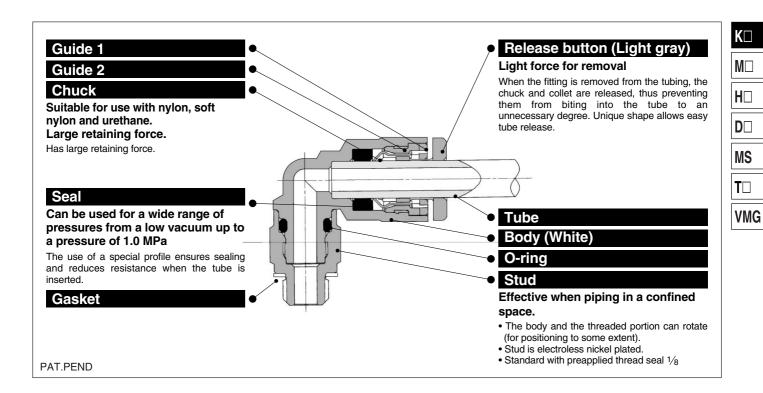
CAD

Miniature One-touch Fittings One-touch Mini Series KJ

Applicable Tubing: ø3.2, ø4, ø6 Connection Thread: M3, M5, R 1/8



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.	ø3.2, ø4, ø6				

Specifications

Fluid		Air/Water Note)				
Maximum operating	pressure	1.0 MPa				
Operating vacuum pr	essure	-100 kPa				
Proof pressure		3.0 MPa				
Ambient and fluid ten	nperature	-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 (Standar	rd)	With thread seal				
Copper-free (Standar	rd)	Brass parts are all electroless nickel plated.				

Note) Applicable for general industrial water. Please consult with SMC if using for other kinds of fluid.

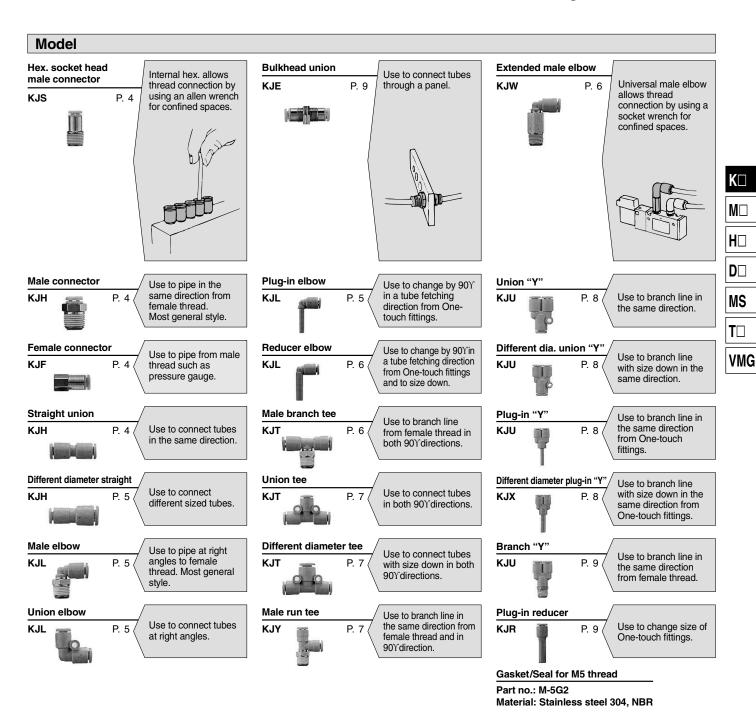
Also, the surge pressure must be under the maximum operating pressure.

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



Miniature One-touch Fittings Series KJ



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

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

Installation and Removal of One-touch Mini Fittings

⚠ Caution

Installing of tube

- 1. 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.)
- 2. Grasp the tube, then slowly push it until it comes to a stop.
- 3. Then, pull it back gently to make sure that it does not come out.

Removing of tube

(Use one hand for removal.)

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

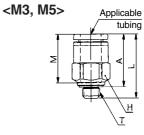


Series **KJ**

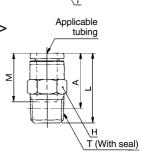
Male Connector: KJH

<m3, m5=""></m3,>
<r 1="" 8=""></r>

Applicable tubing O.D. (mm)	Connection thread T	Model	H (width across flats)	L	A	М	Effective area (mm²) Nylon Urethane		Weight (g)
,	M3 x 0.5	KJH23-M3		16.3	13.7		0.9	0.9	1.6
3.2	M5 x 0.8	KJH23-M5	7	16.7 13.6 12.1	12.7	_	2.5	2	
	R1/8	KJH23-01S	10		9.8*		3	2.5	4.7
	M3 x 0.5	KJH04-M3	8	16.3	13.7	12.7	0.9	0.9	1.9
4	M5 x 0.8	KJH04-M5	0	17	13.9		4	4	2.4
	R1/8	KJH04-01S	10	10 14.8 10.8*		4	4	4.6	
6	M5 x 0.8	KJH06-M5	10	17.8	14.7	13.5	4	4	3.3
0	R1/8	KJH06-01S	10	19.4	15.4*	10.5	10	10	5.2



* Reference dimensions after R thread installation. <R $^{1/8}>$



Hexagon Socket Head Male Connector: KJS



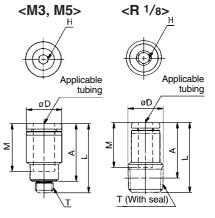






Applicable tubing O.D. (mm)	Connection thread T	Model	(width across flats)	Note) ØD	L	А	М	(mı	ve area m²) Urethane	Weight (g)
3.2	M3 x 0.5	KJS23-M3	1.5	_	16.3	13.7	12.7	1.4	1.4	1.3
3.2	M5 x 0.8	KJS23-M5	2	_ ′	19.7	16.6		2.5	2.5	2.8
	M3 x 0.5	KJS04-M3	1.5		16.3	13.7		1.4	1.4	1.6
4	M5 x 0.8	Model (width across flats) 0.5 KJS23-M3 1.5 0.8 KJS23-M5 2 0.5 KJS04-M3 1.5 0.8 KJS04-M5 2.5 6 KJS04-01S 3 9. 0.8 KJS06-M5 2.5	0	18.7	15.6	12.7	4	4	2.7	
	R 1/8	KJS04-01S	3	9.8	19.7	15.7*		4	4	5.4
6	M5 x 0.8	KJS06-M5	2.5	10	19.5	16.4	13.5	4	4	3.3
O	R 1/8	KJS06-01S	4		20	16*	13.5	10	10	5.2

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

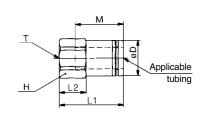


Female Connector: KJF



	Applicable tubing O.D. (mm)	Connection thread T	Model	H (width across flats)	Note) Ø D	L1	L2	М		re area m²) Urethane	Weight (g)
	3.2	M3 x 0.5	KJF23-M3		7	16.5	6.8	40.7	_	0.5	2.6
	3.2	M5 x 0.8	KJF23-M5	_ ′	/	18.8	7.9	12.7	3	2.5	2.8
	4	M3 x 0.5	KJF04-M3	8	0	16.1	6.4	12.7	4	4	3.2
4	M5 x 0.8	KJF04-M5	0	8	18.7	7.8	12.7	4	4	3.8	
	6	M5 x 0.8	KJF06-M5	10	10	18	7.5	13.5	10	10	5.3





Straight Union: KJH



	Applicable tubing O.D.	Model	Note) ØD	L	М	Effectiv (m	/e area m²)	Weight
l	(mm)					Nylon	Urethane	(g)
l	3.2	KJH23-00	8.4	26.3	12.7	3	2.5	1.4
	4	KJH04-00	9.3	26.3	12.7	4	4	1.7
	6	KJH06-00	11.6	28	13.5	10	10	2.5

