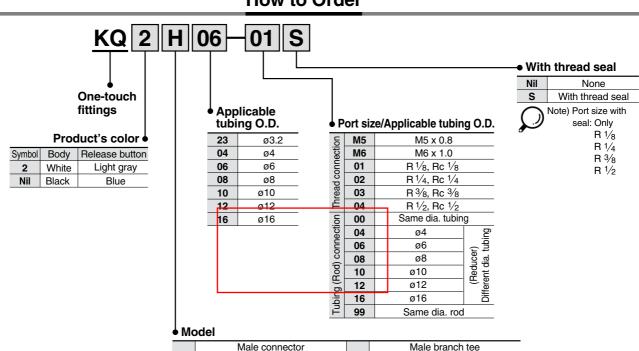


One-touch Fittings Series KQ2

Applicable Tubing: Metric Size Connection Thread: M, R, Rc

How to Order



	ouoi		
	Male connector		Male branch tee
н	Straight union	Т	Union tee
	Different diameter straight		Different diameter tee * Note)
S	Hex. socket head male connector	TW	Cross*
F	Female connector	TX	Different diameter cross*
	Male elbow	TY	Different diameter cross*
L	Union elbow	Υ	Male run tee
	Plug-in elbow	D	Male delta union
	Reducer elbow	ט	Delta union
LU	Male branch connector		Branch
LU	Branch union elbow	U	Union "Y"
K	45° male elbow	U	Different dia. union "Y"
٧	Universal male elbow		Plug-in "Y"
VS	Hexagon socket head universal male elbow	UD	Delta branch
VF	Universal female elbow	OD	Different dia. double union "Y"
LF	Female elbow	XD	Double plug-in "Y"
VD	Double universal male elbow	X	Different diameter plug-in "Y"
VT	Triple universal male elbow	R	Plug-in reducer
Z	Branch universal male elbow	Е	Bulkhead union
ZF	Branch universal female elbow	_	Bulkhead connector
ZD	Double branch universal male elbow	LE	Bulkhead male elbow
ZT	Triple branch universal male elbow		
w	Extended plug-in elbow		

Accessory

 Symbol
 Name

 Nipple

 KQ2N
 Reducer nipple

 Adaptor

 KQ2C
 Tube cap

 KQ2C
 Color cap

 KQ2P
 Plug (White)

 KQP
 Plug (Blue)

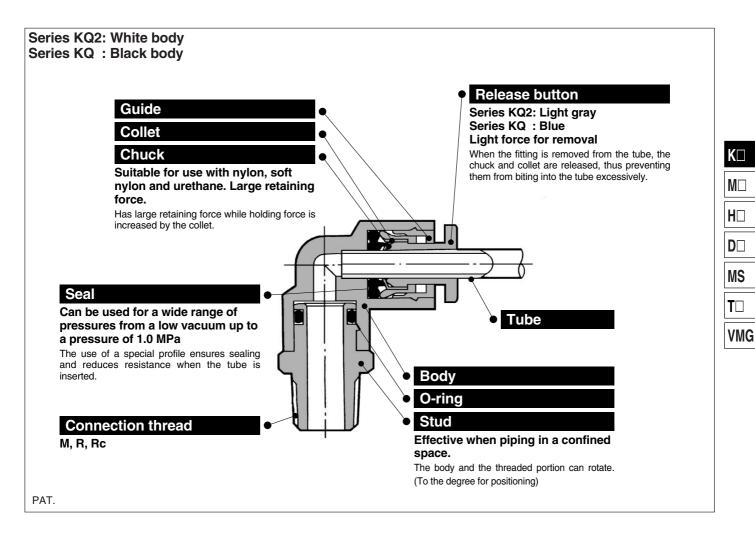
Use the below part number to order the gasket for M5 and M6 threads. Gasket for M5 thread: M-5G2 Gasket for M6 thread: M-6G

* Available only for white color body.

W

Note) KQT06-04, KQT08-06, KQT10-08, and KQT12-10 are available as made to order.

Extended male elbow



One-touch IN/OUT connection. Applicable Tubing Possible to use in vacuum to -100 kPa

- Applications for metric size tubing
- Applicable tubing material-Nylon, Soft nylon, **Polyurethane**



Tubing material	Nylon, Soft nylon, Polyurethane
Tubing O.D.	ø3.2, ø4, ø6, ø8, ø10, ø12, ø16

Product's Color

Series	Body	Release button
Series KQ2	White	Light gray
Series KQ	Black	Blue

Specifications

opecinications										
Fluid		Air/Water Note)								
Maximum operatin	g pressure	1.0 MPa								
Operating vacuum	pressure	−100 kPa								
Proof pressure		3.0 MPa								
Ambient and fluid t	emperature	-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)								
Seal (Thread portion	on)	With seal or none								
<u> </u>										

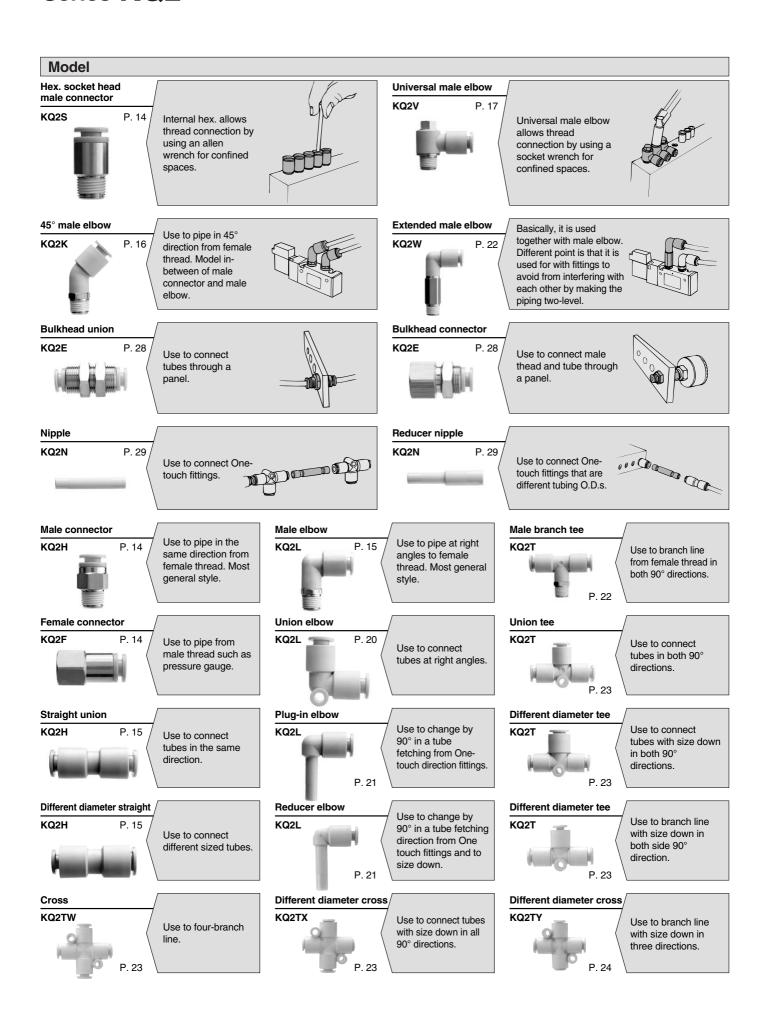
Note) Applicable for general industrial water. Please consult with SMC if using for other kinds of fluid. Also, the surge pressure must be under the maximum operating pressure.

Principal Parts Material

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



Series KQ2



One-touch Fittings Series KQ2

Union Tee: KQ2T



Applicable tubing O.D. (mm)	Model	øD ⁽¹⁾	L	Q	М		re area ⁽²⁾ im²) Urethane	Weight (g)
(111111)						INVIOL	Oremane	
3.2	KQ2T23-00	9.6	17.5	4.3	15.5	3.4	2.9	5
4	KQ2T04-00	10.4	18	4.5	16	6.4	4.4	7
6	KQ2T06-00	12.8	20	5.3	17	13.4	10.6	10
8	KQ2T08-00	15.2	23	6	18.5	25.6	17.7	15
10	KQ2T10-00	18.5	26.5	6.8	21	40	28.4	25
12	KQ2T12-00	20.9	28.5	7.5	22	57.4	45.4	29
16	KQ2T16-00	26.5	34	10	25	100	(84)	40

øD 3-applicable tubing

 $\mathsf{K}\square$

 $\mathsf{M}\square$

 $H\square$

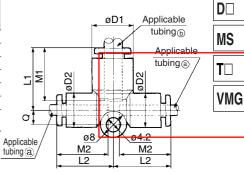
Note 1) øD: Max. diameter Note 2) (): Valves for soft nylon.

Different Diameter Tee: KQ2T



Applicable tubing O.D. (mm)	Model	øD1 øD2		L1	L2	Q	Q M1	M2	Effective area (2) (mm²)		Weight		
	a	(b)									Nylon	Urethane	(g)
	3.2	4	KQ2T23-04	10.4	9.6	18	17.5	4.3	16	15.5	3.8	3.5	5
	4	6	KQ2T04-06	12.8	10.4	19.5	18	4.5	17	16	7.1	6.5	5
	6	8	KQ2T06-08	15.2	12.8	22.5	20	5.3	18.5	17	16.4	16.4	8
	8	10	KQ2T08-10	18.5	15.2	26.5	23	6	21	18.5	36	27.2	14
	10	12	KQ2T10-12	20.9	18.5	28.5	26.5	6.8	22	21	56	44.5	21
	12	16	KQ2T12-16	26.5	26.5	34	39	10	25	22	108.5	(92.2)	88

Note 1) øD1: Max. diameter Note 2) (): Values for soft nylon.

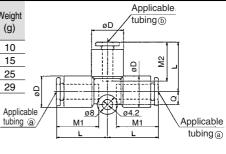


Different Diameter Tee: KQ2T



Applicab O.D.	le tubing (mm)	Model	Note) Ø D	L	Q	M1	M2	Effective area (mm²)		Weight
a	b							Nylon	Urethane	(g)
6	4	KQ2T06-04	12.8	20	5.3	17	16	6.4	4.4	10
8	6	KQ2T08-06	15.2	23	6	18.5	17	13.4	10.6	15
10	8	KQ2T10-08	18.5	26.5	7.5	21	18.5	25.6	17.7	25
12	10	KQ2T12-10	20.9	28.5	7.5	22	21	40	28.4	29

Note) øD: Max. diameter

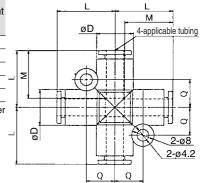


Cross: KQ2TW



Applicable tubing O.D.	Model	øD L		Q	М	Effective (m	Weight		
(mm)						Nylon	Urethane	(g)	
4	KQ2TW04-00	10.4	18	8.7	16	6.4	4.4	9	
6	KQ2TW06-00	12.8	20	9.9	17	13.4	10.6	13	
8	KQ2TW08-00	15.2	23	11.1	18.5	25.6	17.7	20	
10	KQ2TW10-00	18.5	26.5	12.8	21	40	28.4	33	-
12	KQ2TW12-00	20.9	28.5	13.9	22	57.4	45.4	39	

Note) øD: Max. diameter



Different Diameter Cross: KQ2TX



Applicable tubing O.D. (mm)		(mm)	Model	øD L		Q	M1	M2	Effective area (mm²)		Weight (g)	
	a	b							INVION	Urethane	,	
	6	8	KQ2TX06-08	15.2	23	11.1	18.5	17	13.4	10.6	13	
	8	10	KQ2TX08-10	18.5	26.5	12.8	21	18.5	25.6	17.7	27	
	10	12	KQ2TX10-12	20.9	28.5	13.9	22	21	40	28.4	36	-

Note) øD: Max. diameter

