF5/16-02G	5/16	G1/4	10	30.4	17	
	ZPCF5/16-03G	5/16	G3/8	11	31.4	20	
	ZPCF5/16-04G	5/16	G1/2	13	33.4	24	
	ZPCF3/8-01G	3/8	G1/8	7	30.1	17	
	ZPCF3/8-02G	3/8	G1/4	10	33.1	17	
	ZPCF3/8-03G	3/8	G3/8	11	34.1	20	
	ZPCF3/8-04G	3/8	G1/2	13	36.1	24	
	ZPCF1/2-01G	1/2	G1/8	7	31.7	20	
	ZPCF1/2-02G	1/2	G1/4	10	34.7	20	
	ZPCF1/2-03G	1/2	G3/8	11	35.7	20	
	ZPCF1/2-04G	1/2	G1/2	13	37.7	24	

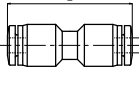
ZPOC	Model	D(Inch)	R	A	L	P	S	Main Dimension
Round straight through fitting	ZPOC5/32-01G	5/32	G1/8	5	18.9	12	3	
	ZPOC5/32-02G	5/32	G1/4	6.5	17.9	17	3	
	ZPOC1/4-01G	1/4	G1/8	5	19.8	12	4	
	ZPOC1/4-02G	1/4	G1/4	6.5	20.8	17	4	
	ZPOC1/4-03G	1/4	G3/8	7	20.3	20	4	
	ZPOC1/4-04G	1/4	G1/2	10	22.8	24	4	
	ZPOC5/16-01G	5/16	G1/8	5	25.9	14	5	
	ZPOC5/16-02G	5/16	G1/4	6.5	23.4	17	6	
	ZPOC5/16-03G	5/16	G3/8	7	22.9	20	6	
	ZPOC5/16-04G	5/16	G1/2	10	23.9	24	6	
	ZPOC3/8-01G	3/8	G1/8	5	28.1	17	5	
	ZPOC3/8-02G	3/8	G1/4	6.5	29.6	17	6	
	ZPOC3/8-03G	3/8	G3/8	7	26.3	20	8	
	ZPOC3/8-04G	3/8	G1/2	10	26.3	24	8	
	ZPOC1/2-01G	1/2	G1/8	5	30.4	20	5	
	ZPOC1/2-02G	1/2	G1/4	6.5	32.4	20	6	
	ZPOC1/2-03G	1/2	G3/8	7	29.9	20	8	
	ZPOC1/2-04G	1/2	G1/2	10	30.9	24	10	

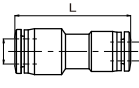
ZPL	Model	D(Inch)	R	A	L	C	S	d	Main Dimension
L-shaped threaded 2 way fitting	ZPL5/32-01G	5/32	G1/8	5	23.6	18.5	12	3.3	
	ZPL5/32-02G	5/32	G1/4	6.5	25.1	18.5	17	3.3	
	ZPL5/32-M5	5/32	M5	3.5	23.1	18.5	10	3.3	
	ZPL1/4-01G	1/4	G1/8	5	23.3	18.6	12	3.2	
	ZPL1/4-02G	1/4	G1/4	6.5	24.8	18.6	17	3.2	
	ZPL1/4-03G	1/4	G3/8	7	25.3	18.6	20	3.2	
	ZPL1/4-04G	1/4	G1/2	10	29.3	18.6	24	3.2	
	ZPL5/16-01G	5/16	G1/8	5	27	22.8	14	3.2	
	ZPL5/16-02G	5/16	G1/4	6.5	28.5	22.8	17	3.2	
	ZPL5/16-03G	5/16	G3/8	7	29	22.8	20	3.2	
	ZPL5/16-04G	5/16	G1/2	10	33	22.8	24	3.2	
	ZPL3/8-01G	3/8	G1/8	5	30.7	27.4	17	4.1	
	ZPL3/8-02G	3/8	G1/4	6.5	32.2	27.4	17	4.1	
	ZPL3/8-03G	3/8	G3/8	7	32.7	27.4	20	4.1	
	ZPL3/8-04G	3/8	G1/2	10	37.7	27.4	24	4.1	
	ZPL1/2-01G	1/2	G1/8	5	32.7	29.3	19	4.2	
	ZPL1/2-02G	1/2	G1/4	6.5	34.2	29.3	19	4.2	
	ZPL1/2-03G	1/2	G3/8	7	34.7	29.3	20	4.2	
	ZPL1/2-04G	1/2	G1/2	10	38.7	29.3	24	4.2	

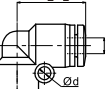
○ Inch Tubing

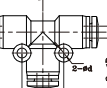
ZPM	Model	D	R	S	L	Main Dimension
	ZPM1/8	1/8	M12X1	14	31.7	
	ZPM5/32	5/32	M12X1	14	32.1	
	ZPM1/4	1/4	M14X1	17	33.6	
	ZPM5/16	5/16	M16X1	19	36.2	
	ZPM3/8	3/8	M20X1	24	41.3	
	ZPM1/2	1/2	M22X1	27	46.5	

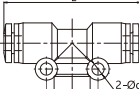
ZPPF	Model	D(Inch)	L	Main Dimension
	ZPPF1/8	1/8	17.2	
	ZPPF5/32	5/32	17.2	
	ZPPF1/4	1/4	17.7	
	ZPPF5/16	5/16	19.6	
	ZPPF3/8	3/8	24	
	ZPPF1/2	1/2	25.3	

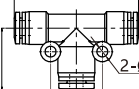
ZPU	Model	D(Inch)	L	Main Dimension
	ZPU1/8	1/8	33.6	
	ZPU5/32	5/32	34.0	
	ZPU1/4	1/4	33.40	
	ZPU5/16	5/16	38.1	
	ZPU3/8	3/8	43.1	
	ZPU1/2	1/2	47.8	

ZPG	Model	D1	D2	L	Main Dimension
	ZPG5/32-1/8	5/32	1/8	33.9	
	ZPG1/4-1/8	1/4	1/8	33.8	
	ZPG1/4-5/32	1/4	5/32	34.0	
	ZPG5/16-1/8	5/16	1/8	37.5	
	ZPG5/16-5/32	5/16	5/32	37.6	
	ZPG5/16-1/4	5/16	1/4	37.5	
	ZPG3/8-1/4	3/8	1/4	41.8	
	ZPG3/8-5/16	3/8	5/16	42.6	
	ZPG1/2-5/16	1/2	5/16	46.8	
	ZPG1/2-3/8	1/2	3/8	47.8	

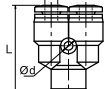
ZPV	Model	D(Inch)	L	d	Main Dimension
	ZPV1/8	1/8	18.4	3.4	
	ZPV5/32	5/32	18.7	3.4	
	ZPV1/4	1/4	18.5	3.3	
	ZPV5/16	5/16	22.8	3.2	
	ZPV3/8	3/8	27.6	4.2	
	ZPV1/2	1/2	29.2	4.2	

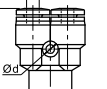
ZPE	Model	D	L	d	A	Main Dimension
	ZPE1/8	1/8	18.4	3.2	14	
	ZPE5/32	5/32	18.5	3.2	14	
	ZPE1/4	1/4	19.1	3.4	16	
	ZPE5/16	5/16	22.4	4.5	18.5	
	ZPE3/8	3/8	28.2	4.2	23.5	
	ZPE1/2	1/2	29.2	4.3	26.8	

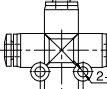
ZPEG	Model	D1	D2	E	L	d	A	Main Dimension
	ZPEG1/4-1/8	1/4	1/8	19	38	3.1	15.7	
	ZPEG1/4-5/32	1/4	5/32	19	38	3.1	15.7	
	ZPEG5/16-1/8	5/16	1/8	20.9	45	3.1	15.7	
	ZPEG5/16-5/32	5/16	5/32	21	45	3.1	17.7	
	ZPEG5/16-1/4	5/16	1/4	21.1	45	3.1	17.7	
	ZPEG3/8-1/4	3/8	1/4	24	50.8	4.3	18.6	
	ZPEG3/8-5/16	3/8	5/16	22.7	55.7	4.2	17.7	
	ZPEG1/2-3/8	1/2	3/8	28.9	58	4.2	26.8	

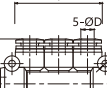
ZPEW	Model	D1	D2	E	L	d	A	Main Dimension
	ZPEW1/4-5/32	1/4	5/32	19.3	38	3.1	15.9	
	ZPEW5/16-1/4	5/16	1/4	23	44	3.2	17.8	
	ZPEW3/8-1/4	3/8	1/4	28.7	54	4.2	23.7	
	ZPEW3/8-5/16	3/8	5/16	28.7	55.4	4.2	23.7	
	ZPEW1/2-3/8	1/2	3/8	29.5	58.5	4.2	26.7	

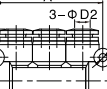
○ Inch Tubing

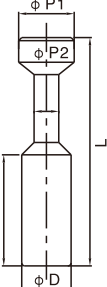
ZPY	Model	D(Inch)	L	d	Main Dimension
	ZPY1/8	1/8	35.0	3.2	
	ZPY5/32	5/32	35.5	3.2	
	ZPY1/4	1/4	36.1	3.2	
	ZPY5/16	5/16	40.0	3.2	
	ZPY3/8	3/8	49.5	4.3	
	ZPY1/2	1/2	53.2	4.2	

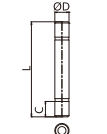
ZPW	Model	D1	D2	L	d	Main Dimension
	ZPW1/4-5/32	1/4	5/32	36.6	3.2	
	ZPW5/16-5/32	5/16	5/32	39.2	3.2	
	ZPW5/16-1/4	5/16	1/4	39.7	3.2	
	ZPW3/8-1/4	3/8	1/4	45.6	3.2	
	ZPW3/8-5/16	3/8	5/16	49	4.2	
	ZPW1/2-5/16	1/2	5/16	52.1	4.2	
	ZPW1/2-3/8	1/2	3/8	52.9	4.2	

ZPZA	Model	D(Inch)	L	d	A	Main Dimension
	ZPZA5/32	5/32	37.6	3.2	15.8	
	ZPZA1/4	1/4	38	3.2	15.8	
	ZPZA5/16	5/16	45.2	3.4	17.7	
	ZPZA3/8	3/8	56.1	4.2	23.6	
	ZPZA1/2	1/2	58.2	4.3	26.5	

ZPK	Model	D	L	d	F	E	Main Dimension
	ZPK1/8	1/8	56.2	3.2	35.6	19	
	ZPK5/32	5/32	56.5	3.2	35.6	19.2	
	ZPK1/4	1/4	60.8	3.2	41.7	20.2	
	ZPK5/16	5/16	80.6	4.2	47.7	24.5	
	ZPK3/8	3/8	87.5	4.2	57.5	26.1	
	ZPK1/2	1/2	101.5	4.2	67.0	30.1	

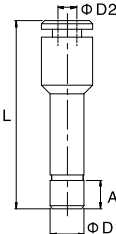
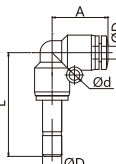
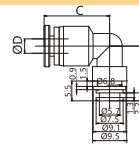
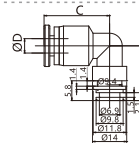
ZPKG	Model	D1(Inch)	D2(Inch)	L	d	E	A	Main Dimension
	ZPKG1/4-5/32	1/4	5/32	56.7	3.2	19	35.7	
	ZPKG5/16-5/32	5/16	5/32	62.2	3.2	20.3	41.7	
	ZPKG5/16-1/4	5/16	1/4	62.2	3.2	20	41.7	
	ZPKG3/8-1/4	3/8	1/4	82.1	4.3	23.6	47.5	
	ZPKG3/8-5/16	3/8	5/16	82.1	4.3	24.5	47.5	

ZPP	Model	D(Inch)	L	C	P1	P2	Main Dimension
	ZPP1/8	1/8	27.3	15	4.5	2.5	
	ZPP5/32	5/32	27.3	15	5	3	
	ZPP1/4	1/4	32.8	15.6	6.8	2.9	
	ZPP5/16	5/16	35.7	18	8.8	3.8	
	ZPP3/8	3/8	41.4	20.5	10.6	4.5	
	ZPP1/2	1/2	43.3	22.5	12.5	5.6	

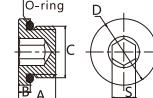
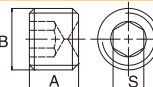
ZPIJ	Model	C	D(Inch)	L	Main Dimension
	ZPIJ5/32	6.3	5/32	39	
	ZPIJ1/4	6.5	1/4	40	
	ZPIJ5/16	6.7	5/16	45	
	ZPIJ3/8	7.8	3/8	46	
	ZPIJ1/2	8	1/2	52	



☉ Inch Tubing-G Thread

ZPGJ		Model	D1(Inch)	D2(Inch)	A	L	Main Dimension
Reduced diameter metal through-rod fittings		ZPGJ1/4-5/32	1/4	5/32	6.5	33.2	
		ZPGJ5/16-5/32	5/16	5/32	6.5	34.9	
		ZPGJ5/16-1/4	5/16	1/4	6.5	39	
		ZPGJ3/8-1/4	3/8	1/4	8.1	36.8	
		ZPGJ1/2-1/4	1/2	1/4	7.8	38.1	
		ZPGJ1/2-5/16	1/2	5/16	7.8	40.2	
		ZPGJ1/2-3/8	1/2	3/8	7.8	46.4	
							
ZPLJ		Model	D(Inch)	A	L	d	Main Dimension
Rod Right-angle		ZPLJ5/32	5/32	18.5	35.1	3.2	
		ZPLJ1/4	1/4	18.6	34.8	3.2	
		ZPLJ5/16	5/16	22.8	40.8	3.2	
		ZPLJ3/8	3/8	27.4	46.3	4.1	
		ZPLJ1/2	1/2	29.3	50.1	4.2	
							
ZPLK		Model	D(Inch)	B	C	Main Dimension	
L-Shaped Insertion Fitting		ZPLK5/32-GR01	5/32	15.2	17.7		
		ZPLK1/4-GR01	1/4	17.5	19.2		
		ZPLK5/16-GR01	5/16	18	21.6		
		ZPLK3/8-GR01	3/8	19	25.5		
		ZPLK1/2-GR01	1/2	21	31		
		ZPLK5/32-GR02	5/32	15.5	17.7		
		ZPLK1/4-GR02	1/4	17.8	19.2		
		ZPLK5/16-GR02	5/16	18.3	21.6		
		ZPLK3/8-GR02	3/8	19.3	25.5		
		ZPLK1/2-GR02	1/2	21.3	31		
							

☉ Plug

GSC	Model	A	B	C	D	S	Main Dimension
	GSC5-P01	5.1	1.5	M5x0.8	7.8	3	
	GSC7-P01	7.8	3	M7x1	10	3	
	GSC1/8-P01	7	2	G1/8	12	5	
	GSC1/4-P01	9.5	3	G1/4	17	6	
	GSC3/8-P01	10.5	3.5	G3/8	20	8	
GSC	Model	A	B	S	Main Dimension		
	GSC5X4N	5	M5	2.5			
	GSC1/8X7N	7	G1/8	5			
	GSC1/4X8N	8	G1/4	6			
	GSC3/8X10N	10	G3/8	8			
	GSC1/2X12N	12	G1/2	10			

☉ How to Order?

Series No.	O.D. Tube		—	Thread Size	—	Thread Type	Ways
EHVFS	04: 4mm	5/32:	5/32"	01:	1/8 "	Blank: G P: PT	Blank: 3 ways B: 2 ways
	06: 6mm	1/4:	1/4"	02:	1/4 "		
	08: 8mm	5/16:	5/16"	03:	3/8 "		
	10: 10mm	3/8:	3/8"	04:	1/2 "		
	12: 12mm	1/2:	1/2"				

Order example:
EHVFS series plastic fitting, for 6mm O.D. Tube, G1/8" Thread Size, ERP code is EHVFS06-01G

Series No.	Thread Size	—	Thread Size	—	Thread Type	Ways
EHVSS	01: 1/8 "		01: 1/8 "		Blank: G P: PT	Blank: 3 ways B: 2 ways
	02: 1/4 "		02: 1/4 "			
	03: 3/8 "		03: 3/8 "			
	04: 1/2 "		04: 1/2 "			

Order example:
EHVSS series plastic fitting, for G1/8 " Thread Size, G1/8" Thread Size, ERP code is EHVSS01-01G

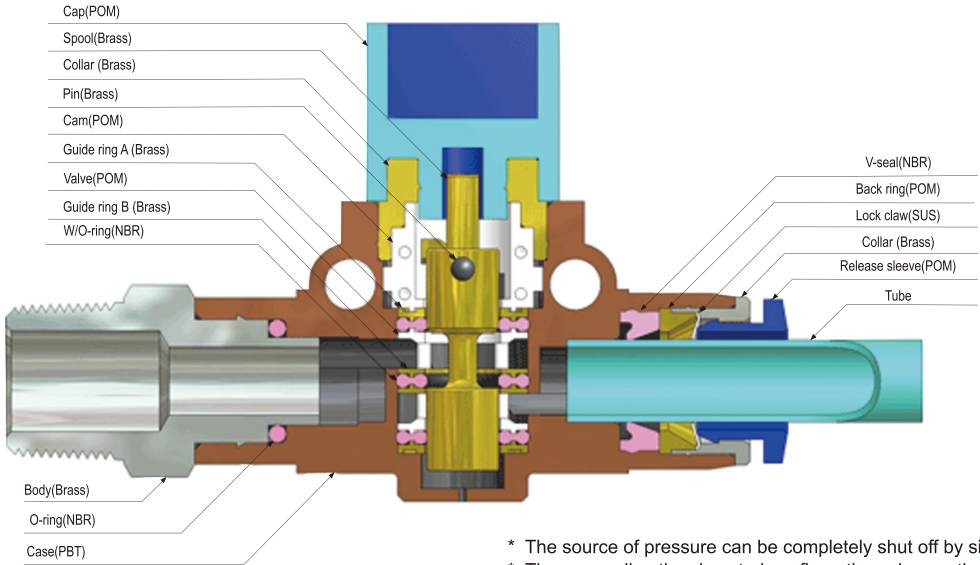
Series No.	O.D. Tube	—	O.D. Tube	Ways
EHVFF	04: 4mm	5/32:	5/32"	Blank: 3 ways B: 2 ways
	06: 6mm	1/4:	1/4"	
	08: 8mm	5/16:	5/16"	
	10: 10mm	3/8:	3/8"	
	12: 12mm	1/2:	1/2"	

Order example:
EHVFF series plastic fitting, for 6mm O.D. Tube, 4mmO.D. Tube, ERP code is EHVFF06-04

☉ Specifications

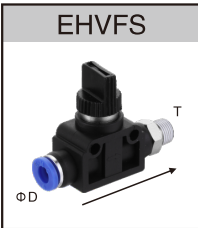
Working medium	Air, Vacuum
Working pressure (MPa)	0~0.8
Guaranteed pressure (MPa)	1.2
Working temperature (°C)	0~60
Tube material	Nylon PU tube

☉ Internal Structure

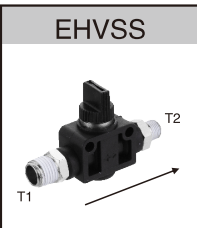


- * The source of pressure can be completely shut off by simply turning the knob.
- * Three-way directional control configuration releases the residual internal pressure on the output side when manually closed.
- * Ideal for inspecting or repairing any devices without compromising the safety.
- * Directionality of airflow may be selected from the tubing or threaded input side to the tubing or threaded output side.

Hand Valve



MODEL[ΦD-T]		
Tube(Metric)		Thread(PT)
EHVFS 06-01P	EHVFS 10-02P	EHVFS 12-02P
EHVFS 06-02P	EHVFS 10-03P	EHVFS 12-03P
EHVFS 06-03P	EHVFS 10-04P	
EHVFS 08-01P		
EHVFS 08-02P		
EHVFS 08-03P		



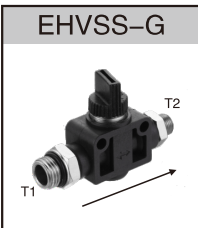
MODEL[T1-T2]	
Thread(PT)	
EHVSS 01-01P	EHVSS 04-03P
EHVSS 02-01P	EHVSS 04-04P
EHVSS 02-02P	
EHVSS 03-02P	
EHVSS 03-03P	



MODEL[ΦD1-ΦD2]	
Tube(Metric)	
EHVFF 06-06	EHVFF 12-10
EHVFF 08-06	EHVFF 12-12
EHVFF 08-08	
EHVFF 10-08	
EHVFF 10-10	



MODEL[T-ΦD]		
Tube(Metric)		Thread(G)
EHVFS06-01G	EHVFS08-03G	EHVFS12-02G
EHVFS06-02G	EHVFS10-02G	EHVFS12-03G
EHVFS06-03G	EHVFS10-03G	EHVFS12-04G
EHVFS08-01G	EHVFS10-04G	
EHVFS08-02G		



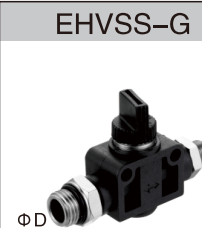
MODEL[ΦT1-ΦT2]	
Thread(G)	
EHVSS 01-02G	EHVSS 04-03G
EHVSS 02-01G	EHVSS 04-04G
EHVSS 02-02G	
EHVSS 03-02G	
EHVSS 03-03G	

Main Dimension

EHVFS	Model	C	d	E	F	L	M	R	A	H	Main Dimension
	EHVFS06-01P	6	4.2	16.5	24	58.2	18	PT1/8	7.5	40.5	
	EHVFS06-02P	6	4.2	16.5	24	60.2	18	PT1/4	9.5	40.5	
	EHVFS06-03P	6	4.2	16.5	24	61.2	18	PT3/8	10.5	40.5	
	EHVFS08-01P	8	4.2	16.5	24	59.2	18	PT1/8	7.5	40.5	
	EHVFS08-02P	8	4.2	16.5	24	61.2	18	PT1/4	9.5	40.5	
	EHVFS08-03P	8	4.2	16.5	24	62.2	18	PT3/8	10.5	40.5	
	EHVFS10-02P	10	4.2	21.5	29	71.2	22	PT1/4	9.5	45	
	EHVFS10-03P	10	4.2	21.5	29	72.2	22	PT3/8	10.5	45	
	EHVFS10-04P	10	4.2	21.5	29	75.2	22	PT1/2	13.5	45	
	EHVFS12-02P	12	4.2	21.5	29	71.2	22	PT1/4	9.5	45	
	EHVFS12-03P	12	4.2	21.5	29	72.2	22	PT3/8	10.5	45	

EHVFF	Model	C	D	P	d	E	F	L	M	H	Main Dimension
	EHVFF06-06	6	6	15	4.2	16.5	24	51	18	40.5	
	EHVFF08-06	8	6	15	4.2	16.5	24	52	18	40.5	
	EHVFF08-08	8	8	15	4.2	16.5	24	53	18	40.5	
	EHVFF10-08	10	8	21	4.2	21.5	29	63	22	45	
	EHVFF10-10	10	10	21	4.2	21.5	29	63	22	45	
	EHVFF12-10	12	10	21	4.2	21.5	29	64	22	45	
	EHVFS12-12	12	12	21	4.2	21.5	29	64	22	45	

Main Dimension



EHVSS-G	Model	H	d	E	F	L	M	R1	A	R2	B	Main Dimension
	EHVSS01-01G	40.5	4.2	16.5	24	60.4	18	G1/8	5	G1/8	5	
	EHVSS02-01G	40.5	4.2	16.5	24	61.9	18	G1/4	6.5	G1/8	5	
	EHVFS02-02G	40.5	4.2	16.5	24	63.4	18	G1/4	6.5	G1/4	6.5	
	EHVFS03-02G	45	4.2	16.5	24	73.9	18	G3/8	7	G1/4	6.5	
	EHVFS03-03G	45	4.2	16.5	24	74.4	18	G3/8	7	G3/8	7	
	EHVFS04-03G	45	4.2	16.5	24	78.4	18	G1/2	10	G3/8	7	
	EHVFS04-04G	45	4.2	21.5	29	81.4	22	G1/2	10	G1/2	10	



EHVSS	Model	H	d	E	F	L	M	R1	A	R2	B	Main Dimension
	EHVSS01-01P	40.5	4.2	16.5	24	65.4	18	PT1/8	5	PT1/8	7.5	
	EHVSS02-01P	40.5	4.2	16.5	24	67.4	18	PT1/4	6.5	PT1/8	7.5	
	EHVFS02-02P	40.5	4.2	16.5	24	69.4	18	PT1/4	6.5	PT1/4	9.5	
	EHVFS03-02P	45	4.2	16.5	24	80.4	18	PT3/8	7	PT1/4	9.5	
	EHVFS03-03P	45	4.2	16.5	24	81.4	18	PT3/8	7	PT3/8	10.5	
	EHVFS04-03P	45	4.2	16.5	24	84.4	18	PT1/2	10	PT3/8	10.5	
	EHVFS04-04P	45	4.2	21.5	29	87.4	22	PT1/2	10	PT1/2	13.5	



EHVFS-G	Model	C	d	E	F	L	M	R	A	H	Main Dimension
	EHVFS06-01G	6	4.2	16.5	24	55.7	18	G1/8	5	40.5	
	EHVFS06-02G	6	4.2	16.5	24	57.2	18	G1/4	6.5	40.5	
	EHVFS06-03G	6	4.2	16.5	24	57.7	18	G3/8	7	40.5	
	EHVFS08-01G	8	4.2	16.5	24	56.7	18	G1/8	5	40.5	
	EHVFS08-02G	8	4.2	16.5	24	58.2	18	G1/4	6.5	40.5	
	EHVFS08-03G	8	4.2	16.5	24	58.7	18	G3/8	7	40.5	
	EHVFS10-02G	10	4.2	21.5	29	68.2	22	G1/4	6.5	45	
	EHVFS10-03G	10	4.2	21.5	29	68.7	22	G3/8	7	45	
	EHVFS10-04G	10	4.2	21.5	29	72.7	22	G1/2	10	45	
	EHVFS12-02G	12	4.2	21.5	29	68.2	22	G1/4	6.5	45	
	EHVFS12-03G	12	4.2	21.5	29	68.7	22	G3/8	7	45	

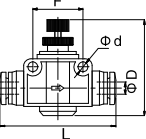
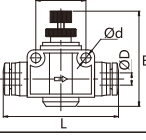
How to Order?

Series No.	Type No.	O.D. of Tube	—	With or without shut-off valve
ZSA: Grey body and Orange release sleeve ESA: Black body and Blue release sleeve	SA: Standard SA-C: Without Shut-off valve	04: 4mm 5/32: 5/32" 06: 6mm 1/4: 1/4" 08: 8mm 5/16: 5/16" 10: 10mm 3/8: 3/8" 12: 12mm 1/2: 1/2"	—	Blank: With shut-off valve -C: No shut-off valve

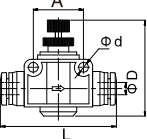
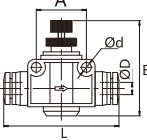
Order Example:

ZSA Series Pipeline Throttle Valve, for 4mm O.D. of Tube ,With shut-off valve
ERP code ZSA04

Metric Tubing

ZSA Pipeline Throttle Valve	Model	D	d	F	B		L	Main Dimension
					min	max		
	ZSA04	4	3.2	13.8	25.5	28.5	39.5	
	ZSA06	6	4.3	19.6	38.2	43	47.3	
	ZSA08	8	4.3	21.8	40	45.5	52	
	ZSA10	10	4.3	25.7	48	52.5	62.8	
	ZSA12	12	4.3	31.8	51.5	58.5	73	
ZSA-C Pipeline Throttle Valve (No Shut-off)	Model	D	d	F	B		L	Main Dimension
					min	max		
	ZSA06-C	6	4.3	19.6	37.3	43	47.3	
	ZSA08-C	8	4.3	21.8	39.2	45.5	52	
	ZSA10-C	10	4.3	25.7	47.5	52.5	62.8	
	ZSA12-C	12	4.3	31.8	50.5	58.5	73	

Inch Tubing

ZSA Pipeline Throttle Valve	Model	D(Inch)	d	A	B		L	Main Dimension
					min	max		
	ZSA1/8	1/8	3.2	13.8	25.5	28.5	39.1	
	ZSA5/32	5/32	3.2	13.8	25.5	28.5	39.3	
	ZSA1/4	1/4	4.3	19.6	38.2	43	46.5	
	ZSA5/16	5/16	4.3	21.6	40	45.5	51.8	
	ZSA3/8	3/8	4.3	25.7	48	52.5	62.4	
ZSA-C Pipeline Throttle Valve (No Shut-off)	Model	D(Inch)	d	A	B		L	Main Dimension
					min	max		
	ZSA1/4-C	1/4	4.3	20	38.8	43.6	46.8	
	ZSA5/16-C	5/16	4.3	22	40	45.5	52	
	ZSA3/8-C	3/8	4.3	26	48	52.2	62.3	
	ZSA1/2-C	1/2	4.3	32	51.5	58	73	

How to Order?

Series No.	O.D. of Tube	—	Port Size	Thread Type	—	Type No.
ZSC: Grey body and Orange release sleeve ESC: Black body and Blue release sleeve	04: 4mm 5/32: 5/32" 06: 6mm 1/4: 1/4" 08: 8mm 5/16: 5/16" 10: 10mm 3/8: 3/8" 12: 12mm 1/2: 1/2"	—	01: 1/8" 02: 1/4" 03: 3/8" 04: 1/2"	P: PT G: G T: NPT	—	Blank: Meter-out type B: Meter-in type C: remove shut-off valve

Order Example:

ZSC Series L-Shape Throttle Valve, for 4mm O.D. of Tube , Port Size 1/8" , Thread Type PT , With shut-off valve, Meter-in type
ERP code ZSC04-01P-B

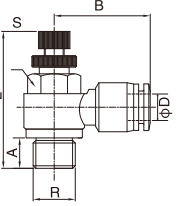
Speed Controller

ZSC(Meter-out type)	Tube(Metric)-Thread(PT)		Tube(Inch)-Thread(PT)	Tube(Metric)-Thread(G)		Tube(Inch)-Thread(NPT)	
 R Φ D	ZSC 04-M5	ZSC 08-03P	ZSC 1/4-M5	ZSC 04-01G	ZSC 08-04G	ZSC 5/32-M5	ZSC 5/16-01T
	ZSC 04-01P	ZSC 08-04P	ZSC 1/4-01P	ZSC 04-02G	ZSC 10-01G	ZSC 5/32-01T	ZSC 5/16-02T
	ZSC 04-02P	ZSC 10-01P	ZSC 1/4-02P	ZSC 06-01G	ZSC 10-02G	ZSC 3/16-M5	ZSC 5/16-03T
	ZSC 06-M5	ZSC 10-02P	ZSC 5/16-01P	ZSC 06-02G	ZSC 10-03G	ZSC 3/16-01T	ZSC 5/16-04T
	ZSC 06-01P	ZSC 10-03P	ZSC 5/16-02P	ZSC 06-03G	ZSC 10-04G	ZSC 3/16-02T	ZSC 3/8-02T
	ZSC 06-02P	ZSC 10-04P	ZSC 5/16-03P	ZSC 06-04G	ZSC 12-02G	ZSC 3/16-03T	ZSC 3/8-03T
	ZSC 06-03P	ZSC 12-02P	ZSC 3/8-02P	ZSC 08-01G	ZSC 12-03G	ZSC 1/4-M5	ZSC 3/8-04T
	ZSC 06-04P	ZSC 12-03P	ZSC 3/8-03P	ZSC 08-02G	ZSC 12-04G	ZSC 1/4-01T	ZSC 1/2-03T
	ZSC 08-01P	ZSC 12-04P		ZSC 08-03G		ZSC 1/4-02T	ZSC 1/2-04T
ZSC 08-02P					ZSC 1/4-03T		

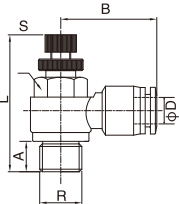
ZSC-B(Meter-in type)	Tube(Metric)-Thread(PT)		Tube(Inch)-Thread(PT)	Tube(Metric)-Thread(G)		Tube(Inch)-Thread(NPT)	
 Φ D	ZSC 04-M5-B	ZSC 08-03P-B	ZSC 1/4-M5-B	ZSC 04-01G-B	ZSC 08-04G-B	ZSC 5/32-M5-B	ZSC 5/16-01T-B
	ZSC 04-01P-B	ZSC 08-04P-B	ZSC 1/4-01P-B	ZSC 04-02G-B	ZSC 10-01G-B	ZSC 5/32-01T-B	ZSC 5/16-02T-B
	ZSC 04-02P-B	ZSC 10-01P-B	ZSC 1/4-02P-B	ZSC 06-01G-B	ZSC 10-02G-B	ZSC 3/16-M5-B	ZSC 5/16-03T-B
	ZSC 06-M5-B	ZSC 10-02P-B	ZSC 5/16-01P-B	ZSC 06-02G-B	ZSC 10-03G-B	ZSC 3/16-01T-B	ZSC 5/16-04T-B
	ZSC 06-01P-B	ZSC 10-03P-B	ZSC 5/16-02P-B	ZSC 06-03G-B	ZSC 10-04G-B	ZSC 3/16-02T-B	ZSC 3/8-02T-B
	ZSC 06-02P-B	ZSC 10-04P-B	ZSC 5/16-03P-B	ZSC 06-04G-B	ZSC 12-02G-B	ZSC 3/16-03T-B	ZSC 3/8-03T-B
	ZSC 06-03P-B	ZSC 12-02P-B	ZSC 3/8-02P-B	ZSC 08-01G-B	ZSC 12-03G-B	ZSC 1/4-M5-B	ZSC 3/8-04T-B
	ZSC 06-04P-B	ZSC 12-03P-B	ZSC 3/8-03P-B	ZSC 08-02G-B	ZSC 12-04G-B	ZSC 1/4-01T-B	ZSC 1/2-03T-B
	ZSC 08-01P-B	ZSC 12-04P-B		ZSC 08-03G-B		ZSC 1/4-02T-B	ZSC 1/2-04T-B
	ZSC 08-02P-B					ZSC 1/4-03T-B	

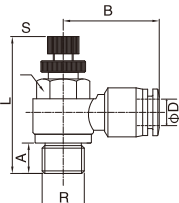
ZSC-C(remove shut-off valve)	Tube(Metric)-Thread(PT)		Tube(Metric)-Thread(G)		Tube(Inch)-Thread(NPT)	
 R Φ D	ZSC04-01P-C	ZSC10-01P-C	ZSC04-01G-C	ZSC10-01G-C	ZSC1/8-01T-C	ZSC5/16-03T-C
	ZSC04-02P-C	ZSC10-02P-C	ZSC04-02G-C	ZSC10-02G-C	ZSC1/8-02T-C	ZSC5/16-04T-C
	ZSC06-01P-C	ZSC10-03P-C	ZSC06-01G-C	ZSC10-03G-C	ZSC5/32-01T-C	ZSC3/8-01T-C
	ZSC06-02P-C	ZSC10-04P-C	ZSC06-02G-C	ZSC10-04G-C	ZSC5/32-02T-C	ZSC3/8-02T-C
	ZSC06-03P-C	ZSC12-01P-C	ZSC06-03G-C	ZSC12-01G-C	ZSC1/4-01T-C	ZSC3/8-03T-C
	ZSC06-04P-C	ZSC12-02P-C	ZSC06-04G-C	ZSC12-02G-C	ZSC1/4-02T-C	ZSC3/8-04T-C
	ZSC08-01P-C	ZSC12-03P-C	ZSC08-01G-C	ZSC12-03G-C	ZSC1/4-03T-C	ZSC1/2-02T-C
	ZSC08-02P-C	ZSC12-04P-C	ZSC08-02G-C	ZSC12-04G-C	ZSC1/4-04T-C	ZSC1/2-03T-C
	ZSC08-03P-C		ZSC08-03G-C		ZSC5/16-01T-C	ZSC1/2-04T-C
	ZSC08-04P-C		ZSC08-04G-C		ZSC5/16-02T-C	

Metric Tubing-PT Thread

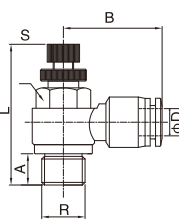
ZSC(Meter-out type)	Model	D	R	A	B	S	L		Main Dimension
	ZSC04-M5	4	M5	3.5	19.5	8	min	max	
	ZSC04-01P	4	PT1/8	7	22.2	12			
	ZSC04-02P	4	PT1/4	9.5	24	14			
	ZSC06-M5	6	M5	3.5	22	8			
	ZSC06-01P	6	PT1/8	7	23.1	12			
	ZSC06-02P	6	PT1/4	9.5	25	14			
	ZSC06-03P	6	PT3/8	12	26.7	19			
	ZSC06-04P	6	PT1/2	13.5	29.7	24			
	ZSC08-01P	8	PT1/8	7	25.5	12			
	ZSC08-02P	8	PT1/4	9.5	28.6	14			
	ZSC08-03P	8	PT3/8	12	29.4	19			
	ZSC08-04P	8	PT1/2	13.5	32.5	24			
	ZSC10-01P	10	PT1/8	7	30.2	12			
	ZSC10-02P	10	PT1/4	9.5	32.3	14			
	ZSC10-03P	10	PT3/8	12	32.9	19			
	ZSC10-04P	10	PT1/2	13.5	35.8	24			
	ZSC12-01P	12	PT1/8	7	33.2	12			
	ZSC12-02P	12	PT1/4	9.5	33.1	14			
	ZSC12-03P	12	PT3/8	12	35.4	19			
	ZSC12-04P	12	PT1/2	13.5	36.5	24			

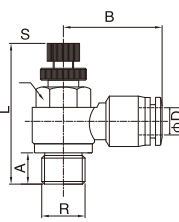
Metric Tubing-PT Thread

ZSC-B(Meter-in type)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC04-M5-B	4	M5	3.5	19.5	8	27.6	30	
	ZSC04-01P-B	4	PT1/8	7	22.2	12	35.8	40.8	
	ZSC04-02P-B	4	PT1/4	9.5	24	14	39.8	45.5	
	ZSC06-M5-B	6	M5	3.5	22	8	27.6	30	
	ZSC06-01P-B	6	PT1/8	7	23.1	12	35.8	40.8	
	ZSC06-02P-B	6	PT1/4	9.5	25	14	39.8	45.5	
	ZSC06-03P-B	6	PT3/8	12	26.7	19	48.5	54.2	
	ZSC06-04P-B	6	PT1/2	13.5	29.7	24	53.4	60.2	
	ZSC08-01P-B	8	PT1/8	7	25.5	12	35.8	40.8	
	ZSC08-02P-B	8	PT1/4	9.5	28.6	14	39.8	45.5	
	ZSC08-03P-B	8	PT3/8	12	29.4	19	48.5	54.2	
	ZSC08-04P-B	8	PT1/2	13.5	32.5	24	53.4	60.2	
	ZSC10-01P-B	10	PT1/8	7	30.2	12	35.8	40.8	
	ZSC10-02P-B	10	PT1/4	9.5	32.3	14	39.8	45.5	
	ZSC10-03P-B	10	PT3/8	12	32.9	19	48.5	54.2	
	ZSC10-04P-B	10	PT1/2	13.5	35.8	24	53.4	60.2	
	ZSC12-01P-B	12	PT1/8	7	33.2	12	35.8	40.8	
	ZSC12-02P-B	12	PT1/4	9.5	33.1	14	39.8	45.5	
	ZSC12-03P-B	12	PT3/8	12	35.4	19	48.5	54.2	
	ZSC12-04P-B	12	PT1/2	13.5	36.5	24	53.4	60.2	

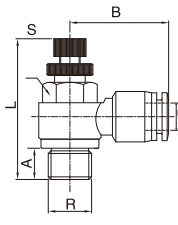
ZSC-C(remove shut-off valve)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC04-M5-C	4	M5	3.5	19.5	8	27.6	30	
	ZSC04-01P-C	4	PT1/8	7	22.2	12	35.8	40.8	
	ZSC04-02P-C	4	PT1/4	9.5	24	14	39.8	45.5	
	ZSC06-M5-C	6	M5	3.5	22	8	27.6	30	
	ZSC06-01P-C	6	PT1/8	7	23.1	12	35.8	40.8	
	ZSC06-02P-C	6	PT1/4	9.5	25	14	39.8	45.5	
	ZSC06-03P-C	6	PT3/8	12	26.7	19	48.5	54.2	
	ZSC06-04P-C	6	PT1/2	13.5	29.7	24	53.4	60.2	
	ZSC08-01P-C	8	PT1/8	7	25.5	12	35.8	40.8	
	ZSC08-02P-C	8	PT1/4	9.5	28.6	14	39.8	45.5	
	ZSC08-03P-C	8	PT3/8	12	29.4	19	48.5	54.2	
	ZSC08-04P-C	8	PT1/2	13.5	32.5	24	53.4	60.2	
	ZSC10-01P-C	10	PT1/8	7	30.2	12	35.8	40.8	
	ZSC10-02P-C	10	PT1/4	9.5	32.3	14	39.8	45.5	
	ZSC10-03P-C	10	PT3/8	12	32.9	19	48.5	54.2	
	ZSC10-04P-C	10	PT1/2	13.5	35.8	24	53.4	60.2	
	ZSC12-01P-C	12	PT1/8	7	33.2	12	35.8	40.8	
	ZSC12-02P-C	12	PT1/4	9.5	33.1	14	39.8	45.5	
	ZSC12-03P-C	12	PT3/8	12	35.4	19	48.5	54.2	
	ZSC12-04P-C	12	PT1/2	13.5	36.5	24	53.4	60.2	

Metric Tubing-G Thread

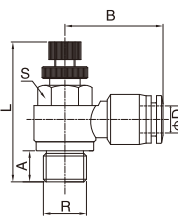
ZSC(Meter-out type)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC04-01G	4	G1/8	5.8	22.2	12	35.8	40.8	
	ZSC04-02G	4	G1/4	7.7	24	14	39.8	45.5	
	ZSC06-01G	6	G1/8	5.8	23.1	12	35.8	40.8	
	ZSC06-02G	6	G1/4	7.7	25	14	39.8	45.5	
	ZSC06-03G	6	G3/8	9.5	26.7	19	48.5	54.2	
	ZSC06-04G	6	G1/2	12	29.7	24	53.4	60.2	
	ZSC08-01G	8	G1/8	5.8	25.5	12	35.8	40.8	
	ZSC08-02G	8	G1/4	7.7	28.6	14	39.8	45.5	
	ZSC08-03G	8	G3/8	9.5	29.4	19	48.5	54.2	
	ZSC08-04G	8	G1/2	12	32.5	24	53.4	60.2	
	ZSC10-01G	10	G1/8	5.8	30.2	12	35.8	40.8	
	ZSC10-02G	10	G1/4	7.7	32.3	14	39.8	45.5	
	ZSC10-03G	10	G3/8	9.5	32.9	19	48.5	54.2	
	ZSC10-04G	10	G1/2	12	35.8	24	53.4	60.2	
	ZSC12-01G	12	G1/8	5.8	33.2	12	35.8	40.8	
	ZSC12-02G	12	G1/4	7.7	33.1	14	39.8	45.5	
	ZSC12-03G	12	G3/8	9.5	35.4	19	48.5	54.2	
	ZSC12-04G	12	G1/2	12	36.5	24	53.4	60.2	

ZSC-B(Meter-in type)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC04-01G-B	4	G1/8	5.8	22.2	12	35.8	40.8	
	ZSC04-02G-B	4	G1/4	7.7	24	14	39.8	45.5	
	ZSC06-01G-B	6	G1/8	5.8	23.1	12	35.8	40.8	
	ZSC06-02G-B	6	G1/4	7.7	25	14	39.8	45.5	
	ZSC06-03G-B	6	G3/8	9.5	26.7	19	48.5	54.2	
	ZSC06-04G-B	6	G1/2	12	29.7	24	53.4	60.2	
	ZSC08-01G-B	8	G1/8	5.8	25.5	12	35.8	40.8	
	ZSC08-02G-B	8	G1/4	7.7	28.6	14	39.8	45.5	
	ZSC08-03G-B	8	G3/8	9.5	29.4	19	48.5	54.2	
	ZSC08-04G-B	8	G1/2	12	32.5	24	53.4	60.2	
	ZSC10-01G-B	10	G1/8	5.8	30.2	12	35.8	40.8	
	ZSC10-02G-B	10	G1/4	7.7	32.3	14	39.8	45.5	
	ZSC10-03G-B	10	G3/8	9.5	32.9	19	48.5	54.2	
	ZSC10-04G-B	10	G1/2	12	35.8	24	53.4	60.2	
	ZSC12-01G-B	12	G1/8	5.8	33.2	12	35.8	40.8	
	ZSC12-02G-B	12	G1/4	7.7	33.1	14	39.8	45.5	
	ZSC12-03G-B	12	G3/8	9.5	35.4	19	48.5	54.2	
	ZSC12-04G-B	12	G1/2	12	36.5	24	53.4	60.2	

Metric Tubing-G Thread

ZSC-C(remove shut-off valve)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC04-01G-C	4	G1/8	5.8	22.2	12	35.8	40.8	
	ZSC04-02G-C	4	G1/4	7.7	24	14	39.8	45.5	
	ZSC06-01G-C	6	G1/8	5.8	23.1	12	35.8	40.8	
	ZSC06-02G-C	6	G1/4	7.7	25	14	39.8	45.5	
	ZSC06-03G-C	6	G3/8	9.5	26.7	19	48.5	54.2	
	ZSC06-04G-C	6	G1/2	12	29.7	24	53.4	60.2	
	ZSC08-01G-C	8	G1/8	5.8	25.5	12	35.8	40.8	
	ZSC08-02G-C	8	G1/4	7.7	28.6	14	39.8	45.5	
	ZSC08-03G-C	8	G3/8	9.5	29.4	19	48.5	54.2	
	ZSC08-04G-C	8	G1/2	12	32.5	24	53.4	60.2	
	ZSC10-01G-C	10	G1/8	5.8	30.2	12	35.8	40.8	
	ZSC10-02G-C	10	G1/4	7.7	32.3	14	39.8	45.5	
	ZSC10-03G-C	10	G3/8	9.5	32.9	19	48.5	54.2	
	ZSC10-04G-C	10	G1/2	12	35.8	24	53.4	60.2	
	ZSC12-01G-C	12	G1/8	5.8	33.2	12	35.8	40.8	
	ZSC12-02G-C	12	G1/4	7.7	33.1	14	39.8	45.5	
	ZSC12-03G-C	12	G3/8	9.5	35.4	19	48.5	54.2	
	ZSC12-04G-C	12	G1/2	12	36.5	24	53.4	60.2	

Inch Tubing-NPT Thread

ZSC(Meter-out type)	Model	D	R	A	B	S	L		Main Dimension
							min	max	
	ZSC5/32-01T	5/32	NPT1/8	7	22	12	35.8	40.8	
	ZSC5/32-02T	5/32	NPT1/4	9.5	23.8	14	39.8	45.5	
	ZSC1/4-01T	1/4	NPT1/8	7	22.9	12	35.8	40.8	
	ZSC1/4-02T	1/4	NPT1/4	9.5	24.8	14	39.8	45.5	
	ZSC1/4-03T	1/4	NPT3/8	12	26.5	19	48.5	54.2	
	ZSC1/4-04T	1/4	NPT1/2	13.5	29.7	24	53.4	60.2	
	ZSC5/16-01T	5/16	NPT1/8	7	25.4	12	35.8	40.8	
	ZSC5/16-02T	5/16	NPT1/4	9.5	28.5	14	39.8	45.5	
	ZSC5/16-03T	5/16	NPT3/8	12	29.3	19	48.5	54.2	
	ZSC5/16-04T	5/16	NPT1/2	13.5	32.4	24	53.4	60.2	
	ZSC3/8-01T	3/8	NPT1/8	7	30.2	12	35.8	40.8	
	ZSC3/8-02T	3/8	NPT1/4	9.5	32	14	39.8	45.5	
	ZSC3/8-03T	3/8	NPT3/8	12	32.9	19	48.5	54.2	
	ZSC3/8-04T	3/8	NPT1/2	13.5	35.8	24	53.4	60.2	
	ZSC1/2-02T	1/2	NPT1/4	9.5	33.1	14	39.8	45.5	
	ZSC1/2-03T	1/2	NPT3/8	12	35.4	19	48.5	54.2	
	ZSC1/2-04T	1/2	NPT1/2	13.5	36.5	24	53.4	60.2	

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Mini Compact One touch-in Fiting

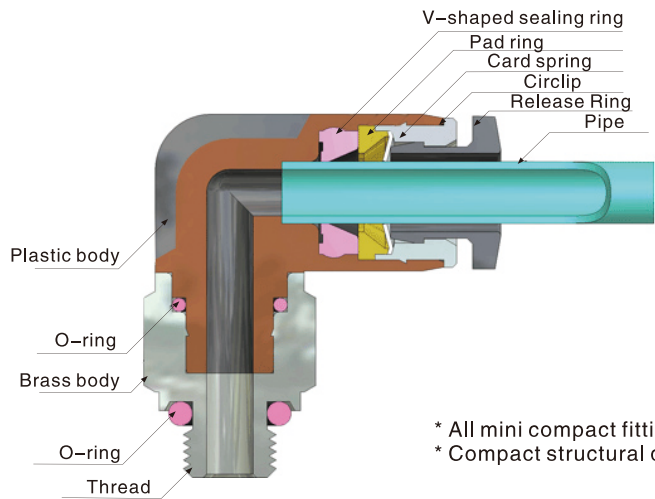
How to Order?

Series No.	O.D. size	—	Port size	Thread Type
EPC	03: 3mm		M3C: M3	P : PT
EPB	04: 4mm		M5C: M5	G : G
EPCF	06: 6mm		M6C: M6	
EPD			01C: 1/8 "	
...			02C: 1/4 "	

Order Example: EPC Series One Touch-in Fiting, for 6mm OD tube, G1/8' thread. ERP Code ZPC06-01CG.

Note: If both ends are inserted tubes, the outer diameter dimensions of the tubes are displayed side by side. For example, EPUL compact fitting are equipped with tubes with an outer diameter of 6mm, and their ERP code is EPUL06C

Internal Structure



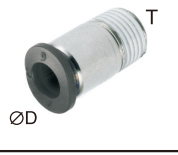
* All mini compact fitting surfaces can be nickel plated.

* Compact structural design, especially suitable for compact equipment.

Model

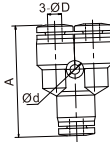
 ØD	Model [ØD-T] Piping(metric)		
	EPC 03-M3C	EPC 04-M3C	EPC 06-M5C
	EPC 03-M5C	EPC 04-M5C	EPC 06-M6C
	EPC 03-M6C	EPC 04-M6C	EPC 06-01C
 ØD	Model [ØD-T] Piping(metric)		
	EPB 03-M3C	EPB 04-M3C	EPB 06-M5C
	EPB 03-M5C	EPB 04-M5C	EPB 06-M6C
	EPB 03-M6C	EPB 04-M6C	EPB 06-01C
 ØD	Model [ØD-T] Piping(metric)		
	EPCF 03-M3C	EPCF 04-M3C	EPCF 06-M5C
	EPCF 03-M5C	EPCF 04-M5C	EPCF 06-M6C
	EPCF 03-M6C	EPCF 04-M6C	EPCF 06-01C
 ØD	Model [ØD-T] Piping(metric)		
	EPD 03-M3C	EPD 04-M3C	EPD 06-M5C
	EPD 03-M5C	EPD 04-M5C	EPD 06-M6C
	EPD 03-M6C	EPD 04-M6C	EPD 06-01C

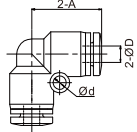
Model

 ØD	Model [ØD-T] Piping(metric)		
	EPOC 03-M3C	EPOC 04-M3C	EPOC 06-M5C
	EPOC 03-M5C	EPOC 04-M5C	EPOC 06-M6C
	EPOC 03-M6C	EPOC 04-M6C	EPOC 06-01C
 ØD	Model [ØD-T] Piping(metric)		
	EPU 03C		
	EPU 04C		
	EPU 06C		
 T ØD	Model [ØD-T] Piping(metric)		
	EPL 03-M3C	EPL 04-M3C	EPL 06-M5C
	EPL 03-M5C	EPL 04-M5C	EPL 06-M6C
	EPL 03-M6C	EPL 04-M6C	EPL 06-01C
 ØD	Model [ØD-T] Piping(metric)		
	EPE 03C		
	EPE 04C		
	EPE 06C		
 T ØD	Model [ØD-T] Piping(metric)		
	EPLL 03-M3C	EPLL 04-M3C	EPLL 06-M5C
	EPLL 03-M5C	EPLL 04-M5C	EPLL 06-M6C
	EPLL 03-M6C	EPLL 04-M6C	EPLL 06-01C
 ØD	Model [ØD] Piping(metric)		
	EPY 03C		
	EPY 04C		
	EPY 06C		
 ØD	Model [ØD] Piping(metric)		
	EPV03C		
	EPV04C		
	EPV06C		
 ØD	Model [ØD] Piping(metric)		
	ZPOC04-M5C		
	ZPOC04-M7C		
	ZPOC06-M5C		

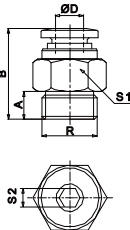
Main Dimension

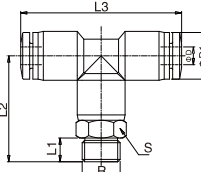
ZPOC-C								Main Dimension
	Model	D	R	A	B	C	S	
	ZPOC04-M5C	4	M5*0.8	3.5	17.3	8	2	
	ZPOC04-M7C	4	M7*1	5	18.8	10	3	
	ZPOC06-M5C	6	M5*0.8	3.5	18	10	2	
	ZPOC06-M7C	6	M7*1	5	20.2	10	4	

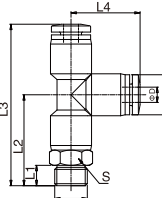
EPY-C									Main Dimension
	Model	ØD	ØD1	ØD2	ØD3	L1	L2	L3	
	EPY03C	3	3	7.5	3.2	24	8.2	10	
	EPY04C	4	4	9.5	3.2	28.5	9.2	12.5	
	EPY06C	6	6	11.5	3.2	31	11	13	
	EPY04-03C4	4	3	9.5	3.2	31	9.2	15	
	EPY06-04C6	6	4	11.5	3.2	34	11	16	

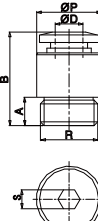
EPV-C							Main Dimension
	Model	ØD	ØD1	ØD2	L1	L2	
	EPV03C	3	7.3	3.2	12	5	
	EPV04C	4	9.3	3.2	14	6	
	EPV06C	6	11.3	3.2	15.6	6.8	

Main Dimension

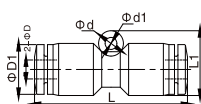
EPC-C		Model	ØD	R	L1	L2	D1	D2	Main Dimension
	EPC03-M3C	3	M3x0.5	3	14.5			8	
	EPC03-M5C	3	M5x0.8	3.5	15			8	
	EPC03-M6C	3	M6x1.0	4	15.5			8	
	EPC03-01C	3	R 1/8	6.5	14.5			10	
	EPC03-G01C	3	G 1/8	5	15.5			10	
	EPC04-M3C	4	M3x0.5	3	17			8	
	EPC04-M5C	4	M5x0.8	3.5	17.5	2		8	
	EPC04-M6C	4	M6x1.0	4	18	2.5		8	
	EPC04-01C	4	R 1/8	6.5	15.5	3		10	
	EPC04-G01C	4	G 1/8	5	16.5	3		10	
	EPC06-M3C	6	M3x0.5	3	18.5			10	
	EPC06-M5C	6	M5x0.8	3.5	19	2		10	
	EPC06-M6C	6	M6x1.0	4	19.5	2.5		10	
	EPC06-01C	6	R 1/8	6.5	19.5	4		10	
	EPC06-G01C	6	G 1/8	5	19	4		10	
	EPC06-02C	6	R 1/4	9	18			14	
EPC06-G02C	6	G 1/4	6	17.5	ΦD1: 17		14		

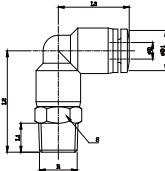
EPB-C		Model	ØD	R	L1	L2	L3	ØD1	D1	Main Dimension
	EPB03-M3C	3	M3x0.5	3	15.5	24	7.5	8		
	EPB03-M5C	3	M5x0.8	3.5	16	24	7.5	8		
	EPB03-M6C	3	M6x1.0	4	16.5	24	7.5	8		
	EPB03-01C	3	R 1/8	6.5	16.5	24	7.5	10		
	EPB04-M3C	4	M3x0.5	3	15	27.3	9.3	8		
	EPB04-M5C	4	M5x0.8	3.5	17.8	27.3	9.3	8		
	EPB04-M6C	4	M6x1.0	4	18.3	27.3	9.3	8		
	EPB04-01C	4	R 1/8	6.5	16	27.3	9.3	10		
	EPB04-G01C	4	G 1/8	5	18	27.3	9.3	10		
	EPB06-M5C	6	M5x0.8	3.5	18	32	11.3	8		
	EPB06-M6C	6	M6x1.0	4	18.5	32	11.3	8		
	EPB06-01C	6	R 1/8	6.5	18	32	11.3	10		
EPB06-G01C	6	G 1/8	5	17.5	32	11.3	13			
EPB06-G02C	6	G 1/4	6	21.5	32	11.3	14			

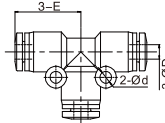
EPD-C		Model	ØD	R	L1	L2	L3	ØD1	D1	L4	Main Dimension
	EPD03-M3C	3	M3x0.5	3	15.5	24	7.5	8	12		
	EPD03-M5C	3	M5x0.8	3.5	16	24	7.5	8	12		
	EPD03-M6C	3	M6x1.0	4	16.5	24	7.5	8	12		
	EPD03-01C	3	R 1/8	6.5	16.5	24	7.5	10	12		
	EPD04-M3C	4	M3x0.5	3	16	27.3	9.5	8	14		
	EPD04-M5C	4	M5x0.8	3.5	16.5	27.3	9.5	8	14		
	EPD04-M6C	4	M6x1.0	4	17	27.3	9.5	8	14		
	EPD04-01C	4	R 1/8	6.5	15	27.3	9.5	10	14		
	EPD04-G01C	4	G 1/8	5	17.7	27.3	9.5	10	14		
	EPD06-M5C	6	M5x0.8	3.5	18	32	11.3	8	16.8		
	EPD06-M6C	6	M6x1.0	4	18.5	32	11.3	8	16.8		
	EPD06-01C	6	R 1/8	6.5	18	32	11.3	10	16.8		
	EPD06-G01C	6	G 1/8	5	18.5	32	11.3	13	16.8		
	EPD06-G02C	6	G 1/4	6	23.5	32	11.3	14	16.8		

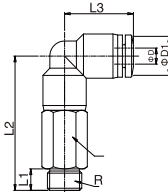
EPOC-C		Model	ØD	R	L1	L2	ØD1	ØD2	Main Dimension
	EPOC03-M3C	3	M3x0.5	3	14.5	6.5			
	EPOC03-M5C	3	M5x0.8	3.5	15	6.5		2	
	EPOC03-M6C	3	M6x1.0	4	16	8.0		2	
	EPOC04-M3C	4	M3x0.5	3	17	8.0			
	EPOC04-M5C	4	M5x0.8	3.5	17.6	8.0		2	
	EPOC04-M6C	4	M6x1.0	4	18.1	8.0		2.5	
	EPOC04-01C	4	R 1/8	6.5	15.5	10		3	
	EPOC04-G01C	4	G 1/8	5	15	13		3	
	EPOC06-M3C	6	M3x0.5	3	18	10			
	EPOC06-M5C	6	M5x0.8	3.5	18.5	10		2	
	EPOC06-M6C	6	M6x1.0	4	19	10		2.5	
	EPOC06-01C	6	R 1/8	6.5	18	10		4	
	EPOC06-G01C	6	G 1/8	5	17	13		4	

Main Dimension

EPU-C		Model	ØD	Ød	Ød1	ØD1	L	L1	Main Dimension
		EPU03C	3	3	3.2	7.5	22	10	
		EPU04C	4	4	3.2	9.0	25.5	12	
		EPU06C	6	6	3.3	11.5	27.5	13.5	
		EPU04-03C	/	/	3.3	9.5	28	11.5	

EPL-C		Model	ØD	R	L1	L2	L3	Ø D1	ØD2	Main Dimension
		EPL03-M3C	3	M3x0.5	3	12.5	13	6.9	8	
		EPL03-M5C	3	M5x0.8	3.5	13	13	6.9	8	
		EPL03-M6C	3	M6x1.0	4	13.5	13	6.9	8	
		EPL03-01C	3	R 1/8	6.5	13.5	13	6.9	10	
		EPL04-M3C	4	M3x0.5	3	13.5	16	8.8	8	
		EPL04-M5C	4	M5x0.8	3.5	14	16	8.8	8	
		EPL04-M6C	4	M6x10	4	14.5	16	8.8	8	
		EPL04-01C	4	R 1/8	6.5	16	16	8.8	10	
		EPL04-G01C	4	G 1/8	5	16.5	16	8.8	10	
		EPL06-M5C	6	M5x0.8	3.5	16	16.5	11.3	8	
		EPL06-M6C	6	M6x1	4	16.5	16.5	11.3	8	
		EPL06-01C	6	R 1/8	6.5	16.5	16.5	11.3	10	
		EPL06-G01C	6	G 1/8	5	16.5	16.5	11.3	13	
		EPL06-02C	6	R 1/4	9	19	16.5	11.3	14	
		EPL06-G02C	6	G 1/4	6	20	16.5	11.3	14	

EPE-C		Model	ØD	ØD1	ØD2	L1	L2	L3	L4	Main Dimension
		EPE03C	3	7.5	3.2	23.5	9.6	11.8	5.2	
		EPE04C	4	9.5	3.2	29	11.2	14.5	6.2	
		EPE06C	6	11.5	3.2	32	13	16	7.2	

EPLL-C		Model	ØD	R	L1	L2	L3	Φ D1	ΦD2	Main Dimension
		EPLL03-M3C	3	M3x0.5	3	21.5	13.5	6.9	8	
		EPLL03-M5C	3	M5x0.8	3.5	22	13.5	6.9	8	
		EPLL03-M6C	3	M6x1.0	4	22.5	13.5	6.9	8	
		EPLL03-01C	3	R 1/8	6.5	24.5	13.5	6.9	10	
		EPLL04-M3C	4	M3x0.5	3	27.5	16	8.8	8	
		EPLL04-M5C	4	M5x0.8	3.5	28	16	8.8	8	
		EPLL04-M6C	4	M6x1.0	4	28.5	16	8.8	8	
		EPLL04-01C	4	R 1/8	6.5	30.5	16	8.8	10	
		EPLL04-G01C	4	G 1/8	5	30	16	8.8	10	
		EPLL04-G02C	4	G 1/4	6	31	16	8.8	14	
		EPLL06-M5C	6	M5x0.8	3.5	29.7	16.5	11.3	8	
		EPLL06-M6C	6	M6x1.0	4	30.2	16.5	11.3	8	
		EPLL06-01C	6	R 1/8	6.5	30.7	16.5	11.3	10	
		EPLL06-G01C	6	G 1/4	5	29.2	16.5	11.3	13	
		EPLL06-G02C	6	G 1/4	6	31.2	16.5	11.3	14	

● Tips for using fittings

Please Read follow information before using the product

⚠ Warning

- 1. Do not use the fittings to fluid except water, air, confirm before using to other fluid.
- 2. Do not use other fittings in condition that sputter is existing, anti-sputter fitting are only permitted, or it may cause the danger of fire.
- 3. Do not use fittings except rotary fitting, high speed rotary fitting or multi-way rotary fitting in condition that require rotary at the thread side or hose side, it will cause damage to rotate or press the un-rotary fittings.
- 4. Do not use fitting except EG fittings in condition that requires no static electric. Or it will cause the damage to system for existing of static electric.
- 5. Avoid external impact such as bending, twisting or drawing on fittings, as these external impact will cause damage to the fittings.

⚠ Caution

Be sure the tolerance of fittings to meet the following conditions for the tube,otherwise it may cause leakage of air or inferiority of the application

● Table 1 to check tolerance

Metric Size	Nylon Tube	Polyurethane Tube	Inch Size	Nylon Tube	Polyurethane Tube
φ 3mm	—	± 0.08	φ 1/8	± 0.08	± 0.08
φ 4mm	± 0.1	± 0.1	φ 5/32	± 0.1	± 0.1
φ 6mm	± 0.1	± 0.1	φ 3/16	± 0.1	± 0.1
φ 8mm	± 0.1	± 0.1	φ 1/4	± 0.1	± 0.1
φ 10mm	± 0.1	± 0.1	φ 5/16	± 0.1	± 0.1
φ 12mm	± 0.15	± 0.1	φ 3/8	± 0.15	± 0.1
φ 14mm	± 0.15	± 0.1	φ 1/2	± 0.15	± 0.1
φ 16mm	± 0.15	± 0.1	φ 5/8	± 0.15	± 0.1

● Cautions for installing tube

- 1. Be sure that the section of tube is cut at a right angle .make sure there is no indication of damage to the outside of tube .
- 2. Try to pull the tube out to check if it has inserted tightly.

● Cautions for disconnecting tube

- 1. Be sure the pressure inside tube is at 0 before disconnecting tube.
- 2. Pull the tube out after press the sleeve at both end.It may cause scratch, damage on tube or could not pull it out if the sleeve is not pressed rightly. The scratch may left inside fitting and cause air leakage.

● Caution for installing equipment body

- 1. Choose the correct tool and size to install the fitting onto equipment by its hexagon head or hexagon socket design.
- 2. When fastening the thread, please refer to table 2 for the specific torque range, if torque is high than recommended, this may cause damage or air leakage, iftorque is lower than the recommended, this may cause leakage.
- 3. After fastening the quick connect fitting, the direction of it should not be changed, if adjusting, please refer to the range of torque.

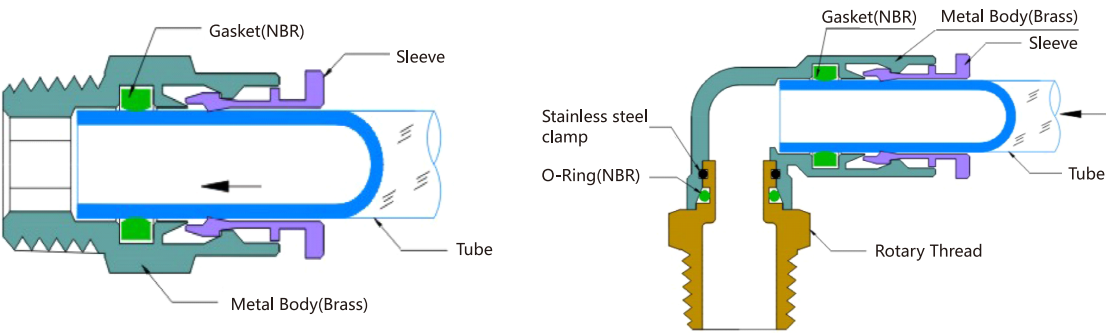
● Table 2 suggested torque, coating or gaskets

Thread Type	Thread Size	Torque	Coating Sealant Color	Gasket Materia
Metric Thread	M3x0.5	0. 7N · m(7kgf · cm)	—	NBR
	M5x0.8	1~1.5N · m (10~15kgf · cm)		
	M6x1.0	1.8~2.3N · m(18~23kgf · cm)		
BSPT thread	R1/8	7~9N · m(70~90kgf · cm)	White	—
	R1/4	12~14N · m(120~140kgf · cm)		
	R3/8	22~24N · m (220~240kgf · cm)		
	R1/2	28~30N · m (280~300kgf · cm)		
Unified inch screw thread	No.10~32 UNF	1.5~1.9N · m (15~19kgf · cm)	—	NBR
NPT Thread	1/6~28NPT	7~9N · m (70~90kgf · cm)	White	—
	1/8~27NPT	7~9N · m(70~90kgf · cm)		
	1/4~18NPT	12~14N · m(120~140kgf · cm)		
	3/8~18NPT	22~24N · m (220~240kgf · cm)		
	1/2~14NPI	28~30N · m (280~300kgf · cm)		

● Features

- 1. Metal push in fittings are specially wide used in pneumatic hose related system, with wide varieties to meet all kind of requirements.
- 2.Rotary body to make pipe connection available at 360° even after installed.
- 3.Nickle-plated body make the fitting resist to more corrosive and polluted condition.
- 4.All taped thread fittings are coated with sealant.
- 5.All parallel thread fittings are fitted with O-ring.

● Structure chart



● Specifications

Fluid	Air/water (conditional)
U/Operating Pressure	0.095-2.5MPa
Negative Pressure	1.6MPa
Max Pressure	-100KPa (10 Torr)
E/Applicable Tube	-30-120°C

⚠ Warning

- 1. Working temperature: -30~20°C
- 2. Working pressure: 0.095~2.5MPa
- 3. No water hammer(or flow slam)allowed
- 4. Must connect with hose
- 5. Water is allowed in some conditions

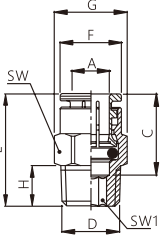
How to Order?

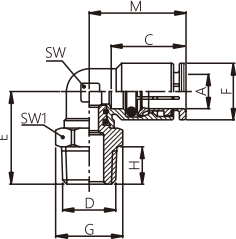
Series No.	O.D. of Tube	Port Size	Thread Type	Type Number
EMC EML EMB ...	04: 4mm 06: 6mm 08: 8mm 10: 10mm 12: 12mm	M8: M8 01: 1/8" 02: 1/4" 03: 3/8" 04: 1/2"	P: PT G: G T: NPT	A

Order example:

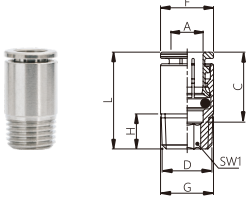
EMC Series Nickel Plated Brass Fittings, for 4mm O.D. Tube, PT1/8" port size, ERP code is: EMC04-01P-A.

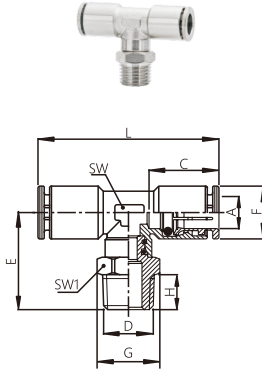
Metric Tubing-PT Thread

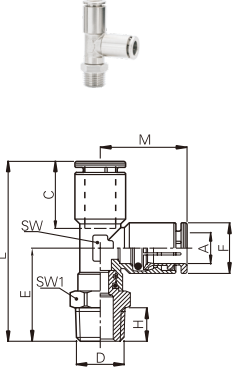
EMC	Model	A	D	C	F	L	G	H	SW	SW1	Weight(g)
	EMC04-01P-A	4	R1/8	13.5	8	17	11.3	8	10	2.5	5.6
	EMC04-02P-A	4	R1/4	13.5	8	18	15.8	9	14	/	13.8
	EMC06-01P-A	6	R1/8	17	11.8	23.4	13.5	8	12	4	10.1
	EMC06-02P-A	6	R1/4	17	11.8	21.2	15.8	9	14	4	13.7
	EMC06-03P-A	6	R3/8	17	11.8	19.2	19.1	9.5	17	4	23.4
	EMC06-04P-A	6	R1/2	17	11.8	21	23.7	11.5	21	/	39.6
	EMC08-01P-A	8	R1/8	17.5	13.6	27.5	15.8	8	14	5	16
	EMC08-02P-A	8	R1/4	17.5	13.6	24.4	15.8	9	14	6	16
	EMC08-03P-A	8	R3/8	17.5	13.6	21	19.1	9.5	17	6	21.7
	EMC08-04P-A	8	R1/2	17.5	13.6	21	23.7	11.5	21	6	38.6
	EMC10-01P-A	10	R1/8	19.7	15.7	29.4	19.1	8	17	5	22
	EMC10-02P-A	10	R1/4	19.7	15.7	30.4	19.1	9	17	6	26.5
	EMC10-03P-A	10	R3/8	19.7	15.7	26.1	19.1	9.5	17	8	26.8
	EMC10-04P-A	10	R1/2	19.7	15.7	23.8	23.7	11.5	21	8	39.5
	EMC12-01P-A	12	R1/8	18.7	17.8	29.2	21.4	8	19	5	26.2
	EMC12-02P-A	12	R1/4	18.7	17.8	30.2	21.4	9	19	6	26.5
	EMC12-03P-A	12	R3/8	18.7	17.8	28.2	21.4	9.5	19	8	29.5
	EMC12-04P-A	12	R1/2	18.7	17.8	25.7	23.7	11.5	21	8	37.1
	EMC14-03P-A	14	R3/8	20.5	20.8	31.8	23.7	9.5	21	—	39.8
	EMC14-04P-A	14	R1/2	20.5	20.8	29.8	23.7	11.5	21	—	44.4
	EMC16-03P-A	16	R3/8	21.5	22.8	33.8	26.9	9.5	24	—	44.9
	EMC16-04P-A	16	R1/2	21.5	22.8	32.8	26.9	11.5	24	—	51.8
	EMC16-06P-A	16	R3/4	21.5	22.8	31.8	30.4	12	27	—	—

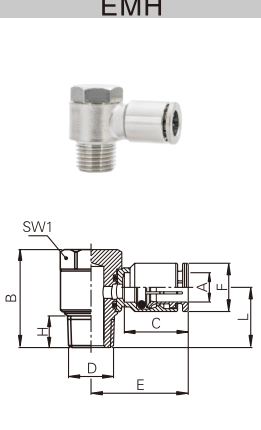
EML	Model	A	D	C	F	M	E	H	G	SW	SW1	Weight(g)
	EML04-01P-A	4	R1/8	13.5	8	16.6	17.6	8	11.3	6	10	5.6
	EML04-02P-A	4	R1/4	13.5	8	16.6	18.6	9	15.8	6	14	13.8
	EML06-01P-A	6	R1/8	17	11.8	22	21	8	13.5	—	12	10.1
	EML06-02P-A	6	R1/4	17	11.8	22	22	9	15.8	—	14	13.7
	EML06-03P-A	6	R3/8	17	11.8	22	22.5	9.5	19.1	—	17	23.4
	EML06-04P-A	6	R1/2	17	11.8	22	24.5	11.5	23.7	—	21	39.6
	EML08-01P-A	8	R1/8	17.5	13.6	22.8	21.3	8	13.5	11.5	12	16
	EML08-02P-A	8	R1/4	17.5	13.6	22.8	22.3	9	15.8	11.5	14	16
	EML08-03P-A	8	R3/8	17.5	13.6	22.8	22.8	9.5	19.1	11.5	17	21.7
	EML08-04P-A	8	R1/2	17.5	13.6	22.8	24.8	11.5	23.7	11.5	21	38.6
	EML10-01P-A	10	R1/8	19.7	15.7	26.5	26.4	8	15.8	12	14	22
	EML10-02P-A	10	R1/4	19.7	15.7	26.5	27.4	9	15.8	12	14	26.5
	EML10-03P-A	10	R3/8	19.7	15.7	26.5	27.9	9.5	19.1	12	17	26.8
	EML10-04P-A	10	R1/2	19.7	15.7	26.5	29.9	11.5	23.7	12	21	39.5
	EML12-01P-A	12	R1/8	18.7	17.8	27.8	27.9	8	19.1	14	14	26.2
	EML12-02P-A	12	R1/4	18.7	17.8	27.8	28.9	9	19.1	14	14	26.5
	EML12-03P-A	12	R3/8	18.7	17.8	27.8	29.4	9.5	19.1	14	17	29.5
	EML12-04P-A	12	R1/2	18.7	17.8	27.8	31.4	11.5	23.7	14	21	37.1
	EML14-03P-A	14	R3/8	20.5	20.8	30	34.4	9.5	23.7	19	17	39.8
	EML14-04P-A	14	R1/2	20.5	20.8	30	36.4	11.5	23.7	19	17	44.4
	EML16-03P-A	16	R3/8	21.5	22.8	32.3	34.4	9.5	23.7	19	21	44.9
	EML16-04P-A	16	R1/2	21.5	22.8	32.3	36.4	11.5	23.7	19	21	51.8
	EML16-06P-A	16	R3/4	21.5	22.8	32.3	37.4	12	29.2	19	26	—

Metric Tubing-PT Thread

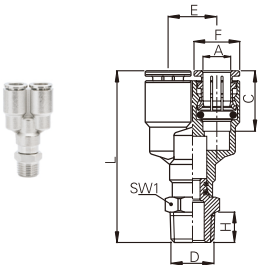
EMOC	Model	A	D	F	L	C	H	G	SW1	Weight(g)
	EMOC04-01P-A	4	R1/8	8	17	13.5	8	10	2.5	6.6
	EMOC06-01P-A	6	R1/8	11.8	22.4	17	8	11.8	4	8.2
	EMOC06-02P-A	6	R1/4	11.8	21.2	17	9	14	4	14.9
	EMOC08-01P-A	8	R1/8	13.6	26.5	17.5	8	13.8	5	13.9
	EMOC08-02P-A	8	R1/4	13.6	24.4	17.5	9	13.8	6	14
	EMOC08-03P-A	8	R3/8	13.6	21	17.5	9.5	16.8	6	19.7
	EMOC10-02P-A	10	R1/4	15.7	29	19.7	9	16	6	25.2
	EMOC10-03P-A	10	R3/8	15.7	26.1	19.7	9.5	16.8	8	23.4
	EMOC12-02P-A	12	R1/4	17.8	29.2	18.7	9	18.5	6	22.6
	EMOC12-03P-A	12	R3/8	17.8	27.2	18.7	9.5	18.5	8	26.1
	EMOC12-04P-A	12	R1/2	17.8	25.7	18.7	11.5	21	8	35.9

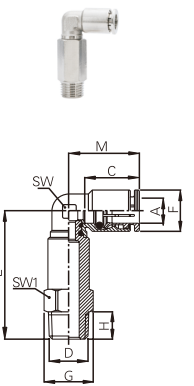
EMB	Model	A	D	c	F	L	E	H	G	SW	SW1	Weight(g)
	EMB04-01P-A	4	R1/8	13.5	8	32.4	17.6	8	11.3	6	10	11.9
	EMB04-02P-A	4	R1/4	13.5	8	32.4	18.6	9	15.8	6	14	17.9
	EMB06-01P-A	6	R1/8	17	11.8	43.2	26	8	13.5	10	12	33.1
	EMB06-02P-A	6	R1/4	17	11.8	43.2	27	9	15.8	10	14	34
	EMB06-03P-A	6	R3/8	17	11.8	43.2	27.5	9.5	19.1	10	17	36.2
	EMB06-04P-A	6	R1/2	17	11.8	43.2	29.5	11.5	23.7	10	21	45.4
	EMB08-01P-A	8	R1/8	17.5	13.6	44.6	24	8	13.5	12	12	41.3
	EMB08-02P-A	8	R1/4	17.5	13.6	44.6	25	9	15.8	12	14	39.5
	EMB08-03P-A	8	R3/8	17.5	13.6	44.6	25.5	9.5	19.1	12	17	47
	EMB08-04P-A	8	R1/2	17.5	13.6	44.6	27.5	11.5	23.7	12	21	54.6
	EMB10-01P-A	10	R1/8	19.7	15.7	54.4	25.8	8	15.8	12.5	14	43.2
	EMB10-02P-A	10	R1/4	19.7	15.7	54.4	26.8	9	15.8	12.5	14	47.2
	EMB10-03P-A	10	R3/8	19.7	15.7	54.4	27.3	9.5	19.1	12.5	17	50
	EMB10-04P-A	10	R1/2	19.7	15.7	54.4	29.3	11.5	23.7	12.5	21	56.7
	EMB12-01P-A	12	R1/8	18.7	17.8	55	27.9	8	19.1	14	14	63.1
	EMB12-02P-A	12	R1/4	18.7	17.8	55	28.9	9	19.1	14	14	62.8
	EMB12-03P-A	12	R3/8	18.7	17.8	55	29.4	9.5	19.1	14	17	70.1
	EMB12-04P-A	12	R1/2	18.7	17.8	55	31.4	11.5	23.7	14	21	72.4

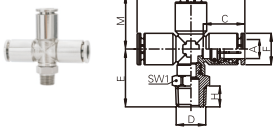
EMP	Model	A	D	C	F	H	E	L	M	SW	SW1	Weight (g)
	EMP04-01P-A	4	R1/8	13.5	8	8	17.6	33.8	16.2	6	10	13.3
	EMP04-02P-A	4	R1/4	13.5	8	9	18.6	34.8	16.2	6	14	18.8
	EMP06-01P-A	6	R1/8	17	11.8	8	26	47.6	21.6	10	12	31.5
	EMP06-02P-A	6	R1/4	17	11.8	9	27	48.6	21.6	10	14	34.4
	EMP06-03P-A	6	R3/8	17	11.8	9.5	27.5	49.1	21.6	10	17	—
	EMP06-04P-A	6	R1/2	17	11.8	11.5	29.5	51.1	21.6	10	21	—
	EMP08-01P-A	8	R1/8	17.5	13.6	8	24	46.3	22.3	12	12	37
	EMP08-02P-A	8	R1/4	17.5	13.6	9	25	47.3	22.3	12	14	38.3
	EMP08-03P-A	8	R3/8	17.5	13.6	9.5	25.5	47.8	22.3	12	17	44.1
	EMP08-04P-A	8	R1/2	17.5	13.6	11.5	27.5	49.8	22.3	12	21	58.7
	EMP10-01P-A	10	R1/8	19.7	15.7	8	25.8	53	27.2	12.5	14	44.9
	EMP10-02P-A	10	R1/4	19.7	15.7	9	26.8	54	27.2	12.5	14	47.2
	EMP10-03P-A	10	R3/8	19.7	15.7	9.5	27.3	54.5	27.2	12.5	17	52.7
	EMP10-04P-A	10	R1/2	19.7	15.7	11.5	29.3	56.5	27.2	12.5	21	60.1
	EMP12-01P-A	12	R1/8	18.7	17.8	8	27.9	55.4	27.5	14	14	—
	EMP12-02P-A	12	R1/4	18.7	17.8	9	28.9	56.4	27.5	14	14	65.1
	EMP12-03P-A	12	R3/8	18.7	17.8	9.5	29.4	56.9	27.5	14	17	68.6
	EMP12-04P-A	12	R1/2	18.7	17.8	11.5	31.4	58.9	27.5	14	21	73.7

EMH		Model	A	D	C	F	L	E	B	SW1	Weight (g)
	EMH04-01P-A	4	R1/8	13.5	8	14.5	22.4	25	12	12	16.5
	EMH04-02P-A	4	R1/4	13.5	8	17.5	22.9	29	15	15	33.7
	EMH06-01P-A	6	R1/8	17	11.8	14.5	24.2	25	12	12	27.9
	EMH06-02P-A	6	R1/4	17	11.8	17.5	26.5	29	15	15	38.7
	EMH06-03P-A	6	R3/8	17	11.8	19.5	28.5	33	21	21	61.7
	EMH06-04P-A	6	R1/2	17	11.8	22	30.5	36	24	24	—
	EMH08-01P-A	8	R1/8	17.5	13.6	14.5	25.9	25	12	12	27.9
	EMH08-02P-A	8	R1/4	17.5	13.6	17.5	26.9	29	15	15	36.6
	EMH08-03P-A	8	R3/8	17.5	13.6	19.5	29.3	33	21	21	61.4
	EMH08-04P-A	8	R1/2	17.5	13.6	22	30.8	36	24	24	89.9
	EMH10-01P-A	10	R1/8	19.7	15.7	15.5	30.5	25	12	12	38.6
	EMH10-02P-A	10	R1/4	19.7	15.7	18.5	31.5	29	15	15	47.9
EMH10-03P-A	10	R3/8	19.7	15.7	19.5	32.6	33	21	21	72.5	
EMH10-04P-A	10	R1/2	19.7	15.7	22	33.5	36	24	24	86.8	
EMH12-02P-A	12	R1/4	18.7	17.8	19.5	30	29	15	15	47.9	
EMH12-03P-A	12	R3/8	18.7	17.8	20.5	32.2	33	21	21	69.8	
EMH12-04P-A	12	R1/2	18.7	17.8	22	33.5	36	24	24	85.8	

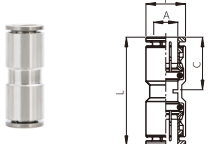
Metric Tubing-PT Thread

EMW	Model	A	D	C	F	L	E	H	SW1	Weight (g)
	EMW04-01G-A	4	R1/8	13.5	8	34.3	8.6	9	12	14.2
	EMW04-02G-A	4	R1/4	13.5	8	34.3	8.6	9	14	—
	EMW06-01G-A	6	R1/8	17	11.8	42.7	12.6	8	12	30
	EMW06-02G-A	6	R1/4	17	11.8	43.2	12.6	9	14	40.1
	EMW06-03G-A	6	R3/8	17	11.8	43.7	12.6	9.5	17	46.3
	EMW06-04G-A	6	R1/2	17	11.8	45.7	12.6	11.5	21	58.7
	EMW08-01G-A	8	R1/8	17.5	13.6	49.7	14.5	8	12	43.7
	EMW08-02G-A	8	R1/4	17.5	13.6	50.2	14.5	9	14	47.8
	EMW08-03G-A	8	R3/8	17.5	13.6	50.7	14.5	9.5	17	58.4
	EMW08-04G-A	8	R1/2	17.5	13.6	52.7	14.5	11.5	21	—
	EMW10-01G-A	10	R1/8	19.7	15.7	49.5	17	8	14	58.8
	EMW10-02G-A	10	R1/4	19.7	15.7	50.5	17	9	14	58.7
	EMW10-03G-A	10	R3/8	19.7	15.7	51	17	9.5	17	53.4
	EMW10-04G-A	10	R1/2	19.7	15.7	53	17	11.5	21	72.9
	EMW12-01G-A	12	R1/8	18.7	17.8	52.9	20	8	17	—
	EMW12-02G-A	12	R1/4	18.7	17.8	53.9	20	9	17	80.4
	EMW12-03G-A	12	R3/8	18.7	17.8	54.4	20	9.5	17	—
	EMW12-04G-A	12	R1/2	18.7	17.8	56.4	20	11.5	21	—

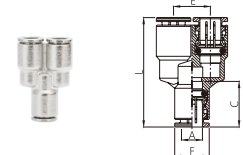
EMLL	Model	A	D	C	F	M	E	H	G	SW	SW1	Weight (g)
	EMLL04-01P-A	4	R1/8	13.5	8	16.6	37.6	8	11.3	6	10	—
	EMLL04-02P-A	4	R1/4	13.5	8	16.6	38.6	9	15.8	6	14	—
	EMLL06-01P-A	6	R1/8	17	11.8	22	41	8	13.5	—	12	33
	EMLL06-02P-A	6	R1/4	17	11.8	22	42	9	15.8	—	14	41.8
	EMLL06-03P-A	6	R3/8	17	11.8	22	42.5	9.5	19.1	—	17	—
	EMLL06-04P-A	6	R1/2	17	11.8	22	44.5	11.5	23.7	—	21	—
	EMLL08-01P-A	8	R1/8	17.5	13.6	22.8	41.3	8	13.5	11.5	12	37.2
	EMLL08-02P-A	8	R1/4	17.5	13.6	22.8	42.3	9	15.8	11.5	14	45.4
	EMLL08-03P-A	8	R3/8	17.5	13.6	22.8	42.8	9.5	19.1	11.5	17	—
	EMLL08-04P-A	8	R1/2	17.5	13.6	22.8	44.8	11.5	23.7	11.5	21	—
	EMLL10-01P-A	10	R1/8	19.7	15.7	26.5	46.4	8	15.8	12	14	—
	EMLL10-02P-A	10	R1/4	19.7	15.7	26.5	47.4	9	15.8	12	14	53.9
	EMLL10-03P-A	10	R3/8	19.7	15.7	26.5	47.9	9.5	19.1	12	17	65
	EMLL10-04P-A	10	R1/2	19.7	15.7	26.5	49.9	11.5	23.7	12	21	—
	EMLL12-01P-A	12	R1/8	18.7	17.8	27.8	47.9	8	19.1	14	14	—
	EMLL12-02P-A	12	R1/4	18.7	17.8	27.8	48.9	9	19.1	14	14	—
	EMLL12-03P-A	12	R3/8	18.7	17.8	27.8	49.4	9.5	19.1	14	17	75
	EMLL12-04P-A	12	R1/2	18.7	17.8	27.8	51.4	11.5	23.7	14	21	—

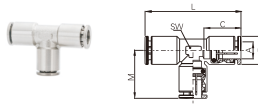
EMZT	Model	A	D	C	F	M	E	H	L	SW1	Weight (g)
	EMZT04-01P-A	4	R1/8	13.5	8	16.2	17.6	8	32.4	10	—
	EMZT04-02P-A	4	R1/4	13.5	8	16.2	18.6	9	32.4	14	—
	EMZT06-01P-A	6	R1/8	17	11.8	21.6	26	8	43.2	12	35
	EMZT06-02P-A	6	R1/4	17	11.8	21.6	27	9	43.2	14	38.9
	EMZT08-01P-A	8	R1/8	17.5	13.6	22.3	24	8	44.6	12	46.5
	EMZT08-02P-A	8	R1/4	17.5	13.6	22.3	25	9	44.6	14	49.1
	EMZT08-03P-A	8	R3/8	17.5	13.6	22.3	25.5	9.5	44.6	17	59.2
	EMZT08-04P-A	8	R1/2	17.5	13.6	22.3	27.5	11.5	44.6	21	—
	EMZT10-03P-A	10	R3/8	19.7	15.7	27.2	27.3	9.5	54.4	17	—
	EMZT12-04P-A	12	R1/2	18.7	17.8	27.5	31.4	11.5	55	21	—

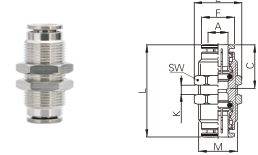
Metric Tubing

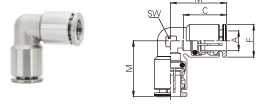
EMU	Model	A	F	C	L	Weight (g)
	EMU04-A	4	8.0	14	29	5
	EMU06-A	6	11.8	17	34	15
	EMU08-A	8	13.6	18	36	20
	EMU10-A	10	15.7	20	41	27
	EMU12-A	12	17.8	19	39	32
	EMU14-A	14	20.8	21	44	52
	EMU16-A	16	22.8	22	45	63

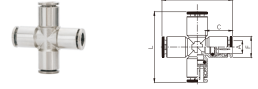
Metric Tubing

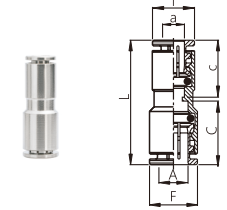
EMY	Model	A	F	L	C	E	Weight (g)
	EMY04-A	4	8.0	31	14	9	9.2
	EMY06-A	6	11.8	38	17	13	28.2
	EMY08-A	8	13.6	42	18	15	38.5
	EMY10-A	10	15.7	46	20	17	60.2
	EMY12-A	12	17.8	47	19	20	68.0

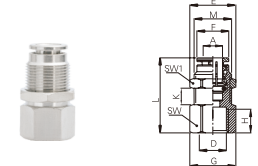
EME	Model	A	F	C	L	M	SW	Weight (g)
	EME04-A	4	8.0	14	32	16	6.0	7.9
	EME08-A	6	11.8	17	43	22	10.0	28.8
	EME06-A	8	13.6	18	45	22	12.0	33.9
	EME10-A	10	15.7	20	54	27	12.5	46.1
	EME12-A	12	17.8	19	55	28	14.0	52.1
	EME14-A	14	20.8	21	60	30	19.0	12.1
	EME16-A	16	22.8	22	66	33	19.0	111.1

EMM	Model	A	F	C	L	M	E	SW	K	Weight (g)
	EMM04-A	4	8.0	14	29	M10x1	15.8	14.0	9.0	12
	EMM06-A	6	11.8	17	35	M14x1	19.1	17.0	14.0	28
	EMM08-A	8	13.6	18	36	M16x1	21.4	19.0	15.0	38
	EMM10-A	10	15.7	20	41	M18x1	24.9	22.0	15.0	49
	EMM12-A	12	17.8	19	39	M20x1	26.9	24.0	15.0	57
	EMM14-A	14	20.8	21	44	M23x1	30.4	27.0	14.0	86
	EMM16-A	16	22.8	22	45	M26x1	33.8	30.0	18.0	106

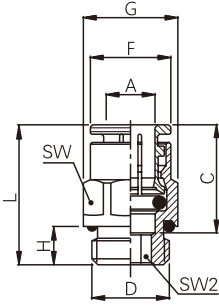
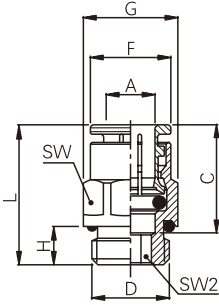
EMV	Model	A	F	M	C	SW	Weight (g)
	EMV04-A	4	8.0	16	14	6	5.8
	EMV06-A	6	11.8	22	17	10	18.8
	EMV08-A	8	13.6	22	18	12	24.0
	EMV10-A	10	15.7	27	20	13	29.5
	EMV12-A	12	17.8	28	19	14	40.9
	EMV14-A	14	20.8	30	21	19	89.6
	EMV16-A	16	22.8	33	22	19	83.3

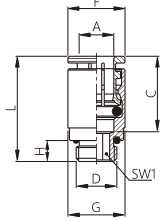
EMZA	Model	A	F	C	L	Weight (g)
	EMZA04-A	4	8.0	14	32	11
	EMZA06-A	6	11.8	17	43	34
	EMZA08-A	8	13.6	18	45	39
	EMZA10-A	10	15.7	20	54	60
	EMZA12-A	12	17.8	19	55	79

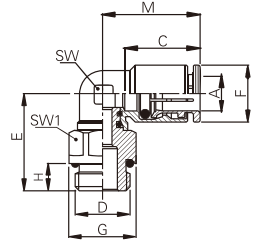
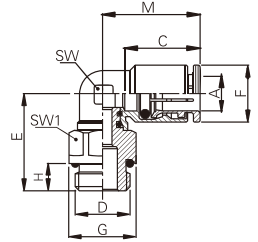
EMG	Model	A	F	C	L	a	f	c	Weight (g)
	EMG06-04-A	6	11.8	17	30.8	4	8	13.5	12.5
	EMG08-04-A	8	13.6	17.5	32.2	4	8	13.5	13.6
	EMG08-06-A	8	13.6	17.5	34.8	6	11.8	17	18.4
	EMG10-06-A	10	15.7	19.7	37.1	6	11.8	17	22.7
	EMG10-08-A	10	15.7	19.7	38.4	8	13.6	17.5	22.8
	EMG12-08-A	12	17.8	18.7	37.8	8	13.6	17.5	27.4
	EMG12-10-A	12	17.8	18.7	40.1	10	15.7	19.7	29
	EMG16-12-A	16	22.8	21.5	41.8	12	17.8	18.7	45.5
	EMG16-14-A	16	22.8	21.5	44.7	14	20.8	20.5	59.5
	EMG16-16-A	16	22.8	21.5	44.7	14	20.8	20.5	59.5

EMMF	Model	A	D	F	C	E	M	H	G	L	SW	SW1	K	Weight (g)
	EMMF04-M5-A	4	M5	8	13.5	6	M10x1	6	13.5	21.2	12	14	7	4.5
	EMMF04-01G-A	4	G1/8	8	13.5	15.8	M10x1	8	13.5	25.1	12	14	7	9
	EMMF04-02G-A	4	G1/4	8	13.5	15.8	M10x1	11	19.1	28.5	17	14	7	17
	EMMF06-01G-A	6	G1/8	11.8	17	19.1	M14x1	8	17.9	27.4	16	17	9.5	12.4
	EMMF06-02G-A	6	G1/4	11.8	17	19.1	M14x1	11	17.9	31	16	17	9	21
	EMMF08-01G-A	8	G1/8	13.6	17.5	21.4	M16x1	8	19.1	27.5	17	19	9	17
	EMMF08-02G-A	8	G1/4	13.6	17.5	21.4	M16x1	11	19.1	29.5	17	19	9	23.7
	EMMF10-03G-A	10	G3/8	15.7	19.7	24.9	M18x1	11.5	23.7	34	21	22	9	26
	EMMF10-04G-A	10	G1/2	15.7	19.7	24.9	M18x1	14	23.7	34	21	22	9	26
	EMMF10-05G-A	10	G5/8	15.7	19.7	24.9	M18x1	17	23.7	34	21	22	9	26
	EMMF10-06G-A	10	G1	15.7	19.7	24.9	M18x1	20	23.7	34	21	22	9	26

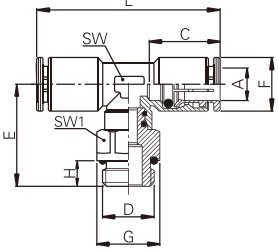
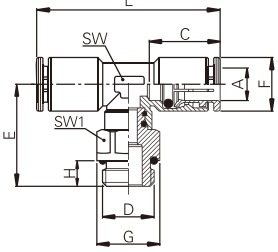
Metric Tubing-G Thread

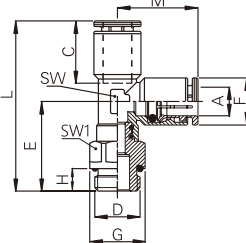
EMC		Model	A	D	C	F	L	G	H	SW	SW2	Weight (g)
 		EMC04-M5-A	4	M5	14	8	19	8.9	3.6	8.0	—	3.6
		EMC04-01G-A	4	G1/8	14	8	18	11.8	5.0	10.0	3	8.8
		EMC04-02G-A	4	G1/4	14	8	18	16.0	6.5	12.0	—	9.0
		EMC06-M5-A	6	M5	17	12	22	13.5	3.6	12.0	—	10.1
		EMC06-01G-A	6	G1/8	17	12	21	13.5	5.0	12.0	4	10.7
		EMC06-02G-A	6	G1/4	17	12	22	16.0	6.5	12.0	4	13.1
		EMC06-03G-A	6	G3/8	17	12	18	21.5	7.5	19.0	—	14.0
		EMC06-04G-A	8	G1/2	17	12	20	28.0	9.0	24.0	—	37.4
		EMC08-01G-A	8	G1/8	17.5	13.6	24.6	16	5	14	5	16.4
		EMC08-02G-A	8	G1/4	18	14	23	16.0	6.5	14.0	6	15.2
		EMC08-03G-A	8	G3/8	18	14	21	21.5	7.5	19.0	6	15.7
		EMC08-04G-A	10	G1/2	18	14	21	28.0	9.0	24.0	—	39.6
		EMC10-01G-A	10	G1/8	20	16	27	19.1	5.0	17.0	5	22.4
		EMC10-02G-A	10	G1/4	20	16	29	19.1	6.5	17.0	6	25.1
		EMC10-03G-A	10	G3/8	20	16	26	21.5	7.5	19.0	8	30.0
		EMC10-04G-A	12	G1/2	20	16	24	28.0	9.0	24.0	8	39.7
		EMC12-01G-A	12	G1/8	19	18	27	21.5	5.0	19.0	5	25.1
		EMC12-02G-A	12	G1/4	18.7	17.8	29	21.5	6.5	19	6	25.5
		EMC12-03G-A	12	G3/8	19	18	30	21.5	7.5	19.0	8	28.0
		EMC12-04G-A	14	G1/2	19	18	27	28.0	9.0	24.0	—	36.4
		EMC14-03G-A	14	G3/8	21	21	31	24.0	7.5	21.0	—	40.0
		EMC14-04G-A	16	G1/2	21	21	29	28.0	9.0	24.0	—	48.1
		EMC16-03G-A	16	G3/8	22	23	32	28.0	7.5	24.0	—	49.0
		EMC16-04G-A		G1/2	22	23	34	28.0	9.0	24.0	—	60.6

EMOC		Model	D	C	F	L	G	H	SW1	Weight (g)
 		EMOC04-M5-A	M5	13.5	8	18.2	8	3.6	2.5	3.6
		EMOC04-01G-A	G1/8	13.5	8	17.6	11.8	5	2.5	6.9
		EMOC06-M5-A	M5	17	11.8	26.5	11.8	3.6	2.5	9.4
		EMOC06-01G-A	G1/8	17	11.8	21.2	11.8	5	4	8.7
		EMOC06-02G-A	G1/4	17	11.8	21.8	16	6.5	4	13.5
		EMOC08-01G-A	G1/8	17.5	13.6	26.5	13.8	5	5	12.6
		EMOC08-02G-A	G1/4	17.5	13.6	23.2	16	6.5	6	14.7
		EMOC08-03G-A	G3/8	17.5	13.6	21	19	7	6	—
		EMOC10-02G-A	G1/2	19.7	15.7	28.6	16	6.5	6	19.8
		EMOC10-03G-A	G3/8	19.7	15.7	26.1	19	7	8	—
		EMOC12-02G-A	G1/4	18.7	17.8	28	18.5	6.5	6	—
		EMOC12-03G-A	G3/8	18.7	17.8	27.2	19	7	8	—
		EMOC12-04G-A	G1/2	18.7	17.8	25.7	24	9	8	—

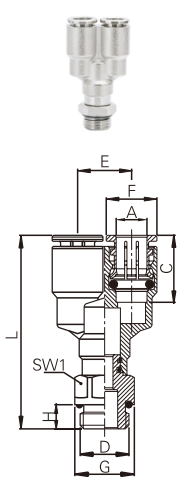
EML		Model	A	D	C	F	M	E	H	G	SW	SW1	Weight (g)
 		EML04-M5-A	4	M5	13.5	8	16.6	18	3.6	8.9	6	8	8.1
		EML04-01G-A	4	G1/8	13.5	8	16.6	15	5	13.5	6	12	10.9
		EML04-02G-A	4	G1/4	13.5	8	16.6	16.5	6.5	18	6	16	17
		EML06-M5-A	6	M5	17.0	11.8	22.0	19.0	11.6	3	—	10	16
		EML06-01G-A	6	G1/8	17	11.8	22	18	5	13.5	—	12	20
		EML06-02G-A	6	G1/4	17	11.8	22	19.5	6.5	18	—	16	22.9
		EML06-03G-A	6	G3/8	17	11.8	22	21	7.5	21.5	—	19	30.1
		EML06-04G-A	6	G1/2	17	11.8	22	23	9	28	11.5	24	41
		EML08-01G-A	8	G1/8	17.5	13.6	22.8	18.5	5	13.5	11.5	12	21.6
		EML08-02G-A	8	G1/4	17.5	13.6	22.8	20	6.5	18	11.5	16	26.9
		EML08-03G-A	8	G3/8	17.5	13.6	22.8	21.5	7.5	21.5	11.5	19	33
		EML08-04G-A	8	G1/2	17.5	13.6	22.8	23.5	9	28	12	24	34.1
		EML10-01G-A	10	G1/8	19.7	15.7	26.5	23.5	5	16	12	14	29.4
		EML10-02G-A	10	G1/4	19.7	15.7	26.5	25.5	6.5	18	12	16	35.1
		EML10-03G-A	10	G3/8	19.7	15.7	26.5	26	7.5	21.5	12	19	37.5
		EML10-04G-A	10	G1/2	19.7	15.7	26.5	28.5	9	28	14	24	52.4
		EML12-01G-A	12	G1/8	18.7	17.8	27.8	24.9	5	18	14	16	38
		EML12-02G-A	12	G1/4	18.7	17.8	27.8	26.9	6.5	18	14	16	41.4
		EML12-03G-A	12	G3/8	18.7	17.8	27.8	28	7.5	21.5	14	19	45.9
		EML12-04G-A	12	G1/2	18.7	17.8	27.8	30	9	28	19	24	61.2
		EML14-03G-A	14	G3/8	20.5	20.8	30	31.9	7.5	21.5	19	19	93.9
		EML14-04G-A	14	G1/2	20.5	20.8	30	34.9	9	28	19	24	85.7
		EML16-03G-A	16	G3/8	21.5	22.8	32.3	31.9	7.5	21.5	19	19	—
		EML16-04G-A	16	G1/2	21.5	22.8	32.3	34.9	9	28	19	24	—

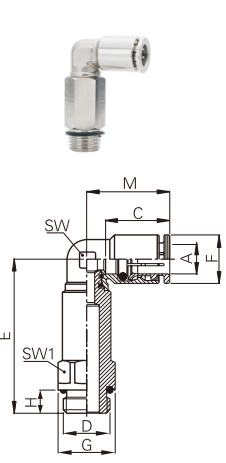
Metric Tubing-G Thread

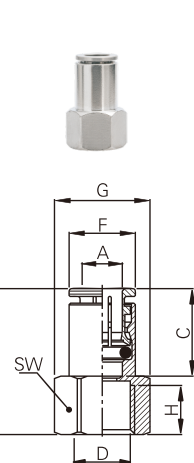
EMB		Model	A	D	C	F	L	E	G	H	SW1	SW	Weight (g)
 		EMB04-M5-A	4	M5	13.5	8	32.4	18.6	8.9	3.6	8	6	9.9
		EMB04-01G-A	4	G1/8	13.5	8	32.4	17.1	13.5	5	12	6	13.2
		EMB04-02G-A	4	G1/4	13.5	8	32.4	18.6	16	7	12	6	18.2
		EMB06-M5-A	6	M5	17	11.8	43.2	23.1	11.3	3.6	10	10	25.3
		EMB06-01G-A	6	G1/8	17	11.8	43.2	26	13.8	5	12	10	27.4
		EMB06-02G-A	6	G1/4	17	11.8	43.2	26	16	7	12	10	31.5
		EMB06-03G-A	6	G3/8	17	11.8	43.2	26.3	21.4	7	19	10	—
		EMB06-04G-A	8	G1/2	17	11.8	43.2	28	26.9	9	24	10	—
		EMB08-01G-A	8	G1/8	17.5	13.6	44.6	24	13.8	5	12	12	34.2
		EMB08-02G-A	8	G1/4	17.5	13.6	44.6	24	16	7	12	12	39.2
		EMB08-03G-A	8	G3/8	17.5	13.6	44.6	24.3	21.4	7	19	12	47.7
		EMB08-04G-A	8	G1/2	17.5	13.6	44.6	26	26.9	9	24	12	—
		EMB10-01G-A	10	G1/8	19.7	15.7	54.4	22.8	15.8	5	14	12.5	—
		EMB10-02G-A	10	G1/4	19.7	15.7	54.4	26.1	17.9	7	16	12.5	48.8
		EMB10-03G-A	10	G3/8	19.7	15.7	54.4	26.1	21.4	7	19	12.5	52.5
		EMB10-04G-A	10	G1/2	19.7	15.7	54.4	27.8	26.9	9	24	12.5	62.6
		EMB12-01G-A	12	G1/8	18.7	17.8	55	24.9	17.9	5	16	14	—
		EMB12-02G-A	12	G1/4	18.7	17.8	55	28.2	17.9	7	16	14	67.2
		EMB12-03G-A	12	G3/8	18.7	17.8	55	28.2	21.4	7	19	14	66.6
		EMB12-04G-A	12	G1/2	18.7	17.8	55	29.9	26.9	9	24	14	77.2
		EMB14-03G-A	14	G3/8	20.5	20.8	60.4	33.2	23.7	7	21	19	—
		EMB14-04G-A	14	G1/2	20.5	20.8	60.4	34.9	26.9	9	24	19	—
		EMB16-03G-A	16	G3/8	21.5	22.8	66	33.2	23.7	7	21	19	—
		EMB16-04G-A	16	G1/2	21.5	22.8	66	34.9	26.9	9	24	19	—

EMP		Model	A	D	C	F	L	E	G	M	H	SW	SW1	Weight (g)
 		EMP04-M5-A	4	M5	13.5	8.0	35	18.6	8.9	16.2	3.6	8	6	10
		EMP04-01G-A	4	G1/8	13.5	8	33.3	17.1	13.5	16.2	5	12	6	14.2
		EMP04-02G-A	4	G1/4	13.5	8	34.8	18.6	16	16.2	7	12	6	18.8
		EMP04-M5-A	6	M5	17	11.8	44.7	23.1	11.3	21.6	3.6	10	10	26
		EMP06-01G-A	6	G1/8	17	11.8	47.6	26	13.8	21.6	5	12	10	30.7
		EMP06-02G-A	6	G1/4	17	11.8	47.6	26	16	21.6	7	12	10	—
		EMP06-03G-A	6	G3/8	17	11.8	47.9	26.3	21.4	21.6	7	19	10	—
		EMP06-04G-A	8	G1/2	17	11.8	49.6	28	26.9	21.6	9	24	10	—
		EMP08-01G-A	8	G1/8	17.5	13.6	46.3	24	13.8	22.3	5	12	12	—
		EMP08-02G-A	8	G1/4	17.5	13.6	46.3	24	16	22.3	7	12	12	43
		EMP08-03G-A	8	G3/8	17.5	13.6	46.6	24.3	21.4	22.3	7	19	12	46
		EMP08-04G-A	8	G1/2	17.5	13.6	48.3	26	26.9	22.3	9	24	12	—
		EMP10-01G-A	10	G1/8	19.7	15.7	50	22.8	15.8	27.2	5	14	12.5	45
EMP10-02G-A	10	G1/4	19.7	15.7	53.3	26.1	17.9	27.2	7	16	12.5	46		
EMP10-03G-A	10	G3/8	19.7	15.7	53.3	26.1	21.4	27.2	7	19	12.5	49		
EMP10-04G-A	10	G1/2	19.7	15.7	55	27.8	26.9	27.2	9	24	12.5	63		
EMP12-01G-A	12	G1/8	18.7	17.8	52.4	24.9	17.9	27.5	5	16	14	—		
EMP12-02G-A	12	G1/4	18.7	17.8	55.7	28.2	17.9	27.5	7	16	14	—		
EMP12-03G-A	12	G3/8	18.7	17.8	55.7	28.2	21.4	27.5	7	19	14	—		
EMP12-04G-A	12	G1/2	18.7	17.8	57.4	29.9	26.9	27.5	9	24	14	—		

Metric Tubing-G Thread

EMW	Model	A	D	C	F	L	E	G	H	SW1	Weight (g)
	EMW04-M5-A	4	M5	14	8	32	9	9	4	8	13
	EMW04-01G-A	4	G1/8	13.5	8	34.3	8.6	13.5	5	12	—
	EMW04-02G-A	4	G1/4	13.5	8	34.3	8.6	16	7	12	—
	EMW06-M5-A	6	M5	17	11.8	40.7	12.6	11.3	3.6	10	27.8
	EMW06-01G-A	6	G1/8	17	11.8	42.7	12.6	13.8	5	12	37.5
	EMW06-02G-A	6	G1/4	17	11.8	43.2	12.6	16	7	12	—
	EMW06-03G-A	6	G3/8	17	11.8	43.2	12.6	21.4	7	19	—
	EMW06-04G-A	8	G1/2	17	11.8	45.7	12.6	26.9	9	24	—
	EMW08-01G-A	8	G1/8	17.5	13.6	49.7	14.5	13.8	5	12	—
	EMW08-02G-A	8	G1/4	17.5	13.6	49.7	14.5	16	7	12	46.1
	EMW08-03G-A	8	G3/8	17.5	13.6	50.7	14.5	21.4	7	19	—
	EMW08-04G-A	8	G1/2	17.5	13.6	52.7	14.5	26.9	9	24	—
	EMW10-01G-A	10	G1/8	19.7	15.7	49.5	17	15.8	5	14	—
	EMW10-02G-A	10	G1/4	19.7	15.7	49.5	17	17.9	7	16	—
	EMW10-03G-A	10	G3/8	19.7	15.7	51	17	21.4	7	19	66.7
	EMW10-04G-A	10	G1/2	19.7	15.7	53	17	26.9	9	24	—
	EMW12-01G-A	12	G1/8	18.7	17.8	52.9	20	17.9	5	16	—
	EMW12-02G-A	12	G1/4	18.7	17.8	52.9	20	17.9	7	16	—
	EMW12-03G-A	12	G3/8	18.7	17.8	54.4	20	21.4	7	19	—
	EMW12-04G-A	12	G1/2	18.7	17.8	56.4	20	26.9	9	24	—
	EMW14-04G-A	14	G1/2	20.5	20.8	60	25	26.9	9	24	—

EMLL	Model	A	D	C	F	M	E	G	H	SW	SW1	Weight (g)
	EMLL04-M5-A	4	M5	14	8	17	32	9	4	6	8	—
	EMLL04-01G-A	4	G1/8	13.5	8	16.6	37.6	13.5	5	6	12	—
	EMLL04-02G-A	4	G1/4	13.5	8	16.6	37.1	16	7	6	12	—
	EMLL06-M5-A	6	M5	17	11.8	22	35	11.3	3.6	—	10	25.5
	EMLL06-01G-A	6	G1/8	17	11.8	22	41	13.8	5	—	12	—
	EMLL06-02G-A	6	G1/4	17	11.8	22	41	16	7	—	12	—
	EMLL06-03G-A	6	G3/8	17	11.8	22	40.5	21.4	7	—	19	—
	EMLL06-04G-A	8	G1/2	17	11.8	22	42.9	26.9	9	—	24	—
	EMLL08-01G-A	8	G1/8	17.5	13.6	22.8	41.3	13.8	5	11.5	12	37.2
	EMLL08-02G-A	8	G1/4	17.5	13.6	22.8	41.3	16	7	11.5	12	45.5
	EMLL08-03G-A	8	G3/8	17.5	13.6	22.8	40.8	21.4	7.5	11.5	19	—
	EMLL08-04G-A	8	G1/2	17.5	13.6	22.8	43.2	26.9	9	11.5	24	—
	EMLL10-01G-A	10	G1/8	19.7	15.7	26.5	43.4	19.1	5	12	14	—
	EMLL10-02G-A	10	G1/4	19.7	15.7	26.5	45.4	19.1	7	12	16	52.2
	EMLL10-03G-A	10	G3/8	19.7	15.7	26.5	45.9	21.4	7	12	19	—
	EMLL10-04G-A	10	G1/2	19.7	15.7	26.5	48.3	26.9	9	12	24	—
	EMLL12-01G-A	12	G1/8	18.7	17.8	27.8	45.9	17.9	5	14	16	—
	EMLL12-02G-A	12	G1/4	18.7	17.8	27.8	46.9	17.9	7	14	16	—
	EMLL12-03G-A	12	G3/8	18.7	17.8	27.8	47.4	21.4	7.5	14	19	—
	EMLL12-04G-A	12	G1/2	18.7	17.8	27.8	49.9	26.9	9	14	24	—

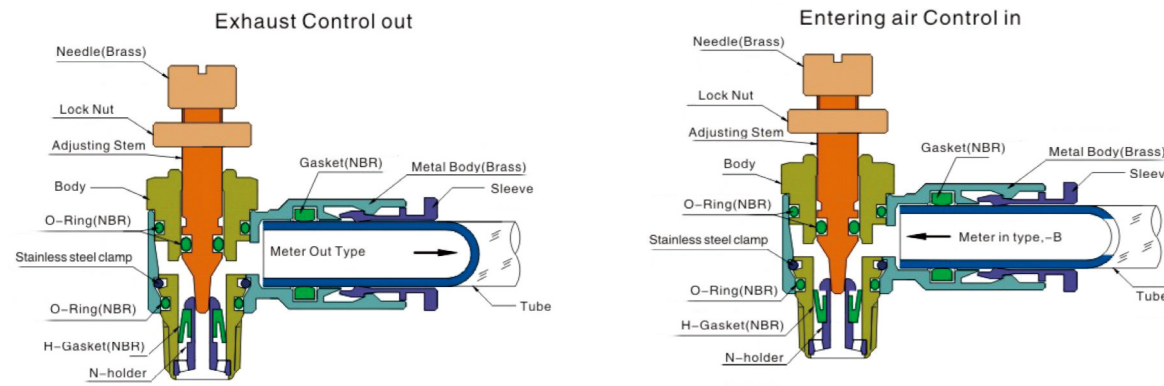
EMCF	Model	A	D	C	F	L	G	H	SW	Weight (g)
	EMCF04-M5-A	4	M5	13.5	8	20.6	8.9	6	8	4.6
	EMCF04-01G-A	4	G1/8	13.5	8	22.6	13.5	8	12	9.2
	EMCF04-02G-A	4	G1/4	13.5	8	25.6	19.1	11	17	16.9
	EMCF06-M5-A	6	M5	17	11.8	23.2	13.5	6	12	12.6
	EMCF06-01G-A	6	G1/8	17	11.8	26.4	13.5	8	12	13.7
	EMCF06-02G-A	6	G1/4	17	11.8	29.4	19.1	11	17	21.3
	EMCF06-03G-A	6	G3/8	17	11.8	30	21.4	11.5	19	22.1
	EMCF06-04G-A	6	G1/2	17	11.8	31	26.9	12.5	24	23.4
	EMCF08-01G-A	8	G1/8	17.5	13.6	27.5	15.8	8	14	18.7
	EMCF08-02G-A	8	G1/4	17.5	13.6	29.5	19.1	11	17	23.4
	EMCF08-03G-A	8	G3/8	17.5	13.6	30	21.4	11.5	19	24.9
	EMCF08-04G-A	8	G1/2	17.5	13.6	31	26.9	12.5	24	35.9
	EMCF10-01G-A	10	G1/8	19.7	15.7	29.6	19.1	8	17	27.5
	EMCF10-02G-A	10	G1/4	19.7	15.7	31.6	19.1	11	17	25.8
	EMCF10-03G-A	10	G3/8	19.7	15.7	32.1	21.4	11.5	19	27.5
	EMCF10-04G-A	10	G1/2	19.7	15.7	33.1	26.9	12.5	24	38.8
	EMCF12-01G-A	12	G1/8	18.7	17.8	27.7	21.4	8	19	—
	EMCF12-02G-A	12	G1/4	18.7	17.8	30.7	21.4	11	19	33.5
	EMCF12-03G-A	12	G3/8	18.7	17.8	31.2	21.4	11.5	19	31.2
	EMCF12-04G-A	12	G1/2	18.7	17.8	32.2	26.9	12.5	24	37.8

Speed Controller

Features
Used for speed control of driving unit.
Pipe connection kept 360° changeable even after installed.
All taped thread fittings are coated with sealant.
All parallel thread fittings are fitted with O-ring.

Warning
When the needle opened slowly from the "completely closed"; it is dangerous because the actuator may be sudden come out" while adjusting of the needle in case of it is opened. It should be operating in secure, Clockwise to Hoffn, counterclockwise to "on" Don't swing or rotate the products forcibly, it may result in damage or cause leakage.

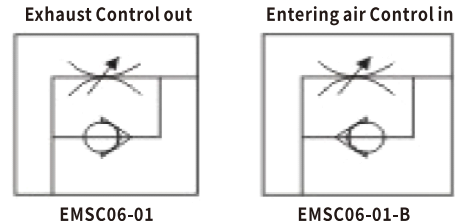
Note
To a certain extent, the few air leakage of Speed Control is allowed when it is in a completely closed situation because of it is design, Please don't use it in the environment required no air leakage.



Specifications

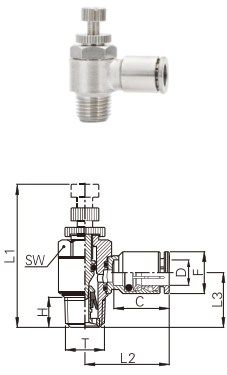
Fluid	Air (no other gases or liquids)
Operating Pressure	0.1-1.0MPa(15-150psi)
Max Pressure	1.5MPa(225psi)
Operating Temperature	0-60°C(32-140°F)
Applicable Tube	Polyurethane and Nylon

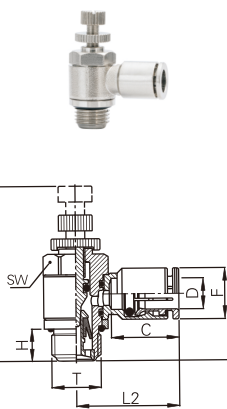
Control Methods



When you order control in type, please put B at the end of model type. For example,EMSC06-01-B.



EMSC	Model	D	L1	L2	L3	C	F	SW	T	H
	EMSC04-01P-A	4.0	37.5	21.0	15.0	13.5	8.0	12.0	R1/8	8.0
	EMSC04-02P-A	4.0	43.0	23.0	18.0	13.5	8.0	15.0	R1/4	9.0
	EMSC06-01P-A	6.0	37.5	23.0	15.0	17.0	11.8	12.0	R1/8	8.0
	EMSC06-02P-A	6.0	43.0	24.0	18.0	17.0	11.8	15.0	R1/4	9.0
	EMSC06-03P-A	6.0	57.0	26.0	20.0	17.0	11.8	21.0	R3/8	9.5
	EMSC06-04P-A	6.0	61.0	28.0	22.5	17.0	11.8	24.0	R1/2	11.5
	EMSC08-01P-A	8.0	37.5	25.0	15.0	17.5	13.6	12.0	R1/8	8.0
	EMSC08-02P-A	8.0	43.0	26.0	18.0	17.5	13.6	15.0	R1/4	9.0
	EMSC08-03P-A	8.0	57.0	28.0	20.0	17.5	13.6	21.0	R3/8	9.5
	EMSC08-04P-A	8.0	61.0	30.5	22.5	17.5	13.6	24.0	R1/2	11.5
	EMSC10-01P-A	10.0	37.5	27.0	16.0	19.7	15.7	12.0	R1/8	8.0
	EMSC10-02P-A	10.0	43.0	128.0	19.0	19.7	15.7	15.0	R1/4	9.0
	EMSC10-03P-A	10.0	57.0	30.0	20.0	19.7	15.7	21.0	R3/8	9.5
	EMSC10-04P-A	10.0	61.0	30.0	22.5	19.7	15.7	24.0	R1/2	11.5
	EMSC12-02P-A	12.0	43.0	20.0	20.0	18.7	17.8	15.0	R1/8	9.0
	EMSC12-03P-A	12.0	57.0	31.0	21.0	18.7	17.8	21.0	R1/4	9.5
	EMSC16-04P-A	12.0	61.0	31.0	22.5	18.7	17.8	22.0	R1/2	11.5
	EMSC16-04P-A	16.0	61.0	40.8	22.5	21.5	22.8	24.0	R1/2	11.5

EMSC	Model	D	L1	L2	L3	C	F	SW	T	H
	EMSC04-M5-A	4	31	18	10	14	8	12	M5	3.6
	EMSC04-01G-A	4	38	21	15	14	8	12	G1/8	5
	EMSC04-02G-A	4	43	23	18	14	8	15	G1/4	7
	EMSC06-M5-A	6	31	21	11	17	12	12	M5	3.6
	EMSC06-01G-A	6	38	23	15	17	12	12	G1/8	5
	EMSC06-02G-A	6	43	24	18	17	12	15	G1/4	7
	EMSC06-03G-A	6	57	26	20	17	12	21	G3/8	7.5
	EMSC06-04G-A	6	61	28	23	17	12	24	G1/2	9
	EMSC08-01G-A	8	38	25	15	18	14	12	G1/8	5
	EMSC08-02G-A	8	43	26	18	18	14	15	G1/4	7
	EMSC08-03G-A	8	57	28	20	18	14	21	G3/8	7.5
	EMSC08-04G-A	8	61	31	23	18	14	24	G1/2	9
	EMSC10-01G-A	10	38	27	16	20	16	12	G1/8	5
	EMSC10-02G-A	10	43	128	19	20	16	15	G1/4	7
	EMSC10-03G-A	10	57	30	20	20	16	21	G3/8	7.5
	EMSC10-04G-A	10	61	30	23	20	16	24	G1/2	9
	EMSC12-02G-A	12	43	20	20	19	18	15	G1/4	7
	EMSC12-03G-A	12	57	31	21	19	18	21	G3/8	7.5
	EMSC12-04G-A	12	61	31	23	19	18	22	G1/2	9
	EMSC16-04G-A	16	61	41	26	22	23	24	G1/2	9

How to Order?

Series No.	O.D. of Tube	Port Size	Thread Type
EC	04: 4mm	01: 1/8 "	06: 3/4"
EH	06: 6mm	02: 1/4 "	08: 1"
ELF	08: 8mm	03: 3/8 "	10: 1-1/4"
...	10: 10mm	04: 1/2 "	
	12: 12mm		
		P: PT	
		G: G	
		T: NPT	

Order example:

EC series metal fitting, for 4mm OD tube, PT1/8" port size, ERP code is : EC04-01
Note: If both sides with tube, then show the size accordingly, if the same be same, then only show one. For example, EH fitting, both for 6mm OD tube, ERP code is : EH-06

EC  Model EC 04-01 EC 06-01 EC 08-01 EC 10-01 EC 12-01 EC 04-02 EC 06-02 EC 08-02 EC 10-02 EC 12-02 EC 14-02 EC 16-02 EC 04-03 EC 06-03 EC 08-03 EC 10-03 EC 12-03 EC 14-03 EC 16-03 EC 04-04 EC 06-04 EC 08-04 EC 10-04 EC 12-04 EC 14-04 EC 16-04	EH  Model EH-06 EH-08 EH-10 EH-12 EH 1/4 EH 5/16 EH 3/8 EH 1/2 EH 3/4	ELF  Model ELF 01 ELF 02 ELF 03 ELF 04	EL  Model EL01 EL02 EL03 EL04
EFM  Model EFM1 01 EFM1 01-02 EFM1 02-01 EFM1 02 EFM1 02-03 EFM1 03-02 EFM1 03 EFM1 04	ELFM  Model ELFM 01 ELFM 01-02 ELFM 02-01 ELFM 02 ELFM 02-03 ELFM 03-01 ELFM 03-02 ELFM 03 ELFM 03-04 ELFM 04-03 ELFM 04	ECF  Model ECF 01 ECF 02-01 ECF 02 ECF 03-01 ECF 03-02 ECF 03 ECF 04-01 ECF 04-02 ECF 04-03 ECF-04 ECF 06-04 ECF 06	ECN  Model ECN 01 ECN 02-01 ECN 02 ECN 03-01 ECN 03-02 ECN 03 ECN 04-01 ECN 04-02 ECN 04-03 ECN 04 ECN 06-02 ECN 06-03 ECN 06-04 ECN 06 ECN 08-04 ECN 08-06 ECN 08 ECN 10
ECH  Model ECH 6-01 ECH 8-01 ECH 10-01 ECH 12-01 ECH 6-02 ECH 8-02 ECH 10-02 ECH 12-02 ECH 14-02 ECH 16-02 ECH 6-03 ECH 8-03 ECH 10-03 ECH 12-03 ECH 14-03 ECH 16-03 ECH 6-04 ECH 8-04 ECH 10-04 ECH 12-04 ECH 14-04 ECH 16-04 ECH 19-04 ECH 8-06 ECH 10-06 ECH 12-06 ECH 14-06 ECH 16-06 ECH 19-06 ECH 25-06 ECH 10-08 ECH 12-08 ECH 14-08 ECH 16-08 ECH 19-08 ECH 1/8-01 ECH 3/16-01 ECH 1/4-01 ECH 5/16-01 ECH 3/8-01 ECH 1/2-01 ECH 1/8-02 ECH 3/16-02 ECH 1/4-02 ECH 5/16-02 ECH 3/8-02 ECH 1/2-02 ECH 5/8-02 ECH 3/4-02 ECH 1/4-03 ECH 5/16-03 ECH 3/8-03 ECH 1/2-03 ECH 5/8-03 ECH 3/4-03 ECH 1/4-04 ECH 5/16-04 ECH 3/8-04 ECH 1/2-04 ECH 5/8-04 ECH 3/4-04 ECH 1-04 ECH 3/8-06 ECH 1/2-06 ECH 5/8-06 ECH 3/4-06 ECH 1-06 ECH 1/2-08 ECH 3/4-08 ECH 1-08 ECH 1-1/4-08 ECH 1-1/2-08	ECHF  Model ECHF 6-01 ECHF 8-01 ECHF 10-01 ECHF 12-01 ECHF 6-02 ECHF 8-02 ECHF 10-02 ECHF 12-02 ECHF 14-02 ECHF 16-02 ECHF 6-03 ECHF 8-03 ECHF 10-03 ECHF 12-03 ECHF 14-03 ECHF 16-03 ECHF 6-04 ECHF 8-04 ECHF 10-04 ECHF 12-04 ECHF 14-04 ECHF 16-04 ECHF 19-04 ECHF 8-06 ECHF 10-06 ECHF 12-06 ECHF 14-06 ECHF 16-06 ECHF 19-06 ECHF 25-06 ECHF 10-08 ECHF 12-08 ECHF 14-08 ECHF 16-08 ECHF 19-08 ECHF 25-08 ECHF 33-08 ECHF 1/8-01 ECHF 3/16-01 ECHF 1/4-01 ECHF 5/16-01 ECHF 3/8-01 ECHF 1/2-01 ECHF 1/8-02 ECHF 3/16-02 ECHF 1/4-02 ECHF 5/16-02 ECHF 3/8-02 ECHF 1/2-02 ECHF 5/8-02 ECHF 3/4-02 ECHF 1/4-03 ECHF 5/16-03 ECHF 3/8-03 ECHF 1/2-03 ECHF 5/8-03 ECHF 3/4-03 ECHF 1/4-04 ECHF 5/16-04 ECHF 3/8-04 ECHF 1/2-04 ECHF 5/8-04 ECHF 3/4-04 ECHF 1-04 ECHF 3/8-06 ECHF 1/2-06 ECHF 5/8-06 ECHF 3/4-06 ECHF 1-06 ECHF 1-08 ECHF 3/4-08 ECHF 1-08 ECHF 1-1/4-08 ECHF 1-1/2-08		EHH  Model EHH 06 EHH 08 EHH 10 EHH 12 EHH 14 EHH 16 EHH 3/16 EHH 1/4 EHH 5/16 EHH 3/8 EHH 1/2 EHH 5/8 EHH 3/4

How to Order?

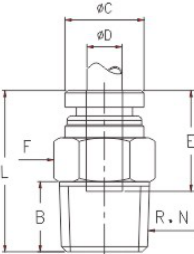
Series No.	O.D. of Tube	Thread Size	Fitting Material	Thread Type
SPU	04: 4mm	M5: M5	S1: SS316	P: PT
SPE	06: 6mm	M6: M6	S2: SS304	G: G
SPV	08: 8mm	01: 1/8 "		T: NPT
...	10: 10mm	02: 1/4 "		
	12: 12mm	03: 3/8 "		
		04: 1/2 "		

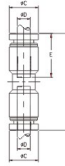
Order example:

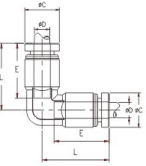
SPC series stainless steel fitting, for 4mm OD tube, PT1/8" port size, SS316 material, ERP code is : SPC04-01S1P
Note: If both sides with tube, then show the size accordingly, If the size is the same, then only show one. For example, SPU fitting, both for 6mm OD tube, SS316 material, ERP code is : SPU 06 S1

Note: If both ends are inserted, the tube OD size is shown side by side, if the size is the same, only one is shown; such as SPU stainless steel fittings, both with 6mm OD tubes, fittings material SS316. Its ERP code is: SPU06S1

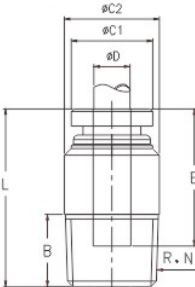
Model

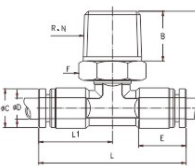
SPC	Model	B	ΦC	ΦD	E	F	R. N	L	g	Main Dimension
	SPC04-01	8	09	04	14.7	S10	1/8	21.4	90.5	
	SPC04-02	11	09	04	14.7	S14	1/4	23	20.0	
	SPC06-01	8	11	06	16.4	S12	1/8	21.7	8.5	
	SPC06-02	11	11	06	16.4	S14	1/4	23.2	17.5	
	SPC06-03	11	11	06	16.4	S17	3/8	23.2	26.5	
	SPC06-04	14.5	11	06	16.4	S22	1/2	28.5	57	
	SPC08-01	8	13.7	08	16.8	S14	1/8	26.7	13.5	
	SPC08-02	11	13.7	08	16.8	S14	1/4	24.7	15.5	
	SPC08-03	11	13.7	08	16.8	S17	3/8	24.7	22.5	
	SPC08-04	14.5	13.7	08	16.8	S22	1/2	28.6	55.5	
	SPC10-01	8	15.5	10	18.4	S17	1/8	28.5	25	
	SPC10-02	11	15.5	10	18.4	S17	1/4	29.5	26	
	SPC10-03	11	15.5	10	18.4	S17	3/8	26.1	23	
	SPC10-04	14.5	15.5	10	18.4	S22	1/2	28.5	48.5	
	SPC12-02	11	18.7	12	19.2	S19	1/4	31.5	32	
	SPC12-03	11	18.7	12	19.2	S19	3/8	28	28	
	SPC12-04	14.5	18.7	12	19.2	S22	1/2	28.5	44	
	SPC12-06	14.5	18.7	12	19.2	S27	3/4	29.5	79.5	
	SPC14-02	11	20.6	14	20	S19	1/4	31	37	
	SPC14-03	11	20.6	14	20	S19	3/8	31	40.5	
	SPC14-04	14.5	20.6	14	20	S22	1/2	30.5	43.5	
	SPC14-06	14.5	20.6	14	20	S27	3/4	29.5	6.9	
	SPC14-1"	16	20.6	14	20	S34	1"	31.5	123	
	SPC16-03	11	22.6	16	19.7	S22	3/8	31.9	51	
	SPC16-04	14.5	22.6	16	19.7	S22	1/2	32.4	—	
	SPC16-06	14.5	22.6	16	19.7	S27	3/4	29.5	65	
	SPC16-1"	16	22.6	16	19.7	S34	1"	29.4	12.9	

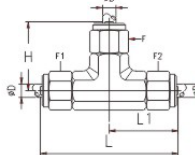
SPU	Model	ΦC	ΦD	E	L	g	Main Dimension
	SPU04	9	04	14.7	33	13	
	SPU06	11	06	16.4	36	11.5	
	SPU08	13.7	08	16.8	36	20	
	SPU10	15.5	10	18.4	39	27.5	
	SPU12	18.7	12	19.2	40	38.5	
	SPU14	20.6	14	20	40	51	
	SPU16	22.6	16	19.7	41	52.5	

SPV	Model	ΦC	ΦD	E	L	g	Main Dimension
	SPV04	9	04	14.7	17.5	11	
	SPV06	11	06	16.4	21.1	16	
	SPV08	13.7	08	16.8	22	24	
	SPV10	15.5	10	18.4	24.6	34	
	SPV12	18.7	12	19.2	28.8	53.5	
	SPV14	20.6	14	20	27.8	-	
	SPV16	22.6	16	19.7	34.7	-	

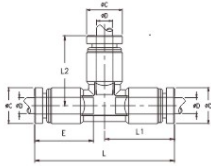
Model

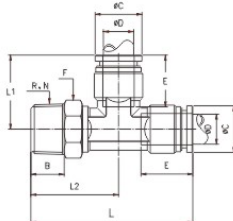
SPOC	Model	B	ΦC1	ΦC2	D	E	R. N	L	g	Main Dimension
	SPOC04-01	8	09	10.5	04	14.7	1/8	21.4	9	
	SPOC04-02	11	09	14	04	14.7	1/4	23	/	
	SPOC06-01	8	11	12	06	16.4	1/8	21.7	9	
	SPOC06-02	11	11	14	06	16.4	1/4	23.2	16	
	SPOC06-03	11	11	17	06	16.4	3/8	23.2	24	
	SPOC06-04	14.5	11	14	06	16.4	1/2	28.5	53	
	SPOC08-01	8	13.7	14	08	16.8	1/8	26.7	11	
	SPOC08-02	11	13.7	14	08	16.8	1/4	24.7	14	
	SPOC08-03	11	13.7	17	08	16.8	3/8	24.7	20	
	SPOC08-04	14.5	13.7	21	08	16.8	1/2	28.6	51	
	SPOC10-01	8	15.5	16	10	18.4	1/8	28.4	22	
	SPOC10-02	11	15.5	16	10	18.4	1/4	29.5	24	
	SPOC10-03	11	15.5	17	10	18.4	3/8	26.1	22	
	SPOC10-04	14.5	15.5	21	10	18.4	1/2	28.5	40	
	SPOC12-02	11	18.7	19.2	12	19.2	1/4	31.5	38	
	SPOC12-03	11	18.7	19.2	12	19.2	3/8	28	25	
	SPOC12-04	14.5	18.7	21	12	19.2	1/2	28.5	40	
	SPOC14-02	11	20.6	21	14	20	1/4	31	34	
	SPOC14-03	11	20.6	21	14	20	3/8	31	39	
	SPOC14-04	14.5	20.6	21	14	20	1/2	30.5	41	
	SPOC14-06	14.5	20.6	27	14	20	3/4	29.5	63	
	SPOC16-03	11	22.6	23	16	19.7	3/8	31.9	/	
	SPOC16-04	14.5	22.6	23	16	19.7	1/2	32.4	/	
	SPOC16-06	14.5	22.6	27	16	19.7	3/4	29.5	60	
	SPOC16-1"	16	22.6	34	16	19.7	1"	29.4	121	

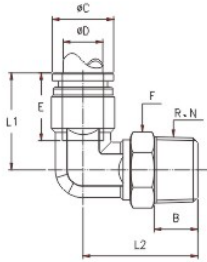
SPB	Model	B	ΦC	ΦD	E	F	R. N	H	L1	L2	g	Main Dimension
	SPB 04-01	8	9	04	14.7	S12	1/8	20.5	17.4	34.8	19.5	
	SPB 04-02	11	9	04	14.7	S14	1/4	24	17.4	34.8	23	
	SPB 06-01	8	11	06	16.4	S12	1/8	21	21.1	42.2	25.5	
	SPB 06-02	11	11	06	16.4	S14	1/4	25	21.1	42.2	30	
	SPB 06-03	11	11	06	16.4	S17	3/8	25	21.1	42.2	34	
	SPB 06-04	14.5	11	06	16.4	S22	1/2	28.5	21.1	42.2	—	
	SPB 08-01	8	13.7	08	16.8	S12	1/8	23.9	22	44	33	
	SPB 08-02	11	13.7	08	16.8	S14	1/4	27.4	22	44	36	
	SPB 08-03	11	13.7	08	16.8	S17	3/8	27.9	22	44	—	
	SPB 08-04	14.5	13.7	08	16.8	S22	1/2	31.4	22	44	—	
	SPB 10-02	11	15.5	10	18.4	S17	1/4	28.5	24.6	49.2	54	
	SPB 10-03	11	15.5	10	18.4	S17	3/8	29	24.6	49.2	—	
	SPB 10-04	14.5	15.5	10	18.4	S22	1/2	32.5	24.6	49.2	78.5	
	SPB 12-02	11	18.7	12	19.2	S19	1/4	30.5	28.8	57.5	—	
	SPB 12-03	11	18.7	12	19.2	S19	3/8	31	28.8	57.6	—	
	SPB 12-04	14.5	18.7	12	19.2	S22	1/2	34.5	28.8	57.6	—	
	SPB 12-06	14.5	18.7	12	19.2	S27	3/4	36	28.8	57.6	—	
	SPB 12-1"	16	18.7	12	19.2	S27	1"	37	28.8	57.6	—	
	SPB 14-02	11	20.6	14	20	S19	1/4	30.5	27.8	55.6	—	
	SPB 14-03	11	20.6	14	20	S19	3/8	31	27.8	55.6	—	
	SPB 14-04	14.5	20.6	14	20	S22	1/2	34.7	27.8	55.6	—	
	SPB 14-06	14.5	20.6	14	20	S27	3/4	36	27.8	55.6	—	
	SPB 14-1"	16	20.6	14	20	S34	1"	37	27.8	55.6	—	
	SPB 16-03	11	22.6	16	19.7	S22	3/8	31.5	34.7	69.4	134	
	SPB 16-04	14.5	22.6	16	19.7	S22	1/2	35	34.7	69.4	142	
	SPB 16-06	14.5	22.6	16	19.7	S27	3/4	36.5	34.7	69.4	173	
	SPB 16-1"	16	22.6	16	19.7	S34	1"	37.5	34.7	69.4	—	

SME	Model	ΦD	F	F1	F2	L	L1	H	g	Main Dimension
	SME04	04	S10	S10	S10	41.3	20.6	20.6	/	
	SME06	06	S12	S12	S12	52.2	26.1	26.1	/	
	SME08	08	S14	S14	S14	55	27.5	27.5	/	
	SME10	10	S17	S17	S17	55.6	27.8	27.8	/	
	SME12	12	S19	S19	S19	61.8	30.9	30.9	/	
	SME14	14	S22	S22	S22	64.7	32.35	32.35	/	
	SME16	16	S22	S22	S22	64.2	32.1	32.1	/	

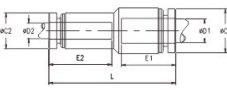
Model

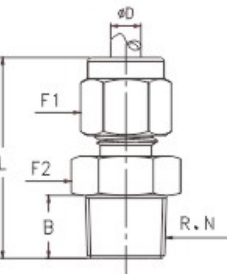
SPE	Model	ΦC	ΦD	E	L2	L1	L1	g	Main Dimension
	SPE04	9	04	14.7	17.6	17.6	35.2	16.5	
	SPE06	11	06	16.4	20.9	20.9	41.8	23.5	
	SPE08	13.7	08	16.8	22.1	22.1	44.2	28.5	
	SPE10	15.5	10	18.4	24.7	24.7	49.4	48.5	
	SPE12	18.7	12	19.2	27.4	27.4	54.8	72.5	
	SPE14	20.6	14	20	27.5	27.5	55	76.5	
	SPE16	22.6	16	19.7	35	35	70	142.5	

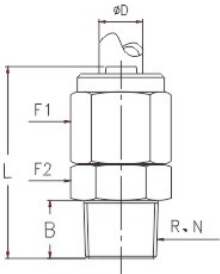
SPD	Model	B	ΦC	ΦD	E	F	R, N	H	L1	L2	g	Main Dimension
	SPD 04-01	8	9	04	14.7	S12	1/8	20.5	16.9	37.9	19.5	
	SPD 04-02	11	9	04	14.7	S14	1/4	24	16.9	41.4	23	
	SPD 06-01	8	11	06	16.4	S12	1/8	21	21.1	42.1	25.5	
	SPD 06-02	11	11	06	16.4	S14	1/4	24.5	21.1	46.1	30	
	SPD 06-03	11	11	06	16.4	S17	3/8	25	21.1	46.1	34	
	SPD 06-04	14.5	11	06	16.4	S22	1/2	28.5	21.1	49.6	—	
	SPD 08-01	8	13.7	08	16.8	S12	1/8	23.9	22	55.9	33	
	SPD 08-02	11	13.7	08	16.8	S14	1/4	27.4	22	49.4	36	
	SPD 08-03	11	13.7	08	16.8	S17	3/8	27.9	22	49.9	—	
	SPD 08-04	14.5	13.7	08	16.8	S22	1/2	31.4	22	53.4	—	
	SPD 10-02	11	15.5	10	18.4	S17	1/4	28.5	24.6	53.1	54	
	SPD 10-03	11	15.5	10	18.4	S17	3/8	29	24.6	53.6	—	
	SPD 10-04	14.5	15.5	10	18.4	S22	1/2	32.5	24.6	37.1	78.5	
	SPD 12-02	11	18.7	12	19.2	S19	1/4	30.5	28.8	59.3	—	
	SPD 12-03	11	18.7	12	19.2	S19	3/8	31	28.8	59.8	—	
	SPD 12-04	14.5	18.7	12	19.2	S22	1/2	34.5	28.8	63.3	—	
	SPD 12-06	14.5	18.7	12	19.2	S27	3/4	34.5	28.8	64.8	—	
	SPD 12-1"	16	18.7	12	19.2	S27	1"	37	28.8	65.8	—	
	SPD 14-02	11	20.6	14	20	S19	1/4	30.5	27.8	58.3	—	
	SPD 14-03	11	20.6	14	20	S19	3/8	31	27.8	58.8	—	
	SPD 14-04	14.5	20.6	14	20	S22	1/2	34.5	27.8	62.5	—	
	SPD 14-06	14.5	20.6	14	20	S27	3/4	34.5	27.8	63.8	—	
	SPD 14-1"	16	20.6	14	20	S34	1"	37	27.8	64.8	—	
	SPD 16-03	11	22.6	16	19.7	S22	3/8	31.5	34.7	66.2	134	
	SPD 16-04	14.5	22.6	16	19.7	S22	1/2	35	34.7	69.7	142	
	SPD 16-06	14.5	22.6	16	19.7	S27	3/4	35	34.7	71.2	173	
	SPD 16-1"	16	22.6	16	19.7	S34	1"	37.5	34.7	72.2	—	

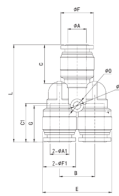
SPL	Model	B	ΦC	ΦD	E	F	R, N	L1	L2	g	Main Dimension
	SPL 04-01	8	9	04	14.7	S12	1/8	17.4	20.5	15.5	
	SPL 04-02	11	9	04	14.7	S14	1/4	17.4	24	20	
	SPL 06-01	8	11	06	16.4	S12	1/8	21.1	21	18.5	
	SPL 06-02	11	11	06	16.4	S14	1/4	21.1	24.5	24	
	SPL 06-03	11	11	06	16.4	S17	3/8	21.1	25	36.5	
	SPL 06-04	14.5	11	06	16.4	S22	1/2	21.1	28.5	50	
	SPL 08-01	8	13.7	08	16.8	S14	1/8	22	23.9	25	
	SPL 08-02	11	13.7	08	16.8	S14	1/4	22	27.4	27.5	
	SPL 08-03	11	13.7	08	16.8	S17	3/8	22	27.9	34	
	SPL 08-04	14.5	13.7	08	16.8	S22	1/2	22	31.4	51	
	SPL 10-01	8	15.5	10	18.4	S17	1/8	24.6	25.5	37.5	
	SPL 10-02	11	15.5	10	18.4	S17	1/4	24.6	28.5	40.5	
	SPL 10-03	11	15.5	10	18.4	S17	3/8	24.6	29	43.5	
	SPL 10-04	14.5	15.5	10	18.4	S22	1/2	24.6	32.5	61.5	
	SPL 12-02	11	18.7	12	19.2	S19	1/4	28.8	30.5	57	
	SPL 12-03	11	18.7	12	19.2	S19	3/8	28.8	31	61	
	SPL 12-04	14.5	18.7	12	19.2	S22	1/2	28.8	34.5	—	
	SPL 12-06	14.5	18.7	12	19.2	S27	3/4	28.8	34.5	—	
	SPL 14-02	11	20.6	14	20	S19	1/4	27.8	30.5	—	
	SPL 14-03	11	20.6	14	20	S19	3/8	27.8	31	—	
	SPL 14-04	14.5	20.6	14	20	S22	1/2	27.8	34.5	—	
	SPL 14-06	14.5	20.6	14	20	S27	3/4	27.8	34.5	—	
	SPL 14-1"	16	20.6	14	20	S34	1"	27.8	37	—	
	SPL 16-03	11	22.6	16	19.7	S22	3/8	34.7	31.5	—	
	SPL 16-04	14.5	22.6	16	19.7	S22	1/2	34.7	35	90.5	
	SPL 16-06	14.5	22.6	16	19.7	S27	3/4	34.7	35	101	
	SPL 16-1"	16	22.6	16	19.7	S34	1"	34.7	37.5	—	

Model

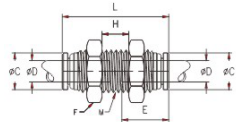
SPGJ	Model	L	E1	E2	ΦC1	ΦC2	D1	D2	g	Main Dimension
	SPGJ 06-04	34	16.4	14.7	11	9	06	04	16	
	SPGJ 08-06	35	16.8	16.4	13.7	11	08	06	21	
	SPGJ 10-08	36.5	18.4	16.8	15.5	13.7	10	08	26.5	
	SPGJ 12-08	37.5	19.2	16.8	18.7	13.7	12	08	37	
	SPGJ 12-10	39	19.2	18.4	18.7	15.5	12	10	37.5	
	SPGJ 14-10	38.5	20	18.4	20.6	15.5	14	10	40	
	SPGJ 14-12	39	20	19.2	20.6	18.7	14	12	42	
	SPGJ 16-10	40	19.7	18.4	22.6	15.5	16	10	44.5	
	SPGJ 16-12	40	19.7	19.2	22.6	18.7	16	12	—	
	SPGJ 16-14	40	19.7	20	22.6	20.6	16	14	54	

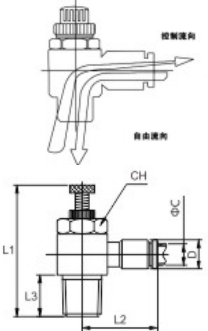
SM	Model	B	ΦD	F1	F2	R, N	L	Main Dimension
	SM 04-01	8	04	S12	S12	1/8	29.1	
	SM 04-02	11	04	S12	S14	1/4	32.1	
	SM 04-03	11	04	S12	S17	1/8	32.6	
	SM 06-04	14.5	06	S14	S22	1/2	38	
	SM 06-03	11	06	S14	S17	3/8	34	
	SM 06-02	11	06	S14	S14	1/4	33.6	
	SM 06-01	8	06	S14	S12	1/8	30.6	
	SM 08-04	14.5	08	S17	S22	1/2	39	
	SM 08-03	11	08	S17	S17	3/8	35	
	SM 08-02	11	08	S17	S14	1/4	34.5	
	SM 08-01	8	08	S17	S14	1/8	31.5	
	SM 10-04	14.5	10	S19	S22	1/2	40.2	
	SM 10-03	11	10	S19	S19	3/8	36.2	
	SM 10-02	11	10	S19	S19	1/4	36.2	
	SM 12-04	14.5	12	S19	S22	1/2	41.9	
	SM 12-03	11	12	S22	S19	3/8	38.4	
	SM 12-02	11	12	S22	S19	1/4	38.4	

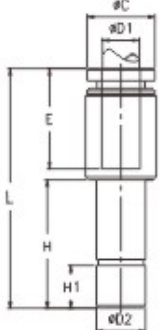
SMC	Model	B	ΦD	F1	F2	R, N	L	Main Dimension
	SMC 0403-01	8	04	S10	S12	1/8	22.5	
	SMC 0403-02	11	04	S10	S14	1/4	25.5	
	SMC 0604-01	8	06	S12	S12	1/8	26.5	
	SMC 0604-02	11	06	S12	S14	1/4	26.5	
	SMC 0604-03	11	06	S12	S17	3/8	30	
	SMC 0806-01	8	08	S14	S14	1/8	27.9	
	SMC 0806-02	11	08	S14	S14	1/4	30.9	
	SMC 0806-03	11	08	S14	S17	3/8	31.4	
	SMC 0806-04	14.5	08	S14	S22	1/2	35.5	
	SMC 1008-01	8	10	S17	S17	1/8	28.6	
	SMC 1008-02	11	10	S17	S17	1/4	31.6	
	SMC 1008-03	11	10	S17	S17	3/8	31.6	
	SMC 1008-04	14.5	10	S17	S22	1/2	35.6	
	SMC 1210-02	11	12	S19	S19	1/4	35	
	SMC 1210-03	11	12	S19	S19	3/8	35	
	SMC 1210-04	14.5	12	S19	S22	1/2	40	
	SMC 1210-06	14.5	12	S19	S27	3/4	40	
	SMC 1410-02	11	14	S22	S22	1/4	36.5	
	SMC 1410-03	11	14	S22	S22	3/8	36.5	
	SMC 1410-04	14.5	14	S22	S22	1/2	40	
	SMC 1410-06	14.5	14	S22	S27	3/4	40	
	SMC 1612-03	11	16	S22	S22	3/8	33.5	
	SMC 1612-04	14.5	16	S22	S22	1/2	37	
	SMC 1612-06	14.5	16	S22	S27	3/4	37	

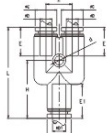
SPW	Model	ΦA	ΦF	C	L	E	2-ΦA1	2-ΦF1	C1	G	B	ΦO	ΦN	Main Dimension
	SPW06-04-A	Φ6	Φ11.8	16.5	41	29.3	Φ4	Φ8.8	14	15.5	14.9	Φ5.5	Φ3.2	
	SPW08-06-A	Φ8	Φ13.8	17	40.5	29.3	Φ6	Φ11.8	16.5	15.7	14.9	Φ5.5	Φ3.2	
	SPW10-08-A	Φ10	Φ16.5	19	48.6	41.1	Φ8	Φ13.8	17	18.6	21	Φ7	Φ4.2	
	SPW12-10-A	Φ12	Φ18.7	20	48.6	41.1	Φ10	Φ16.5	19	18.6	21	Φ7	Φ4.2	
	SPW16-12-A	Φ16	Φ23.8	22.5	57	51	Φ12	Φ18.7	20	20	26	Φ8	Φ4.2	

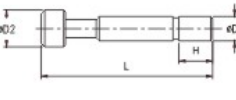
Model

SPM	Model	M	ΦC	ΦD	E	F	H	L	g	Main Dimension
	SPM 04	M11×1	06	04	14.7	S14	8	33	18	
	SPM 06	M13×1	11	06	16.4	S17	11	36	25.5	
	SPM 08	M15×1	13.7	08	16.8	S17	13	36	32.5	
	SPM 10	M17×1	15.5	10	18.4	S19	16	39	37	
	SPM 12	M20×1	18.7	12	19.2	S22	17	40	53.5	
	SPM 14	M22×1	20.6	14	20	S24	17	40	54.8	
	SPM 16	M24×1	22.6	16	19.7	S27	17	41	55.5	

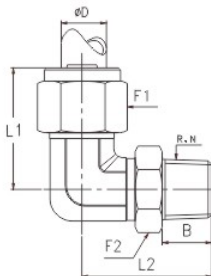
SSC	Model	ΦC	L1	L2	L3	D	CH	g	Main Dimension
	SSC04-01	04	39	28	7.5	10.5	12	31.5	
	SSC04-02	04	45	30	9.5	10.5	14	46.5	
	SSC06-01	06	39	28	7.5	12.5	12	29.5	
	SSC06-02	06	45	30	9.5	12.5	14	51	
	SSC08-01	08	36	30	7.5	14.5	12	35	
	SSC08-02	08	45	32	9.5	14.5	14	51	
	SSC08-03	08	56	33	10.5	14.5	19	100	
	SSC08-04	08	56	35	12.5	14.5	22	152	
	SSC10-02	10	45	34	9.5	17.5	14	68	
	SSC10-03	10	56	35	10.5	17.5	19	118	
	SSC10-04	10	56	37	12.5	17.5	22	160	
	SSC12-02	12	45	36	9.5	20.5	14	65	
	SSC12-03	12	56	38	10.5	20.5	19	108	
	SSC12-04	12	56	40	12.5	20.5	22	165	

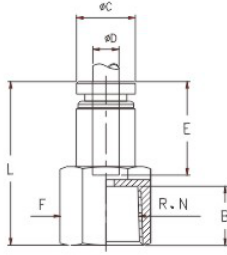
SPGR	型号	ΦC	D1	D1	E	L	H	H1	g	Main Dimension
	SPGR04-06	9	04	06	14.7	32.8	18	7	9	
	SPGR06-04	11	06	04	16.4	35.7	17.5	5.5		
	SPGR06-08	13.7	06	08	16.4	39.2	21	7		
	SPGR08-06	13.7	08	06	16.8	37.2	18	7		
	SPGR08-10	13.7	08	10	16.8	40.2	21	7		
	SPGR10-08	15.5	10	08	18.4	41.6	21	7		
	SPGR10-12	15.5	10	10	18.4	41.6	21	7		
	SPGR12-10	18.7	12	10	19.2	42	21	7		
	SPGR12-14	18.7	12	14	19.2	42	21	7		
	SPGR14-10	20.6	14	10	20	42.5	21	7		
	SPGR14-12	20.6	14	12	20	42.5	21	7		
	SPGR14-16	20.6	14	16	20	42.5	21	7		
	SPGR16-12	22.6	16	12	19.7	42.6	21	7		
	SPGR16-14	22.6	16	14	19.7	42.6	21	7		

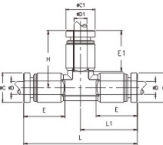
SPW	Model	ΦC1	ΦC	ΦD1	ΦD	d	H	E1	E	L	Z	g	Main Dimension
	SPW06-04	11	09	06	04	4.1	26.6	16.4	14.7	42	12	32.5	
	SPW08-06	13.7	11	08	06	4.1	26.4	16.8	16.4	42.2	14.6	40	
	SPW10-08	15.5	12.7	10	08	4.1	28.4	18.4	16.8	49	16.5	88.5	
	SPW12-10	18.7	15.5	12	10	4.1	29.2	19.2	18.4	54.4	19.7	100	
	SPW14-12	20.6	18.7	14	12	4.1	20	20	19.2	55	23.6	105	
	SPW16-14	22.6	20.6	16	14	4.1	19.7	19.7	20	54.8	23.6	166	

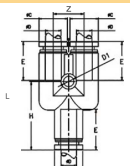
SPPS	Model	ΦD1	ΦD2	H	L	g	Main Dimension
	SPPS04	04	06	5.5	28	/	
	SPPS06	06	08	7	33	/	
	SPPS08	08	10	7	36	/	
	SPPS10	10	12	7	38	/	
	SPPS12	12	14	7	40	/	
	SPPS14	14	16	7	42	/	
	SPPS16	16	18	7	42	/	

Model

SPLC	Model	B	ΦD	F1	F	R, N	L1	L2	g	Main Dimension
	SPLC 04-01	8	04	S10	S12	1/8	20.7	23.3		
	SPLC 04-02	11	04	S10	S14	1/4	20.7	26.8		
	SPLC 06-01	8	06	S12	S12	1/8	26	23.2		
	SPLC 06-02	11	06	S12	S14	1/4	26	26.7		
	SPLC 06-03	11	06	S12	S17	3/8	26	27.2		
	SPLC 08-01	8	08	S14	S12	1/8	27.5	23.2		
	SPLC 08-02	11	08	S14	S14	1/4	27.5	26.7		
	SPLC 08-03	11	08	S14	S17	3/8	27.5	27.2		
	SPLC 10-01	8	10	S17	S17	1/8	27.8	24.8		
	SPLC 10-02	11	10	S17	S17	1/4	27.8	28.8		
	SPLC 10-03	11	10	S17	S17	3/8	27.8	28.8		
	SPLC 10-04	14.5	10	S17	S22	1/2	27.8	32.3		
	SPLC 12-02	11	12	S19	S17	1/4	30.9	30.8		
	SPLC 12-03	11	12	S19	S17	3/8	30.9	30.8		
	SPLC 12-04	14.5	12	S19	S22	1/2	30.9	34.2		
	SPLC 12-06	14.5	12	S19	S27	3/4	30.9	35.7		
	SPLC 14-02	11	14	S22	S19	1/4	32.3	32.1		
	SPLC 14-03	11	14	S22	S19	3/8	32.3	32.6		
	SPLC 14-04	14.5	14	S22	S22	1/2	32.3	36.1		
	SPLC 14-06	14.5	14	S22	S27	3/4	32.3	37.6		
	SPLC 16-03	11	16	S22	S19	3/8	32.1	32.6		
	SPLC 16-04	14.5	16	S22	S22	1/2	32.1	36.1		
	SPLC 16-06	14.5	16	S22	S27	3/4	32.1	37.6		

SPCF	Model	B	ΦC	ΦD	E	F	R, N	L	g	Main Dimension
	SPCF04-01	9	9	04	14.7	S12	1/8	26	17	
	SPCF04-02	12	9	04	14.7	S17	1/4	29	23	
	SPCF06-01	9	11	06	16.4	S12	1/8	27.5	19	
	SPCF06-02	12	11	06	16.4	S17	1/4	30.5	23.5	
	SPCF06-03	12	11	06	16.4	S19	3/8	30.5	28	
	SPCF06-04	15.5	11	06	16.4	S24	1/2	34.5	33	
	SPCF08-01	9	13.7	08	16.8	S14	1/8	27.8	23	
	SPCF08-02	12	13.7	08	16.8	S17	1/4	30.5	25	
	SPCF08-03	12	13.7	08	16.8	S19	3/8	30.5	28	
	SPCF08-04	15.5	13.7	08	16.8	S24	1/2	34.5	35	
	SPCF10-01	9	15.5	10	18.4	S17	1/8	29.2	38	
	SPCF10-02	12	15.5	10	18.4	S17	1/4	32	26	
	SPCF10-03	12	15.5	10	18.4	S19	3/8	32	28	
	SPCF10-04	15.5	15.5	10	18.4	S24	1/2	36	39.5	
	SPCF12-02	12	18.7	12	19.2	S19	1/8	32.5	35	
	SPCF12-03	12	18.7	12	19.2	S19	1/4	32.5	31	
	SPCF12-04	15.5	18.7	12	19.2	S24	3/8	36.4	42	
	SPCF14-02	12	20.6	14	20	S22	1/2	32	64	
	SPCF14-03	12	20.6	14	20	S22	1/4	32	60	
	SPCF14-04	15.5	20.6	14	20	S24	1/2	36	47	
	SPCF16-03	12	22.6	16	19.7	S22	3/8	33	65	
	SPCF16-04	15.5	22.6	16	19.7	S22	1/2	37	60	

SPEW	Model	ΦC	ΦC1	ΦD1	ΦD	E1	E	H	L1	L	g	Main Dimension
	SPEW06-04	09	11	06	04	16.4	14.7	20.9	17.5	34.8	23	
	SPEW08-06	11	13.7	08	06	16.8	16.4	22.1	20.9	41.8	40	
	SPEW10-08	13.7	15.5	10	08	18.4	16.8	24.7	22.1	44.2	48.5	
	SPEW12-10	15.5	18.7	12	10	19.2	18.4	27.4	24.7	49.4	80	
	SPEW14-12	18.7	20.6	14	12	20	19.2	27.5	27.4	54.8	85	
	SPEW16-14	20.6	22.6	16	14	19.7	20	35	27.5	55	132	

SPY	Model	ΦC	ΦD	ΦD1	H	E	L	Z	g	Main Dimension
	SPY04S1	09	04	2.65	21	14.7	32.5	112	18	
	SPY06S1	11	06	4.3	26.5	17.5	41	13.5	29.4	
	SPY08S1	13.7	08	4.3	27	16.8	43	19	39.8	
	SPY10S1	15.5	10	4.3	32	19.5	49	18.5	56	
	SPY12S1	18.7	12	4.3	34.5	21	51.5	21.2	74.8	
-S表示加密封剂										

Metal Locking Fittings

How to Order?

Series No.	Tube O.D.	—	Thread Size	Thread Code
EJSM-C	04: 4mm	M10: M10	01: 1/8 "	P : PT
EJSM-U	06: 6mm	M12: M12	02: 1/4 "	G : G
EJSM-FC	08: 8mm	M16: M16	03: 3/8 "	
...	10: 10mm		04: 1/2 "	
	12: 12mm			

Order Example: EJSM-C Series of metal locking female fittings with 4mm tube O.D. and PT1/8" tube caliber, ERP code: EJSM-C 04-01

Note: If both ends are inserted, the tube O.D. sizes are shown side by side, and only one is shown if the sizes are the same; e.g., EJSM-U metal-locking fittings with 4mm O.D. tubes.

Specifications

EJSM-C 	Model [D] X [D] X [T] Pipe (Metric) - Thread (R) <table><tr><td>EJSM-C 04- 01</td><td>EJSM-C 08- 03</td><td>EJSM-C 12- 02</td></tr><tr><td>EJSM-C 06- 01</td><td>EJSM-C 10- 01</td><td>EJSM-C 12- 03</td></tr><tr><td>EJSM-C 06- 02</td><td>EJSM-C 10- 02</td><td>EJSM-C 12- 04</td></tr><tr><td>EJSM-C 08- 01</td><td>EJSM-C 10- 03</td><td></td></tr><tr><td>EJSM-C 08- 02</td><td>EJSM-C 10- 04</td><td></td></tr></table>	EJSM-C 04- 01	EJSM-C 08- 03	EJSM-C 12- 02	EJSM-C 06- 01	EJSM-C 10- 01	EJSM-C 12- 03	EJSM-C 06- 02	EJSM-C 10- 02	EJSM-C 12- 04	EJSM-C 08- 01	EJSM-C 10- 03		EJSM-C 08- 02	EJSM-C 10- 04		EJSM-U 	Model [D] Pipe (Metric) <table><tr><td>EJSM-U 04</td><td>EJSM-U 10</td></tr><tr><td>EJSM-U 06</td><td>EJSM-U 12</td></tr><tr><td>EJSM-U 08</td><td></td></tr></table>	EJSM-U 04	EJSM-U 10	EJSM-U 06	EJSM-U 12	EJSM-U 08										
EJSM-C 04- 01	EJSM-C 08- 03	EJSM-C 12- 02																															
EJSM-C 06- 01	EJSM-C 10- 01	EJSM-C 12- 03																															
EJSM-C 06- 02	EJSM-C 10- 02	EJSM-C 12- 04																															
EJSM-C 08- 01	EJSM-C 10- 03																																
EJSM-C 08- 02	EJSM-C 10- 04																																
EJSM-U 04	EJSM-U 10																																
EJSM-U 06	EJSM-U 12																																
EJSM-U 08																																	
EJSM-FC 	Model [D-D-T] 管(公制)-螺纹(R) <table><tr><td>EJSM-FC 04-01</td><td>EJSM-FC 08-01</td><td>EJSM-FC 12-02</td></tr><tr><td>EJSM-FC 06-01</td><td>EJSM-FC 08-02</td><td>EJSM-FC 12-03</td></tr><tr><td>EJSM-FC 06-02</td><td>EJSM-FC 08-03</td><td>EJSM-FC 12-04</td></tr><tr><td></td><td>EJSM-FC 10-02</td><td></td></tr><tr><td></td><td>EJSM-FC 10-03</td><td></td></tr></table>	EJSM-FC 04-01	EJSM-FC 08-01	EJSM-FC 12-02	EJSM-FC 06-01	EJSM-FC 08-02	EJSM-FC 12-03	EJSM-FC 06-02	EJSM-FC 08-03	EJSM-FC 12-04		EJSM-FC 10-02			EJSM-FC 10-03		EJSM-V 	Model [D] 管(公制) <table><tr><td>EJSM-V 04</td><td>EJSM-V 10</td></tr><tr><td>EJSM-V 06</td><td>EJSM-V 12</td></tr><tr><td>EJSM-V 08</td><td></td></tr></table>	EJSM-V 04	EJSM-V 10	EJSM-V 06	EJSM-V 12	EJSM-V 08										
EJSM-FC 04-01	EJSM-FC 08-01	EJSM-FC 12-02																															
EJSM-FC 06-01	EJSM-FC 08-02	EJSM-FC 12-03																															
EJSM-FC 06-02	EJSM-FC 08-03	EJSM-FC 12-04																															
	EJSM-FC 10-02																																
	EJSM-FC 10-03																																
EJSM-V 04	EJSM-V 10																																
EJSM-V 06	EJSM-V 12																																
EJSM-V 08																																	
EJSM-L 	Model [D-D-T] Pipe (Metric) - Threaded (R) <table><tr><td>EJSM-L 06- 01</td><td>EJSM-L 08- 02</td><td>EJSM-L 10- 04</td></tr><tr><td>EJSM-L 06- 02</td><td>EJSM-L 08- 03</td><td>EJSM-L 12- 02</td></tr><tr><td>EJSM-L 08- 01</td><td>EJSM-L 10- 01</td><td>EJSM-L 12- 03</td></tr><tr><td></td><td>EJSM-L 10- 02</td><td>EJSM-L 12- 04</td></tr><tr><td></td><td>EJSM-L 10- 03</td><td></td></tr></table>	EJSM-L 06- 01	EJSM-L 08- 02	EJSM-L 10- 04	EJSM-L 06- 02	EJSM-L 08- 03	EJSM-L 12- 02	EJSM-L 08- 01	EJSM-L 10- 01	EJSM-L 12- 03		EJSM-L 10- 02	EJSM-L 12- 04		EJSM-L 10- 03		EJSM-T 	Model [D] Pipe (Metric) <table><tr><td>EJSM-T 04</td><td>EJSM-T 10</td></tr><tr><td>EJSM-T 06</td><td>EJSM-T 12</td></tr><tr><td>EJSM-T 08</td><td></td></tr></table>	EJSM-T 04	EJSM-T 10	EJSM-T 06	EJSM-T 12	EJSM-T 08										
EJSM-L 06- 01	EJSM-L 08- 02	EJSM-L 10- 04																															
EJSM-L 06- 02	EJSM-L 08- 03	EJSM-L 12- 02																															
EJSM-L 08- 01	EJSM-L 10- 01	EJSM-L 12- 03																															
	EJSM-L 10- 02	EJSM-L 12- 04																															
	EJSM-L 10- 03																																
EJSM-T 04	EJSM-T 10																																
EJSM-T 06	EJSM-T 12																																
EJSM-T 08																																	
EJSM-FL 	Model [D-D-T] Pipe (Metric) - Threaded (R) <table><tr><td>EJSM-FL 06- 01</td><td>EJSM-FL 08- 02</td><td>EJSM-FL 10- 04</td></tr><tr><td>EJSM-FL 06- 02</td><td>EJSM-FL 08- 03</td><td>EJSM-FL 12- 02</td></tr><tr><td>EJSM-FL 08- 01</td><td>EJSM-FL 10- 01</td><td>EJSM-FL 12- 03</td></tr><tr><td></td><td>EJSM-FL 10- 02</td><td>EJSM-FL 12- 04</td></tr><tr><td></td><td>EJSM-FL 10- 03</td><td></td></tr></table>	EJSM-FL 06- 01	EJSM-FL 08- 02	EJSM-FL 10- 04	EJSM-FL 06- 02	EJSM-FL 08- 03	EJSM-FL 12- 02	EJSM-FL 08- 01	EJSM-FL 10- 01	EJSM-FL 12- 03		EJSM-FL 10- 02	EJSM-FL 12- 04		EJSM-FL 10- 03		EJSM-3Y 	Model [D] Pipe (Metric) - Threaded® <table><tr><td>EJSM-3Y 06- 01</td><td>EJSM-3Y 08- 02</td><td>EJSM-3Y 10- 04</td></tr><tr><td>EJSM-3Y 06- 02</td><td>EJSM-3Y 08- 03</td><td>EJSM-3Y 12- 02</td></tr><tr><td>EJSM-3Y 08- 01</td><td>EJSM-3Y 10- 01</td><td>EJSM-3Y 12- 03</td></tr><tr><td></td><td>EJSM-3Y 10- 02</td><td>EJSM-3Y 12- 04</td></tr><tr><td></td><td>EJSM-3Y 10- 03</td><td></td></tr></table>	EJSM-3Y 06- 01	EJSM-3Y 08- 02	EJSM-3Y 10- 04	EJSM-3Y 06- 02	EJSM-3Y 08- 03	EJSM-3Y 12- 02	EJSM-3Y 08- 01	EJSM-3Y 10- 01	EJSM-3Y 12- 03		EJSM-3Y 10- 02	EJSM-3Y 12- 04		EJSM-3Y 10- 03	
EJSM-FL 06- 01	EJSM-FL 08- 02	EJSM-FL 10- 04																															
EJSM-FL 06- 02	EJSM-FL 08- 03	EJSM-FL 12- 02																															
EJSM-FL 08- 01	EJSM-FL 10- 01	EJSM-FL 12- 03																															
	EJSM-FL 10- 02	EJSM-FL 12- 04																															
	EJSM-FL 10- 03																																
EJSM-3Y 06- 01	EJSM-3Y 08- 02	EJSM-3Y 10- 04																															
EJSM-3Y 06- 02	EJSM-3Y 08- 03	EJSM-3Y 12- 02																															
EJSM-3Y 08- 01	EJSM-3Y 10- 01	EJSM-3Y 12- 03																															
	EJSM-3Y 10- 02	EJSM-3Y 12- 04																															
	EJSM-3Y 10- 03																																
EJSM-3T 	Model [D-D-T] Pipe (Metric) - Threaded (R) <table><tr><td>EJSM-3T 06- 01</td><td>EJSM-3T 08- 03</td><td>EJSM-3T 10- 04</td></tr><tr><td>EJSM-3T 06- 02</td><td>EJSM-3T 10- 01</td><td>EJSM-3T 12- 02</td></tr><tr><td>EJSM-3T 08- 01</td><td>EJSM-3T 10- 02</td><td>EJSM-3T 12- 03</td></tr><tr><td>EJSM-3T 08- 02</td><td>EJSM-3T 10- 03</td><td>EJSM-3T 12- 04</td></tr></table>	EJSM-3T 06- 01	EJSM-3T 08- 03	EJSM-3T 10- 04	EJSM-3T 06- 02	EJSM-3T 10- 01	EJSM-3T 12- 02	EJSM-3T 08- 01	EJSM-3T 10- 02	EJSM-3T 12- 03	EJSM-3T 08- 02	EJSM-3T 10- 03	EJSM-3T 12- 04	EJSM-JZC 	Model [D] Pipe (Metric) <table><tr><td>EJSM-JZC 04</td><td>EJSM-JZC 10</td></tr><tr><td>EJSM-JZC 06</td><td>EJSM-JZC 12</td></tr><tr><td>EJSM-JZC 08</td><td></td></tr></table>	EJSM-JZC 04	EJSM-JZC 10	EJSM-JZC 06	EJSM-JZC 12	EJSM-JZC 08													
EJSM-3T 06- 01	EJSM-3T 08- 03	EJSM-3T 10- 04																															
EJSM-3T 06- 02	EJSM-3T 10- 01	EJSM-3T 12- 02																															
EJSM-3T 08- 01	EJSM-3T 10- 02	EJSM-3T 12- 03																															
EJSM-3T 08- 02	EJSM-3T 10- 03	EJSM-3T 12- 04																															
EJSM-JZC 04	EJSM-JZC 10																																
EJSM-JZC 06	EJSM-JZC 12																																
EJSM-JZC 08																																	

Muffler

How to Order?

Series No.	—	Thread Size	Thread Type
A	M5: M5		P: PT
AS	10-32UNF	20: 3/4 "	G: G
AAS	06: 1/8 "	25: 1 "	T: NPT
AB	08: 1/4 "	32: 1-1/4 "	
...	10: 3/8 "	40: 1-1/2 "	
	15: 1/2 "	50: 2 "	

Order Example: AS Series Muffler, G1/8" Port size, ERP code: AS-06G

Muffler

A Type Muffler 	<table><tr><th>Model</th><th>Thread size</th><th>Hex.</th></tr><tr><td>A-M5</td><td>M5</td><td>9</td></tr><tr><td>A-06</td><td>1/8"</td><td>13</td></tr><tr><td>A-08</td><td>1/4"</td><td>17</td></tr><tr><td>A-10</td><td>3/8"</td><td>22</td></tr><tr><td>A-15</td><td>1/2"</td><td>24</td></tr><tr><td>A-20</td><td>3/4"</td><td>30</td></tr><tr><td>A-25</td><td>1"</td><td>36</td></tr><tr><td>A-32</td><td>1 1/4"</td><td>46</td></tr><tr><td>A-40</td><td>1 1/2"</td><td>52</td></tr><tr><td>A-50</td><td>2"</td><td>64</td></tr></table>	Model	Thread size	Hex.	A-M5	M5	9	A-06	1/8"	13	A-08	1/4"	17	A-10	3/8"	22	A-15	1/2"	24	A-20	3/4"	30	A-25	1"	36	A-32	1 1/4"	46	A-40	1 1/2"	52	A-50	2"	64	SET Type Muffler 	<table><tr><th>Model</th><th>Thread size</th><th>Hex.</th></tr><tr><td>SET-06</td><td>1/8"</td><td>8</td></tr><tr><td>SET-08</td><td>1/4"</td><td>10</td></tr><tr><td>SET-10</td><td>3/8"</td><td>13</td></tr><tr><td>SET-15</td><td>1/2"</td><td>15</td></tr><tr><td>SET-20</td><td>3/4"</td><td>19</td></tr><tr><td>SET-25</td><td>1"</td><td>24</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>	Model	Thread size	Hex.	SET-06	1/8"	8	SET-08	1/4"	10	SET-10	3/8"	13	SET-15	1/2"	15	SET-20	3/4"	19	SET-25	1"	24										V Type Muffler 	<table><tr><th>Model</th><th>Thread size</th><th>Hex.</th></tr><tr><td>V-M5</td><td>M5</td><td>8</td></tr><tr><td>V-06</td><td>1/8"</td><td>12</td></tr><tr><td>V-08</td><td>1/4"</td><td>15</td></tr><tr><td>V-10</td><td>3/8"</td><td>19</td></tr><tr><td>V-15</td><td>1/2"</td><td>22</td></tr><tr><td>V-20</td><td>3/4"</td><td>30</td></tr><tr><td>V-25</td><td>1"</td><td>36</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>	Model	Thread size	Hex.	V-M5	M5	8	V-06	1/8"	12	V-08	1/4"	15	V-10	3/8"	19	V-15	1/2"	22	V-20	3/4"	30	V-25	1"	36												
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Plastic Muffler (G thread only)



Model	Thread size	S
SU-06	G1/8	16
SU-08	G1/4	20
SU-10	G3/8	24
SU-15	G1/2	24
SU-20	G3/4	48
SU-25	G1	48



Model	Thread size	S
PSU-M5	M5	7
PSU-06	G1/8	13
PSU-08	G1/4	17
PSU-10	G3/8	25
PSU-15	G1/2	25
PSU-20	G3/4	37
PSU-25	G1	48



Model	Thread size	S
PSE-M5	M5	7
PSE-06	G1/8	13
PSE-08	G1/4	17
PSE-10	G3/8	25
PSE-15	G1/2	25
PSE-20	G3/4	37
PSE-25	G1	48



Model	Thread size	L
EXAN-C06	6	46.5
EXAN-C08	8	46
EXAN-C10	10	56.5
EXAN-C12	12	83

Mufflers with Throttle Valve



Model	Thread size	Hex.
SD-06	1/8"	12
SD-08	1/4"	15
SD-10	3/8"	19
SD-15	1/2"	22
SD-20	3/4"	27
SD-25	1"	34



Model	Thread size	Hex.
SB-06	1/8"	12
SB-08	1/4"	14
SB-10	3/8"	17
SB-15	1/2"	24
SB-20	3/4"	27
SB-25	1"	34



Model	Thread size	Hex.
SK-06	1/8"	13
SK-08	1/4"	14
SK-10	3/8"	17
SK-15	1/2"	22
SK-20	3/4"	27
SK-25	1"	34



Model	Thread size	Hex.
SPK-06	1/8"	10
SPK-08	1/4"	14
SPK-10	3/8"	17
SPK-15	1/2"	24
SPK-20	3/4"	30
SPK-25	1"	36

Metric Tubing-Plug



Model	D	B	C	P1	P2	Main Dimension
EPP04	4	28	15	5	3	
EPP06	6	31.8	17	7	4.3	
EPP08	8	35.7	18	8.9	3.9	
EPP10	10	42	20	11	5	
EPP12	12	44	23	13	6	
EPP14	14	46.6	24.5	13.5	6.6	
EPP16	16	45.7	24.5	15.4	8.7	

Inch Tubing-Plug



Model	D(Inch)	B	C	P1	P2	Main Dimension
EPP1/8	1/8	30.5	15.5	4.1	2.6	
EPP5/32	5/32	28	15	5	3	
EPP1/4	1/4	32.9	15.6	7	2.8	
EPP5/16	5/16	35.9	18	8.9	3.8	
EPP3/8	3/8	41.5	20.5	10.6	4.7	
EPP1/2	1/2	43.3	22.5	12.6	5.7	

Air Tube

How to Order?(Metric size)

Series Code	O.D.	X	I.D.	Number of Tubes	Length	Color Code	Identification Code
PU: Polyurethane tube	040: 4.0mm		025: 2.5mm				
PA: Nylon tube	060: 6.0mm		040: 4.0mm	2:2 tube		Bu: Blue	
PE: Polyethylene pipe	080: 8.0mm		050: 5.0mm	3:3 Tubes		B: Black	
PFR: Flame retardant tube (double layer)	090: 9.0mm		060: 6.0mm	(Only PTFU tubes have this option)		C: Transparent	
PSMS: Super soft polyether tube	100: 10.0mm		065: 6.5mm			O: Orange	
PTFU: Polyurethane row pipe	110: 11.0mm		075: 7.5mm			R: Red	
PTQ: Soft fluororesin Tube (double layer)	120: 12.0mm		080: 8.0mm			W: White	
PTL: Polytetrafluoroethylene tube (PTFE)	160: 16.0mm		090: 9.0mm				
PTLM: Soluble polytetrafluoroethylene Pipe (PFA)	190: 19.0mm		100: 10.0mm		100M: 100M/ roll		Blank: Standard
PTH: Polyperfluorinated ethylene propylene tube (FEP)			110: 11.0mm		200M: 200M/ roll		A: High quality
PTPH: Rigid polyolefin tube (TPH)			120: 12.0mm				(*PTL/PTLM/PTH
PTPS: Soft polyolefin tube			130: 13.0mm				When used in the
PUA: Spray tube (polyurethane +PA11)			160: 16.0mm				semiconductor
PUU: Polyester tube of high temperature and high pressure type							industry.
PY: Corrosion-resistant hose (vinyl synthetic resin)							High quality
							specifications
							to be selected).

Series Code	Optional Pipe Piameter and Length														
	040X025	060X040	080X050	080X060	090X060	100X065	100X075	110X080	120X080	120X090	120X100	160X110	160X120	160X130	190X160
PU:Polyurethane tube	⊙200M	⊙200M	⊙100M			⊙100M			⊙100M				⊙100M		
PA:Nylon tube	⊙100M	⊙100M		⊙100M		⊙100M				⊙100M		⊙100M			
PE:Polyethylene pipe		⊙200M	⊙100M			⊙100M			⊙100M						
PFR:Flame retardant tube (double layer)		⊙100M	⊙100M			⊙100M			⊙100M						
PSMS:super soft polyether tube		⊙200M	⊙100M			⊙100M									
PTFU:Polyurethane row pipe	⊙200M	⊙200M	⊙100M												
PTQ:Soft fluororesin Tube (double layer)	⊙100M	⊙100M		⊙100M		⊙100M			⊙100M						
PTL:Polytetrafluoroethylene tube (PTFE)	⊙100M	⊙100M		⊙100M		⊙100M			⊙100M					⊙100M	⊙100M
PTLM:Soluble polytetrafluoroethylene Pipe (PFA)	⊙100M	⊙100M		⊙100M		⊙100M			⊙100M					⊙100M	⊙100M
PTH:Polyperfluorinated ethylene propylene tube (FEP)	⊙100M	⊙100M		⊙100M		⊙100M			⊙100M					⊙100M	⊙100M
PTPH:Rigid polyolefin tube (TPH)	⊙200M	⊙200M	⊙100M	⊙100M		⊙100M			⊙100M	⊙100M					
PTPS:soft polyolefin tube	⊙200M	⊙200M	⊙100M	⊙100M		⊙100M			⊙100M	⊙100M					
PUA:Spray tube (polyurethane +PA11)		⊙100M	⊙100M		⊙100M	⊙100M		⊙100M	⊙100M			⊙100M			
PUU:Polyester tube of high temperature and high pressure type	⊙200M	⊙200M	⊙100M			⊙100M			⊙100M				⊙100M		
PY:Corrosion-resistant hose (vinyl synthetic resin)	⊙200M	⊙200M	⊙100M			⊙100M			⊙100M				⊙100M		

If you need other specifications,please consult sales

Series Code	Optional Color					
	Bu:Blue	B:Black	C:Transparent	O:Orange	R:Red	W:White
PU:Polyurethane tube	⊙	⊙	⊙	⊙		
PA:Nylon tube	⊙	⊙	⊙			⊙
PE:Polyethylene pipe		⊙	⊙			⊙
PFR:Flame retardant tube (double layer)	⊙	⊙			⊙	
PSMS:Super soft polyether tube			⊙			
PTFU:Polyurethane row pipe			⊙			
PTQ:Soft fluororesin Tube (double layer)			⊙			
PTL:Polytetrafluoroethylene tube (PTFE)						⊙
PTLM:Soluble polytetrafluoroethylene Pipe (PFA)			⊙			
PTH:Polyperfluorinated ethylene propylene tube (FEP)			⊙			
PTPH:Rigid polyolefin tube (TPH)			⊙			
PTPS:Soft polyolefin tube			⊙			
PUA:Spray tube (polyurethane +PA11)			⊙			
PUU:Polyester tube of high temperature and high pressure type	⊙	⊙			⊙	
PY:Corrosion-resistant hose (vinyl synthetic resin)			⊙			

If you need other specifications,please consult sales

How to Order? (Inch size)

Series Code	O.D.(inch)	X I.D	Length	Color Code	Identification Code
PU: Polyurethane tube PA: Nylon tube PE: Polyethylene pipe PTL: Polytetrafluoroethylene tube (PTFE) PTLM: Soluble polytetrafluoroethylene Pipe (PFA) PTH: Polyperfluorinated ethylene propylene tube (FEP)	1/8" 1/4" 5/16" 3/8" 1/2" 3/4" 5/32" 3/16" 5/8"	Default	100M: 100M/ roll 200M: 200M/ roll	Bu: Blue B: Black C: Transparent O: Orange R: Red W: White	Blank: Standard A: High quality (*PTL/PTLM/PTH When used in the semiconductor industry. High quality specifications to be selected).

Series Code	Optional Pipe Piameter and Length								
	1/8"	1/4"	5/16"	3/8"	1/2"	3/4"	5/32"	3/16"	5/8"
PU:Polyurethane tube	100M 200M	100M 200M	100M	100M	100M	100M	100M		
PA:Nylon tube	100M 200M	100M 200M	100M	100M	100M	100M	100M	100M	100M
PE: Polyethylene pipe	100M 200M	100M 200M	100M	100M	100M	100M	100M		
PTL:Polytetrafluoroethylene tube (PTFE)		100M							
PTLM:Soluble polytetrafluoroethylene Pipe (PFA)				100M					
PTH:Polyperfluorinated ethylene propylene tube (FEP)						100M			

If you need other specifications,please consult sales

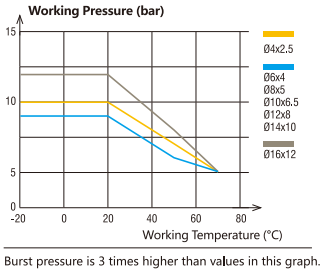
Series Code	Optional Color					
	Bu:Blue	B:Black	C:Clear Color	O: Orange	R:Red	W:White
PU:Polyurethane tube	○	○	○	○	○	
PA:Nylon tube	○	○	○	○	○	○
PE: Polyethylene pipe	○	○	○	○	○	○
PTL:Polytetrafluoroethylene tube (PTFE)						○
PTLM:Soluble polytetrafluoroethylene Pipe (PFA)			○			
PTH:Polyperfluorinated ethylene propylene tube (FEP)			○			

If you need other specifications,please consult sales

PU Polyester Tube/PU Cutter



PU Tube Performance



Specifications(Metric size)

Part No.	O.D (mm)	I.D (mm)	Length (m/roll)	Operating Pressure (kgf/cm ²) (air)	Max. Pressure (kgf/cm ²)	Working Temperature	Bending Radius (mm)	Available Colour	Fluid Pressure
PU030X020	3.0	2.0	200	10	32	-20℃~70℃	10	BLUE/ BLACK/ TRANSPARENT/ ORANGE/ RED	0.1~0.8 MPa
PU040X020	4.0	2.0	200	10	32	-20℃~70℃	10		0.1~0.8 MPa
PU040X025	4.0	2.5	200	10	32	-20℃~70℃	10		0.1~0.8 MPa
PU050X030	5.0	3.0	200	10	32	-20℃~70℃	8		0.1~0.8 MPa
PU060X040	6.0	4.0	200	8	24	-20℃~70℃	15		0.1~0.8 MPa
PU080X050	8.0	5.0	100	10	32	-20℃~70℃	20		0.1~0.8 MPa
PU080X055	8.0	5.5	100	8	24	-20℃~70℃	20		0.1~0.8 MPa
PU080X060	8.0	6.0	100	8	24	-20℃~70℃	20		0.1~0.8 MPa
PU100X060	10.0	6.0	100	8	24	-20℃~70℃	25		0.1~0.8 MPa
PU100X065	10.0	6.5	100	8	24	-20℃~70℃	25		0.1~0.8 MPa
PU100X075	10.0	7.5	100	8	24	-20℃~70℃	25		0.1~0.8 MPa
PU120X080	12.0	8.0	100	8	24	-20℃~70℃	35		0.1~0.8 MPa
PU140X100	14.0	10.0	100	8	24	-20℃~70℃	45		0.1~0.8 MPa
PU160X120	16.0	12.0	100	8	24	-20℃~70℃	70		0.1~0.8 MPa

Note: Please check with E.MC for color available and MOQ.

Specifications (Inch size)

Part No.	O.D (inch)	Length (m/roll)	Operating Pressure (kgf/cm ²) (air)	Max. Pressure (kgf/cm ²)	Working Temperature	Bending Radius (mm)	Available Colour	Fluid Pressure
PU1/8	1/8"	200	10	32	-20℃~70℃	10	BLUE/ BLACK/ TRANSPARENT/ ORANGE/ RED	0.1~0.8 MPa
PU5/32	5/32"	200	10	32	-20℃~70℃	10		0.1~0.8 MPa
PU1/4	1/4"	200	8	24	-20℃~70℃	15		0.1~0.8 MPa
PU5/16	5/16"	100	10	32	-20℃~70℃	20		0.1~0.8 MPa
PU3/8	3/8"	100	8	24	-20℃~70℃	25		0.1~0.8 MPa
PU1/2	1/2"	100	8	24	-20℃~70℃	35		0.1~0.8 MPa

Note: Please check with EMC for color available and MOQ.

PU cutter



Model:ECP-01

Product Features

- V-shaped positioning cut more accurately, smooth cutting surface is not easy to leakage.
- Selected high-quality materials, high pressure resistance, not easy to rust.
- Low pressure, easy to rotate.
- Compact and durable, more cost-effective.
- Suitable for 4-16mm PU pipe.
- Color: Blue

How to Order?

Series	color
ECP: PU cutter	01: blue

PA Nylon tube/PE Polyethylene pipe



- 良好的耐磨损性;
- 表面光滑,减小流体阻力,有效防止生锈和结垢淤积;
- 柔软易弯曲,便于安装&加工;
- 尺寸稳定性高,渗透率小,在复杂环境下依然保持稳定的尺寸和性能;
- 耐化学腐蚀,适用于多种应用场景;
- 电阻大,使用寿命长,耐温性好。

PartNo.		O.D (mm)	I.D (mm)	Length (m/roll)	Operating Pressure (kgf/cm)(air)	Max. Pressure (kgf/cm)	Working Temperature	Bending Radius(mm)	Available Colour	Fluid Pressure	
PA tube	PA 11-6 Tube	PA040X020	4.0	2.0	200	45	135	-30℃-100℃	30	BLUE/ BLACK/ TRANSPARENT/ ORANGE/ RED	4.5MPa
		PA050X030	5.0	3.0	200	45	135	-30℃-100℃	30		4.5MPa
		PA060X040	6.0	4.0	200	27	81	-30℃-100℃	40		3.2MPa
		PA080X060	8.0	6.0	100	19	57	-30℃-100℃	50		2.6MPa
		PA100X070	10.0	7.0	100	15	45	-30℃-100℃	60		2.8MPa
		PA100X075	10.0	7.5	100	15	45	-30℃-100℃	60		2.8MPa
		PA100X080	10.0	8.0	100	15	45	-30℃-100℃	65		2.7MPa
		PA120X080	12.0	8.0	100	19	57	-30℃-100℃	70		3.2MPa
		PA120X090	12.0	9.0	100	19	57	-30℃-100℃	70		3.2MPa
		PA120X100	12.0	10.0	100	19	57	-30℃-100℃	70		2.4MPa
		PA140X100	14.0	10.0	100	19	57	-30℃-100℃	100		2.4MPa
		PA140X110	14.0	11.0	100	19	57	-30℃-100℃	100		2.8MPa
		PA150X120	15.0	12.0	100	19	57	-30℃-100℃	100		2.8MPa
	PA160X120	16.0	12.0	100	19	57	-30℃-100℃	130	2.8MPa		
	PA160X130	16.0	13.0	100	19	57	-30℃-100℃	130	2.8MPa		
	PA12 Tube	PA040X020	4.0	2.0	200	45	135	-40℃-120℃	30		3.4MPa
		PA050X030	5.0	3.0	200	45	135	-40℃-120℃	30		3.4MPa
		PA060X040	6.0	4.0	200	27	81	-40℃-120℃	40		2.8MPa
		PA080X060	8.0	6.0	100	19	57	-40℃-120℃	50		2.6MPa
		PA100X070	10.0	7.0	100	15	45	-40℃-120℃	60		2.6MPa
		PA100X075	10.0	7.5	100	15	45	-40℃-120℃	60		2.6MPa
		PA100X080	10.0	8.0	100	15	45	-40℃-120℃	65		2.0MPa
		PA120X080	12.0	8.0	100	19	57	-40℃-120℃	70		2.6MPa
		PA120X090	12.0	9.0	100	19	57	-40℃-120℃	70		2.6MPa
		PA120X100	12.0	10.0	100	19	57	-40℃-120℃	70		2.6MPa
		PA140X100	14.0	10.0	100	19	57	-40℃-120℃	100		2.2MPa
		PA140X110	14.0	11.0	100	19	57	-40℃-120℃	100		2.0MPa
		PA150X120	15.0	12.0	100	19	57	-40℃-120℃	100		2.0MPa
		PA160X120	16.0	12.0	100	19	57	-40℃-120℃	130		2.0MPa
		PA160X130	16.0	13.0	100	19	57	-40℃-120℃	130		2.0MPa

PE Polyethylene Pipe

- 优良的耐腐蚀性,替代传统金属管材的理想选择;
- 聚乙烯为无惰性材料,适合于输送饮用水等需要高度卫生标准的流体;
- 耐磨性能强,使用寿命长,更换&维护成本低;
- 良好的柔韧性和抗冲击性,适应各种工作环境和抵抗外部冲击;
- 耐寒性和耐老化,满足极端气候条件下保持稳定的性能标准;

Model Number	Dimensions			Working Pressure	Break Pressure	Bending Radius
	Inside Diameter	Outside Diameter	Length			
	mm	mm	m	kgf/cm ²	kgf/cm ²	mm
PE060X040	4	6	200	8	20	20
PE080X050	5	8	100	10	25	35
PE100X075	7.5	10	100	7	18	50
PE120X080	8	12	100	10	24	60

PFR

Flame Retardant Tube (Double Layer)



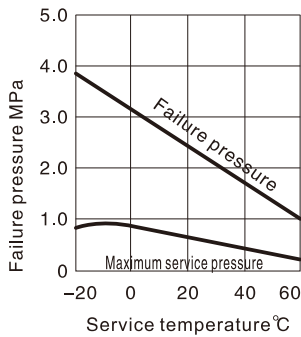
Product Features

- Inner high resilience PU tube, outer flame retardant layer refractory resin, effectively achieve flame retardant.
- Fire retardant flower, anti-splash effect, flame retardant effect equivalent to UL94-V0 level.
- Product usage: Determine the mounting length from the mounting to the quick-plug connector. Peel off only the outer layer with a peel tool. Install the inner pipe to the quick plug connector.
- Suitable for automobile welding fixture, robot welding and other flame-proof spray field.

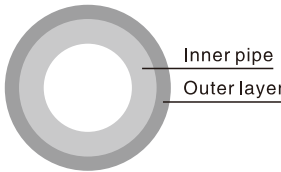
Specifications

Model Number	PFR040X025	PFR060X040	PFR080X050	PFR100X065	PFR120X080	PFR140X100	PFR160X120
Use fluid	Air and water						
Maximum working pressure (at 20℃)	1.0MPa						
Ambient humidity and operating fluid temperature	-20℃+60℃ water occasions 0~40℃ (when frozen)						
Material	Inner tube	Polyurethane					
	Outer tube	Refractory resin equivalent to UL94-V0 level					

Failure Pressure Characteristic Curve and Service Pressure



Section Diagram





PSMS

Super Soft Polyether Tube



Product Features

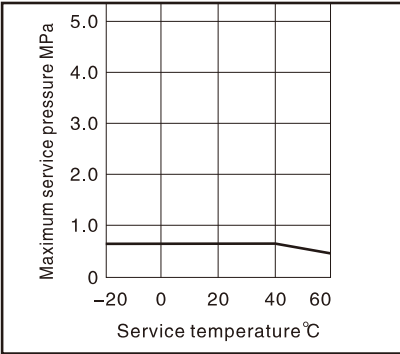
- Suitable for equipment with small installation radius, such as mechanical arm, robot, tank chain and other round-trip action.
- With very good resistance to extreme cold weather performance.

Specifications

Model Number		PSMS060X040	PSMS080X050	PSMS100X065
Size	O.DxI.D(mm)	6X4	8X5	10X6.5
	Package Length (m)	200	100	100
Allowed fluid		Air, water, weak acids, bases		
Maximum working pressure range		87psi(0.6MPa)(65%RH at 20 ° C)		
Operating temperature range		-40℃ to 60℃(-40-140° F)(no freezing)		
Inserting and pulling force (N)	Unlined sleeve	60	60	85
	With memory sleeve	230	250	300
Minimum bending radius (mm)		15	20	22
Minimum mounting radius(mm)		21	26	28

Note: The maximum pressure range is 20° C. 65%. When used at other temperature conditions, please judge the safe enough value according to the corresponding burst pressure curve.
When the tube is applied to the moving end of vibration and bending, the tube may rupture due to the temperature rise caused by automatic heating generated by molecular heat.

Maximum Service Pressure



PTFU

Polyurethane Pipe



Product Features

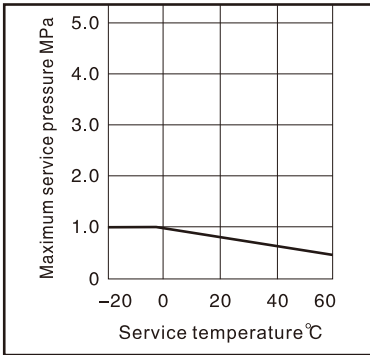
- This flexible multi-core tube is a polyurethane tube.
- The multi-row pipe is suitable for providing air supply for double and multi-action equipment.
- The pipe can be customized according to the requirements of multi-row multi-color side by side, used to distinguish the inlet loop.

Specifications

Model Number		PTFU040X025	PTFU060X040	PTFU080X050
Size	O.DxI.D(mm)	4X2.5	6X4	8X5.5
	Package Length (m)	200/100	200/100	100/50
Allowed fluid		Air, water, weak acids, bases		
Maximum working pressure range		116psi(0.8MPa)(65%RH at 20 °C)		
Working vacuum		-29.5in.Hg(-100kPa)		
Operating temperature range		-40℃-60℃(-40-140° F)(no freezing)		
Minimum bending radius (mm)		10	15	20
Minimum mounting radius(mm)		15	21	26

Note: The maximum pressure range is 20° C, the value under 65% conditions, when used in other temperature conditions, please judge the safe enough value from the line according to the corresponding burst pressure.
When the pipe is applied to the moving end of vibration and bending, it may be due to the rise in selectivity caused by automatic heating generated by molecular heat that causes the pipe to break.

Maximum Service Pressure



PTQ

PTFE Pipe



Product Features

- Materials: Inner layer: special fluorine resin, outer layer special nylon
- Resin fluid: air, water, inert gas, solvent, paint
- Fluid temperature: -20° C ~+100° C
- High temperature resistance, corrosion resistance, chemical solvent resistance
- Application in spraying industry

Specifications

Model Number	PTQ040x025	PTQ060x040	PTQ0800x060	PTQ100x075	PTQ1200x090
Use fluid	Air, water, inert gases, solvents, paint				
Maximum service pressure	Refer to table below				
Minimum bending radius	4mm	9mm	26mm	40mm	37mm
Service temperature	-20℃~+100℃				

Applicable Fluid Table

The liquid in the table is the chemical liquid of insensitive pipe material * Note 1), but due to the temperature, pressure and concentration of the liquid resulting in penetration and expansion, there are still occasions that cause problems.
When the tube is used in the environment of liquid medicine, please conduct adequate test in the same environment. Make sure it is used in the conditions and without any problems before it is put into actual use.

Drug name	Hydrochloric acid	Sulfuric acid	Nitric acid	Caustic soda	Caustic potash	Chlorine water	Hydrogen peroxide	Water	Phenol	Benzene	Toluene
Inner layer (special fluorine resin)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Outer layer (special nylon resin)	○	○	X	○	○	✓	○	✓	X	○	○
Drug name	Xylene	Carbon tetrachloride	Acetone	Butanone	Citric acid	Stearic acid	Formic acid	Ethyl acetate	Butyl acetate	Methanol	Ethanol
Inner layer (special fluorine resin)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Outer layer (special nylon resin)	○	X	○	○	○	○	○	✓	○	✓	✓
Drug name	Butanol	Isopropyl alcohol	Fibrinolytic agent	Hexane	Cyclohexane	Mineral oil ASTMNo.3	Naphtha				
Inner layer (special fluorine resin)	✓	✓	○	✓	✓	✓	✓				
Outer layer (special nylon resin)	✓	✓	○	○	○	✓	✓				

Note 1) Chemical insensitivity means that no obvious chemical reaction takes place.
Note 2) Base of judgment, V can be used :0 measure better do not use; x can not be used.
Note 3) The "Applicable fluid table" is a reference value obtained by testing under certain conditions and is not a value that is guaranteed to be used.
Note 4) The "Applicable fluid table" is for the material of the pipe. Please consult separately for use in environments such as solvents.

Maximum service pressure

Unite: MPa					
Temperature(℃)	PTQ040X025	PTQ060X040	PTQ080X060	PTQ100X075	PTQ120X090
-20~20	2.0	1.9	1.5	1.1	1.2
30	1.7	1.6	1.2	0.9	1.0
40	1.4	1.4	1.0	0.8	0.9
50	1.2	1.1	0.8	0.6	0.8
60	1.1	1.0	0.7	0.5	0.7
70	1.0	0.9	0.6	0.4	0.6
80	0.9	0.8	0.5	0.4	0.5
90	0.8	0.7	0.4	0.3	0.4
100	0.7	0.6	0.4	0.3	0.3

PTL

Polytetrafluoroethylene Pipe (PTFE)



Product Features

- High and low temperature resistance, continuous use temperature -80℃~260℃
- Corrosion resistance (strong acid, alkali, chemical agent, oil resistance).
- High voltage resistance (30KV/mm), good insulation performance.
- Suitable for aerospace electrical appliances, electronic transformer leads, chemical equipment diversion, tracing pipe, cable lining.

Specifications

Model Number		PTL040X025	PTL060X040	PTL080X060	PTL100X075	PTL120X090	PTL160X130	PTL190X160
Dimensions	O.DXl.D(mm)	4X2.5	6X4	8X6	10X7.5	12X9	16X13	19X16
	Package length (m)	100	100	10	100	100	100	100
Relative density		2.14~2.20						
Tensile strength (MPa)		≥25						
Tensile yield strength (MPa)		≥11						
Elongation (%)		≥300						
Arc resistance		>300						
Hardness (D)		59~63						
Melting point (°C)		327						
Continuous service temperature (°C)		-80~260						
Oxygen index (%)		>90						
Water absorption rate (%)		<0.01						
Linear expansion coefficient (X105/°C) 21~100		10						
Breakdown strength (kv/mm)		≥30						
Volume resistivity (Q.m)		1X10 ¹⁸						

PTLM

Soluble Teflon Pipe (PFA)



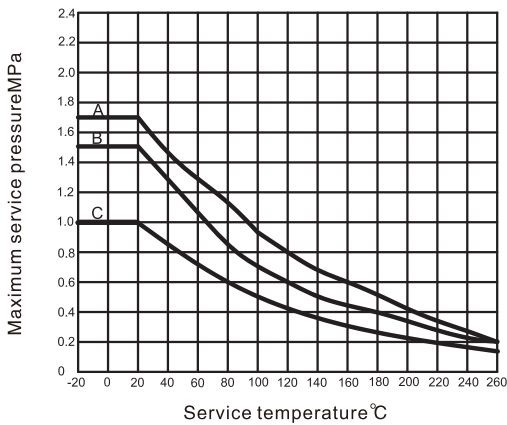
Product Features

- Material: Polyresin of teflon and perfluranoxethylene
- Fluids: Air, water, oil, strong acids. Strong base
- Fluid temperature: -200℃~+260℃
- Excellent high and low temperature resistance and sliding performance
- Excellent corrosion resistance and chemical stability

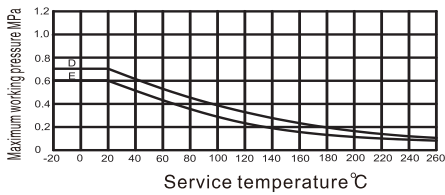
Specifications

Model Number	PTLM040X025	PTLM060X040	PTLM080X060	PTLM100X075	PTLM120X090	PTLM160X130
Use fluid	Air, water, oil, strong acids. Strong base					
Maximum working pressure (at 20℃)	Refer to graph of maximum operating pressure					
Maximum service pressure	Refer to graph of maximum operating pressure					
Minimum bending radius	20mm	35mm	60mm	95mm	100mm	165mm
Service temperature	-200℃~+260℃					

Cyclic Pressure Characteristic Curve and Service Pressure



Note: The detailed specification, delivery date and color should be confirmed with our company.



Classification	Model size	Maximum service pressure MPa			
		20℃	100℃	200℃	260℃
A	040X025	1.7	0.9	0.45	0.23
B	060X040	1.5	0.7	0.35	0.2
C	080X060	1	0.5	0.25	0.15
	100X075	1	0.5	0.25	0.15
D	120X090	1	0.5	0.25	0.15
	160X130	0.7	0.35	0.17	0.11
E	120X100	0.6	0.3	0.15	0.1

PTH

Polyurethane Pipe



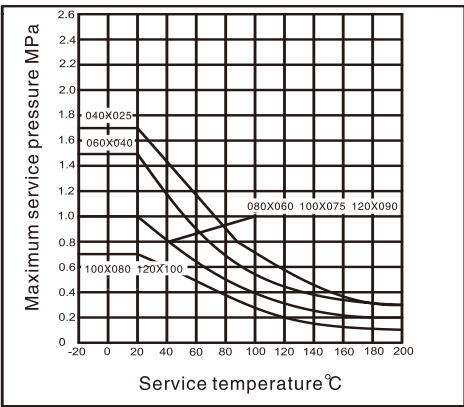
Product Features

- PTH tubing is transparent, high-performance tubing with excellent physical and chemical properties. PTH pipe basically retains the characteristics of PTL, such as excellent high temperature resistance and low mixing, chemical stability, high non-adhesion and mechanical strength.
- It is used in medical instruments, semiconductor devices, medical catheters, food machinery, chemical liquid conveying for thermal exchangers, liquid core fiber sheathing, 4G/5G communication low-pass sleeve, etc.
- Thermal stability, excellent and stable performance in the temperature range of -150℃-200℃.
- UV protection.
- Excellent chemical resistance.
- Uniform wall thickness.

Specifications

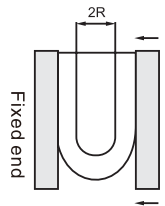
Model Number	PTH040X025	PTH060X040	PTH080X060	PTH100X075	PTH120X090
Use fluid	Air, water, oil, strong acids, strong alkalis				
Maximum working pressure (at 20℃)	Refer to graph of maximum operating pressure				
Maximum service pressure	Refer to graph of maximum operating pressure				
Minimum bending radius	20mm	35mm	60mm	95mm	100mm
Service temperature	-150℃~+200℃				

Cyclic Pressure Characteristic Curve and Service Pressure



Note: Same outside diameter, different inside diameter, the maximum operating pressure will be different.

Method for Determination of Minimum Bending Radius



Under the condition of 20 degrees Celsius, let the pipe bend into a U-shape, one end fixed, the other end slowly close, the pipe bending, flattening, etc. 2R measured.

Note: This product is mainly painted, solvent, use other media, please contact the company.

PTPH

Hard Polyolefin Tube (TPH)



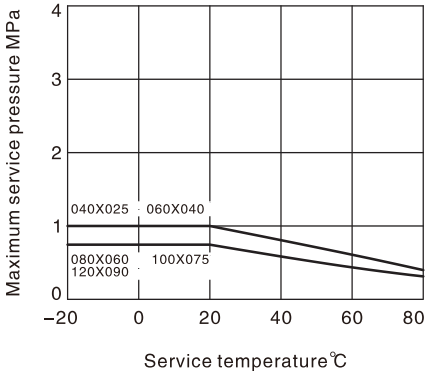
Product Features

- Material: polyolefin resin
- Fluid: air, water, general acid and base
- Fluid temperature: -20°C ~ $+80^{\circ}\text{C}$
- It has good low temperature resistance, chemical stability,
- Resistant to most acid and base erosion,
- At room temperature, salt, hydrofluoric acid, phosphoric acid, formic acid, hydrogen, sodium hydroxide, potassium oxide and other chemical substances invasion
- Hydrolysis resistance, oil resistance
- Meet FDA food grade requirements, can be used in food, medical, emiconductor equipment, etc.
- This product is especially suitable for electrolytes, nitrogen and pure water.

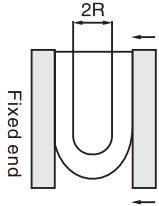
Specifications

Model Number	PTPH040X025	PTPH060X040	PTPH080X050	PTPH080X060	PTPH100X065	PTPH120X080	PTPH120X090
Use fluid	Air, water						
Maximum working pressure (at 20℃)	0.8MPa						
Maximum service pressure	Refer to graph of maximum operating pressure						
Minimum bending radius	13mm	24mm	20mm	40mm	50mm	60mm	60mm
Service temperature	-20°C ~ $+80^{\circ}\text{C}$						

Cyclic Pressure Characteristic Curve and Service Pressure



Method for Determination of Minimum Bending Radius



Under the condition of temperature 20°C , let the pipe bend into a U-shape, one end is fixed, the other end slowly close, the pipe bending, flattening, etc.

Note: 1、 This product mainly used gas, water, use other media please contact the company.
2、 The minimum bending radius is in the temperature of 20°C , the measurement of bending value.

PTPS

Soft Polyolefin Tube



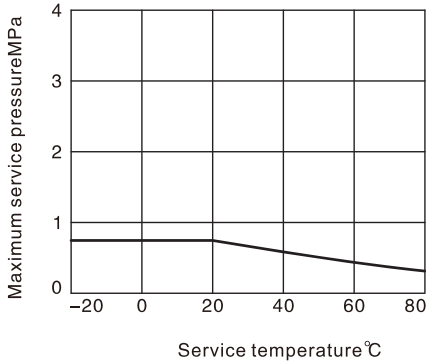
Product Features

- Material: polyolefin resin
- Fluid: air, water, nitrogen, general acid and base.
- Fluid temperature: -20°C ~ $+80^{\circ}\text{C}$.
- Good low temperature resistance, chemical stability, resistance to most acid and base erosion.
- At room temperature, alkali, hydrofluoric acid, phosphoric acid, formic acid, nitrogen, sodium hydroxide, hydrogen oxidation Potassium and other chemicals attack.
- Resistance to hydrolysis and oil.
- Meet FDA food grade requirements, can be used in food, medical, semiconductor equipment, etc.
- This product is especially suitable for electrolytes, nitrogen, and pure water.

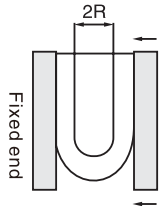
Specifications

Model Number	PTPS040X025	PTPS060X040	PTPS080X050	PTPS080X060	PTPS100X065	PTPS120X080	PTPS120X090
Use fluid	Air, water, chlorine, general acid and base						
Maximum working pressure (at 20℃)	0.8MPa						
Maximum service pressure	Refer to graph of maximum operating pressure						
Minimum bending radius	10mm	15mm	20mm	40mm	30mm	35mm	60mm
Service temperature	-20°C ~ $+80^{\circ}\text{C}$						

Cyclic Pressure Characteristic Curve and Service Pressure



Method for Determination of Minimum Bending Radius



Under the condition of temperature 20°C , let the pipe bend into a U-shape, one end is fixed, the other end slowly close, the pipe bending, flattening, etc.

Note: 1、 This product mainly used gas, water, use other media please contact the company.
2、 The minimum bending radius is in the temperature of 20°C , the measurement of bending value.

PUA

Spray Pipe (Polyurethane+PA11)



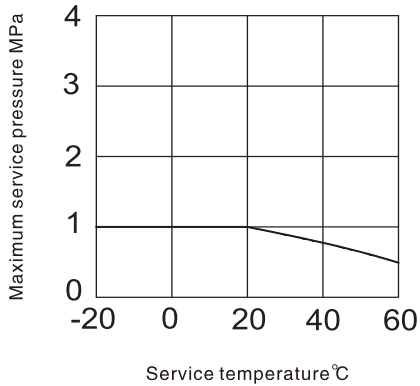
Product Features

- Material: Polyurethane +PA11.
- Hardness: 95A+60D.
- Fluids: water, air, paint, solvents.
- Fluid temperature: -40℃ -+70℃.
- Good corrosion resistance, high water temperature . resistance, good flexibility.
- Folding resistance, aging resistance, long service life.
- Suitable for automotive industry, conveying paints and coatings.

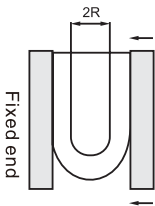
Specifications

Model Number	PUA060X040	PUA080X050	PUA090X060	PUA100X065	PUA110X080	PUA120X080	PUA160X110
Use fluid	Air, water, paint, solvent						
Maximum working pressure (at 20℃)	1.0MPa						
Maximum service pressure	Refer to graph of maximum operating pressure						
Minimum bending radius	20mm	30mm	35mm	40mm	45mm	50mm	75mm
Service temperature	-20℃ ~+60℃						

Cyclic Pressure Characteristic Curve and Service Pressure



Method for Determination of Minimum Bending Radius

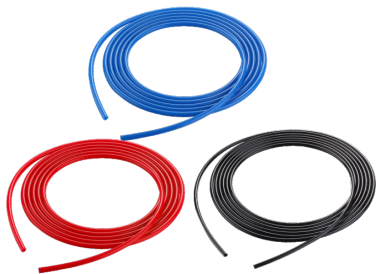


Under the condition of 20 degrees Celsius, let the pipe bend into a U-shape, one end fixed, the other end slowly close, the pipe bending, flattening, etc. 2R measured.

Note: This product is mainly painted, solvent, use other media, please contact the company.

PUU

High Temperature&Pressure Polyester Tube



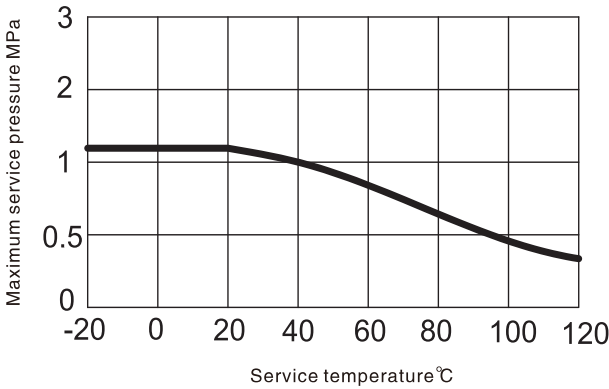
Product Features

- Material: Special polyester
- Hardness: 40D-70D
- Fluid: air, water
- Fluid temperature: -40° C to +120° C
- With rubber elasticity, low temperature flexibility
- Maintain good performance when the temperature rises
- Resistance to creep, impact and fatigue
- High tear strength and friction resistance
- Good resistance to chemicals, oils, solvents and weather

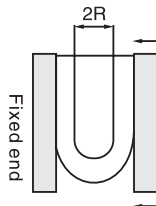
Specifications

Model Number	PUU040X025	PUU060X040	PUU080X050	PUU100X065	PUU120X080	PUU160X120
Use fluid	Air and water					
Maximum working pressure (at 20℃)	1.2MPa					
Maximum service pressure	Refer to graph of maximum operating pressure					
Minimum bending radius	10mm	15mm	20mm	30mm	35mm	65mm
Service temperature	-40℃ ~+120℃					

Cyclic Pressure Characteristic Curve and Service Pressure



Method for Determination of Minimum Bending Radius



Under the condition of temperature 20℃, let the pipe bend into a U-shape, one end is fixed, the other end slowly close, the pipe bending, flattening, etc.

Note: 1、 This product mainly used gas, water, use other media please contact the company.
2、 The minimum bending radius is in the temperature of 20℃, the measurement of bending value.

PY

Corrosion-Resistant Hose (Vinyl Synthetic Resin)



Product Features

- Material: vinyl synthetic resin
- Hardness: 98A
- Fluid: air, electrolyte
- Fluid temperature: -20℃~50℃
- Good flexibility, corrosion resistance and tortuous resistance.
- Suitable for the lithium industry, such as liquid injection machine, chemical components and other equipment.

Specifications

Model Number	PY040X025	PY060X040	PY080X050	PY100X075	PY120X080	PY160X120
Use fluid	Air, electrolyte					
Maximum working pressure (at 20℃)	0.6MPa					
Minimum bending radius	-20℃~+50℃					
Service temperature	10mm	15mm	20mm	30mm	35mm	60mm

PUS/PES Tube

How to Order?

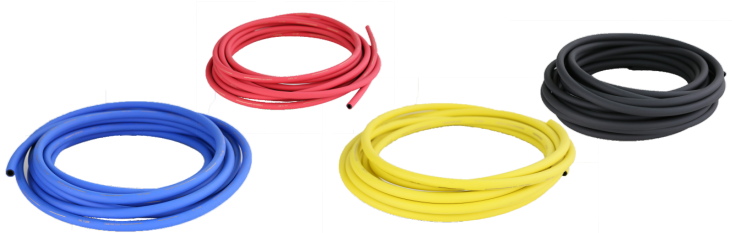
Series code	O.D.	X	I.D.	Length	Color code	End length	Fitting type
PUS: PU spring tube PES: PE spring tube	040: 4.0mm 050: 5.0mm 060: 6.0mm 080: 8.0mm 100: 10.0mm 120: 12.0mm 140: 14.0mm 160: 16.0mm	025: 2.5mm 030: 3.0mm 040: 4.0mm 050: 5.0mm 060: 6.0mm 065: 6.5mm 080: 8.0mm 100: 10.0mm 120: 12.0mm	060M: 6m 075M: 7.5m 090M: 9m 120M: 12m 150M: 15m		BU: Blue B: Black C: Transparent O: Orange R: Red	A: One end is 30cm, the other end is 10cm B: Both end be 10cm C: Both end be 0cm	1: Without fitting 2: With female-male fitting 3: With male-male fitting

Order example:
φ4Xφ2.5 PU Spring tube, 6M, Black color, both end with 10cm, no end fitting, ERP code is: PUS040X025-060M-B-B-1
Note: Please check with E.MC for color available and MOQ.



TSB

Flame Resistant Tubing

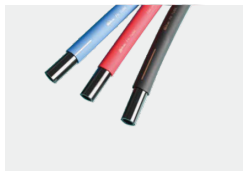


How to Order ?

Series	O.D.	X	I.D.	Length	Color
TSB: Flame resistant tubing	060: 6.0mm 080: 8.0mm 100: 10.0mm 120: 12.0mm 140: 14.0mm		040: 4.0mm 050: 5.0mm 065: 6.5mm 080: 8.0mm 100: 10.0mm	100M: 100m/Roll	BU: Blue B: Black R: Red

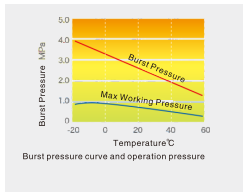
Flame Resistant Tube

Item No.	Tube O.D.(mm)	Tube I.D.(mm)	Outer layer thickness(mm)	Min bending radius(mm)
TSB060X040	6	4	1	15
TSB080X050	8	5	1	28
TSB100X065	10	6.5	1	35
TSB120X080	12	8	1	45
TSB140X100	14	10	2	55



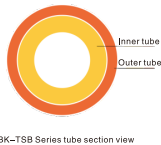
Performance

Fluid	Air ; Water	
Max operating pressure (20℃)	1.0MPa	
Operation temperature	20 to +60° C, Water : 0 to +40° C (Not freezing)	
Material	Inner layer	Polyurethane
	Outer layer	Flame resistant polyolefin resin(Same as UL94 standard V0)



Product Feature

- PU anti-spatter tube, inner tube is made of polyurethane and outer coated by flame resistant resin (equal to UL 94 V0), which is flame resistant, anti-spark and anti-spatter.
- While you need use this tube to fit the quick connector, please confirm the length you need, pill of the outer coating, stick the inner tube to the connector.
- Application: Auto welding fixture, welding robot, and other welding machine.



Air Gun



EB-094Y

EB-094O

Product Features

- Ergonomic trigger design, comfortable hand feel, smooth out of the gas.
- 6mm stainless steel barrel diameter, high strength, not easy to break, not easy to rust.
- The use of high-quality plastic shell, durable, long service life.
- Higher cost performance.
- Receiver caliber:G1/4

How to Order ?

Series	—	typology	Color
EB: Air Gun		094: Medium sized nozzles	Y: yellow O: orange

Shock Absorber



How to order

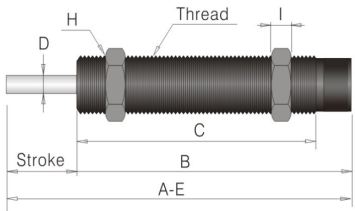
Series NO.	O.D. Thread Size	Stroke	—	1	N
AC: Standard type AD:Adjustable type	08: M8 10: M10 12: M12 16: M16 20: M20 ... See the specifications chart	See the specifications chart	1: High speed (Light load) 2: Medium speed (Medium load) 3: Low speed (heavy load)		Blank:Plastic anti-collision Cap N: Without plastic anti-collision Cap

Specifications

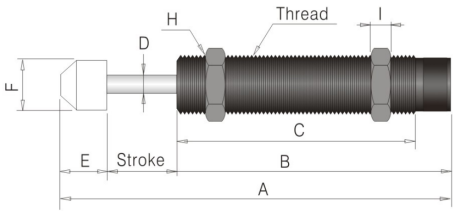
Model NO.	Stroke (mm)	Max.absorbed energy(Nm)	Absorb energy(Nm/h)	Max.allowable Weight(kg)			Max.collision speed(m/s)			Working temperature(°C)
				high speed type	medium speed type	low speed type	high speed type	medium speed type	low speed type	
AC0404	4	1.2	4300	0.3	1.2	2.5	2	1	0.5	-10~+85
AC0604	4	1.8	6480	0.4	1.8	4	2	1	0.5	-10~+85
AC0805	5	2	6800	0.5	2	6	2	1	0.5	-10~+85
AC0806	6	2.5	7200	0.6	2.5	6.5	2	1	0.5	-10~+85
AC1005	5	3	10800	1	3	7	3	1.5	0.8	-10~+85
AC1008	8	4	14400	2	4	9	3	1.5	0.8	-10~+85
AC1210	10	5	18000	5	10	30	3	1.5	0.8	-10~+85
AC1412	12	15	36000	8	50	100	3	1.5	0.8	-10~+85
AC1416	16	20	40000	10	70	150	3	1.5	0.8	-10~+85
AC1425	25	25	48000	12	80	160	3	1.5	0.8	-10~+85
AC2020	20	40	48000	30	200	700	3.5	2	1	-10~+85
AC2030	30	50	54000	30	200	700	3.5	2	1	-10~+85
AC2050	50	60	66000	60	400	1200	3.5	2	1	-10~+85
AC2525	25	80	60000	200	600	1000	4	2.5	1	-10~+85
AC2540	40	120	84000	300	800	1200	4	2.5	1	-10~+85
AC3660	60	250	125000	400	1500	2400	4	2.5	1	-10~+85
AC2550	50	98	98000	15	40	150	4	2.5	1	-10~+85
AC2580	80	150	127500	20	50	200	4	2.5	1	-10~+85

Main Dimension

AC0404/AC0604/AC0805/AC0806/AC1005AC1008/AC1210



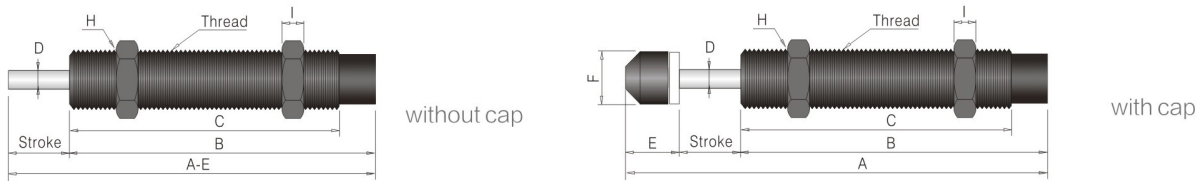
without cap



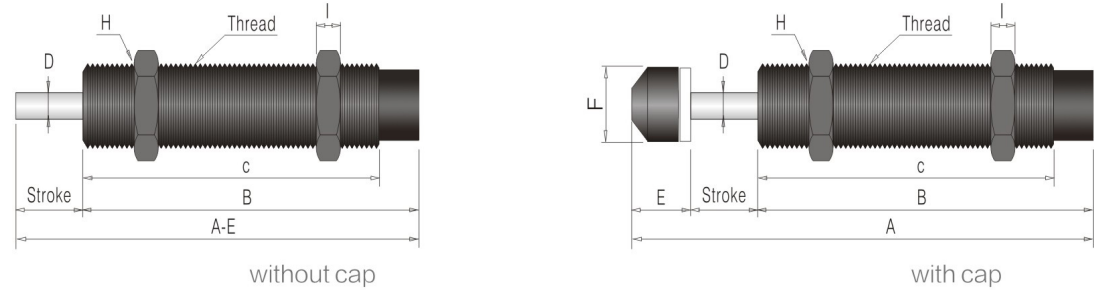
with cap

◎ Main Dimension

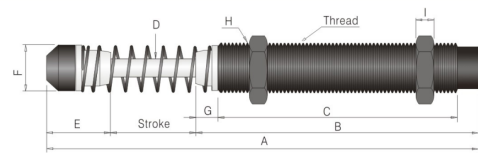
AC1412/AC1416/AC1425/AC2020/AC2030/AC2050



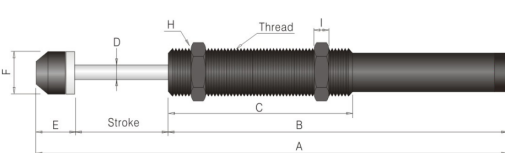
AC2525



AC2540/AC3660



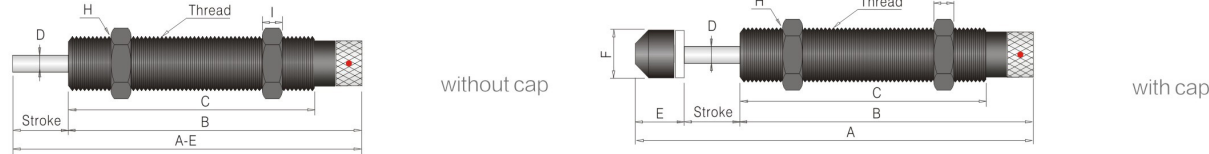
AC2550/AC2580



Model NO.	Thread nominal	A	B	C	D	E	F	G	H	I
AC0404	M4×0.5	32.6	24.6	19.6	1.2	4	3	-	7	3
AC0604	M6×0.75	33.7	25.7	20.6	1.8	4	4.6	-	8	3.3
AC0805	M8×0.75	37.9	26.9	21.4	1.8	6	4.6	-	11	4
AC0806	M8×1.0	50	38	33	2.9	6	6.6	-	11	4
AC1005	M10×1.0	38.7	27.7	22.9	3	6	8.6	-	12.7	4
AC1008	M10×1.0	57	43	36.5	3	6	8.6	-	12.7	4
AC1210	M12×1.0	69.2	50	45.5	3	9.2	10.3	-	14	4
AC1412	M14×1.5	100.2	76.5	70.2	4	12	12	-	19	5
AC1416	M14×1.5	104.2	76.2	70.2	4	12	12	-	19	5
AC1425	M14×1.5	147	110	104	4	12	12	-	19	5
AC2020	M20×1.5	145.8	110	104	6	15.8	18	-	26	8
AC2030	M20×1.5	155.8	110	104	6	15.8	18	-	26	8
AC2050	M20×1.5	232.8	167	161	6	15.8	18	-	26	8
AC2525	M25×1.5	154.5	111	106	8	18.5	22	-	32	10
AC2540	M25×1.5	214	137	117	8	37	22	10	32	10
AC2550	M25×1.5	239	170.5	100	8	18.5	22	-	32	10
AC2580	M25×1.5	335.5	237	100	8	18.5	22	-	32	10
AC3660	M36×1.5	247	162	134	10	25	35	17	46	15

◎ Main Dimension

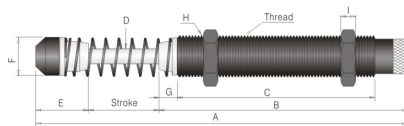
AD1410/AD2016/AD2025



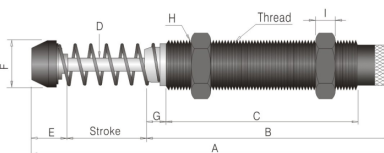
AD2525/AD2530



AD2540



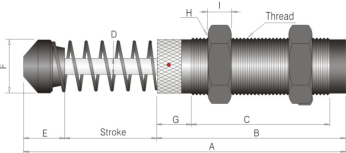
AD3625/3650



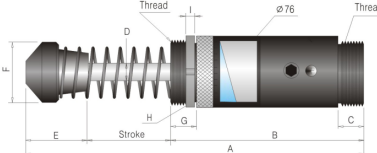
Model NO.	Stroke (mm)	Max. absorbed energy (Nm)	Absorb energy (Nm/h)	Max. allowable Weight (kg)	Max. collision speed (m/s)	Working temperature (°C)
AD1410	10	20	24000	80	3.2	-10~+85
AD2016	16	25	32000	200	3.6	-10~+85
AD2025	25	39	39000	312	3.6	-10~+85
AD2525	25	85	51000	400	3.6	-10~+85
AD2530	30	95	57000	480	3.6	-10~+85
AD2540	40	100	84000	700	3.6	-10~+85
AD3625	25	150	90000	1200	3.2	-10~+85
AD3650	50	300	108000	1400	3.2	-10~+85
AD4225	25	260	130000	3000	3.6	-10~+85
AD4250	50	500	155000	4000	4.8	-10~+85
AD4275	70	750	187000	6000	4.8	-10~+85
AD64050	50	1200	156000	12727	3.5	-10~+85
AD64100	100	2400	192000	18181	3.5	-10~+85
AD64150	150	3600	252000	23636	3.5	-10~+85

Main Dimension

AD4225/AD4250/AD4275



AD64050/AD64100/AD64150

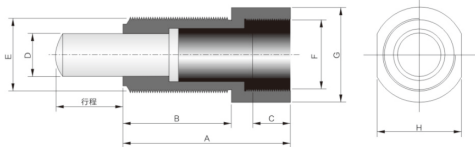


Model NO.	Thread nominal	A	B	C	D	E	F	F	H	I
AD1410	M14×1.5	105.2	83.2	70.2	4	12	12	-	19	5
AD2016	M20×1.5	148.8	117	101	6	15.8	18	-	26	8
AD2025	M20×1.5	157.8	117	101	6	15.8	18	-	26	8
AD2525	M25×1.5	162	118.5	101	8	18.5	22	-	32	10
AD2530	M25×1.5	167	118.5	101	8	18.5	22	-	32	10
AD2540	M25×1.5	221.5	144.5	117	8	37	22	10	32	10
AD3625	M36×1.5	183	133	103	10	25	35.5	10	46	15
AD3650	M36×1.5	246	171	134	10	25	35.5	17	46	15
AD4225	M42×1.5	186	127.5	88	12	33.5	44.5	28.5	50	15
AD4250	M42×1.5	245.5	157	117.5	12	38.5	44.5	28.5	50	15
AD4275	M42×1.5	301	187.5	148	12	38.5	44.5	28.5	50	15
AD64050	UNF21/2-12	247	146	26	20	51	59	23	76.2	9.4
AD64100	UNF21/2-12	347	196	26	20	51	59	23	76.2	9.4
AD64150	UNF21/2-12	467	256	26	20	61	59	23	76.2	9.4

Shock Absorber-Accessories

Angle Converter

Model	Stroke	A	B	C	D	E	F	G	H
SCL1410	10	34	18	10	8	M14×1.5	M14×1.5	19	17
SCL1415	15	39	23	10	8	M14×1.5	M14×1.5	19	17
SCL2016	16	48	30.5	12	12	M20×1.5	M20×1.5	25	22
SCL2020	20	51	33.5	12	12	M20×1.5	M20×1.5	25	22
SCL2525	25	62	40	14	16	M25×1.5	M25×1.5	35	31
SCL2725	25	62	40	14	16	M27×1.5	M27×1.5	35	31
SCL3325	25	69	47	15	20	M33×1.5	M33×1.5	45	40
SCL3625	25	69	47	15	20	M36×1.5	M36×1.5	45	40



Stop Collars

Model	Dimensons	Applicable for shock absorber model	Model	Dimensons	Applicable for shock absorber model
SC08		AC0806	SC20		AC2020 AD2016 AC2030 AD2020 AC2050 AD2025
SC10		AC1005 AC1008	SC25		AC2525 AD2525 AC2550 AD2530 AC2580
SC12		AC1210	SC40		AC2540 AD2540
SC14		AC1412 AD1410 AC1416 AD1425 AC1420 AC1425	SC50		AC3660 AD3625 AD3650

Mounting Flange

Model	Dimensons	Applicable for shock absorber model	Model	Dimensons	Applicable for shock absorber model
F36		AC3660	F64		AD64050 AD64100 AD64150
F42		AD4225 AD4250 AD4275			