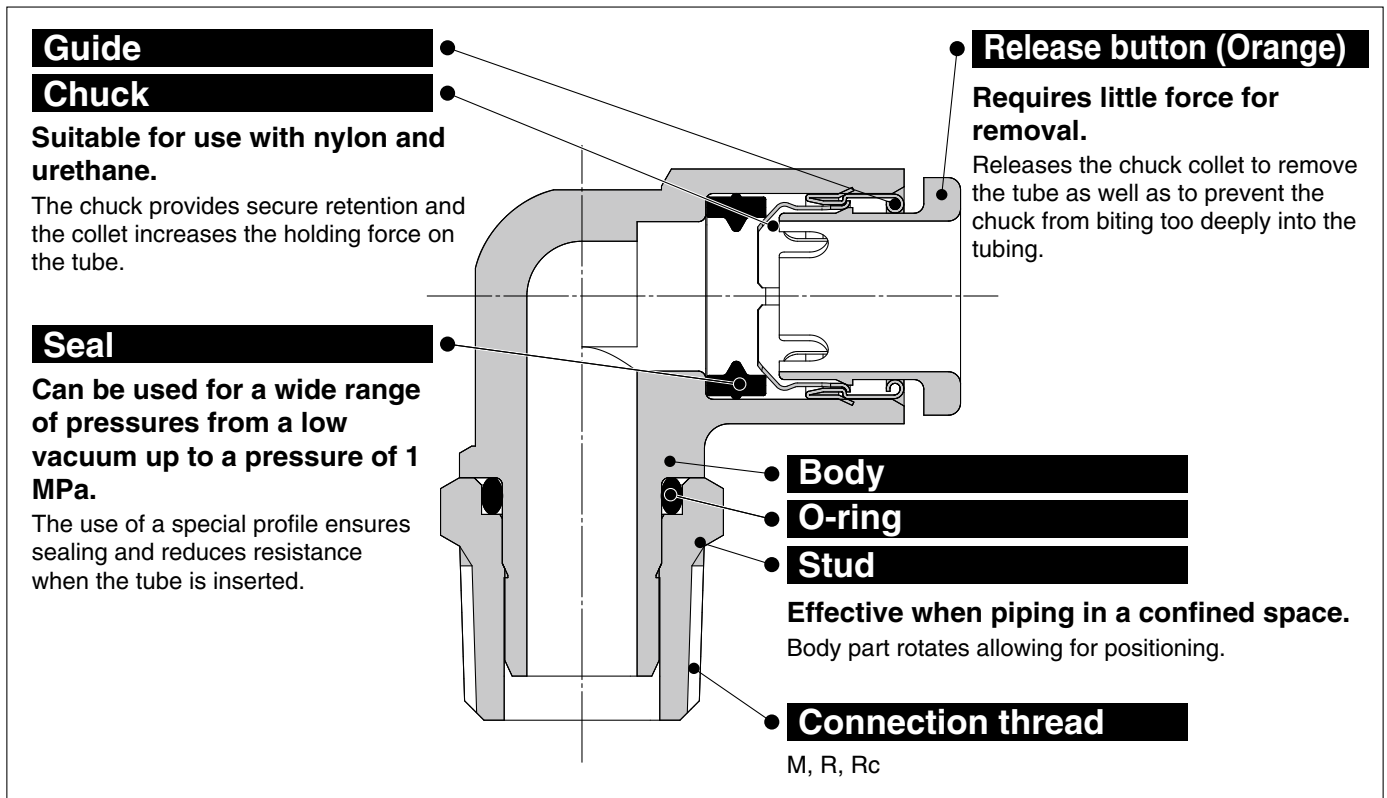


# Inch Size One-touch Fittings

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

## KQ2 Series



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



**Made to Order**  
(Refer to page 163 for details.)

### Applicable Tubing

Tubing material	FEP, PFA, Nylon, Soft nylon, Polyurethane
Tubing O.D.	ø1/8", ø3/16", ø1/4", ø5/16", ø3/8", ø1/2"

### Specifications

<b>Fluid</b>		Air, Water*1
<b>Operating pressure range*2</b>		-100 kPa to 1 MPa
<b>Proof pressure (at 23°C)</b>		3 MPa
<b>Ambient and fluid temperature</b>		-5 to 60°C, Water: 0 to 40°C (No freezing)
<b>Thread</b>	<b>Mounting section</b>	JIS B0203 (Taper thread for piping) JIS B0205 (Metric coarse thread)
	<b>Nut section</b>	JIS B0205 (Metric fine thread)
<b>Seal on the threads</b>		With sealant

\*1 The surge pressure must be under the maximum operating pressure.

\*2 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	C3604, PBT, PP
Stud	C3604 (Thread portion)
Chuck	Stainless steel 304
Guide	Stainless steel 304
Release button	POM
Seal, O-ring	NBR
Gasket	Stainless steel 304, NBR

## How to Order

### Threaded Type

**KQ2 H 05 - 01 A S**

#### One-touch Fittings

#### Model

Symbol	Model
<b>H</b>	Male connector
<b>L</b>	Male elbow
<b>T</b>	Male branch tee
<b>W</b>	Extended male elbow
<b>Y</b>	Male run tee
<b>U</b>	Branch "Y"
<b>E</b>	Bulkhead union
	Bulkhead connector

#### Applicable tubing O.D.

Symbol	Size
<b>01</b>	ø1/8"
<b>05</b>	ø3/16"
<b>07</b>	ø1/4"
<b>09</b>	ø5/16"
<b>11</b>	ø3/8"
<b>13</b>	ø1/2"

For details on applicable tubing O.D. and port size combinations for each model, refer to the charts on the Dimensions page.

#### Male thread seal method

Symbol	Seal method
<b>Nil</b>	None
<b>S</b>	With thread sealant

#### Thread material/Surface treatment

Symbol	Thread material/Surface treatment
<b>A</b>	Brass
<b>N</b>	Brass + Electroless nickel plating
Bulkhead union	<b>M</b> □ Only for "Bulkhead union"

\* □: A, N

#### Port size

Symbol	Size
<b>M5</b>	M5 x 0.8
<b>01</b>	1/8
<b>02</b>	1/4
<b>03</b>	3/8
<b>04</b>	1/2
<b>00</b> *1	Same diameter tubing

\*1 Only for "Bulkhead union".

#### Spare Parts

Use the part number below to order the gasket for M5 thread.  
Gasket for M5 thread: M-5G2

Round Type



Metric Size M, R, Rc

Sealant/Gasket Seal

Inch Size UNF, NPT

Inch Size M, R, Rc

Metric Size G

Face Seal

Metric Size R, Rc

Inch Size NPT

Inch Size R

Gasket Seal

Metric Size Uni

Inch Size Uni

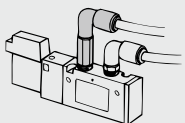
# Inch Size One-touch Fittings

## Round Type Variations

**Extended male elbow**  
KQ2W P.161



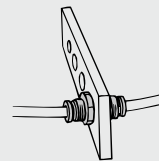
Basically, it is used together with a male elbow. Its extended height allows for multi-leveled piping and prevents interference among fittings.



**Bulkhead union**  
KQ2E P.162



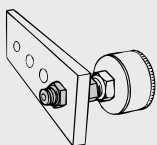
Use to connect tubing through a panel, etc.



**Bulkhead connector**  
KQ2E P.162



Use to connect a male thread and tubing through a panel, etc.



**Male connector**  
KQ2H P.160



Use to pipe a female thread in the same direction. Most general model.

**Male branch tee**  
KQ2T P.161



Use to branch a female thread at both 90° angles.

**Branch "Y"**  
KQ2U P.162



Use to branch a female thread in the same direction.

**Male elbow**  
KQ2L P.160



Use to pipe a female thread at right angles. Most general model.

**Male run tee**  
KQ2Y P.161



Use to branch a female thread in the same direction and at a 90° angle.

Tubing   One-touch fittings  
Plug-in reducer/Plug-in elbow etc.

Tubing   Tubing  
Union elbow/Union tee/Straight union etc.

Accessory  
Nipple/Plug etc.

Refer to page 135 and after for details.

# Inch Size One-touch Fittings **KQ2 Series**

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

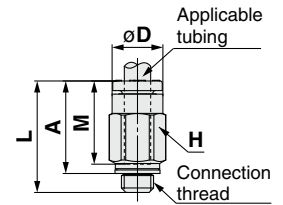
## Dimensions

### Male Connector: KQ2H (Gasket seal)



Applicable tubing O.D. [inch]	Connection thread M	Model	H (Width across flats)	øD	L	A	M	Effective area [mm <sup>2</sup> ]		Min. port size	Weight [g]
								Nylon	Urethane		
ø1/8	M5 x 0.8	KQ2H01-M5□	7	6.7	17.3	14.3	13.3	3.0	2.5	2.5	2.7
ø3/16	M5 x 0.8	KQ2H05-M5□	10	8.3	17.6	14.6	13.3	4.0	4.0	2.5	4.6
ø1/4	M5 x 0.8	KQ2H07-M5□	11	10.9	18.4	15.4	13.3	4.0	4.0	2.5	6.5

□: A (Brass), N (Brass + Electroless nickel plating)



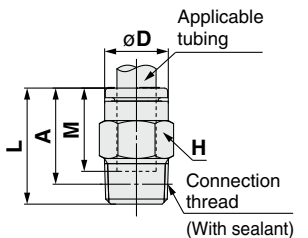
### Male Connector: KQ2H (Sealant)



Applicable tubing O.D. [inch]	Connection thread R	Model	H (Width across flats)	øD	L	A*1	M	Effective area [mm <sup>2</sup> ]		Min. port size	Weight [g]
								Nylon	Urethane		
ø1/8	1/8	KQ2H01-01□S	10	6.7	14	10.9	13.3	3.4	2.9	2.5	6
	1/4	KQ2H01-02□S	14	6.7	16.7	12	13.3	3.4	2.9	2.5	15.3
ø3/16	1/8	KQ2H05-01□S	10	8.3	17.9	14.8	13.3	7.8	6.5	3.5	6.4
	1/4	KQ2H05-02□S	14	8.3	16.7	12	13.3	7.8	6.5	3.5	13.9
ø1/4	1/8	KQ2H07-01□S	12	10.9	18.2	15.1	13.3	13.5	11.5	4.6	7.1
	1/4	KQ2H07-02□S	14	10.9	16.7	12	13.3	13.5	11.5	4.6	12.1
	3/8	KQ2H07-03□S	17	10.9	18.1	13	13.3	13.5	11.5	4.6	24
ø5/16	1/8	KQ2H09-01□S	14	13	22.5	19.4	14.2	26.1	18	6	11.9
	1/4	KQ2H09-02□S	14	13	22	17.3	14.2	26.1	18	6	13.9
	3/8	KQ2H09-03□S	17	13	18.1	13	14.2	26.1	18	6	21
ø3/8	1/4	KQ2H11-02□S	17	15.1	26.9	22.2	15.6	35.3	29.1	7	22.5
	3/8	KQ2H11-03□S	17	15.1	23.2	18.1	15.6	35.3	29.1	7	22.9
	1/2	KQ2H11-04□S	22	15.1	22.3	15.9	15.6	35.3	29.1	7	45.9
ø1/2	1/4	KQ2H13-02□S	19	19	28.7	24	17	58.5	51.7	9	23.3
	3/8	KQ2H13-03□S	19	19	27.2	22.1	17	66.0	51.7	9.6	26.2
	1/2	KQ2H13-04□S	22	19	22.3	15.9	17	66.0	51.7	9.6	35.4

□: A (Brass), N (Brass + Electroless nickel plating)

\*1 Reference dimensions after installation of R thread



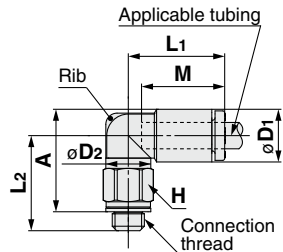
### Male Elbow: KQ2L (Gasket seal)



Applicable tubing O.D. [inch]	Connection thread M	Model	H (Width across flats)	øD1*1	øD2	L1	L2	A	M	Effective area [mm <sup>2</sup> ]		Min. port size	Weight [g]	With a rib
										Nylon	Urethane			
ø1/8	M5 x 0.8	KQ2L01-M5□	7	7.1	7	15.3	14.3	14.9	13.3	2.6	2.2	2.5	3.1	●
ø1/4	M5 x 0.8	KQ2L07-M5□	7	11.1	7	15.4	16.1	18.7	13.3	3.5	3.5	2.5	3.6	●

□: A (Brass), N (Brass + Electroless nickel plating)

\*1 øD1 is maximum diameter.



### Male Elbow: KQ2L (Sealant)



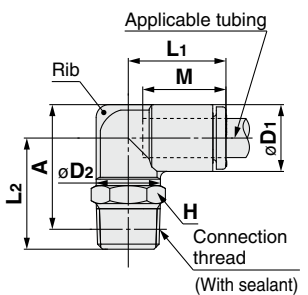
Applicable tubing O.D. [inch]	Connection thread R	Model	H (Width across flats)	øD1*1	øD2	L1	L2	A*2	M	Effective area [mm <sup>2</sup> ]		Min. port size	Weight [g]	With a rib
										Nylon	Urethane			
ø3/16	1/8	KQ2L05-01□S	10	9.1	10	15	16.7	18.2	13.3	6.8	5.6	3.5	5	—
	1/4	KQ2L05-02□S	14	9.1	10	15	22.2	22.1	13.3	6.8	5.6	3.5	14.5	—
ø1/4	1/8	KQ2L07-01□S	10	11.1	10	15.6	17.7	20.2	13.3	11.3	10	4.5	5.3	●
	1/4	KQ2L07-02□S	14	11.1	10	15.6	23.2	24.1	13.3	11.3	10	4.5	14.8	●
	3/8	KQ2L07-03□S	17	11.1	10	15.6	24.5	25.0	13.3	11.3	10	4.5	26.5	●
ø5/16	1/8	KQ2L09-01□S	10	13.2	10	16.4	18.7	22.2	14.2	11.4	11.4	4.5	6.1	●
		KQ2L09-01□S*	12	13.2	12	17.2	23.5	27.0	14.2	21.6	14.9	6	9.3	●
	1/4	KQ2L09-02□S	14	13.2	12	17.2	25.4	27.3	14.2	21.6	14.9	6	17.7	●
ø3/8	3/8	KQ2L09-03□S	17	13.2	12	17.2	25.5	27.0	14.2	21.6	14.9	6	24.7	●
	1/4	KQ2L11-02□S	17	15.4	17	19.3	28.5	31.5	15.6	28.8	23.8	7.5	21.5	●
	3/8	KQ2L11-03□S	17	15.4	17	19.3	29.4	32.0	15.6	28.8	23.8	7.5	22	●
ø1/2	1/2	KQ2L11-04□S	22	15.4	17	19.3	33.4	34.7	15.6	28.8	23.8	7.5	44.4	●
	1/4	KQ2L13-02□S	17	19.3	17	21.5	30.4	35.3	17	50.3	44.4	9	23.8	—
	3/8	KQ2L13-03□S	17	19.3	17	21.8	28.5	33.0	17	56.7	44.4	9.5	23.2	—
	1/2	KQ2L13-04□S	22	19.3	17	21.8	30.5	33.7	17	56.7	44.4	9.5	44.6	—

□: A (Brass), N (Brass + Electroless nickel plating)

\*1 øD1 is maximum diameter.

\*2 Reference dimensions after installation of R thread

\*3 For details, refer to page 163.



Round Type

Metric Size M, R, Rc

Sealant/Gasket Seal

Inch Size UNF, NPT

Inch Size M, R, Rc

Metric Size G

Metric Size R, Rc

Face Seal

Inch Size NPT

Inch Size R

Gasket Seal

Metric Size Uni

Inch Size Uni

# KQ2 Series

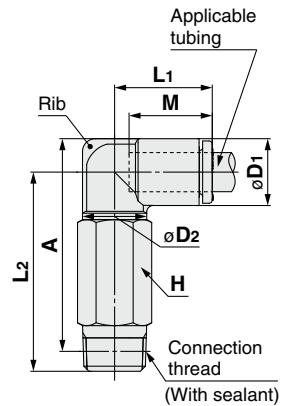
Applicable Tubing: Inch Size, Connection Thread: M, R, Rc

## Dimensions

### Extended Male Elbow: KQ2W (Sealant)



Applicable tubing O.D. [inch]	Connection thread R	Model	H (Width across flats)	*1 $\phi D_1$	$\phi D_2$	L <sub>1</sub>	L <sub>2</sub>	A*2	M	Effective area [mm <sup>2</sup> ]		Min. port size	Weight [g]	With a rib
										Nylon	Urethane			
$\phi 3/16$	1/8	KQ2W05-01□S	10	9.1	10	15	30.4	31.8	13.3	6.8	5.6	3.5	11.2	—
	1/4	KQ2W05-02□S	14	9.1	10	15	33.8	33.7	13.3	6.8	5.6	3.5	27.7	—
$\phi 1/4$	1/8	KQ2W07-01□S	10	11.1	10	15.6	31.4	33.8	13.3	11.6	10.0	4.5	11.5	●
	1/4	KQ2W07-02□S	14	11.1	10	15.6	34.8	35.7	13.3	11.6	10.0	4.5	28	●
	3/8	KQ2W07-03□S	17	11.1	10	15.6	36.1	36.6	13.3	11.6	10.0	4.5	47.4	●
$\phi 5/16$	1/8	KQ2W09-01□S	10	13.2	10	16.4	32.4	35.9	14.2	11.6	11.6	4.5	12.2	●
	1/4	KQ2W09-02□S	14	13.2	12	17.2	42.4	45.9	14.2	21.5	14.9	6	23.7	●
	3/8	KQ2W09-03□S	17	13.2	12	17.2	39.2	40.7	14.2	21.5	14.9	6	47	●
$\phi 3/8$	1/4	KQ2W11-02□S	17	15.4	17	19.3	52.7	55.7	15.6	28.8	23.8	7	58.8	●
	3/8	KQ2W11-03□S	17	15.4	17	19.3	48.3	50.9	15.6	28.8	23.8	7	51.1	●
	1/2	KQ2W11-04□S	22	15.4	17	19.3	52.3	53.6	15.6	28.8	23.8	7	91.8	●
$\phi 1/2$	1/4	KQ2W13-02□S	17	19.3	17	21.5	54.6	59.6	17	56.7	44.4	9	61	—
	3/8	KQ2W13-03□S	17	19.3	17	21.8	48.2	52.8	17	56.7	44.4	9.5	48.4	—
	1/2	KQ2W13-04□S	22	19.3	17	21.8	50.2	53.5	17	56.7	44.4	9.5	92.3	—



□: A (Brass), N (Brass + Electroless nickel plating)

\*1  $\phi D_1$  is maximum diameter.

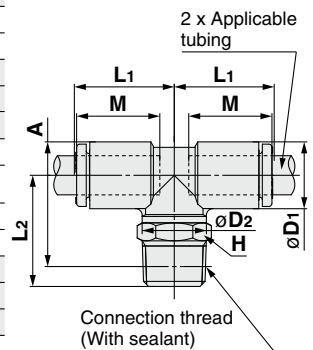
\*2 Reference dimensions after installation of R thread

\*3 For details, refer to page 163.

### Male Branch Tee: KQ2T (Sealant)



Applicable tubing O.D. [inch]	Connection thread R	Model	H (Width across flats)	*1 $\phi D_1$	$\phi D_2$	L <sub>1</sub>	L <sub>2</sub>	A*2	M	Effective area [mm <sup>2</sup> ]		Min. port size	Weight [g]
										Nylon	Urethane		
$\phi 3/16$	1/8	KQ2T05-01□S	10	9.1	10	15	16.7	18.1	13.3	8.4	7.0	3.5	5.8
	1/4	KQ2T05-02□S	14	9.1	10	15	22.2	22	13.3	8.4	7.0	3.5	15.3
$\phi 1/4$	1/8	KQ2T07-01□S	10	11.1	10	15.6	17.7	20.1	13.3	14.4	12.4	4.5	6.5
	1/4	KQ2T07-02□S	14	11.1	10	15.6	23.2	24	13.3	14.4	12.4	4.5	16
	3/8	KQ2T07-03□S	17	11.1	10	15.6	24.5	24.9	13.3	14.4	12.4	4.5	27.7
$\phi 5/16$	1/8	KQ2T09-01□S	10	13.2	10	16.4	18.7	22.2	14.2	14.4	14.4	4.5	7.9
	1/4	KQ2T09-02□S	14	13.2	12	17.2	23.5	27	14.2	26.3	18.2	6	11.0
	3/8	KQ2T09-03□S	17	13.2	12	17.2	25.5	27	14.2	26.3	18.2	6	26.5
$\phi 3/8$	1/4	KQ2T11-02□S	17	15.4	17	19.3	28.4	31.4	15.6	28.8	23.8	7.5	23.9
	3/8	KQ2T11-03□S	17	15.4	17	19.3	29.3	31.9	15.6	28.8	23.8	7.5	24.4
	1/2	KQ2T11-04□S	22	15.4	17	19.3	33.3	34.6	15.6	28.8	23.8	7.5	46.9
$\phi 1/2$	1/4	KQ2T13-02□S	17	19.3	17	21.5	30.3	35.3	17	57.3	50.6	9	27.9
	3/8	KQ2T13-03□S	17	19.3	17	21.8	28.4	33	17	63.8	50.6	9.5	27.4
	1/2	KQ2T13-04□S	22	19.3	17	21.8	30.4	33.7	17	63.8	50.6	9.5	48.8



□: A (Brass), N (Brass + Electroless nickel plating)

\*1  $\phi D_1$  is maximum diameter.

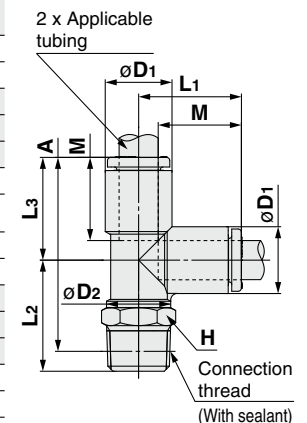
\*2 Reference dimensions after installation of R thread

\*3 For details, refer to page 163.

### Male Run Tee: KQ2Y (Sealant)



Applicable tubing O.D. [inch]	Connection thread R	Model	H (Width across flats)	*1 $\phi D_1$	$\phi D_2$	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	A*2	M	Effective area [mm <sup>2</sup> ]		Min. port size	Weight [g]
											Nylon	Urethane		
$\phi 3/16$	1/8	KQ2Y05-01□S	10	9.1	10	15.7	16.7	15.7	29.3	13.3	8.4	7.0	3.5	5.9
	1/4	KQ2Y05-02□S	14	9.1	10	15.7	22.2	15.7	33.2	13.3	8.4	7.0	3.5	15.4
$\phi 1/4$	1/8	KQ2Y07-01□S	10	11.1	10	16.5	17.7	16.5	31.1	13.3	14.0	12.4	4.5	6.5
	1/4	KQ2Y07-02□S	14	11.1	10	16.5	23.2	16.5	35	13.3	14.0	12.4	4.5	16
	3/8	KQ2Y07-03□S	17	11.1	10	16.5	24.5	16.5	35.9	13.3	14.0	12.4	4.5	27.7
$\phi 5/16$	1/8	KQ2Y09-01□S	10	13.2	10	18.2	18.7	18.2	33.8	14.2	14.0	14.0	4.5	8
	1/4	KQ2Y09-02□S	14	13.2	12	18.2	25.4	18.2	38.9	14.2	26.3	18.3	6	19.5
	3/8	KQ2Y09-03□S	17	13.2	12	18.2	25.5	18.2	38.6	14.2	26.3	18.3	6	26.5
$\phi 3/8$	1/4	KQ2Y11-02□S	17	15.4	17	20.4	28.4	20.4	44.1	15.6	28.8	23.8	7.5	24.1
	3/8	KQ2Y11-03□S	17	15.4	17	20.4	29.3	20.4	44.6	15.6	28.8	23.8	7.5	24.5
	1/2	KQ2Y11-04□S	22	15.4	17	20.4	33.3	20.4	47.3	15.6	28.8	23.8	7.5	47
$\phi 1/2$	1/4	KQ2Y13-02□S	17	19.3	17	23.4	30.3	23.4	49	17	57.3	50.6	9	28.3
	3/8	KQ2Y13-03□S	17	19.3	17	23.4	28.4	23.4	46.7	17	64.6	50.6	9.5	27.6
	1/2	KQ2Y13-04□S	22	19.3	17	23.4	30.4	23.4	47.4	17	64.6	50.6	9.5	49



□: A (Brass), N (Brass + Electroless nickel plating)

\*1  $\phi D_1$  is maximum diameter.

\*2 Reference dimensions after installation of R thread

\*3 For details, refer to page 163.

# Inch Size One-touch Fittings **KQ2 Series**

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

## Dimensions

### Branch "Y": KQ2U (Sealant)

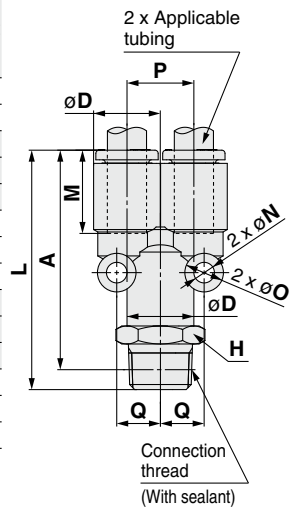


Applicable tubing O.D. [inch]	Connection thread R	Model	H (Width across flats)	*1 $\phi D$	L	P	A*2	M	Q	$\phi O$	$\phi N$	Effective area [mm <sup>2</sup> ]		Min. port size	Weight [g]
												Nylon	Urethane		
$\phi 3/16$	1/8	KQ2U05-01□S	12	9.1	37.1	9.1	34	13.3	6.2	6	3.2	8.4	7.0	3.5	10.3
	1/4	KQ2U05-02□S	14	9.1	41.5	9.1	36.8	13.3	6.2	6	3.2	8.4	7.0	3.5	19.5
$\phi 1/4$	1/8	KQ2U07-01□S	12	11.1	37.8	11.1	34.7	13.3	7.6	8	4	14.4	12.4	4.6	11.3
	1/4	KQ2U07-02□S	14	11.1	42.2	11.1	37.5	13.3	7.6	8	4	14.4	12.4	4.6	20.1
	3/8	KQ2U07-03□S	17	11.1	43.6	11.1	38.5	13.3	7.6	8	4	14.4	12.4	4.6	32
$\phi 5/16$	1/8	KQ2U09-01□S	14	13.2	40.7	13.2	37.6	14.2	8.7	8	4.2	26.3	18.3	6	15.8
	1/4	KQ2U09-02□S	14	13.2	45.1	13.2	40.4	14.2	8.7	8	4.2	26.3	18.3	6	20.9
	3/8	KQ2U09-03□S	17	13.2	46.5	13.2	41.4	14.2	8.7	8	4.2	26.3	18.3	6	32.7
$\phi 3/8$	1/4	KQ2U11-02□S	17	15.4	48.6	15.4	43.9	15.6	9.9	8	4.2	28.8	23.8	7	24.5
	3/8	KQ2U11-03□S	17	15.4	50	15.4	44.9	15.6	9.9	8	4.2	28.8	23.8	7	33.5
	1/2	KQ2U11-04□S	22	15.4	54.2	15.4	47.8	15.6	9.9	8	4.2	28.8	23.8	7	61.6
$\phi 1/2$	1/4	KQ2U13-02□S	21	19.3	53.4	19.3	48.7	17	11.8	8	4.2	57.3	50.6	9	40.4
	3/8	KQ2U13-03□S	21	19.3	54.8	19.3	49.7	17	11.8	8	4.2	64.6	50.6	9.6	43.9
	1/2	KQ2U13-04□S	22	19.3	59	19.3	52.6	17	11.8	8	4.2	64.6	50.6	9.6	61

□: A (Brass), N (Brass + Electroless nickel plating)

\*1  $\phi D$  is maximum diameter.

\*2 Reference dimensions after installation of R thread

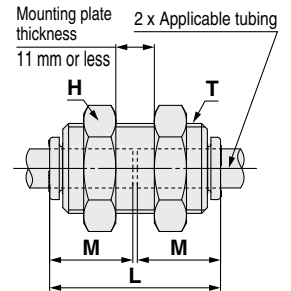


### Bulkhead Union: KQ2E

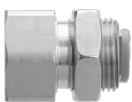


Applicable tubing O.D. [inch]	Model	T (M)	H (Width across flats)	L	Mounting hole	M	Effective area [mm <sup>2</sup> ]		Min. port size	Weight [g]
							Nylon	Urethane		
$\phi 3/16$	KQ2E05-00M□	M14 x 1	17	27.3	15	13.3	7.8	6.5	3.5	30.5
$\phi 1/4$	KQ2E07-00M□	M14 x 1	17	27.3	15	13.3	13.5	11.5	4.6	27.2
$\phi 5/16$	KQ2E09-00M□	M16 x 1	19	29.1	17	14.2	26.1	18	6	34
$\phi 3/8$	KQ2E11-00M□	M20 x 1	24	31.9	21	15.6	35.3	29.1	7	66.1
$\phi 1/2$	KQ2E13-00M□	M22 x 1	27	34.7	23	17	66.0	51.7	9.6	59.9

□: A (Brass), N (Brass + Electroless nickel plating)

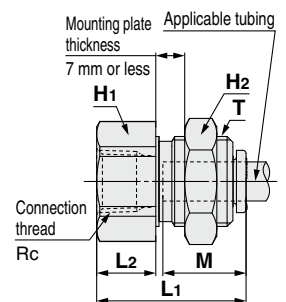


### Bulkhead Connector: KQ2E



Applicable tubing O.D. [inch]	Connection thread Rc	Model	T (M)	H1 (Width across flats)	H2 (Width across flats)	L1	L2	Mounting hole	M	Effective area [mm <sup>2</sup> ]		Min. port size	Weight [g]
										Nylon	Urethane		
$\phi 3/16$	1/8	KQ2E05-01□	M14 x 1	17	17	23.9	9.5	15	13.3	7.8	6.5	3.5	30.8
$\phi 1/4$	1/4	KQ2E07-02□	M14 x 1	17	17	28.4	14	15	13.3	13.5	11.5	4.6	32
$\phi 5/16$	3/8	KQ2E09-03□	M16 x 1	19	19	31.7	14.3	17	14.2	26.1	18	6	59.2
$\phi 3/8$	3/8	KQ2E11-03□	M20 x 1	22	24	31.5	12.1	21	15.6	35.3	29.1	7	62.7
$\phi 1/2$	3/8	KQ2E13-03□	M22 x 1	24	27	32.1	11.7	23	17	66.0	51.7	9.6	66.7
	1/2	KQ2E13-04□	M22 x 1	24	27	37.7	17.3	23	17	66.0	51.7	9.6	70.6

□: A (Brass), N (Brass + Electroless nickel plating)



Round Type

Metric Size M, R, Rc

Sealant/Gasket Seal

Inch Size UNF, NPT

Inch Size M, R, Rc

Metric Size G

Metric Size R, Rc

Face Seal

Inch Size NPT

Inch Size R

Gasket Seal

Metric Size Uni

Inch Size Uni

# KQ2 Series

# Made to Order/Clean Series/Spare Parts

Please contact SMC for detailed dimensions, specifications, and lead times.

## 1 Made to Order

Symbol	Specifications
<b>X12</b>	Lubricant: White vaseline Release button color: White
<b>X35</b> *1	Body color: Black Release button color: Orange
<b>X41</b>	With fixed orifice*2
<b>KQ2□09-01□Q□</b>	Effective area is interchangeable with the current product (KQ series). Applicable model: Male elbow Extended male elbow Male branch tee Male run tee Applicable tubing O.D./Port size: $\phi 5/16"/R1/8$ Thread material/Surface treatment: Brass, Brass + Electroless nickel plating Example) <b>KQ2L09-01AQS</b>

\*1 The following models are not available as made-to-order: Bulkhead union/KQ2E, Bulkhead connector/KQ2E, Male connector/KQ2H

\*2 Please contact SMC for availability.

The following made-to-order products will be provided based on previous models (KQ2 series). Please contact SMC separately.

Symbol	Specifications
<b>X17</b>	Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue
<b>X29</b>	Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue Copper-free (With electroless nickel plating)
<b>X34</b>	Rubber material: FKM
<b>X39</b>	Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue Clean (Copper-free, air blow, double packaging, resin body: white)
<b>X94</b>	Grease-free Rubber material: FKM (With fluorine coating) Release button color: Light blue

## 3 Spare Parts

Description	Part no.	Applicable thread
Gasket	<b>M-5G2</b>	M5

### Brass

Description	Part no.	Applicable model
Pipe nut	<b>KQ06-P01A</b>	KQ2E05-00MA, KQ2E07-00MA KQ2E05-01A, KQ2E07-02A
	<b>KQ08-P01A</b>	KQ2E09-00MA, KQ2E09-03A
	<b>KQ10-P01A</b>	KQ2E11-00MA, KQ2E11-03A
	<b>KQ12-P01A</b>	KQ2E13-00MA KQ2E13-03A, KQ2E13-04A

### Brass + Electroless nickel plating

Description	Part no.	Applicable model
Pipe nut	<b>KQ06-P01N</b>	KQ2E05-00MN, KQ2E07-00MN KQ2E05-01N, KQ2E07-02N
	<b>KQ08-P01N</b>	KQ2E09-00MN, KQ2E09-03N
	<b>KQ10-P01N</b>	KQ2E11-00MN, KQ2E11-03N
	<b>KQ12-P01N</b>	KQ2E13-00MN KQ2E13-03N, KQ2E13-04N

## 2 Clean Series

Symbol	Specifications
<b>10-</b>	Brass parts: With electroless nickel plating Lubricant: Fluorine grease Air blow in a clean room Double packaging Resin body, Release button color: White

Example) **10-KQ2H07-02NS**