

# Miniature One-touch Fittings

## One-touch Mini

# Series KJ



Applicable Tubing:  $\varnothing 3.2$ ,  $\varnothing 4$ ,  $\varnothing 6$   
 Connection Thread: M3, M5, R 1/8

**Guide 1**

**Guide 2**

**Chuck**  
 Suitable for use with nylon, soft nylon and urethane.  
 Large retaining force.  
 Has large retaining force.

**Seal**  
 Can be used for a wide range of pressures from a low vacuum up to a pressure of 1.0 MPa  
 The use of a special profile ensures sealing and reduces resistance when the tube is inserted.

**Gasket**

**Release button (Light gray)**  
**Light force for removal**  
 When the fitting is removed from the tubing, the chuck and collet are released, thus preventing them from biting into the tube to an unnecessary degree. Unique shape allows easy tube release.

**Tube**

**Body (White)**

**O-ring**

**Stud**  
**Effective when piping in a confined space.**

- The body and the threaded portion can rotate (for positioning to some extent).
- Stud is electroless nickel plated.
- Standard with preapplied thread seal 1/8

PAT.PEND

- K
- M
- H
- D
- MS
- T
- VMG

**Optimum piping in less space with 20% reduction of the outside diameter**

**Thread seal is standard.**

**Copper-free specifications (With electroless nickel plated.)**

**Possible to use in vacuum to -100 kPa**



### Applicable Tubing

Tubing material	Nylon, Soft nylon, Polyurethane
Tubing O.D.	$\varnothing 3.2$ , $\varnothing 4$ , $\varnothing 6$


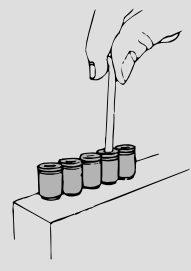

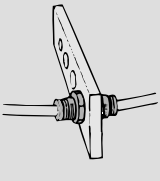

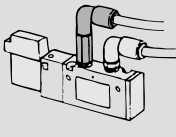


















### Specifications

Fluid	Air/Water <sup>Note)</sup>	
Maximum operating pressure	1.0 MPa	
Operating vacuum pressure	-100 kPa	
Proof pressure	3.0 MPa	
Ambient and fluid temperature	-5 to 60°C, Water: 0 to 40°C (No freezing)	
Thread	Mounting section	JIS B 0203 (Taper thread for piping) JIS B 0209, Class 2 (Metric coarse thread)
	Nut section	JIS B 0211 Class 2 (Metric fine thread)
Thread seal (Standard)	With thread seal	
Copper-free (Standard)	Brass parts are all electroless nickel plated.	

Note) Applicable for general industrial water. Please consult with SMC if using for other kinds of fluid. Also, the surge pressure must be under the maximum operating pressure.

### Principal Parts Material

Body	Stainless steel 303, C3604BD, PBT
Stud	C3604BD (Thread portion)
Chuck, Guide 2	Stainless steel 304
Release button, Guide 1	POM
Seal, O-ring	NBR
Gasket	Stainless steel 304, NBR

Model					
<b>Hex. socket head male connector</b> KJS	P. 4		Internal hex. allows thread connection by using an allen wrench for confined spaces.		
<b>Bulkhead union</b> KJE	P. 9		Use to connect tubes through a panel.		
<b>Extended male elbow</b> KJW	P. 6		Universal male elbow allows thread connection by using a socket wrench for confined spaces.		
<b>Male connector</b> KJH	P. 4		Use to pipe in the same direction from female thread. Most general style.		
<b>Female connector</b> KJF	P. 4		Use to pipe from male thread such as pressure gauge.		
<b>Straight union</b> KJH	P. 4		Use to connect tubes in the same direction.		
<b>Different diameter straight</b> KJH	P. 5		Use to connect different sized tubes.		
<b>Male elbow</b> KJL	P. 5		Use to pipe at right angles to female thread. Most general style.		
<b>Union elbow</b> KJL	P. 5		Use to connect tubes at right angles.		
<b>Plug-in elbow</b> KJL	P. 5		Use to change by 90° in a tube fetching direction from One-touch fittings.		
<b>Reducer elbow</b> KJL	P. 6		Use to change by 90° in a tube fetching direction from One-touch fittings and to size down.		
<b>Male branch tee</b> KJT	P. 6		Use to branch line from female thread in both 90° directions.		
<b>Union tee</b> KJT	P. 7		Use to connect tubes in both 90° directions.		
<b>Different diameter tee</b> KJT	P. 7		Use to connect tubes with size down in both 90° directions.		
<b>Male run tee</b> KJY	P. 7		Use to branch line in the same direction from female thread and in 90° direction.		
<b>Union "Y"</b> KJU	P. 8		Use to branch line in the same direction.		
<b>Different dia. union "Y"</b> KJU	P. 8		Use to branch line with size down in the same direction.		
<b>Plug-in "Y"</b> KJU	P. 8		Use to branch line in the same direction from One-touch fittings.		
<b>Different diameter plug-in "Y"</b> KJX	P. 8		Use to branch line with size down in the same direction from One-touch fittings.		
<b>Branch "Y"</b> KJU	P. 9		Use to branch line in the same direction from female thread.		
<b>Plug-in reducer</b> KJR	P. 9		Use to change size of One-touch fittings.		

- K□
- M□
- H□
- D□
- MS
- T□
- VMG

**Gasket/Seal for M5 thread**  
Part no.: M-5G2  
Material: Stainless steel 304, NBR

## ⚠ Precautions

**Be sure to read before handling.**  
Refer to pages 15-18-3 to 15-18-4 for Safety Instructions and Common Precautions on the products mentioned in this catalog, and refer to pages 15-1-10 to 15-1-11 for Precautions on every series.

### Interchangeability of Series KJ and KQ

#### ⚠ Caution

- Do not use the plug-in KQ Series with the KJ Series, it will not hold.
- For combinations other than the plug-in KQs, they are interchangeable.

### Installation and Removal of One-touch Mini Fittings

#### ⚠ Caution

##### Installing of tube

- Cut the tube perpendicularly, using caution not to damage its surface. (Use tube cutter TK-1, 2 or 3. Do not cut the tube with cutting pliers, nippers, scissors, etc.)
- Grasp the tube, then slowly push it until it comes to a stop.
- Then, pull it back gently to make sure that it does not come out.


##### Removing of tube

(Use one hand for removal.)

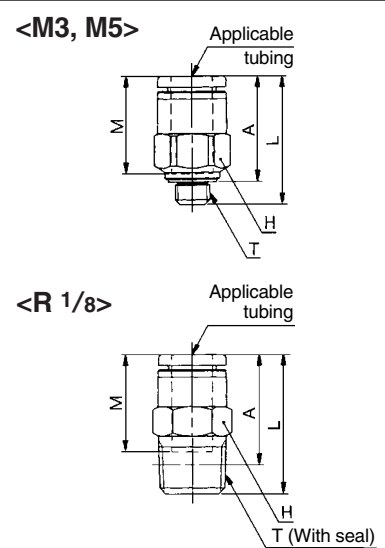
- Hold the release button with the thumb and forefinger.
- Grasp the tube with the remaining three fingers and palm.
- Then, pull out the tube with three fingers and palm while pushing in the release button with the thumb and the forefinger.
- To reuse the released tube, cut off the damaged portion of the tube.

# Series KJ


## Male Connector: KJH

<M3, M5>	Applicable tubing O.D. (mm)	Connection thread T	Model	H (width across flats)	L	A	M	Effective area (mm <sup>2</sup> )		Weight (g)
								Nylon	Urethane	
	3.2	M3 x 0.5	<b>KJH23-M3</b>	7	16.3	13.7	12.7	0.9	0.9	1.6
		M5 x 0.8	<b>KJH23-M5</b>		16.7	13.6		2		
		R 1/8	<b>KJH23-01S</b>	10	13.8	9.8*	3	2.5	4.7	
<R 1/8>	4	M3 x 0.5	<b>KJH04-M3</b>	8	16.3	13.7	12.7	0.9	0.9	1.9
		M5 x 0.8	<b>KJH04-M5</b>		17	13.9		2.4		
		R 1/8	<b>KJH04-01S</b>	10	14.8	10.8*	4	4	4.6	
	6	M5 x 0.8	<b>KJH06-M5</b>	10	17.8	14.7	13.5	4	4	3.3
		R 1/8	<b>KJH06-01S</b>		19.4	15.4*		10	10	5.2

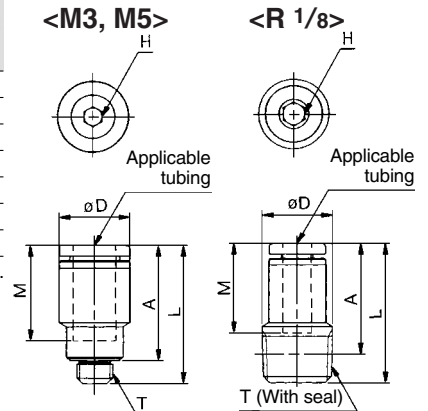
\* Reference dimensions after R thread installation.



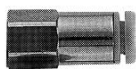
## Hexagon Socket Head Male Connector: KJS

<M3, M5>	Applicable tubing O.D. (mm)	Connection thread T	Model	H (width across flats)	Note) $\phi D$	L	A	M	Effective area (mm <sup>2</sup> )		Weight (g)
									Nylon	Urethane	
	3.2	M3 x 0.5	<b>KJS23-M3</b>	1.5	7	16.3	13.7	12.7	1.4	1.4	1.3
		M5 x 0.8	<b>KJS23-M5</b>	2		19.7	16.6		2.5	2.5	2.8
<R 1/8>	4	M3 x 0.5	<b>KJS04-M3</b>	1.5	8	16.3	13.7	12.7	1.4	1.4	1.6
		M5 x 0.8	<b>KJS04-M5</b>	2.5		18.7	15.6		4	4	2.7
		R 1/8	<b>KJS04-01S</b>	3	9.8	19.7	15.7*	4	4	5.4	
	6	M5 x 0.8	<b>KJS06-M5</b>	2.5	10	19.5	16.4	13.5	4	4	3.3
		R 1/8	<b>KJS06-01S</b>	4		20	16*		10	10	5.2

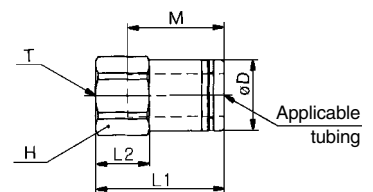
\* Reference dimensions after R thread installation. Note)  $\phi D$ : Max. diameter




## Female Connector: KJF

	Applicable tubing O.D. (mm)	Connection thread T	Model	H (width across flats)	Note) $\phi D$	L1	L2	M	Effective area (mm <sup>2</sup> )		Weight (g)
									Nylon	Urethane	
	3.2	M3 x 0.5	<b>KJF23-M3</b>	7	7	16.5	6.8	12.7	3	2.5	2.6
		M5 x 0.8	<b>KJF23-M5</b>			18.8	7.9		2.8		
	4	M3 x 0.5	<b>KJF04-M3</b>	8	8	16.1	6.4	12.7	4	4	3.2
		M5 x 0.8	<b>KJF04-M5</b>			18.7	7.8		3.8		
	6	M5 x 0.8	<b>KJF06-M5</b>	10	10	18	7.5	13.5	10	10	5.3

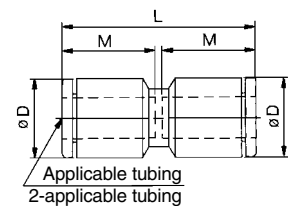
Note)  $\phi D$ : Max. diameter




## Straight Union: KJH

	Applicable tubing O.D. (mm)	Model	Note) $\phi D$	L	M	Effective area (mm <sup>2</sup> )		Weight (g)
						Nylon	Urethane	
	3.2	<b>KJH23-00</b>	8.4	26.3	12.7	3	2.5	1.4
	4	<b>KJH04-00</b>	9.3	26.3	12.7	4	4	1.7
	6	<b>KJH06-00</b>	11.6	28	13.5	10	10	2.5

Note)  $\phi D$ : Max. diameter

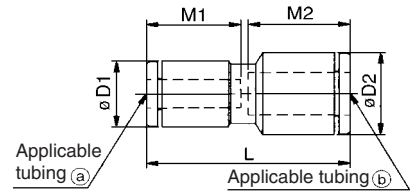


## Different Diameter Straight: KJH



Applicable tubing O.D. (mm)		Model	Note) $\phi D1$	Note) $\phi D2$	L	M1	M2	Effective area (mm <sup>2</sup> )		Weight (g)
(a)	(b)							Nylon	Urethane	
3.2	4	<b>KJH23-04</b>	8.4	9.3	26.3	12.7	12.7	3	2.5	1.6
	6	<b>KJH23-06</b>		11.6			27.2			13.5
4	6	<b>KJH04-06</b>	9.3	11.6	27.2	12.7	13.5	4	4	2.2

Note)  $\phi D1$ ,  $\phi D2$ : Max. diameter



## Male Elbow: KJL

<M3, M5>



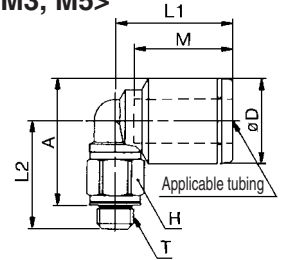
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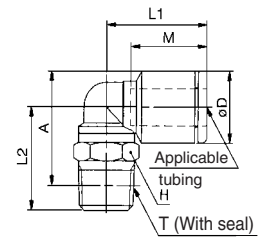
Applicable tubing O.D. (mm)	Connection threads T	Model	H (width across flats)	Note) $\phi D$	L1	L2	A	M	Effective area (mm <sup>2</sup> )		Weight (g)	
									Nylon	Urethane		
3.2	M3 x 0.5	<b>KJL23-M3</b>	7	8.4	15.3	12.5	14.1	12.7	0.8	0.8	2.1	
	M5 x 0.8	<b>KJL23-M5</b>							2.6	2.2	2.5	
	R 1/8	<b>KJL23-01S</b>							10	15.2	15.4*	6.7
4	M3 x 0.5	<b>KJL04-M3</b>	7	9.3	15.6	13	15.1	12.7	0.8	0.8	2.2	
	M5 x 0.8	<b>KJL04-M5</b>							3.5	3.5	2.7	
	R 1/8	<b>KJL04-01S</b>							10	15.7	16.4*	6.8
6	M5 x 0.8	<b>KJL06-M5</b>	7	11.6	16.1	14.7	17.4	13.5	3.5	3.5	3.2	
	R 1/8	<b>KJL06-01S</b>							10	17.8	18.5*	6.4

\* Reference dimensions after R thread installation.  
Note)  $\phi D$ : Max. diameter

<M3, M5>



<R 1/8>

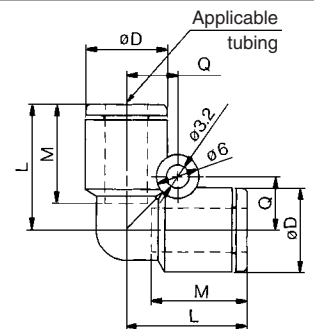


## Union Elbow: KJL



Applicable tubing O.D. (mm)	Model	Note) $\phi D$	L	Q	M	Effective area (mm <sup>2</sup> )		Weight (g)
						Nylon	Urethane	
3.2	<b>KJL23-00</b>	8.4	15	5.8	12.7	2.6	2.2	1.6
4	<b>KJL04-00</b>	9.3	15.8	6.3	12.7	3.5	3.5	2
6	<b>KJL06-00</b>	11.6	17.1	7.3	13.5	9	9	3.1

Note)  $\phi D$ : Max. diameter

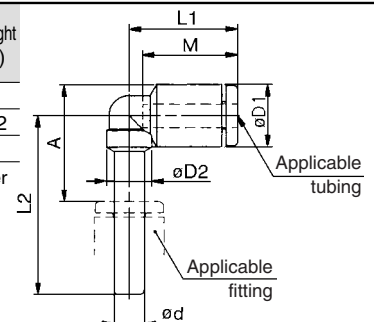


## Plug-in Elbow: KJL



Applicable tubing O.D. (mm)	Applicable fitting size $\phi d$	Model	Note) $\phi D1$	$\phi D2$	L1	L2	A	M	Effective area (mm <sup>2</sup> )		Weight (g)
									Nylon	Urethane	
3.2	3.2	<b>KJL23-99</b>	8.4	6	14.5	23.8	15.3	12.7	2.6	2.2	1
4	4	<b>KJL04-99</b>	9.3	6	15.6	24.7	16.7	12.7	3.5	3.5	1.2
6	6	<b>KJL06-99</b>	11.6	7	16.3	26.8	19.1	13.5	9	9	2

Note)  $\phi D1$ : Max. diameter



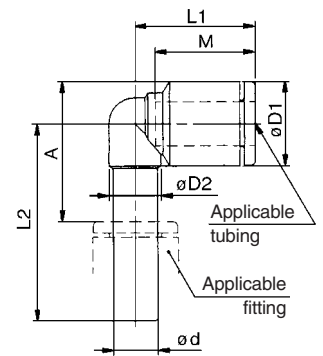
# Series KJ

## Reducer Elbow: KJL



Applicable tubing O.D. (mm)	Applicable fitting size $\phi d$	Model	(Note) $\phi D1$	$\phi D2$	L1	L2	A	M	Effective area (mm <sup>2</sup> )		Weight (g)
									Nylon	Urethane	
3.2	4	<b>KJL23-04</b>	8.4	6	14.5	24.3	15.8	12.7	2.6	2.2	1.1
	6	<b>KJL23-06</b>				25.3	16				1.2
4	6	<b>KJL04-06</b>	9.3	6	15.6	25.7	16.9	12.7	3.5	3.5	1.4

Note)  $\phi D1$ : Max. diameter



## Extended Male Elbow: KJW

<M3, M5>



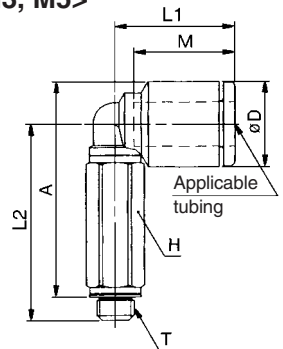
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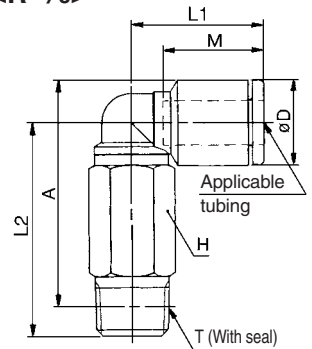
Applicable tubing O.D. (mm)	Connection thread T	Model	H (width across flats)	(Note) $\phi D$	L1	L2	A	M	Effective area (mm <sup>2</sup> )		Weight (g)
									Nylon	Urethane	
3.2	M3 x 0.5	<b>KJW23-M3</b>	7	8.4	15.3	22.5	24.1	12.7	0.8	0.8	5
	M5 x 0.8	<b>KJW23-M5</b>	10			25.2	26.3		2.6	2.2	6.2
	R 1/8	<b>KJW23-01S</b>	10			25.4*	25.4*		13.4		
4	M3 x 0.5	<b>KJW04-M3</b>	7	9.3	15.6	23	25.1	12.7	0.8	0.8	5.1
	M5 x 0.8	<b>KJW04-M5</b>	10			25.7	27.3		3.5	3.5	6.4
	R 1/8	<b>KJW04-01S</b>	10			26.4*	26.4*		13.6		
6	M5 x 0.8	<b>KJW06-M5</b>	7	11.6	16.1	26.7	29.4	13.5	3.5	3.5	6.9
	R 1/8	<b>KJW06-01S</b>	10		17.8	28.7	30.5*		9	9	13.2

\* Reference dimensions after R thread installation.  
Note)  $\phi D$ : Max. diameter

<M3, M5>



<R 1/8>

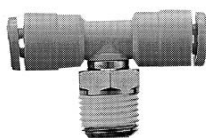


## Male Branch Tee: KJT

<M3, M5>



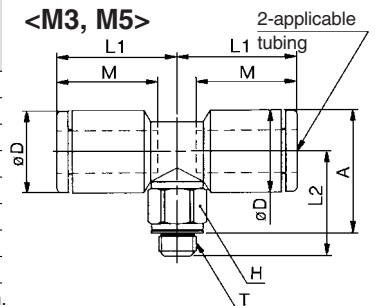
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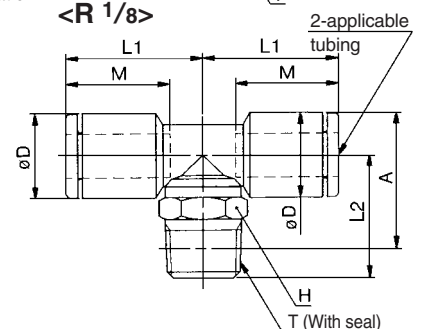
Applicable tubing O.D. (mm)	Connection thread T	Model	H (width across flats)	(Note) $\phi D$	L1	L2	A	M	Effective area (mm <sup>2</sup> )		Weight (g)
									Nylon	Urethane	
3.2	M3 x 0.5	<b>KJT23-M3</b>	7	8.4	15.3	12.5	14.1	12.7	0.9	0.9	2.8
	M5 x 0.8	<b>KJT23-M5</b>	10			13.2	14.3		3.2	2.7	3.2
	R 1/8	<b>KJT23-01S</b>	10			15.2	15.4*		7.4		
4	M3 x 0.5	<b>KJT04-M3</b>	7	9.3	15.6	13	15.1	12.7	0.9	0.9	3.1
	M5 x 0.8	<b>KJT04-M5</b>	10			13.7	15.3		4.5	4.5	3.5
	R 1/8	<b>KJT04-01S</b>	10			15.7	16.4*		7.7		
6	M5 x 0.8	<b>KJT06-M5</b>	7	11.6	16.1	14.7	17.4	13.5	4.5	4.5	4.4
	R 1/8	<b>KJT06-01S</b>	10		17.8	16.7	18.5*		11	11	7.6

\* Reference dimensions after R thread installation.  
Note)  $\phi D$ : Max. diameter

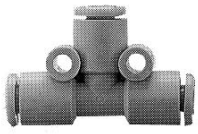
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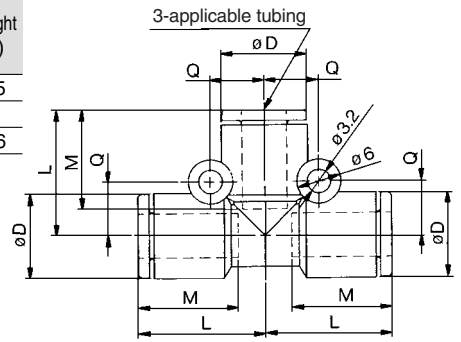


## Union Tee: KJT

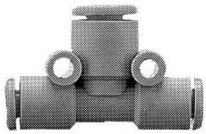


Applicable tubing O.D. (mm)	Model	Note) $\phi D$	L	Q	M	Effective area (mm <sup>2</sup> )		Weight (g)
						Nylon	Urethane	
3.2	<b>KJT23-00</b>	8.4	15	5.8	12.7	3.2	2.7	2.5
4	<b>KJT04-00</b>	9.3	15.8	6.3	12.7	4.5	4.5	3
6	<b>KJT06-00</b>	11.6	17.1	7.3	13.5	11	11	4.6

Note)  $\phi D$ : Max. diameter

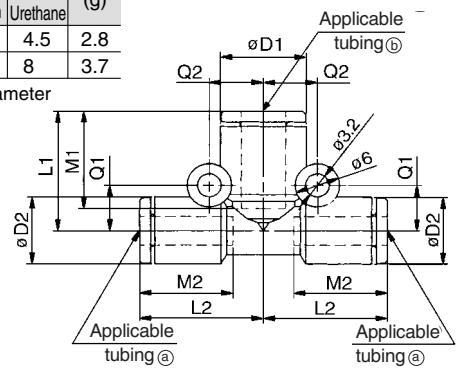


## Different Diameter Tee: KJT



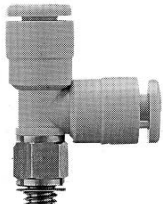
Applicable tubing O.D. (mm)		Model	Note) $\phi D1$	Note) $\phi D2$	L1	L2	Q1	Q2	M1	M2	Effective area (mm <sup>2</sup> )		Weight (g)
a	b										Nylon	Urethane	
3.2	4	<b>KJT23-04</b>	9.3	8.4	15.3	15.8	5.8	6.3	12.7	12.7	4.5	4.5	2.8
4	6	<b>KJT04-06</b>	11.6	9.3	16.6	16.8	6.3	7.3	13.5	12.7	8	8	3.7

Note)  $\phi D1, \phi D2$ : Max. diameter

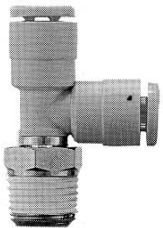


## Male Run Tee: KJY

<M3, M5>



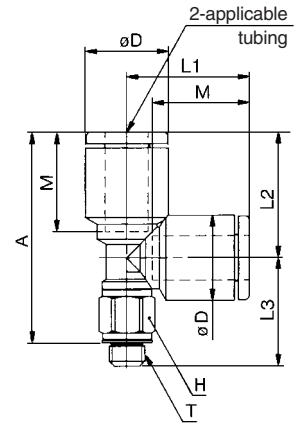
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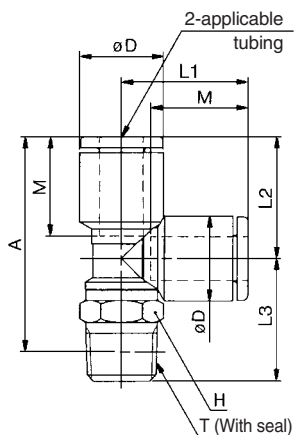
Applicable tubing O.D. (mm)	Connection thread T	Model	H (width across flats)	Note) $\phi D$	L1	L2	L3	A	M	Effective area (mm <sup>2</sup> )		Weight (g)
										Nylon	Urethane	
3.2	M3 x 0.5	<b>KJY23-M3</b>	7	8.4	15.4	14.8	12.5	24.7	12.7	0.9	0.9	2.8
	M5 x 0.8	<b>KJY23-M5</b>								3.2	2.7	7.4
	R 1/8	<b>KJY23-01S</b>								15.2	26*	
4	M3 x 0.5	<b>KJY04-M3</b>	7	9.3	15.6	14.8	13	25.2	12.7	0.9	0.9	3.1
	M5 x 0.8	<b>KJY04-M5</b>								4.5	4.5	3.5
	R 1/8	<b>KJY04-01S</b>								15.7	26.5*	7.7
6	M5 x 0.8	<b>KJY06-M5</b>	7	11.6	17.1	17.1	14.7	28.7	13.5	4.5	4.5	4.5
	R 1/8	<b>KJY06-01S</b>								17.5	16.6	16.7

\* Reference dimensions after R thread installation.  
Note)  $\phi D$ : Max. diameter

<M3, M5>

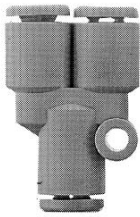


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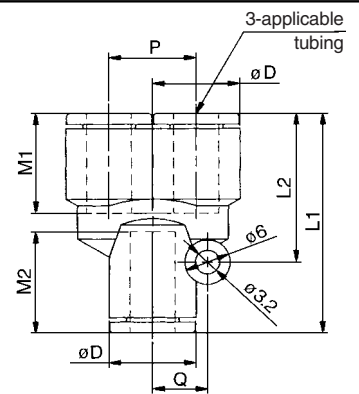
# Series KJ

## Union "Y": KJU

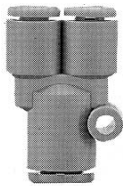


Applicable tubing O.D. (mm)	Model	Note) øD	L1	L2	P	Q	M1	M2	Effective area (mm <sup>2</sup> )		Weight (g)
									Nylon	Urethane	
3.2	<b>KJU23-00</b>	8.4	28.5	19	8.4	5.8	12.7	12.9	3.2	2.7	2.6
4	<b>KJU04-00</b>	9.3	27.9	18.3	9.3	6.3	12.7	12.9	4.5	4.5	3
6	<b>KJU06-00</b>	11.6	31.2	21.6	11.6	7.3	13.5	13.7	11	11	4.7

Note) øD: Max. diameter

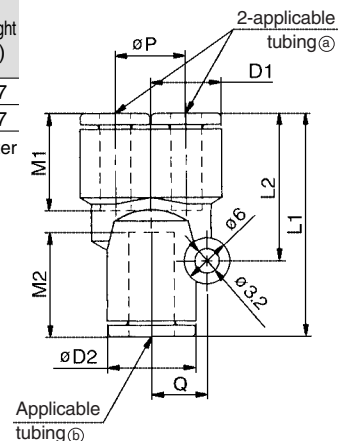


## Different Diameter Union "Y": KJU

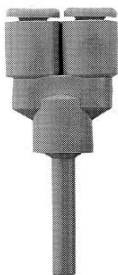


Applicable tubing O.D. (mm)		Model	Note) øD1	Note) øD2	L1	L2	P	Q	M1	M2	Effective area (mm <sup>2</sup> )		Weight (g)
a	b										Nylon	Urethane	
3.2	4	<b>KJU23-04</b>	8.4	9.3	27.5	18.3	8.4	6.3	12.7	12.9	4.5	4.5	2.7
4	6	<b>KJU04-06</b>	9.3	11.6	29.2	19.3	9.3	7.3	12.7	13.7	8	8	3.7

Note) øD1, øD2: Max. diameter

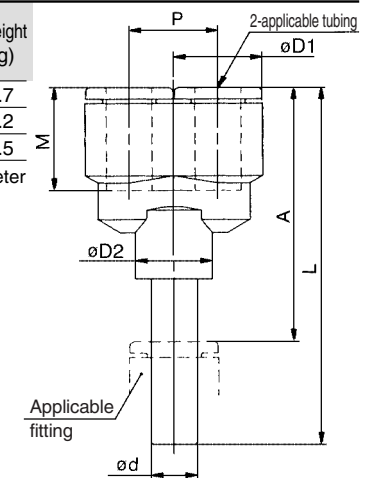


## Plug-in "Y": KJU

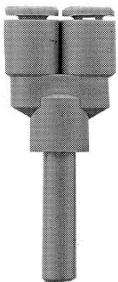


Applicable tubing O.D. (mm)	Applicable fitting size ød	Model	Note) øD1	øD2	L	P	A	M	Effective area (mm <sup>2</sup> )		Weight (g)
									Nylon	Urethane	
3.2	3.2	<b>KJU23-99</b>	8.4	10	43.5	8.4	34.1	12.7	3.2	2.7	2.7
4	4	<b>KJU04-99</b>	9.3	10	44.7	9.3	35.3	12.7	4.5	4.5	3.2
6	6	<b>KJU06-99</b>	11.6	10	47.8	11.6	37.6	13.5	11	11	4.5

Note) øD1: Max. diameter

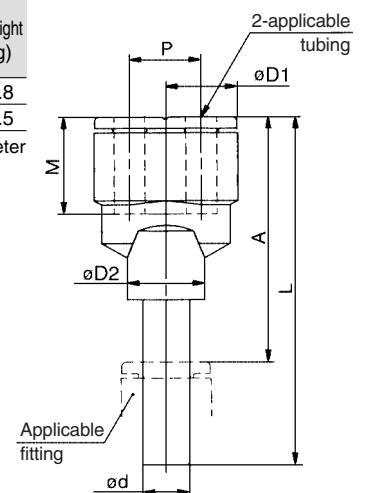


## Different Diameter Plug-in "Y": KJX



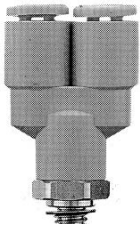
Applicable tubing O.D. (mm)	Applicable fitting size ød	Model	Note) øD1	øD2	L	P	A	M	Effective area (mm <sup>2</sup> )		Weight (g)
									Nylon	Urethane	
3.2	4	<b>KJX23-04</b>	8.4	10	44	8.4	34.6	12.7	4.5	4.5	2.8
4	6	<b>KJX04-06</b>	9.3	10	45.7	9.3	35.5	12.7	8	8	3.5

Note) øD1: Max. diameter

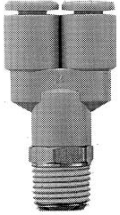


## Branch: KJU

<M5>



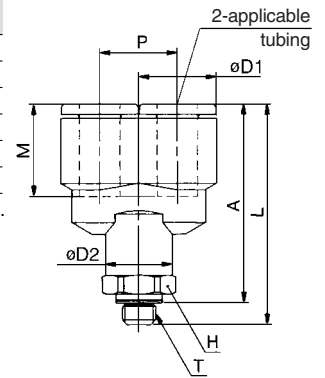
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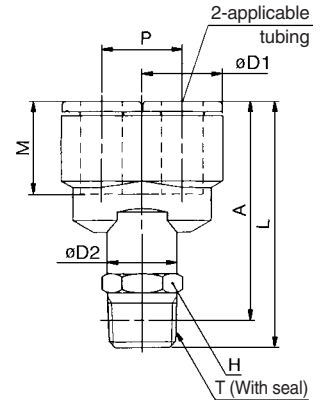
Applicable tubing O.D. (mm)	Connection thread T	Model	H (width across flats)	Note) øD1	øD2	L	P	A	M	Effective area (mm <sup>2</sup> )		Weight (g)
										Nylon	Urethane	
3.2	M5 x 0.8	<b>KJU23-M5</b>	10	8.4	10	30.6	8.4	27.5	12.7	2.2	2.2	5.9
	R 1/8	<b>KJU23-01S</b>								3.2	2.7	8.3
4	M5 x 0.8	<b>KJU04-M5</b>	10	9.3	10	31.3	9.3	28.2	12.7	2.2	2.2	6.4
	R 1/8	<b>KJU04-01S</b>								4.5	4.5	8.8
6	M5 x 0.8	<b>KJU06-M5</b>	10	11.6	10	33.4	11.6	30.3	13.5	2.2	2.2	7.4
	R 1/8	<b>KJU06-01S</b>								11	11	9.9

\* Reference dimensions after R thread installation.  
Note) øD: Max. diameter

<M5>



<R 1/8>



K□

M□

H□

D□

MS

T□

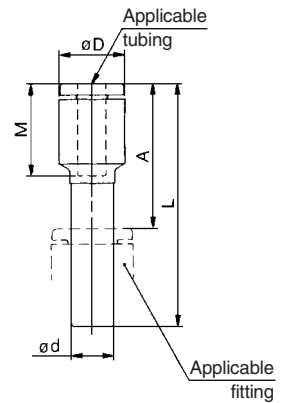
VMG

## Plug-in Reducer: KJR



Applicable tubing O.D. (mm)	Applicable fitting size ød	Model	Note) øD	L	A	M	Effective area (mm <sup>2</sup> )		Weight (g)
							Nylon	Urethane	
3.2	4	<b>KJR23-04</b>	8.4	32	19.3	12.7	3	2.5	0.9
	6	<b>KJR23-06</b>		33	19.5		1.1		
4	6	<b>KJR04-06</b>	9.3	33.5	20	12.7	4	4	1.3

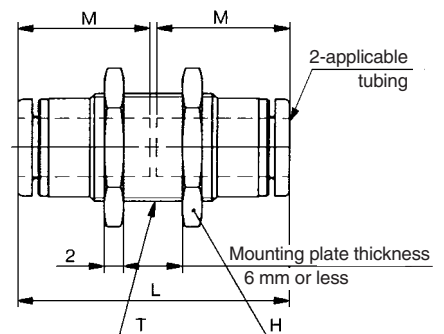
Note) øD: Max. diameter



## Bulkhead Union: KJE



Applicable tubing O.D. (mm)	Model	T	H (width across flats)	L	Mounting hole	M	Effective area (mm <sup>2</sup> )		Weight (g)
							Nylon	Urethane	
3.2	<b>KJE23-00</b>	M8 x 0.75	10	26	9	12.7	3	2.5	4.6
4	<b>KJE04-00</b>	M9 x 0.75	11	26	10	12.7	4	4	5.6
6	<b>KJE06-00</b>	M11 x 0.75	14	27.7	12	13.5	10	10	8.5





# One-touch Mini Series KJ

Applicable tubing O.D..  $\phi 2$   
 Connection thread: M3 x 0.5  
 M5 x 0.8



## Specifications

Applicable tubing material	Polyurethane
Applicable tubing O.D.	$\phi 2$
Fluid	Air, Water <sup>Note 1)</sup>
Maximum operating pressure	1 MPa <sup>Note 2)</sup>
Operating vacuum pressure	-100 kPa
Proof pressure	3 MPa
Ambient and fluid temperature	-5 to 60°C, For water: 0 to 40°C (No freezing)
Copper-free (Standard)	Brass parts are all electroless nickel plated.

Note 1) Applicable for general industrial water.

Note 2) Apply the maximum operating pressure to the tube during the tube connection.

## How to Order

**KJ H 02-M3**

Model ●

<b>H</b>	Male connector Straight union Different diameter straight
<b>S</b>	Hexagon socket head male connector
<b>L</b>	Male elbow
<b>W</b>	Extended male elbow
<b>T</b>	Male branch tee Union tee
<b>Y</b>	Male run tee Union "Y"
<b>U</b>	Different diameter union "Y"
<b>R</b>	Plug-in reducer
<b>E</b>	Bulkhead union

● Port size

<b>M3</b>	M3 x 0.5
<b>M5</b>	M5 x 0.8
<b>00</b>	Same diameter tubing
<b>23</b> <sup>Note 1)</sup>	$\phi 3.2$
<b>04</b> <sup>Note 1)</sup>	$\phi 4$

Note 1) Different diameter tubing O.D.

● Applicable tubing O.D.  $\phi 2$

\*) Plug: KJP-02

## Variation

Male connector  
KJH



Hexagon socket head male connector  
KJS



Straight union  
KJH



Different diameter straight  
KJH



Male elbow  
KJL



Extended male elbow  
KJW



Male branch tee  
KJT



Union tee  
KJT



Male run tee  
KJY



Union "Y"  
KJU



Different diameter union "Y"  
KJU



Plug-in reducer  
KJR



Bulkhead union  
KJE



Plug  
KJP

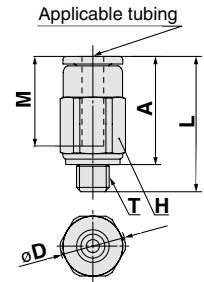


# Series KJ

## Male connector KJH



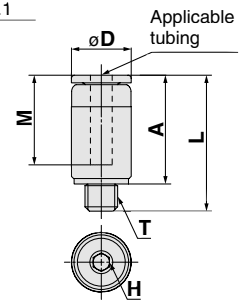
Applicable tubing O.D. (mm)	Model	T Connection thread	H (Width across flats)	øD	L	A	M	Effective area (mm <sup>2</sup> )	Weight (g)
2	KJH02-M3	M3 x 0.5	5.5	6	12.5	10	8.8	0.9	1.1
	KJH02-M5	M5 x 0.8	7	7.8	11.7	8.7	8.8	0.9	1.9



## Hexagon socket head male connector KJS



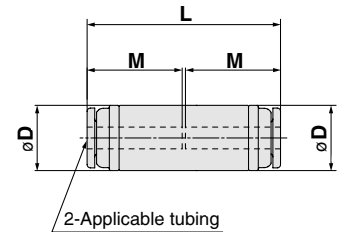
Applicable tubing O.D. (mm)	Model	T Connection thread	H (Width across flats)	øD	L	A	M	Effective area (mm <sup>2</sup> )	Weight (g)
2	KJS02-M3	M3 x 0.5	1.5	5.5	12.5	10	8.8	0.9	1.1



## Straight union KJH



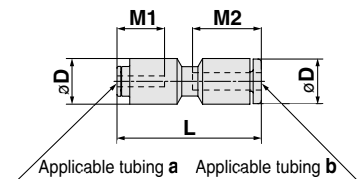
Applicable tubing O.D. (mm)	Model	øD1	L	M	Effective area (mm <sup>2</sup> )	Weight (g)
2	KJH02-00	6	17.8	8.8	0.8	1.0



## Different diameter straight: KJH



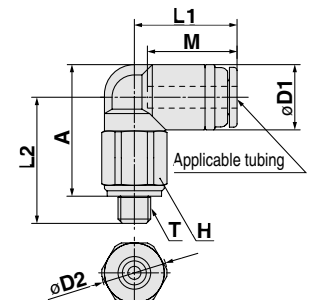
Applicable tubing O.D. (mm)		Model	øD	L	M1	M2	Effective area (mm <sup>2</sup> )	Weight (g)
a	b							
2	3.2	KJH02-23	8.4	26.6	8.8	12.7	0.9	2.4
	4	KJH02-04	9.3	26.6	8.8	12.7	0.9	3.2



## Male elbow KJL



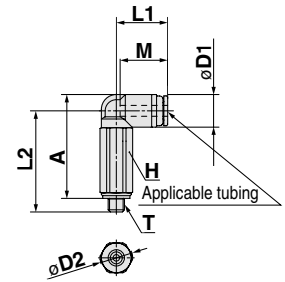
Applicable tubing O.D. (mm)	Model	T Connection thread	H (Width across flats)	øD1	øD2	L1	L2	A	M	Effective area (mm <sup>2</sup> )	Weight (g)
2	KJL02-M3	M3 x 0.5	5.5	6	6	9.5	11.6	12.1	8.8	0.8	1.4
	KJL02-M5	M5 x 0.8	7	6	7.8	9.5	12.1	12.1	8.8	0.8	2.4



## Extended male elbow KJW



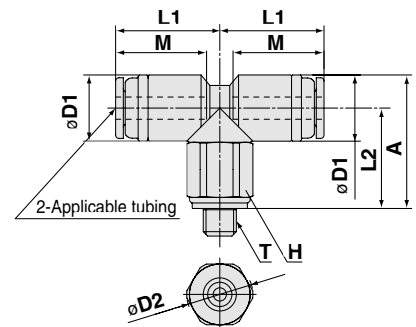
Applicable tubing O.D. (mm)	Model	T Connection thread	H (Width across flats)	$\phi D1$	$\phi D2$	L1	L2	A	M	Effective area (mm <sup>2</sup> )	Weight (g)
2	KJW02-M3	M3 x 0.5	5.5	6	6	9.5	18.6	19.1	8.8	0.8	2.6
	KJW02-M5	M5 x 0.8	7	6	7.8	9.5	19.1	19.1	8.8	0.8	4.5



## Male branch tee KJT



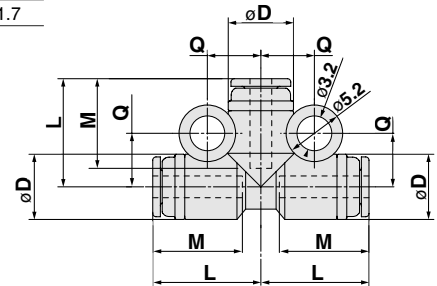
Applicable tubing O.D. (mm)	Model	T Connection thread	H (Width across flats)	$\phi D1$	$\phi D2$	L1	L2	A	M	Effective area (mm <sup>2</sup> )	Weight (g)
2	KJT02-M3	M3 x 0.5	5.5	6	6	9.5	11.6	12.1	8.8	1.1	1.8
	KJT02-M5	M5 x 0.8	7	6	7.8	9.5	12.1	12.1	8.8	1.1	2.8



## Union tee KJT



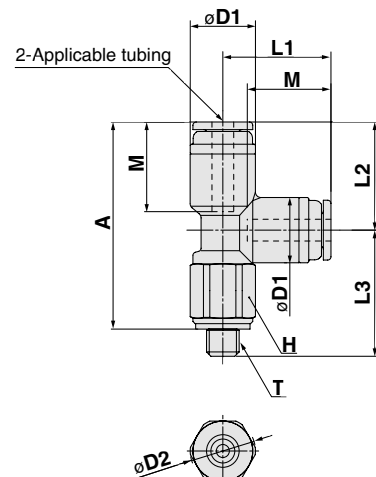
Applicable tubing O.D. (mm)	Model	$\phi D$	L	Q	M	Effective area (mm <sup>2</sup> )	Weight (g)
2	KJT02-00	6	10	4.9	8.8	0.9	1.7



## Male branch tee KJY



Applicable tubing O.D. (mm)	Model	T Connection thread	H (Width across flats)	$\phi D1$	$\phi D2$	L1	L2	L3	A	M	Effective area (mm <sup>2</sup> )	Weight (g)
2	KJY02-M3	M3 x 0.5	5.5	6	6	10	10	11.6	19.1	8.8	1.1	1.9
	KJY02-M5	M5 x 0.8	7	6	7.8	10	10	12.1	19.1	8.8	1.3	2.9

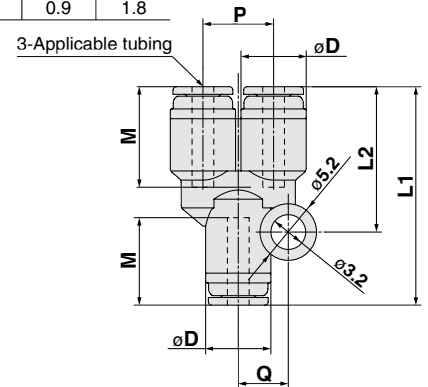


# Series KJ

## Union "Y" KJU



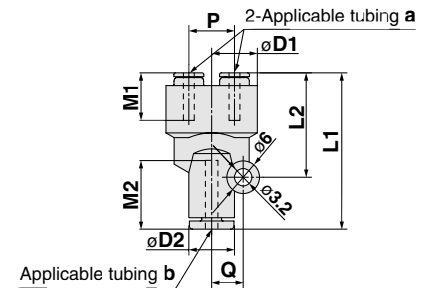
Applicable tubing O.D. (mm)	Model	øD	L1	L2	P	Q	M	Effective area (mm <sup>2</sup> )	Weight (g)
2	KJU02-00	6	20.1	13.4	6.5	4.6	8.8	0.9	1.8



## Different diameter union "Y" KJU



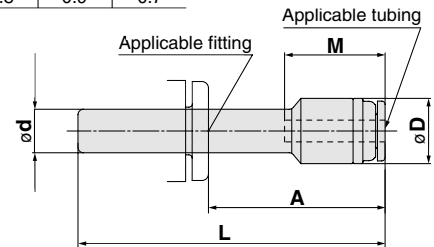
Applicable tubing O.D. (mm)		Model	øD1	øD2	L1	L2	P	Q	M1	M2	Effective area (mm <sup>2</sup> )	Weight (g)
a	b											
2	3.2	KJU02-23	6	6	28.8	19.2	8.4	5.8	8.8	12.7	1.5	4.7
	4	KJU02-04	6	7.8	28.2	18.5	9.3	6.3	8.8	12.7	1.6	6.0



## Plug-in reducer KJR



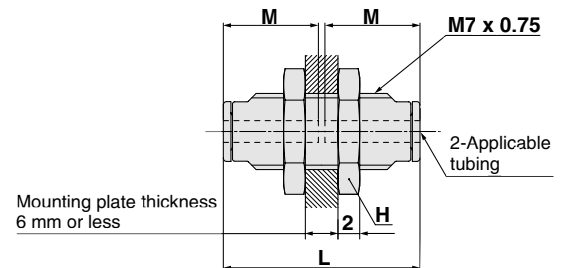
Applicable tubing O.D. (mm)	Model	Applicable fitting size ød	øD	L	A	M	Effective area (mm <sup>2</sup> )	Weight (g)
2	KJR02-04	4	6	28.3	15.6	8.8	0.9	0.7



## Bulkhead union KJE



Applicable tubing O.D. (mm)	Model	Connection thread	H (Width across flats)	L	Mounting hole	M	Effective area (mm <sup>2</sup> )	Weight (g)
2	KJE02-00	M7 x 0.75	9	18.1	8	8.8	0.8	3.7



## Plug KJP



Applicable tubing O.D. (mm) ød	Model	øD	L	A	Weight (g)
2	KJP-02	3	17	8.2	0.1

