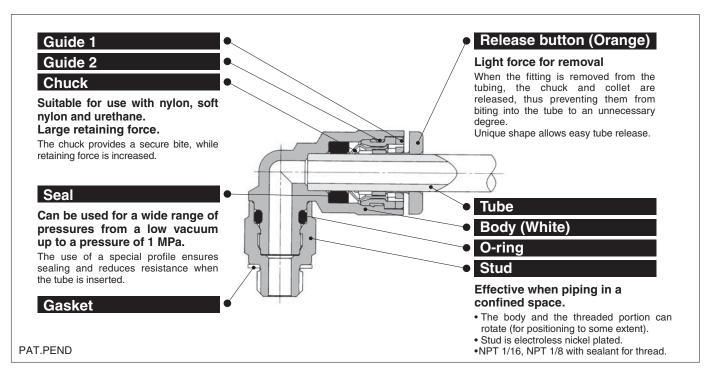
Inch-size Miniature One-touch Fittings Series KJ

Applicable Tubing: ø1/8", ø5/32", ø1/4"

Connection Thread: 10-32 UNF, NPT 1/16, NPT 1/8



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

Thread with sealant is standard.

Copper-free specifications (Electroless nickel plated)

Possible to use from vacuum –100 kPa





Applicable Tubing

Tubing material	FEP, PFA, Nylon, Soft nylon(1), Polyurethane			
Tubing O.D.	ø 1/8, ø 5/32, ø 1/4			



Note 1) Soft nylon tubing is not compatible with water.

Specifications

Fluid		Air/Water (2)		
Operating pressure range (3)		-100 kPa to 1 MPa		
Proof pressure		3 MPa		
Ambient and fluid to	emperature	-5 to 60°C (Water: 0 to 40°C) (No freezing)		
	Mounting section	ANSI/ASMEB1.20.1 (NTP thread),		
Thread	wounting section	JIS B0208 (UNF thread)		
	Nut section	JIS B0208 (UNF thread)		
Seal on the threads	(Standard)	With sealant		
Copper-free (Standard)		Brass parts are all electroless nickel plated.		
_				



Note 2) The surge pressure must be under the maximum operating pressure.

Note 3) Do not use the fittings with a leak tester or for vacuum retention because they are not guaranteed for zero leakage.

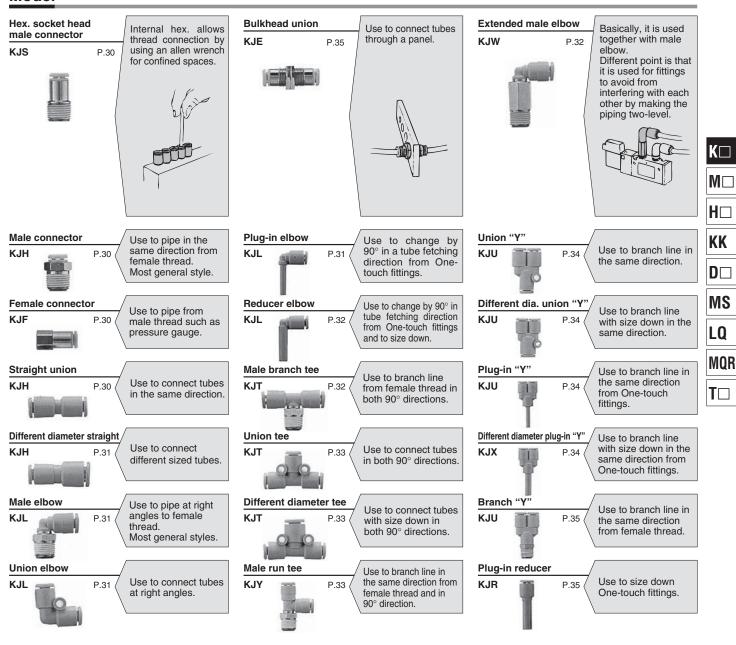
Principal Parts Material

Body	Stainless steel 303, C3604, PBT
Stud	C3604 (Thread portion)
Chuck, Guide 2	Stainless steel 304
Release button	POM
Seal, O-ring	NBR
Gasket	Stainless steel 304, NBR
Guide, Guide 1	PBT



Inch-size Miniature One-touch Fittings Series KJ

Model



⚠ Precautions

Be sure to read before handling.

Refer to front matters 58 and 59 for Safety Instructions and pages 13 to 16 for Fittings and Tubing Precautions.

 Please do not attach metal rods or metal pipes. Metal rods or pipes cannot be secured and the fittings will shoot out. Also, if tubes are attached after metal rods or pipes have been attached, the tubes will not hold and may come loose.

Installation and Removal of One-touch Mini Fittings

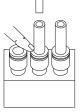
⚠ Caution

Installing of tube

- 1. Cut the tube perpendicularly, using caution not to damage its surface. (Use tube cutter "TK-1", "TK-2" or "TK-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

While pushing down on the rim of the release button, pull out the tube in the direction of the arrow. (See illustration.)
 The release button can also be pushed down with a flat-head screwdriver. However, be careful not to



- ever, be careful not to break or damage the release button.
- 2. To reuse the released tube, cut off the damaged portion of the tube.



Inch-size Miniature One-touch Fittings $\,$ Series $\,$ K $\,$ J $\,$

Branch "Y": KJU

<10-32 UNF>



Applicable tubing O.D. (inch)	Connection thread (T) UNF NPT	Model	H (Width across flats)		ø D2	L	Р	A *	М	Min. port size	Mass (g)		
	10-32UNF	KJU01-32				30.6		27.5		1.8	5.9		
1/8	1/16	KJU01-33S	11.11	8.4	10	34.1	8.4	30.1	12.7	2.5	8.1		
	1/8	KJU01-34S				33.2					8.3		
	10-32UNF	KJU03-32	11.11					31.3	28.2		1.8	6.4	
5/32	1/16	KJU03-33S		9.3	10	34.8	9.3	30.8	12.7	3.5	8.8		
	1/8	KJU03-34S				33.9		30.0			8.8		
	10-32UNF	KJU07-32				35.5		32.4		2.3	7.4		
1/4	1/16	KJU07-33S	11.11	12	10	39	12	12 35	13.6	3.5	10		
	1/8	KJU07-34S				38.1				4.6	10		

<UNF 10-32> 2 x applicable tubing øD1 H T

K□

 $\mathsf{M}\square$

 $H\Box$

KK

 $\mathsf{D}\Box$

MS

LQ

MQR

 $\mathsf{T}\Box$

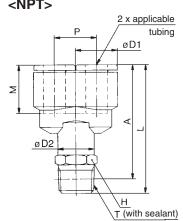
<NPT>



* Reference dimensions after NPT thread installation.

Note) øD1: Max. diameter



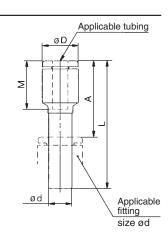


Plug-in Reducer: KJR



	Applicable tubing O.D. (inch)	Applicable fitting size ød (inch)	Model	Note) Ø D	L	A	М	Min. port size	Mass (g)
	1/	5/32	KJR01-03	0.4	32	19.3	12.7	2.5	0.9
1/8	1/4 KJR0	KJR01-07	8.4	33	19.4	12.7	2.5	1.2	
	5/32	'/4	KJR03-07	9.3	33.5	19.9	12.7	3	1.4

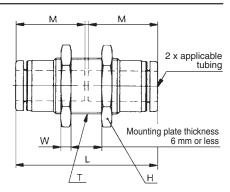
Note) øD: Max. diameter



Bulkhead Union: KJE



Applicable tubing O.D. (inch)	Model	throad (T)	H (Width across flats)		Mounting hole	М	w	Min. port size	Mass (g)	
1/8	KJE01-00	3/8 -24	12.7	26	10.5	12.7	0.0	2.5	0.1	
5/32	KJE03-00	3/8 -24	12.7	26	10.5	12.7	2.8	3	8.1	
1/4	KJE07-00	1/2 -20	15.88	27.8	14	13.6	3.5	4.6	15.7	



Series **KJ**

Made to Order Specifications Please contact SMC for detailed dimensions, specifications, and delivery.



1 Grease-free Specifications

Symbol	Specifications
X17	Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue
X39	Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue Clean (Copper-free, air blow, double package)
X94	Grease-free Rubber material: FKM (With fluorine coating) Release button color: Light blue

2 Other Specifications

Symbol	Specifications				
X12	Lubricant: White Vaseline Release button color: White				
X34	Rubber material: FKM				
X41	With fixed throttle Note)				

Note) Compatible with male connector and male elbow only Consult SMC separately for the available fixed throttle diameters.

Spare Parts

Description	Part no.	Applicable thread Material		Applicable model
Gasket	M-10/32G	10-32 UNF	Stainless steel 304, NBR	_
Dine nut	KJ01-P01	_	_	KJE01-00, KJE03-00
Pipe nut	KJ07-P01	_	_	KJE07-00

