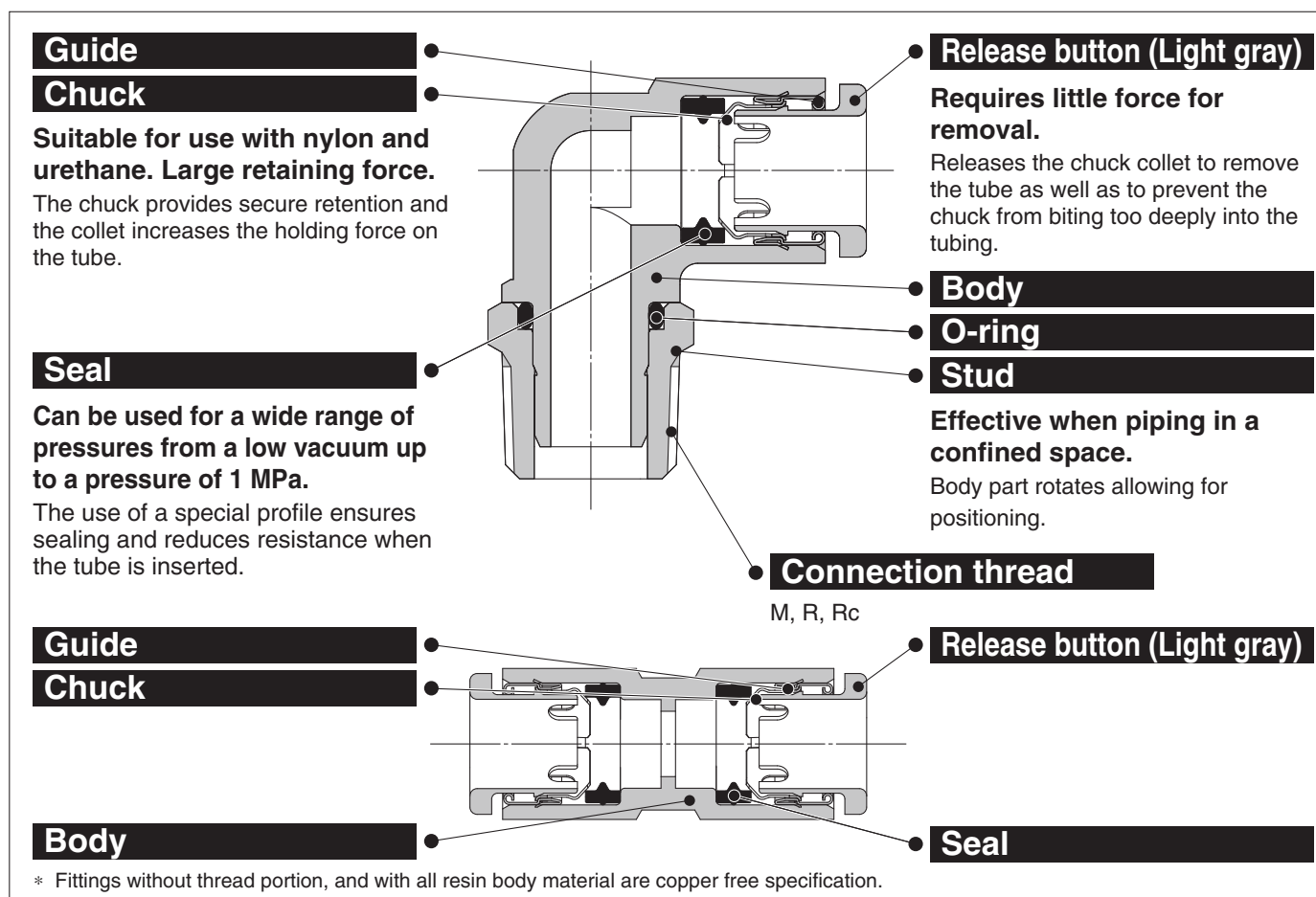


# Metric Size One-touch Fittings

Applicable Tubing: Metric 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 131 for details.)

### Applicable Tubing

|                 |                                           |
|-----------------|-------------------------------------------|
| Tubing material | FEP, PFA, Nylon, Soft nylon, Polyurethane |
| Tubing O.D.     | ø2, ø3.2, ø4, ø6, ø8, ø10, ø12, ø16       |

### 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<br>(No freezing)                           |
| <b>Thread</b>                        | <b>Mounting section</b> | JIS B0203 (Taper thread for piping)<br>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, Stainless steel 303                          |
| Stud           | C3604 (Thread portion), Stainless steel 303 (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 06 - 01 A S**

One-touch fittings

Model

| Symbol    | Model                                    |
|-----------|------------------------------------------|
| <b>H</b>  | Male connector                           |
| <b>S</b>  | Hexagon socket head male connector       |
| <b>F</b>  | Female connector                         |
| <b>L</b>  | Male elbow                               |
| <b>LU</b> | Branch male elbow                        |
| <b>K</b>  | 45° male elbow                           |
| <b>V</b>  | Universal male elbow                     |
| <b>VS</b> | Hexagon socket head universal male elbow |
| <b>VF</b> | Universal female elbow                   |
| <b>LF</b> | Female elbow                             |
| <b>VD</b> | Double universal male elbow              |
| <b>VT</b> | Triple universal male elbow              |
| <b>Z</b>  | Branch universal male elbow              |
| <b>ZF</b> | Branch universal female elbow            |
| <b>ZD</b> | Double branch universal male elbow       |
| <b>ZT</b> | Triple branch universal male elbow       |
| <b>W</b>  | Extended male elbow                      |
| <b>T</b>  | Male branch tee                          |
| <b>Y</b>  | Male run tee                             |
| <b>D</b>  | Male delta union                         |
| <b>U</b>  | Branch "Y"                               |
| <b>UD</b> | Double branch "Y"                        |
| <b>E</b>  | Bulkhead union                           |
|           | Bulkhead connector                       |
| <b>LE</b> | Bulkhead male elbow                      |
| <b>N</b>  | Adapter                                  |

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                                  |
| <b>G</b>       | Stainless steel 303<br>(Connection thread: Only male thread and M3) |
| Bulkhead union | <input type="checkbox"/> <b>J</b> Interchangeable with KJE          |

\* ☐: A, N

Port size/Applicable tubing O.D.

| Symbol            | Size                          |
|-------------------|-------------------------------|
| Tubing connection | <b>00</b> *1 Same dia. tubing |
| Thread connection | <b>M3</b> M3 x 0.5            |
|                   | <b>M5</b> M5 x 0.8            |
|                   | <b>M6</b> M6 x 1.0            |
|                   | <b>01</b> R1/8, Rc1/8         |
|                   | <b>02</b> R1/4, Rc1/4         |
|                   | <b>03</b> R3/8, Rc3/8         |
|                   | <b>04</b> R1/2, Rc1/2         |

\*1 Only for "Bulkhead union" and "Bulkhead male elbow".

Applicable tubing O.D.

| Symbol    | Size |
|-----------|------|
| <b>02</b> | ø2   |
| <b>23</b> | ø3.2 |
| <b>04</b> | ø4   |
| <b>06</b> | ø6   |
| <b>08</b> | ø8   |
| <b>10</b> | ø10  |
| <b>12</b> | ø12  |
| <b>16</b> | ø16  |

## Spare Parts

Use the part number below to order the gasket for M3, M5, and M6 threads.

Gasket for M3 thread: M-3G2  
Gasket for M5 thread: M-5G2  
Gasket for M6 thread: M-6G

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

## Tube - Tube Type

**KQ2 H 06 - 00 A**

One-touch fittings

Model

| Symbol    | Model                               |
|-----------|-------------------------------------|
| <b>H</b>  | Straight union                      |
|           | Different diameter straight         |
| <b>L</b>  | Union elbow                         |
|           | Plug-in elbow                       |
|           | Reducer elbow                       |
| <b>LU</b> | Branch union elbow                  |
| <b>W</b>  | Extended plug-in elbow              |
| <b>T</b>  | Union tee                           |
|           | Different diameter tee              |
| <b>TW</b> | Cross                               |
| <b>TX</b> | Different diameter cross            |
| <b>TY</b> | Different diameter cross            |
| <b>D</b>  | Delta union                         |
|           | Union "Y"                           |
|           | Plug-in "Y"                         |
| <b>U</b>  | Different diameter union "Y"        |
|           | Different diameter double union "Y" |
| <b>X</b>  | Different diameter plug-in "Y"      |
| <b>R</b>  | Plug-in reducer                     |
| <b>XD</b> | Double plug-in "Y"                  |

Port size/Applicable tubing O.D.

| Symbol                          | Size                           |
|---------------------------------|--------------------------------|
| Tubing (Rod) connection         | <b>00</b> Same diameter tubing |
|                                 | <b>99</b> Same diameter rod    |
|                                 | <b>23</b> ø3.2                 |
|                                 | <b>04</b> ø4                   |
|                                 | <b>06</b> ø6                   |
|                                 | <b>08</b> ø8                   |
|                                 | <b>10</b> ø10                  |
|                                 | <b>12</b> ø12                  |
| Different dia. tubing (Reducer) | <b>16</b> ø16                  |

Applicable tubing O.D.

| Symbol    | Size |
|-----------|------|
| <b>02</b> | ø2   |
| <b>23</b> | ø3.2 |
| <b>04</b> | ø4   |
| <b>06</b> | ø6   |
| <b>08</b> | ø8   |
| <b>10</b> | ø10  |
| <b>12</b> | ø12  |
| <b>16</b> | ø16  |

## Accessories

| Symbol      | Name           |
|-------------|----------------|
| <b>KQ2N</b> | Nipple         |
| <b>KQ2C</b> | Reducer nipple |
| <b>KQ2P</b> | Tube cap       |
|             | Plug           |

Round Type  
**O**

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

Metric Size Uni

Inch Size Uni

# Metric Size One-touch Fittings

## Round Type Variations

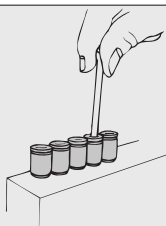
### Hexagon socket head male connector

KQ2S

P.107



Internal hexagon socket allows tightening with a hexagon wrench in confined spaces.



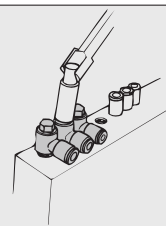
### Universal male elbow

KQ2V

P.112



Hexagon head of the body allows tightening with a box wrench in confined spaces.



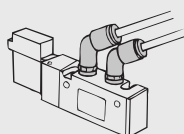
### 45° male elbow

KQ2K

P.111



Use to pipe a female thread at a 45° angle. Its direction is in-between that of the male connector and male elbow.



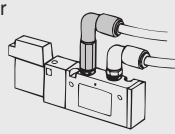
### Extended male elbow

KQ2W

P.118



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



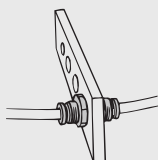
### Bulkhead union

KQ2E

P.128



Use to connect tubing through a panel, etc.



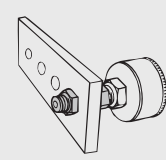
### Bulkhead connector

KQ2E

P.128



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



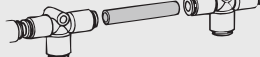
### Nipple

KQ2N

P.130



Use to connect One-touch fittings.



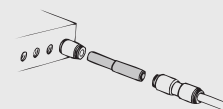
### Reducer nipple

KQ2N

P.130



Use to connect One-touch fittings of different sizes.



### Universal female elbow

KQ2VF

P.113



Use to branch a male or female thread in the same direction and at a 90° angle. Multiple connections possible.

### Branch universal female elbow

KQ2ZF

P.115



Use to two-branch a male or female thread in the same direction and at a 90° angle. Multiple connections possible.

### Male connector

KQ2H

P.105



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

### Cross

KQ2TW

P.121



Use to four-branch a line.

### Reducer elbow

KQ2L

P.109



Use to change the tube direction of One-touch fittings by 90° and connect tubing of reduced size.

### Female connector

KQ2F

P.106



Use to pipe a male thread of a pressure gauge, etc.

### Male elbow

KQ2L

P.108



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

### Different diameter cross

KQ2TX

P.121



Use to four-branch a line and connect tubing of reduced size at both 90° angles.

### Straight union

KQ2H

P.105



Use to connect tubing in the same direction.

### Union elbow

KQ2L

P.109



Use to connect tubing at right angles.

### Male branch tee

KQ2T

P.119



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

### Different diameter straight

KQ2H

P.106



Use to connect tubing of different sizes.

### Plug-in elbow

KQ2L

P.109



Use to change the tube direction of One-touch fittings by 90°.

### Union tee

KQ2T

P.120



Use to branch tubing at both 90° angles.

## Different diameter tee

**KQ2T** P.120



Use to connect tubing of reduced size for branching at both 90° angles.

## Different diameter tee

**KQ2T** P.120



Use to connect tubing of reduced size for branching at a 90° angle from two pipes running in the same direction.

## Different diameter cross

**KQ2TY** P.121



Use to connect tubing of reduced size for branching in three directions.

## Hexagon socket head universal male elbow

**KQ2VS** P.112



Hexagon socket on the top allows tightening with a hexagon wrench in confined spaces.

## Branch male elbow

**KQ2LU** P.110



Use to two-branch a female thread at right angles.

## Female elbow

**KQ2LF** P.117



Use to pipe a male thread at right angles.

## Double universal male elbow

**KQ2VD** P.114



Use to two-branch a female thread at right angles. Two individual parts rotate 360°.

## Triple universal male elbow

**KQ2VT** P.114



Use to three-branch a female thread at right angles. Three individual parts rotate 360°.

## Branch universal male elbow

**KQ2Z** P.115



Hexagon head of the body allows tightening with a box wrench. Use for branch connections.

## Double branch universal male elbow

**KQ2ZD** P.116



Use to four-branch a female thread at right angles. Two individual parts rotate 360°.

## Male run tee

**KQ2Y** P.122



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

## Triple branch universal male elbow

**KQ2ZT** P.116



Use to six-branch a female thread at right angles. Three individual parts rotate 360°.

## Branch union elbow

**KQ2LU** P.109



Use to branch tubing at right angles.

## Extended plug-in elbow

**KQ2W** P.117



Use to change the tube direction of One-touch fittings by 90°. Multi-leveled piping is also possible with the plug-in elbow.

## Male delta union

**KQ2D** P.123



Use to branch a female thread at two right angles.

## Delta union

**KQ2D** P.124



Use to branch tubing at three right angles.

## Double branch "Y"

**KQ2UD** P.126



Use to four-branch a female thread.

## Different diameter double union "Y"

**KQ2UD** P.126



Use to connect tubing of reduced size for four-branching in the same direction.

## Different diameter plug-in "Y"

**KQ2X** P.127



Use to branch One-touch fittings and connect tubing of reduced size in the same direction.

## Double plug-in "Y"

**KQ2XD** P.127



Use to four-branch One-touch fittings in the same direction.

## Union "Y"

**KQ2U** P.125



Use to branch tubing in the same direction.

## Different diameter union "Y"

**KQ2U** P.125



Use to connect tubing of reduced size for branching in the same direction.

## Plug-in "Y"

**KQ2U** P.125



Use to branch One-touch fittings in the same direction.

## Branch "Y"

**KQ2U** P.124



Use to branch a female thread in the same direction.

## Plug-in reducer

**KQ2R** P.128



Use to change size of One-touch fittings.

## Bulkhead male elbow

**KQ2LE** P.129



Use to connect tubing through a panel, etc. and to change the tube direction by 90°.

## Adapter

**KQ2N** P.129



Use to connect One-touch fittings and R female threads.

## Tube cap

**KQ2C** P.130



Use to plug unused tubing.

## Color cap

**KQ2C** P.130



Mount onto the release button and use different colors for piping according to applications.

## Plug

**KQ2P** P.129



Use to plug unused One-touch fittings.

Round Type

Metric Size M, R, Rc

Inch Size UNF, NPT

Inch Size M, R, Rc

Metric Size G

Metric Size R, Rc

Inch Size NPT

Inch Size R

Metric Size Uni

Inch Size Uni

# KQ2 Series

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

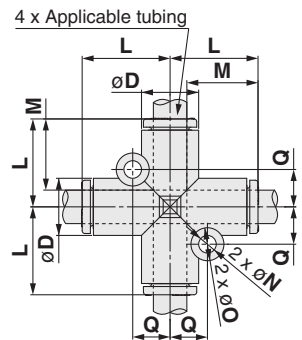
## Dimensions

### Cross: KQ2TW



| Applicable tubing O.D. [mm] | Model       | *1<br>øD | L    | Q    | M    | Mounting hole |     |           | Effective area [mm <sup>2</sup> ] |          | Min. port size | Weight [g] |
|-----------------------------|-------------|----------|------|------|------|---------------|-----|-----------|-----------------------------------|----------|----------------|------------|
|                             |             |          |      |      |      | øO            | øN  | Thickness | Nylon                             | Urethane |                |            |
| ø4                          | KQ2TW04-00A | 8.2      | 15.3 | 5.7  | 13.3 | 6             | 3.2 | 8.2       | 6.4                               | 4.4      | 3              | 3.5        |
| ø6                          | KQ2TW06-00A | 10.4     | 16.3 | 6.8  | 13.3 | 6             | 3.2 | 10.4      | 13.4                              | 10.6     | 4.5            | 4.9        |
| ø8                          | KQ2TW08-00A | 13.2     | 18.2 | 8.4  | 14.2 | 8             | 4.2 | 13.2      | 25.6                              | 17.7     | 6              | 8.5        |
| ø10                         | KQ2TW10-00A | 15.9     | 20.6 | 9.6  | 15.6 | 8             | 4.2 | 15.9      | 40                                | 28.4     | 7.5            | 12.7       |
| ø12                         | KQ2TW12-00A | 18.5     | 23   | 10.7 | 17   | 8             | 4.2 | 18.5      | 57.4                              | 45.4     | 9              | 18.4       |

\*1 øD is maximum diameter.

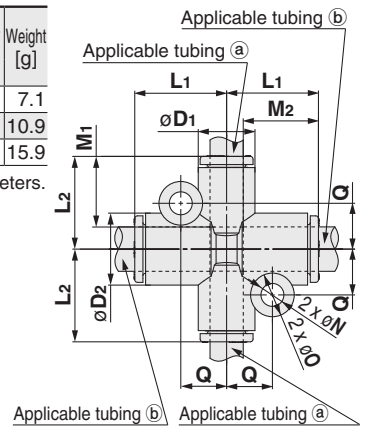


### Different Diameter Cross: KQ2TX



| Applicable tubing O.D. [mm] |     | Model       | *1<br>øD1 | *1<br>øD2 | L1   | L2   | Q    | M1   | M2   | Mounting hole |     |           | Effective area [mm <sup>2</sup> ] |          | Min. port size | Weight [g] |
|-----------------------------|-----|-------------|-----------|-----------|------|------|------|------|------|---------------|-----|-----------|-----------------------------------|----------|----------------|------------|
| (a)                         | (b) |             |           |           |      |      |      |      |      | øO            | øN  | Thickness | Nylon                             | Urethane |                |            |
| ø6                          | ø8  | KQ2TX06-08A | 10.4      | 13.2      | 17.2 | 17.3 | 8.4  | 13.3 | 14.2 | 8             | 4.2 | 13.2      | 13.4                              | 10.6     | 4.5            | 7.1        |
| ø8                          | ø10 | KQ2TX08-10A | 13.2      | 15.9      | 19.6 | 19.2 | 9.6  | 14.2 | 15.6 | 8             | 4.2 | 15.9      | 25.6                              | 17.7     | 6              | 10.9       |
| ø10                         | ø12 | KQ2TX10-12A | 15.9      | 18.5      | 22   | 21.6 | 10.7 | 15.6 | 17   | 8             | 4.2 | 18.5      | 40                                | 28.4     | 7.5            | 15.9       |

\*1 øD1, øD2 are maximum diameters.

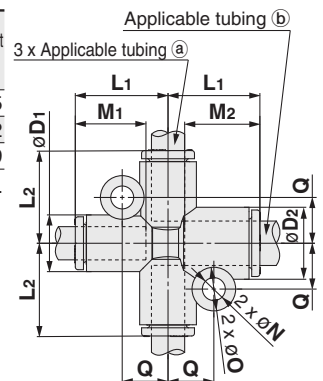


### Different Diameter Cross: KQ2TY



| Applicable tubing O.D. [mm] |     | Model       | *1<br>øD1 | *1<br>øD2 | L1   | L2   | Q    | M1   | M2   | Mounting hole |     |           | Effective area [mm <sup>2</sup> ] |          | Min. port size | Weight [g] |
|-----------------------------|-----|-------------|-----------|-----------|------|------|------|------|------|---------------|-----|-----------|-----------------------------------|----------|----------------|------------|
| (a)                         | (b) |             |           |           |      |      |      |      |      | øO            | øN  | Thickness | Nylon                             | Urethane |                |            |
| ø6                          | ø8  | KQ2TY06-08A | 10.4      | 13.2      | 17.3 | 17.2 | 8.4  | 13.3 | 14.2 | 8             | 4.2 | 13.2      | 13.4                              | 10.6     | 4.5            | 6.5        |
| ø8                          | ø10 | KQ2TY08-10A | 13.2      | 15.9      | 19.2 | 19.6 | 9.6  | 14.2 | 15.6 | 8             | 4.2 | 15.9      | 25.6                              | 17.7     | 6              | 10.2       |
| ø10                         | ø12 | KQ2TY10-12A | 15.9      | 18.5      | 21.6 | 22   | 10.7 | 15.6 | 17   | 8             | 4.2 | 18.5      | 40                                | 28.4     | 7.5            | 14.9       |

\*1 øD1, øD2 are maximum diameters.



# 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: Light gray                                                                                                                                                                                                                                                                                                    |
| <b>X41</b>         | With fixed orifice*2                                                                                                                                                                                                                                                                                                                                   |
| <b>KQ2□08-01□□</b> | Effective area is interchangeable with the current product (KQ series).<br>Applicable model: Male elbow, 45° male elbow, Female elbow, Extended male elbow, Male branch tee, Male run tee<br>Applicable tubing O.D./Port size: ø8/R1/8<br>Thread material/Surface treatment: Brass, Brass + Electroless nickel plating<br>Example) <b>KQ2L08-01AQS</b> |

\*1 The following models are not available as made-to-order: Hexagon socket head male connector/KQ2S, Bulkhead union/KQ2E, Bulkhead connector/KQ2E, Nipple/KQ2N, Reducer nipple/KQ2N, Male connector/KQ2H, Female connector/KQ2F, Color cap/KQ2C, Plug/KQ2P

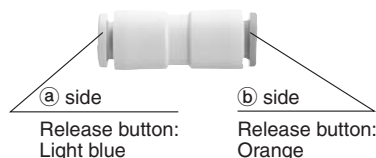
\*2 Please contact SMC for availability.

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

## 2 Metric/Inch Conversion Fittings

Allows for the metric ↔ inch conversion of tubing



| Applicable tubing O.D. [mm] |       | Model                  |
|-----------------------------|-------|------------------------|
| ①                           | ②     |                        |
| ø6                          | ø1/4" | <b>KQ2H06-07A-X562</b> |
| ø10                         | ø3/8" | <b>KQ2H10-11A-X562</b> |
| ø12                         | ø1/2" | <b>KQ2H12-13A-X562</b> |

### Variations

|             |                                   | Inch size                                    |                                              |            |                                    |                                              |                                    |                                    |
|-------------|-----------------------------------|----------------------------------------------|----------------------------------------------|------------|------------------------------------|----------------------------------------------|------------------------------------|------------------------------------|
|             |                                   | ø1/8<br>(Metric nominal size: ø3.2)          | ø5/32<br>(Metric nominal size: ø4)           | ø3/16      | ø1/4                               | ø5/16<br>(Metric nominal size: ø8)           | ø3/8                               | ø1/2                               |
| Metric size | ø2                                | KQ2H02-23A                                   | KQ2H02-04A                                   |            |                                    |                                              |                                    |                                    |
|             | ø3.2<br>(Inch nominal size: ø1/8) | Straight type<br>(KQ2H23-00A/<br>KQ2H01-00A) | KQ2H01-03A<br>KQ2H23-04A                     |            | KQ2H01-07A                         |                                              |                                    |                                    |
|             | ø4<br>(Inch nominal size: ø5/32)  | KQ2H01-03A<br>KQ2H23-04A                     | Straight type<br>(KQ2H04-00A/<br>KQ2H03-00A) | KQ2H03-05A | KQ2H03-07A                         |                                              |                                    |                                    |
|             | ø6                                | KQ2H23-06A                                   | KQ2H04-06A                                   |            | KQ2H06-07A-X562<br>(Made to Order) | KQ2H06-08A                                   |                                    |                                    |
|             | ø8<br>(Inch nominal size: ø5/16)  |                                              |                                              |            | KQ2H07-09A                         | Straight type<br>(KQ2H08-00A/<br>KQ2H09-00A) | KQ2H09-11A                         | KQ2H09-13A                         |
|             | ø10                               |                                              |                                              |            |                                    | KQ2H08-10A                                   | KQ2H10-11A-X562<br>(Made to Order) |                                    |
|             | ø12                               |                                              |                                              |            |                                    |                                              |                                    | KQ2H12-13A-X562<br>(Made to Order) |

## 3 Clean Series

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

Example) **10-KQ2H06-02NS** (With thread)

**10-KQ2H06-00A** (Without thread)

**4 Spare Parts**

| Description | Part no.     | Applicable thread |
|-------------|--------------|-------------------|
| Gasket      | <b>M-3G2</b> | M3                |
|             | <b>M-5G2</b> | M5                |
|             | <b>M-6G</b>  | M6                |

**Brass**

| Description | Part no.          | Applicable model                                                          |
|-------------|-------------------|---------------------------------------------------------------------------|
| Pipe nut    | <b>KQ02-P01AJ</b> | KQ2E02-00AJ                                                               |
|             | <b>KQ23-P01AJ</b> | KQ2E23-00AJ                                                               |
|             | <b>KQ04-P01AJ</b> | KQ2E04-00AJ                                                               |
|             | <b>KQ06-P01AJ</b> | KQ2E06-00AJ                                                               |
|             | <b>KQ04-P01A</b>  | KQ2E23-00A, KQ2E04-00A, KQ2E23-02A<br>KQ2E04-01A, KQ2E04-02A, KQ2LE04-00A |
|             | <b>KQ06-P01A</b>  | KQ2E06-00A, KQ2E06-01A, KQ2E06-02A<br>KQ2E06-03A, KQ2LE06-00A             |
|             | <b>KQ08-P01A</b>  | KQ2E08-00A, KQ2E08-01A, KQ2E08-02A<br>KQ2E08-03A, KQ2LE08-00A             |
|             | <b>KQ10-P01A</b>  | KQ2E10-00A, KQ2E10-02A, KQ2E10-03A<br>KQ2LE10-00A                         |
|             | <b>KQ12-P01A</b>  | KQ2E12-00A, KQ2E12-03A, KQ2E12-04A<br>KQ2LE12-00A                         |
|             | <b>KQ16-P01A</b>  | KQ2E16-00A                                                                |
|             |                   | KQ2E16-03A, KQ2E16-04A                                                    |

**Brass + Electroless nickel plating**

| Description | Part no.          | Applicable model                                                          |
|-------------|-------------------|---------------------------------------------------------------------------|
| Pipe nut    | <b>KQ02-P01NJ</b> | KQ2E02-00NJ                                                               |
|             | <b>KQ23-P01NJ</b> | KQ2E23-00NJ                                                               |
|             | <b>KQ04-P01NJ</b> | KQ2E04-00NJ                                                               |
|             | <b>KQ06-P01NJ</b> | KQ2E06-00NJ                                                               |
|             | <b>KQ04-P01N</b>  | KQ2E23-00N, KQ2E04-00N, KQ2E23-02N<br>KQ2E04-01N, KQ2E04-02N, KQ2LE04-00N |
|             | <b>KQ06-P01N</b>  | KQ2E06-00N, KQ2E06-01N, KQ2E06-02N<br>KQ2E06-03N, KQ2LE06-00N             |
|             | <b>KQ08-P01N</b>  | KQ2E08-00N, KQ2E08-01N, KQ2E08-02N<br>KQ2E08-03N, KQ2LE08-00N             |
|             | <b>KQ10-P01N</b>  | KQ2E10-00N, KQ2E10-02N, KQ2E10-03N<br>KQ2LE10-00N                         |
|             | <b>KQ12-P01N</b>  | KQ2E12-00N, KQ2E12-03N, KQ2E12-04N<br>KQ2LE12-00N                         |
|             | <b>KQ16-P01N</b>  | KQ2E16-00N                                                                |
|             |                   | KQ2E16-03N, KQ2E16-04N                                                    |

**Color Cap**

| Applicable tubing O.D. [mm] | Model            | øD1  | øD2  | L   | Weight [g] | Note                                                                             |
|-----------------------------|------------------|------|------|-----|------------|----------------------------------------------------------------------------------|
| ø8                          | <b>KQ2C-08□A</b> | 12.8 | 9.2  | 2.6 | 0.1        | Applicable for products before enlargement of outside diameter of release button |
| ø10                         | <b>KQ2C-10□A</b> | 15.2 | 11.2 | 2.7 | 0.1        |                                                                                  |
| ø12                         | <b>KQ2C-12□A</b> | 17.6 | 13.2 | 2.7 | 0.1        |                                                                                  |
| ø16                         | <b>KQ2C-16□A</b> | 22.4 | 17.2 | 3.2 | 0.2        |                                                                                  |

□: B (Black), R (Red), YR (Orange), BR (Brown), Y (Yellow), G (Green), CB (Sky blue), GR (Gray), W (White), BU (Blue)

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