

One-touch Fittings

RoHS

The New “KQ2”

KQ, KQ2, and KJ consolidated into the “KQ2”

- Enhanced variation
- Lightweight
- Compact



New KQ2 Series



New Oval type release button added!

Applicable tubing O.D.

Metric	ø3.2, ø4, ø6
Inch	ø1/8", ø5/32", ø3/16"



Body type: total of **51** models

Seal method: **3** types

Thread material/Surface treatment (Treated or Non-treated): **2** types^{*1}

*1 Brass, Brass + Electroless nickel plating

Applicable tubing	Connection thread	Seal method/Release button shape					
		Sealant		Gasket seal		Face seal	
		Oval Type	Round Type	Oval Type	Round Type	Oval Type	Round Type
Metric size 	M						
	R	P.5	P.101	P.5	P.101	P.65	P.173
	G					P.57	P.165
	Uni			P.87	P.201		
Inch size 	UNF			P.29	P.133		
	NPT	P.29	P.133			P.73	P.185
	M			P.49	P.157		
	R	P.49	P.157			P.81	P.195
	Uni			P.95	P.209		

KQ2 Series

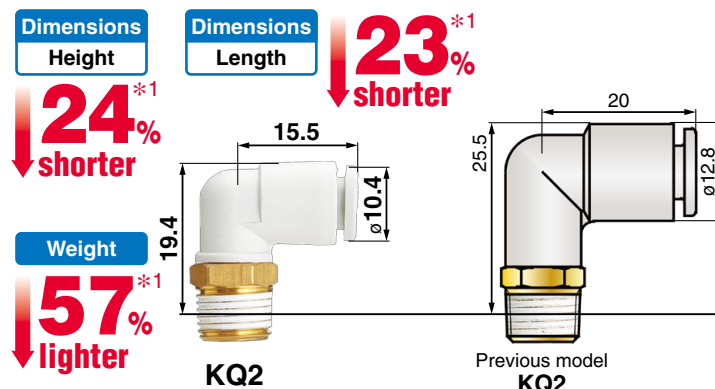


CAT.ES50-37D

◎ Improved tube insertion/removal



◎ Compact and lightweight



*1 Tube removal strength is ensured to be equivalent to previous model. *1 Previous KQ2 series model: Male elbow, applicable tubing O.D. $\phi 6$, connection thread R1/8

◎ Selectable seal method*

*1 Connection thread: R, NPT



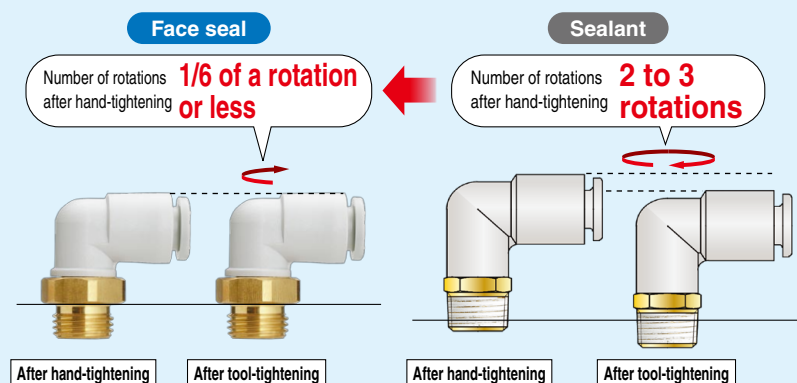
◎ Selectable surface treatment

- Brass (No plating)
- Brass + Electroless nickel plating

◎ Face seal adopted for threading.

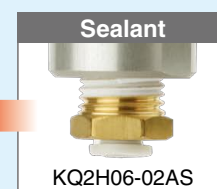
Original thread construction which allows for the use of piping taper female threads (Rc, NPT)

Improved installability (Reduction in amount of tool-tightening required after hand-tightening)

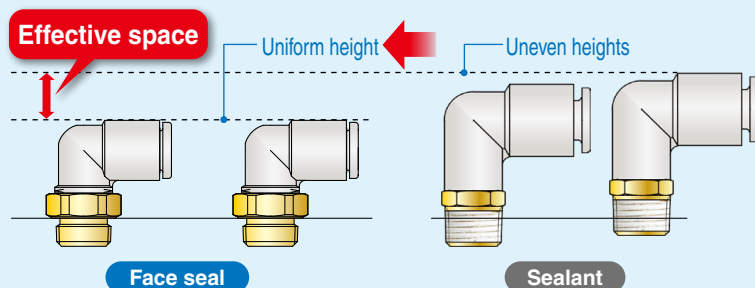


■ Allows for neat and compact piping without protruding threads

<Application example>
Mounted to a blow gun (VMG11W-02-01)



A uniform height when using multiple fittings, contributes to space saving



Prevention of sealant residue/protrusion

The current sealant type leaves residue and protrudes out from the threading when installing, making it necessary to clear away the residue using an air blower or similar. However, no residue is created when using a face seal.

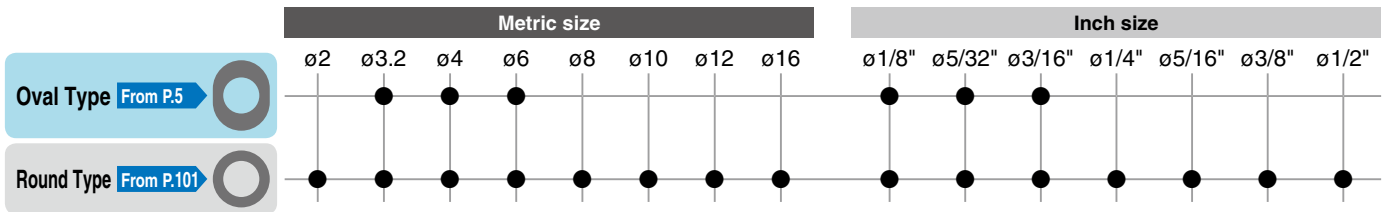
Re-piping is possible.

Face seal

Repeated re-piping of up to 6 to 10 times is possible due to use of elastic sealant on seating.

Sealant

Sealant tape is necessary because sealant becomes separated with repeated installation.



Refer to the next page for details on the applicable tubing sizes of each shape.

Oval Type/Round Type Variations

Hexagon Socket Head Male Connector KQ2S   	45° Male Elbow KQ2K   	Bulkhead Union KQ2E   	Universal Female Elbow KQ2VF   
Universal Male Elbow KQ2V   	Extended Male Elbow KQ2W   	Bulkhead Connector KQ2E   	Branch Universal Female Elbow KQ2ZF  
Male Connector KQ2H   	Female Connector KQ2F   	Straight Union KQ2H   	Different Diameter Straight KQ2H   
Cross KQ2TW   	Male Elbow KQ2L   	Union Elbow KQ2L   	Plug-in Elbow KQ2L   
Reducer Elbow KQ2L   	Different Diameter Cross KQ2TX   	Male Branch Tee KQ2T   	Union Tee KQ2T   
Different Diameter Tee KQ2T   	Different Diameter Tee KQ2T   	Different Diameter Cross KQ2TY   	Hexagon Socket Head Universal Male Elbow KQ2VS   
Branch Male Elbow KQ2LU  	Female Elbow KQ2LF   	Double Universal Male Elbow KQ2VD   	Triple Universal Male Elbow KQ2VT   
Branch Universal Male Elbow KQ2Z  	Double Branch Universal Male Elbow KQ2ZD  	Male Run Tee KQ2Y   	Triple Branch Universal Male Elbow KQ2ZT  
Branch Union Elbow KQ2LU  	Extended Plug-in Elbow KQ2W   	Male Delta Union KQ2D   	Delta Union KQ2D   
Double Branch "Y" KQ2UD  	Different Diameter Double Union "Y" KQ2UD  	Different Diameter Plug-in "Y" KQ2X  	Double Plug-in "Y" KQ2XD  
Union "Y" KQ2U  	Different Diameter Union "Y" KQ2U  	Plug-in "Y" KQ2U  	Branch "Y" KQ2U  
Plug-in Reducer KQ2R   	Bulkhead Male Elbow KQ2LE   	Tube Cap KQ2C   	

* The supported release button type (oval type/round type) is shown next to each product.

Oval Type Release Button

Sealant/Gasket Seal

Applicable tubing	Connection thread					
	M	R	Rc	UNF	NPT	
 Metric ø2 ø3.2 ø4 ø6 ø8 ø10 ø12 ø16	●	●	●			P.5 How to Order P.6 Variations P.7 Dimensions P.9 Made to Order/Clean Series/ Spare Parts P.27
 Inch ø1/8" ø5/32" ø3/16" ø1/4" ø5/16" ø3/8" ø1/2"				●	●	P.29 How to Order P.30 Variations P.31 Dimensions P.33 Made to Order/Clean Series/ Spare Parts P.48
 Inch ø1/8" ø5/32" ø3/16" ø1/4" ø5/16" ø3/8" ø1/2"	●	●	●			P.49 How to Order P.50 Variations P.51 Dimensions P.52 Made to Order/Clean Series/ Spare Parts P.55

Face Seal

Applicable tubing	Connection thread					
	G	R	Rc	NPT	R	
 Metric ø2 ø3.2 ø4 ø6 ø8 ø10 ø12 ø16	●					P.57 How to Order P.58 Variations P.59 Dimensions P.60 Spare Parts P.63
 Metric ø2 ø3.2 ø4 ø6 ø8 ø10 ø12 ø16		●				P.65 How to Order P.66 Variations P.67 Dimensions P.68
 Inch ø1/8" ø5/32" ø3/16" ø1/4" ø5/16" ø3/8" ø1/2"				●		P.73 How to Order P.74 Variations P.75 Dimensions P.76
 Inch ø1/8" ø5/32" ø3/16" ø1/4" ø5/16" ø3/8" ø1/2"					●	P.81 How to Order P.82 Variations P.83 Dimensions P.84

Gasket Seal (Uni Thread)

Applicable tubing	Connection thread				
	Rc	G	NPT	NPTF	
 Metric ø2 ø3.2 ø4 ø6 ø8 ø10 ø12 ø16	●	●	●	●	P.87 How to Order P.88 Variations P.89 Dimensions P.90 Made to Order/Clean Series/ Spare Parts P.93
 Inch ø1/8" ø5/32" ø3/16" ø1/4" ø5/16" ø3/8" ø1/2"	●	●	●	●	P.95 How to Order P.96 Variations P.97 Dimensions P.98 Made to Order/Clean Series/ Spare Parts P.100

Round Type Release Button

Sealant/Gasket Seal

Applicable tubing	Connection thread					
	M	R	Rc	UNF	NPT	
 Metric ø2 ø3.2 ø4 ø6 ø8 ø10 ø12 ø16	●	●	●			P.101 How to Order P.102 Variations P.103 Dimensions P.105 Made to Order/Clean Series/ Spare Parts P.131
 Inch ø1/8" ø5/32" ø3/16" ø1/4" ø5/16" ø3/8" ø1/2"				●	●	P.133 How to Order P.134 Variations P.135 Dimensions P.137 Made to Order/Clean Series/ Spare Parts P.156
 Inch ø1/8" ø5/32" ø3/16" ø1/4" ø5/16" ø3/8" ø1/2"	●	●	●			P.157 How to Order P.158 Variations P.159 Dimensions P.160 Made to Order/Clean Series/ Spare Parts P.163

Face Seal

Applicable tubing	Connection thread					
	G	R	Rc	NPT	R	
 Metric ø2 ø3.2 ø4 ø6 ø8 ø10 ø12 ø16	●					P.165 How to Order P.166 Variations P.167 Dimensions P.168 Spare Parts P.172
 Metric ø2 ø3.2 ø4 ø6 ø8 ø10 ø12 ø16		●				P.173 How to Order P.174 Variations P.175 Dimensions P.176
 Inch ø1/8" ø5/32" ø3/16" ø1/4" ø5/16" ø3/8" ø1/2"				●		P.185 How to Order P.186 Variations P.187 Dimensions P.188
 Inch ø1/8" ø5/32" ø3/16" ø1/4" ø5/16" ø3/8" ø1/2"					●	P.195 How to Order P.196 Variations P.197 Dimensions P.198

Gasket Seal (Uni Thread)

Applicable tubing	Connection thread				
	Rc	G	NPT	NPTF	
 Metric ø2 ø3.2 ø4 ø6 ø8 ø10 ø12 ø16	●	●	●	●	P.201 How to Order P.202 Variations P.203 Dimensions P.204 Made to Order/Clean Series/ Spare Parts P.207
 Inch ø1/8" ø5/32" ø3/16" ø1/4" ø5/16" ø3/8" ø1/2"	●	●	●	●	P.209 How to Order P.210 Variations P.211 Dimensions P.212 Made to Order/Clean Series/ Spare Parts P.214

Prior to Use	P.215
Precautions	P.216
Safety Instructions	Back cover

Sealant/Gasket Seal	Metric Size M, R, Rc
	Inch Size UNF, NPT
Face Seal	Metric Size G
	Metric Size R, Rc
Gasket Seal	Inch Size NPT
	Inch Size R
Gasket Seal (Uni Thread)	Metric Size Uni
	Inch Size Uni

Oval Type Metric Size One-touch Fittings

Applicable Tubing: Metric Size, Connection Thread: G

KQ2 Series

Guide

Chuck

Suitable for use with nylon and urethane. Large retaining force.

The chuck provides secure retention and the collet increases the holding force on the tube.

Seal

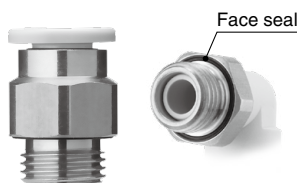
Can be used for a wide range of pressures from a low vacuum up to a pressure of 1 MPa.

The use of a special profile ensures sealing and reduces resistance when the tube is inserted.

Face seal method

Seal ring

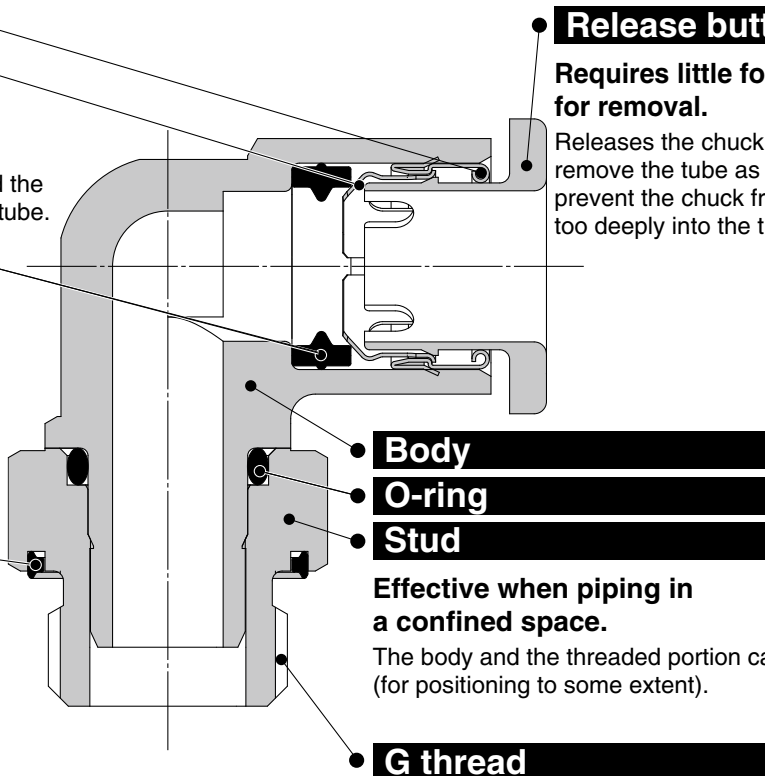
Piping installability is improved by changing to the face seal structure.



Release button

Requires little force for removal.

Releases the chuck collet to remove the tube as well as to prevent the chuck from biting too deeply into the tubing.



Body

O-ring

Stud

Effective when piping in a confined space.

The body and the threaded portion can rotate (for positioning to some extent).

G thread

Applicable to parallel pipe thread (G).

Drastically reduces screw-in time with the face seal method.



Applicable Tubing

Tubing material	FEP, PFA, Nylon, Soft nylon, Polyurethane
Tubing O.D.	ø4, ø6

Specifications

Fluid		Air, Water*1 *2
Operating pressure range*3		–100 kPa to 1 MPa
Proof pressure (at 23°C)		3 MPa
Ambient and fluid temperature		–5 to 60°C, Water: 0 to 40°C (No freezing)
Thread	Mounting section	ISO 16030 (Parallel pipe thread)
	Nut section	JIS B0205 (Metric fine thread)
Seal on the threads		Seal ring

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

*2 Deionized water is not recommended for use as it may affect the material used in the fittings. In addition, it is known to degrade the water quality.

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

How to Order

Threaded Type

KQ2 H 06 - G01 A 1

One-touch fittings

Oval type release button

Model

Symbol	Model
H	Male connector
S	Hexagon socket head male connector
F	Female connector
L	Male elbow
V	Universal male elbow
W	Extended male elbow
T	Male branch tee
Y	Male run tee
E	Bulkhead connector

Thread material/Surface treatment

Symbol	Thread material/Surface treatment
A	Brass
N	Brass + Electroless nickel plating

Port size

Symbol	Size
G01	G1/8
G02	G1/4
G03	G3/8

Applicable tubing O.D.

Symbol	Size
04	ø4
06	ø6

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

Oval Type

O

Sealant/Gasket Seal

Metric Size M, R, Rc

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

Metric Size One-touch Fittings

Oval Type Variations

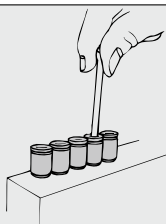
Hexagon socket head male connector

KQ2S

P.60



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



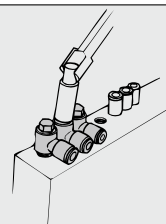
Universal male elbow

KQ2V

P.61



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



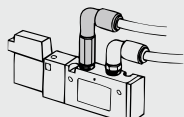
Extended male elbow

KQ2W

P.61



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



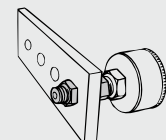
Bulkhead connector

KQ2E

P.62



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



Male connector

KQ2H

P.60



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

Male elbow

KQ2L

P.60



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

Male run tee

KQ2Y

P.62



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

Female connector

KQ2F

P.60



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

Male branch tee

KQ2T

P.61



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

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 7 and after for details.

Metric Size One-touch Fittings **KQ2 Series**

Oval Type

Applicable Tubing: Metric Size, Connection Thread: G

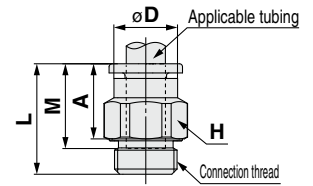
Dimensions

Male Connector: KQ2H (Face seal)

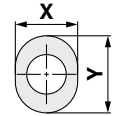


Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD	Release button dimensions		L	A	M	Effective area [mm ²]		Min. port size	Weight [g]
					X	Y				Nylon	Urethane		
ø4	1/8	KQ2H04-G01□1	12	7.9	7.7	10	17.1	11.6	13.3	4.8	3.4	3	7.7
	1/4	KQ2H04-G02□1	17	—	7.7	10	15.4	8.9	13.3	4.8	3.4	3	16.8
ø6	1/8	KQ2H06-G01□1	12	9.9	9.7	12	17.3	11.8	13.3	13.1	10.4	4.5	6.6
	1/4	KQ2H06-G02□1	17	—	9.7	12	15.4	8.9	13.3	13.1	10.4	4.5	14.8
	3/8	KQ2H06-G03□1	21	—	9.7	12	16.4	8.9	13.3	13.1	10.4	4.5	27.1

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



Release button dimensions

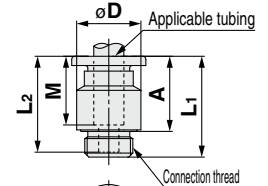


Hexagon Socket Head Male Connector: KQ2S (Face seal)

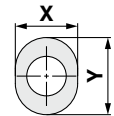


Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD	Release button dimensions		L ₁	L ₂	A	M	Effective area [mm ²]		Min. port size	Weight [g]
					X	Y					Nylon	Urethane		
ø4	1/8	KQ2S04-G01□1	3	13	7.7	10	20.6	19.6	15.1	13.3	4.1	3.6	3.1	11.6
	1/8	KQ2S06-G01□1	4	13	9.7	12	19.8	18.8	14.3	13.3	10	9.9	4.1	9.7
ø6	1/4	KQ2S06-G02□1	4	18	9.7	12	19.8	18.8	13.3	13.3	10.7	10	4.1	18

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



Release button dimensions

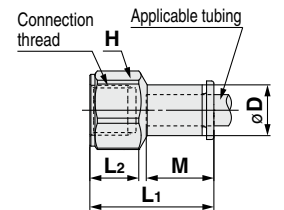


Female Connector: KQ2F

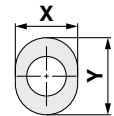


Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD	Release button dimensions		L ₁	L ₂	M	Effective area [mm ²]		Min. port size	Weight [g]
					X	Y				Nylon	Urethane		
ø4	1/8	KQ2F04-G01□1	14	7.9	7.7	10	24.7	9.5	13.3	5.6	4	3	12.4
	1/4	KQ2F04-G02□1	17	7.9	7.7	10	30.1	13.9	13.3	5.6	4	3	21.3
ø6	1/8	KQ2F06-G01□1	14	9.9	9.7	12	24.3	9.5	13.3	13.1	10.4	4.5	12.6
	1/4	KQ2F06-G02□1	17	9.9	9.7	12	29.6	13.9	13.3	13.1	10.4	4.5	21.4
	3/8	KQ2F06-G03□1	21	9.9	9.7	12	31.1	13.7	13.3	13.1	10.4	4.5	29.6

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



Release button dimensions

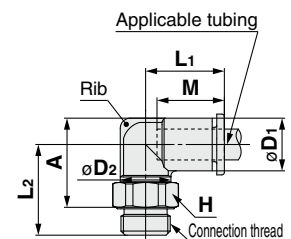


Male Elbow: KQ2L (Face seal)

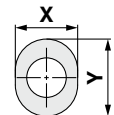


Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD ₁	Release button dimensions		øD ₂	L ₁	L ₂	A	M	Effective area [mm ²]		Min. port size	Weight [g]	With a rib
					X	Y						Nylon	Urethane			
ø4	1/8	KQ2L04-G01□1	12	8.2	7.7	10	10	14.8	16.8	15.4	13.3	4.6	3.3	3	6.3	●
	1/4	KQ2L04-G02□1	17	8.2	7.7	10	10	14.8	20.3	17.9	13.3	4.6	3.3	3	16.7	●
ø6	1/8	KQ2L06-G01□1	12	10.4	9.7	12	10	15.5	17.9	17.6	13.3	11.4	9	4.5	6.7	—
	1/4	KQ2L06-G02□1	17	10.4	9.7	12	10	15.5	21.4	20.1	13.3	11.4	9	4.5	17.2	—
	3/8	KQ2L06-G03□1	21	10.4	9.7	12	10	15.5	22.4	20.1	13.3	11.4	9	4.5	28.9	—

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



Release button dimensions



KQ2 Series

Oval Type Applicable Tubing: Metric Size, Connection Thread: G

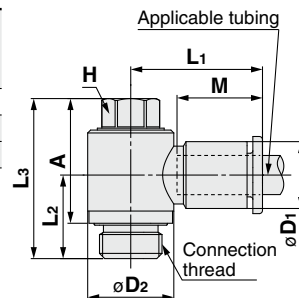
Dimensions

Universal Male Elbow: KQ2V (Face seal)

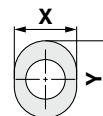


Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD1	Release button dimensions		øD2	L1	L2	L3	A	M	Effective area (mm ²)		Min. port size	Weight [g]
					X	Y							Nylon	Urethane		
ø4	1/8	KQ2V04-G01□1	8	8.2	7.7	10	13.4	19.3	13	24.9	19.4	13.3	2.9	2.9	3	12.9
ø6	1/8	KQ2V06-G01□1	8	10.4	9.7	12	13.4	20.5	13	24.9	19.4	13.3	7.5	5.9	4.5	13.2
	1/4	KQ2V06-G02□1	10	10.4	9.7	12	18	19.9	15	27.6	21.1	13.3	7.5	5.9	4.5	22.7

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



Release button dimensions

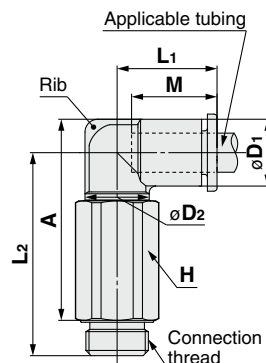


Extended Male Elbow: KQ2W (Face seal)

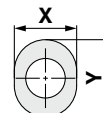


Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD1	Release button dimensions		øD2	L1	L2	A	M	Effective area (mm ²)		Min. port size	Weight [g]	With a rib
					X	Y						Nylon	Urethane			
ø4	1/8	KQ2W04-G01□1	12	8.2	7.7	10	10	14.8	30.5	29.1	13.3	4	4	3	16.5	●
	1/4	KQ2W04-G02□1	17	8.2	7.7	10	10	14.8	31.2	28.8	13.3	4	4	3	35.8	●
ø6	1/8	KQ2W06-G01□1	12	10.4	9.7	12	10	15.5	31.6	31.3	13.3	10.9	8.6	4.5	17	—
	1/4	KQ2W06-G02□1	17	10.4	9.7	12	10	15.5	32.3	31	13.3	10.9	8.6	4.5	36.2	—
	3/8	KQ2W06-G03□1	21	10.4	9.7	12	10	15.5	33.3	31	13.3	10.9	8.6	4.5	59.4	—

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



Release button dimensions

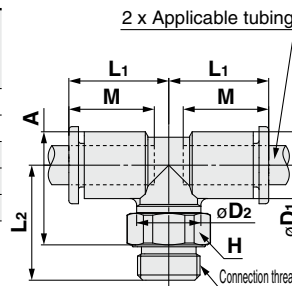


Male Branch Tee: KQ2T (Face seal)

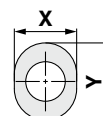


Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD1	Release button dimensions		øD2	L1	L2	A	M	Effective area (mm ²)		Min. port size	Weight [g]
					X	Y						Nylon	Urethane		
ø4	1/8	KQ2T04-G01□1	12	8.2	7.7	10	10	14.8	16.8	15.4	13.3	6	4.1	3	7
	1/4	KQ2T04-G02□1	17	8.2	7.7	10	10	14.8	20.3	17.9	13.3	6	4.1	3	17.4
ø6	1/8	KQ2T06-G01□1	12	10.4	9.7	12	10	15.5	17.9	17.6	13.3	13.9	11	4.5	7.6
	1/4	KQ2T06-G02□1	17	10.4	9.7	12	10	15.5	21.4	20.1	13.3	13.9	11	4.5	18.1
	3/8	KQ2T06-G03□1	21	10.4	9.7	12	10	15.5	22.4	20.1	13.3	13.9	11	4.5	29.8

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



Release button dimensions



Metric Size One-touch Fittings **KQ2 Series**

Oval Type

Applicable Tubing: Metric Size, Connection Thread: G

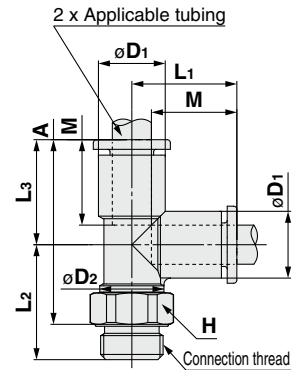
Dimensions

Male Run Tee: KQ2Y (Face seal)

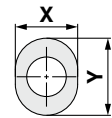


Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD1	Release button dimensions		øD2	L1	L2	L3	A	M	Effective area [mm ²]		Min. port size	Weight [g]
					X	Y							Nylon	Urethane		
ø4	1/8	KQ2Y04-G01□1	12	8.2	7.7	10	10	15.3	16.8	15.3	26.6	13.3	6.4	4.4	3	7
	1/4	KQ2Y04-G02□1	17	8.2	7.7	10	10	15.3	20.3	15.3	29.1	13.3	6.4	4.4	3	17.5
ø6	1/8	KQ2Y06-G01□1	12	10.4	9.7	12	10	16.3	17.9	16.3	28.7	13.3	13.4	10.6	4.5	7.7
	1/4	KQ2Y06-G02□1	17	10.4	9.7	12	10	16.3	21.4	16.3	31.2	13.3	13.4	10.6	4.5	18.2
	3/8	KQ2Y06-G03□1	21	10.4	9.7	12	10	16.3	22.4	16.3	31.2	13.3	13.4	10.6	4.5	29.9

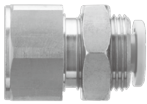
□: A (Brass), N (Brass + Electroless nickel plating)



Release button dimensions

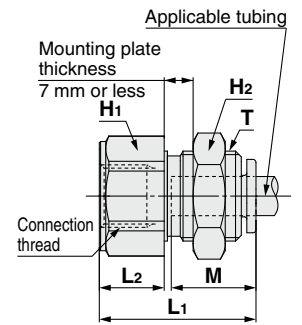


Bulkhead Connector: KQ2E

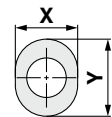


Applicable tubing O.D. [mm]	Connection thread G	Model	T (M)	H1 (Width across flats)	H2 (Width across flats)	L1	L2	Release button dimensions		Mounting hole	M	Effective area [mm ²]		Min. port size	Weight [g]
								X	Y			Nylon	Urethane		
ø4	1/8	KQ2E04-G01□1	M12 x 1	14	14	25.1	10.7	7.7	10	13	13.3	5.6	4	3	21.3
	1/4	KQ2E04-G02□1	M12 x 1	17	14	30.7	16.3	7.7	10	13	13.3	5.6	4	3	31.5
ø6	1/8	KQ2E06-G01□1	M14 x 1	17	17	24.5	10.1	9.7	12	15	13.3	13.1	10.4	4.5	29.8
	1/4	KQ2E06-G02□1	M14 x 1	17	17	30	15.6	9.7	12	15	13.3	13.1	10.4	4.5	32.8
	3/8	KQ2E06-G03□1	M14 x 1	21	17	32	17.6	9.7	12	15	13.3	13.1	10.4	4.5	45.5

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



Release button dimensions



Oval 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

Face Seal

Gasket Seal

Sealant/Gasket Seal

KQ2 Series Spare Parts

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

1 Spare Parts

KQ2-A Series

Description	Part no.	Applicable model	Material	Surface treatment
Pipe nut	KQ04-P01A	KQ2E04-G01A1, KQ2E04-G02A1	Steel	Zinc chromated
	KQ06-P01A	KQ2E06-G01A1, KQ2E06-G02A1, KQ2E06-G03A1		

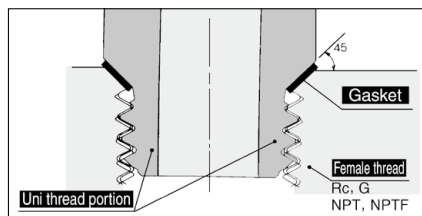
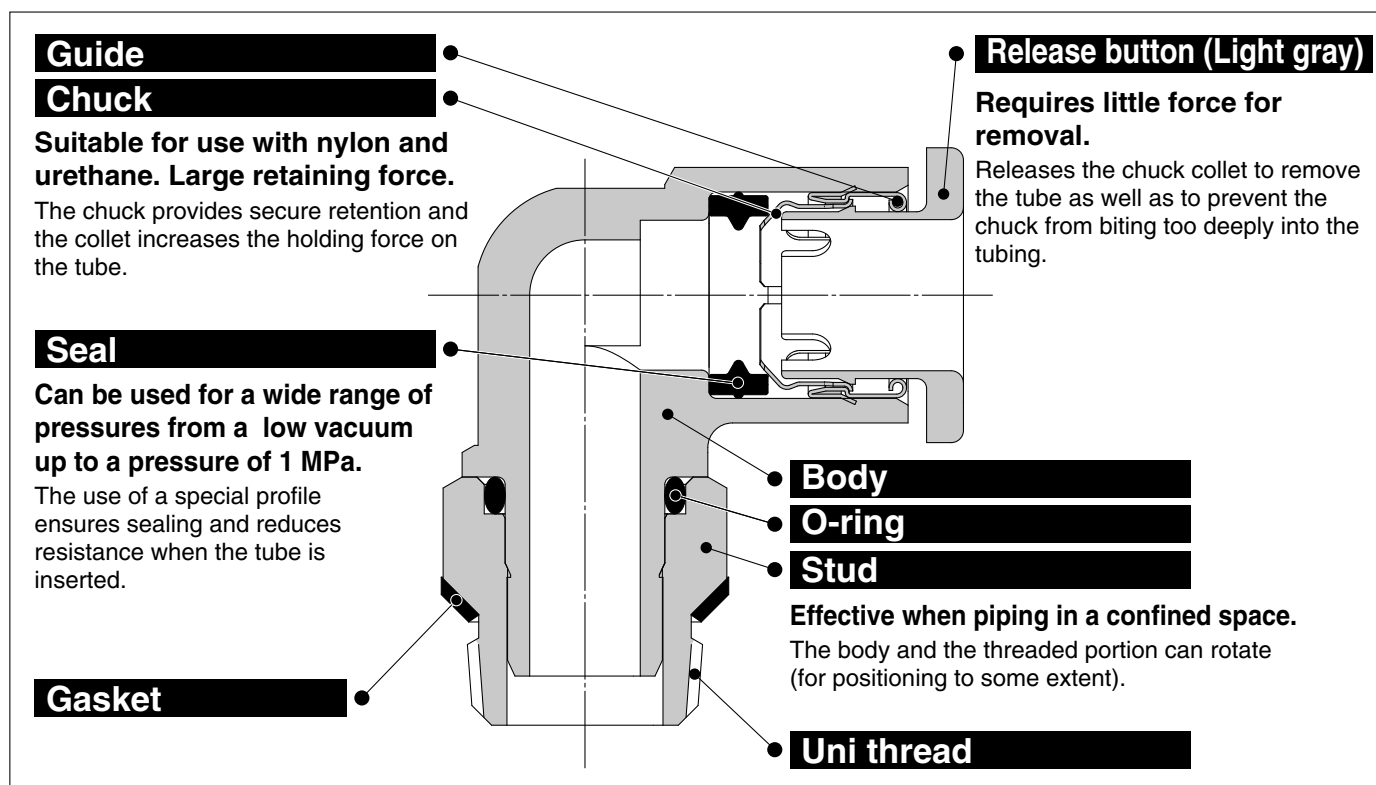
KQ2-N Series

Description	Part no.	Applicable model	Material	Surface treatment
Pipe nut	KQ04-P01N	KQ2E04-G01N1, KQ2E04-G02N1	Steel	Nickel plating
	KQ06-P01N	KQ2E06-G01N1, KQ2E06-G02N1, KQ2E06-G03N1		

Oval Type Metric Size Uni One-touch Fittings

Applicable Tubing: Metric Size, Connection Thread: Rc, G, NPT, NPTF

KQ2 Series



Uni thread ridge shape

A gasket made of a stainless sheet covered with laminated NBR on both sides is seated on the chamfer of a female thread for a perfect sealing construction irrespective of the difference in thread diameters due to the difference in the types of female threads, variation in tolerance, or difference in the size of chamfer. (It is applicable to any female thread with an ordinary chamfer.)

A ridge shape has been created as a Uni thread for common applications for Rc, G, NPT and NPTF.

Drastically cuts piping work-hours with the gasket seal method.



Applicable Tubing

Tubing material	FEP, PFA, Nylon, Soft nylon, Polyurethane
Tubing O.D.	ø4, ø6

Specifications

Fluid	Air, Water*1 *2
Operating pressure range*3	-100 kPa to 1 MPa
Proof pressure (at 23°C)	3 MPa
Ambient and fluid temperature	-5 to 60°C, Water: 0 to 40°C (No freezing)

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

*2 Deionized water is not recommended for use as it may affect the material used in the fittings. In addition, it is known to degrade the water quality.

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



Made to Order
(Refer to page 93 for details.)

How to Order

Threaded Type

KQ2 H 06 - U01 A 1

One-touch fittings

Model

Symbol	Model
H	Male connector
S	Hexagon socket head male connector
L	Male elbow
K	45° male elbow
V	Universal male elbow
T	Male branch tee
W	Extended male elbow
Y	Male run tee

Applicable tubing O.D.

Symbol	Size
04	ø4
06	ø6

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

Thread material/Surface treatment

Symbol	Thread material/Surface treatment
A	Brass
N	Brass + Electroless nickel plating

Port size

Symbol	Size
U01	Uni1/8
U02	Uni1/4
U03	Uni3/8

Spare Parts

How to Order Gasket

KQG - U01

Gasket for Uni One-touch fittings

Applicable port size

Symbol	Size
U01	Uni1/8
U02	Uni1/4
U03	Uni3/8

Oval 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

Metric Size Uni One-touch Fittings

Oval Type Variations

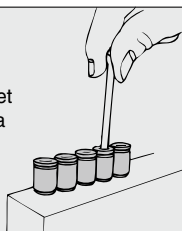
Hexagon socket head male connector

KQ2S

P.90



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



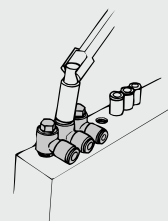
Universal male elbow

KQ2V

P.91



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



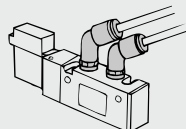
45° male elbow

KQ2K

P.91



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



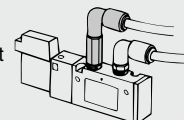
Extended male elbow

KQ2W

P.91



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



Male connector

KQ2H

P.90



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

Male run tee

KQ2Y

P.92



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

Male elbow

KQ2L

P.90



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

Male branch tee

KQ2T

P.92



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

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 7 and after for details.

This model does not support oval type release buttons. Refer to the round type (from page 201).

Branch "Y"

KQ2U

P.206



 Box wrenches and socket wrenches may interfere with oval type release buttons. Refer to page 217 for details.

Metric Size Uni One-touch Fittings **KQ2 Series**

Oval Type

Applicable Tubing: Metric Size, Connection Thread: Rc, G, NPT, NPTF

Dimensions

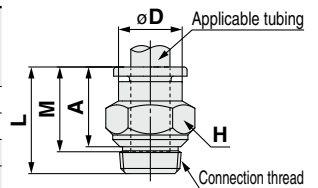
Male Connector: KQ2H (Gasket seal)



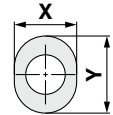
Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD	Release button dimensions		L	A*1	M	Effective area [mm ²]		Min. port size	Weight [g]
					X	Y				Nylon	Urethane		
ø4	1/8	KQ2H04-U01□1	10	—	7.7	10	15.9	11.1	13.3	4.8	3.4	3	6.6
	1/4	KQ2H04-U02□1	14	—	7.7	10	15.3	8.9	13.3	4.8	3.4	3	12.7
ø6	1/8	KQ2H06-U01□1	12	9.9	9.7	12	16.7	11.9	13.3	13.1	10.4	4.5	6.2
	1/4	KQ2H06-U02□1	14	—	9.7	12	17	10.6	13.3	13.1	10.4	4.5	12.8
	3/8	KQ2H06-U03□1	17	—	9.7	12	14.9	8.5	13.3	13.1	10.4	4.5	18.1

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

*1 Reference dimensions after installation of Uni thread



Release button dimensions



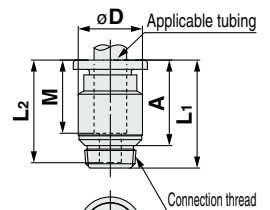
Hexagon Socket Head Male Connector: KQ2S (Gasket seal)



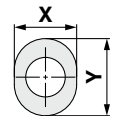
Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD	Release button dimensions		L ₁	L ₂	A*1	M	Effective area [mm ²]		Min. port size	Weight [g]
					X	Y					Nylon	Urethane		
ø4	1/8	KQ2S04-U01□1	3	10	7.7	10	20.6	19.6	15.8	13.3	4.1	3.6	3.1	8
ø6	1/8	KQ2S06-U01□1	4	12	9.7	12	19.8	18.8	15	13.3	10	9.9	4.1	8.2
	1/4	KQ2S06-U02□1	4	14	9.7	12	19.8	18.8	13.4	13.3	10.7	10	4.1	12.3

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

*1 Reference dimensions after installation of Uni thread



Release button dimensions



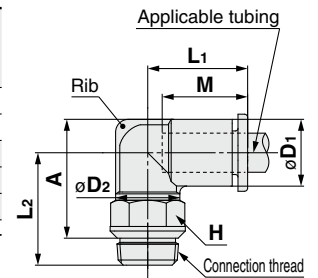
Male Elbow: KQ2L (Gasket seal)



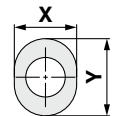
Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD ₁	Release button dimensions		øD ₂	L ₁	L ₂	A*1	M	Effective area [mm ²]		Min. port size	Weight [g]	With a rib
					X	Y						Nylon	Urethane			
ø4	1/8	KQ2L04-U01□1	10	8.2	7.7	10	10	14.8	16.4	15.7	13.3	4.6	3.3	3	4.8	●
	1/4	KQ2L04-U02□1	14	8.2	7.7	10	10	14.8	19.2	16.9	13.3	4.6	3.3	3	11.5	●
ø6	1/8	KQ2L06-U01□1	10	10.4	9.7	12	10	15.5	17.5	17.9	13.3	11.4	9	4.5	5.3	—
	1/4	KQ2L06-U02□1	14	10.4	9.7	12	10	15.5	20.3	19.1	13.3	11.4	9	4.5	12	—
	3/8	KQ2L06-U03□1	17	10.4	9.7	12	10	15.5	21.4	20.2	13.3	11.4	9	4.5	21.4	—

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

*1 Reference dimensions after installation of Uni thread



Release button dimensions



Oval 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

Oval Type

Applicable Tubing: Metric Size, Connection Thread: Rc, G, NPT, NPTF

Dimensions

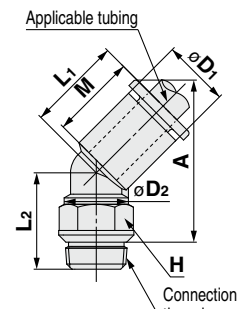
45° Male Elbow: KQ2K (Gasket seal)



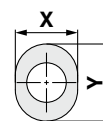
Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD1	Release button dimensions		øD2	L1	L2	A*1	M	Effective area (mm ²)		Min. port size	Weight [g]
					X	Y						Nylon	Urethane		
ø4	1/8	KQ2K04-U01□1	10	8.2	7.7	10	10	14.4	12.9	20.8	13.3	4.8	3.4	4.5	4.7
	1/4	KQ2K04-U02□1	14	8.2	7.7	10	10	14.4	14.7	21	13.3	4.8	3.4	4.5	11.3
ø6	1/8	KQ2K06-U01□1	10	10.4	9.7	12	10	14.7	15	23.8	13.3	8.7	6.9	4.5	5.1
	1/4	KQ2K06-U02□1	14	10.4	9.7	12	10	14.7	16.8	24	13.3	8.7	6.9	4.5	11.7
	3/8	KQ2K06-U03□1	17	10.4	9.7	12	10	14.7	17.9	25.1	13.3	8.7	6.9	4.5	21.2

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

*1 Reference dimensions after installation of Uni thread



Release button dimensions



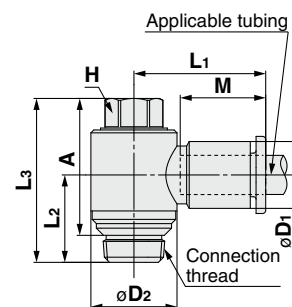
Universal Male Elbow: KQ2V (Gasket seal)



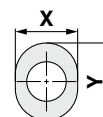
Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD1	Release button dimensions		øD2	L1	L2	L3	A*1	M	Effective area (mm ²)		Min. port size	Weight [g]
					X	Y							Nylon	Urethane		
ø4	1/8	KQ2V04-U01□1	8	8.2	7.7	10	13.4	19.3	13.6	25.5	20.7	13.3	2.9	2.9	4.5	13.5
ø6	1/8	KQ2V06-U01□1	8	10.4	9.7	12	13.4	20.5	13.6	25.5	20.7	13.3	7.5	5.9	4.5	13.9
	1/4	KQ2V06-U02□1	10	10.4	9.7	12	15.3	19.9	15.4	28	21.6	13.3	7.5	5.9	4.5	21.8

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

*1 Reference dimensions after installation of Uni thread



Release button dimensions



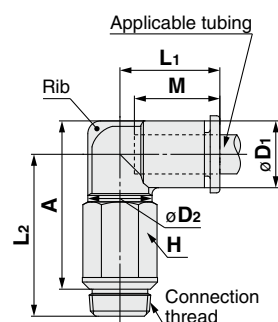
Extended Male Elbow: KQ2W (Gasket seal)



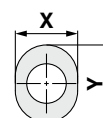
Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD1	Release button dimensions		øD2	L1	L2	A*1	M	Effective area (mm ²)		Min. port size	Weight [g]	With a rib
					X	Y						Nylon	Urethane			
ø4	1/8	KQ2W04-U01□1	10	8.2	7.7	10	10	14.8	24.1	23.4	13.3	4	4	3	8.3	●
	1/4	KQ2W04-U02□1	14	8.2	7.7	10	10	14.8	30.1	27.8	13.3	4	4	3	23.9	●
ø6	1/8	KQ2W06-U01□1	10	10.4	9.7	12	10	15.5	31.2	31.6	13.3	10.9	8.6	4.5	11.5	—
	1/4	KQ2W06-U02□1	14	10.4	9.7	12	10	15.5	31.2	30	13.3	10.9	8.6	4.5	24.3	—
	3/8	KQ2W06-U03□1	17	10.4	9.7	12	10	15.5	32.3	31.1	13.3	10.9	8.6	4.5	41	—

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

*1 Reference dimensions after installation of Uni thread



Release button dimensions



Metric Size Uni One-touch Fittings **KQ2 Series**

Oval Type

Applicable Tubing: Metric Size, Connection Thread: Rc, G, NPT, NPTF

Dimensions

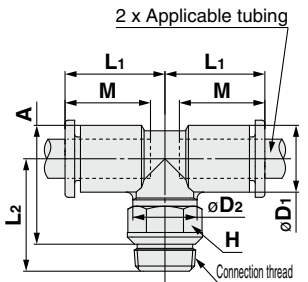
Male Branch Tee: KQ2T (Gasket seal)



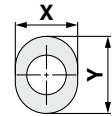
Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD1	Release button dimensions		øD2	L1	L2	A*1	M	Effective area (mm ²)		Min. port size	Weight [g]
					X	Y						Nylon	Urethane		
ø4	1/8	KQ2T04-U01□1	10	8.2	7.7	10	10	14.8	16.4	15.7	13.3	6	4.1	3	5.5
	1/4	KQ2T04-U02□1	14	8.2	7.7	10	10	14.8	19.2	16.9	13.3	6	4.1	3	12.2
ø6	1/8	KQ2T06-U01□1	10	10.4	9.7	12	10	15.5	17.5	17.9	13.3	13.9	11	4.5	6.2
	1/4	KQ2T06-U02□1	14	10.4	9.7	12	10	15.5	20.3	19.1	13.3	13.9	11	4.5	12.9
	3/8	KQ2T06-U03□1	17	10.4	9.7	12	10	15.5	21.4	20.2	13.3	13.9	11	4.5	22.3

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

*1 Reference dimensions after installation of Uni thread



Release button dimensions



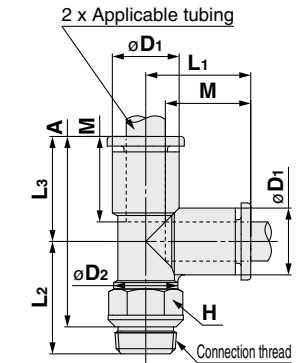
Male Run Tee: KQ2Y (Gasket seal)



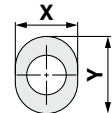
Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD1	Release button dimensions		øD2	L1	L2	L3	A*1	M	Effective area (mm ²)		Min. port size	Weight [g]
					X	Y							Nylon	Urethane		
ø4	1/8	KQ2Y04-U01□1	10	8.2	7.7	10	10	15.3	16.4	15.3	26.9	13.3	6.4	4	3	5.6
	1/4	KQ2Y04-U02□1	14	8.2	7.7	10	10	15.3	19.2	15.3	28.1	13.3	6.4	4	3	12.2
ø6	1/8	KQ2Y06-U01□1	10	10.4	9.7	12	10	16.3	17.5	16.3	29	13.3	13.4	10.6	4.5	6.3
	1/4	KQ2Y06-U02□1	14	10.4	9.7	12	10	16.3	20.3	16.3	30.2	13.3	13.4	10.6	4.5	13
	3/8	KQ2Y06-U03□1	17	10.4	9.7	12	10	16.3	21.4	16.3	31.3	13.3	13.4	10.6	4.5	22.5

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

*1 Reference dimensions after installation of Uni thread



Release button dimensions



Oval Type

Metric Size M, R, Rc

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

Gasket Seal

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
X12	Lubricant: White vaseline Release button color: White
X35 *1	Body color: Black Release button color: Light gray
X41	With fixed orifice*2

*1 The following models are not available as made-to-order: Hexagon socket head male connector/KQ2S, 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
X17	Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue
X29	Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue Copper-free (With electroless nickel plating)
X39	Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue Clean (Copper-free, air blow, double packaging, resin body: white)

3 Spare Parts

Description	Part no.	Applicable thread
Gasket	KQG-U01	Uni1/8
	KQG-U02	Uni1/4
	KQG-U03	Uni3/8

2 Clean Series

Please consult with SMC separately for applicable models.

Symbol	Specifications
10-	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-KQ2H06-U01N1**

Metric Size One-touch Fittings

Applicable Tubing: Metric Size, Connection Thread: G

KQ2 Series

Guide

Chuck

Suitable for use with nylon and urethane. Large retaining force.

The chuck provides secure retention and the collet increases the holding force on the tube.

Seal

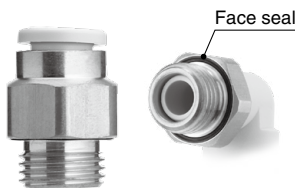
Can be used for a wide range of pressures from a low vacuum up to a pressure of 1 MPa.

The use of a special profile ensures sealing and reduces resistance when the tube is inserted.

Face seal method

Seal ring

Piping installability is improved by changing to the face seal structure.

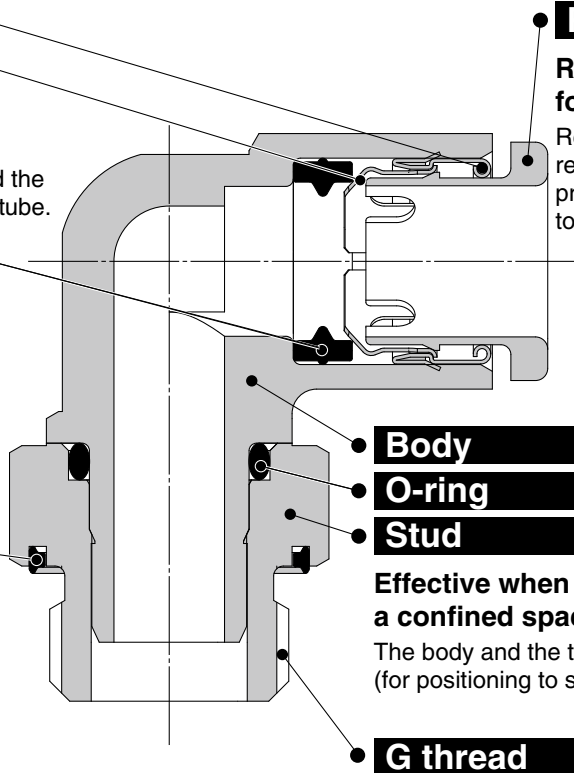


Face seal

Release button

Requires little force for removal.

Releases the chuck collet to remove the tube as well as to prevent the chuck from biting too deeply into the tubing.



Body

O-ring

Stud

Effective when piping in a confined space.

The body and the threaded portion can rotate (for positioning to some extent).

G thread

Applicable to parallel pipe thread (G).

Drastically reduces screw-in time with the face seal method.



Applicable Tubing

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

Specifications

Fluid		Air, Water*1 *2
Operating pressure range*3		-100 kPa to 1 MPa
Proof pressure (at 23°C)		3 MPa
Ambient and fluid temperature		-5 to 60°C, Water: 0 to 40°C (No freezing)
Thread	Mounting section	ISO 16030 (Parallel pipe thread)
	Nut section	JIS B0205 (Metric fine thread)
Seal on the threads		Seal ring

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

*2 Deionized water is not recommended for use as it may affect the material used in the fittings. In addition, it is known to degrade the water quality.

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

Metric Size One-touch Fittings **KQ2 Series**

Applicable Tubing: Metric Size, Connection Thread: G

How to Order

Threaded Type

KQ2 H 06 - G01 A

One-touch fittings

Model

Symbol	Model
H	Male connector
S	Hexagon socket head male connector
F	Female connector
L	Male elbow
V	Universal male elbow
W	Extended male elbow
T	Male branch tee
Y	Male run tee
E	Bulkhead connector

Thread material/Surface treatment

Symbol	Thread material/Surface treatment
A	Brass
N	Brass + Electroless nickel plating

Port size

Symbol	Size
G01	G1/8
G02	G1/4
G03	G3/8
G04	G1/2

Applicable tubing O.D.

Symbol	Size
04	ø4
06	ø6
08	ø8
10	ø10
12	ø12
16	ø16

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

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

Metric Size One-touch Fittings

Round Type Variations

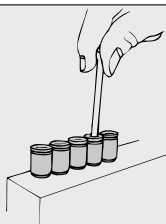
Hexagon socket head male connector

KQ2S

P.168



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



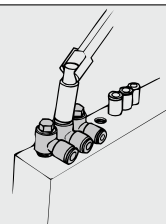
Universal male elbow

KQ2V

P.169



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



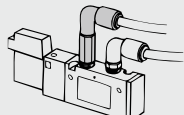
Extended male elbow

KQ2W

P.170



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



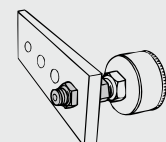
Bulkhead connector

KQ2E

P.171



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



Male connector

KQ2H

P.168



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

Male elbow

KQ2L

P.169



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

Male run tee

KQ2Y

P.171



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

Female connector

KQ2F

P.168



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

Male branch tee

KQ2T

P.170



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

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 103 and after for details.

Metric Size One-touch Fittings **KQ2 Series**

Applicable Tubing: Metric Size, Connection Thread: G

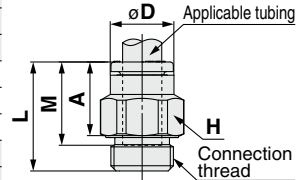
Dimensions

Male Connector: KQ2H (Face seal)



Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD	L	A	M	Effective area [mm ²]		Min. port size	Weight [g]
								Nylon	Urethane		
ø4	1/8	KQ2H04-G01□	12	7.7	17.1	11.6	13.3	4.8	3.4	3	7.7
	1/4	KQ2H04-G02□	17	7.7	15.4	8.9	13.3	4.8	3.4	3	16.8
ø6	1/8	KQ2H06-G01□	12	9.7	17.3	11.8	13.3	13.1	10.4	4.5	6.6
	1/4	KQ2H06-G02□	17	9.7	15.4	8.9	13.3	13.1	10.4	4.5	14.8
ø8	3/8	KQ2H06-G03□	21	9.7	16.4	8.9	13.3	13.1	10.4	4.5	27.1
	1/8	KQ2H08-G01□	14	13	21.4	15.9	14.2	26.1	18	6	7.5
ø10	1/4	KQ2H08-G02□	17	13	19.9	13.4	14.2	26.1	18	6	15.5
	3/8	KQ2H08-G03□	21	13	16.4	8.9	14.2	26.1	18	6	23.8
ø12	1/8	KQ2H10-G01□	17	15.6	23.2	17.7	15.6	26.1	26.1	6	15.7
	1/4	KQ2H10-G02□	17	15.6	22.8	16.3	15.6	41.5	29.5	7.5	16.8
ø16	3/8	KQ2H10-G03□	21	15.6	21.8	14.3	15.6	41.5	29.5	7.5	26.1
	1/2	KQ2H10-G04□	27	15.6	17.9	8.9	15.6	41.5	29.5	7.5	39.9
ø12	1/4	KQ2H12-G02□	19	18.2	25.3	18.8	17	58.3	46.1	9	15.1
	3/8	KQ2H12-G03□	21	18.2	23.6	16.1	17	58.3	46.1	9	25.6
ø16	1/2	KQ2H12-G04□	27	18.2	24.8	15.8	17	58.3	46.1	9	46.9
ø16	3/8	KQ2H16-G03□	27	23.6	30.5	23	20.6	81	67	11	47.1
	1/2	KQ2H16-G04□	27	23.6	29.7	20.7	20.6	113	67	13	48.8

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

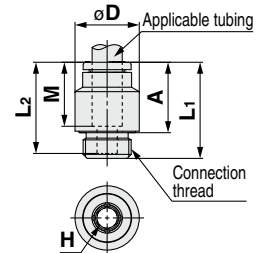


Hexagon Socket Head Male Connector: KQ2S (Face seal)



Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD	L1	L2	A	M	Effective area [mm ²]		Min. port size	Weight [g]
									Nylon	Urethane		
ø4	1/8	KQ2S04-G01□	3	13	20.6	19.6	15.1	13.3	4.1	3.6	3.1	11.6
ø6	1/8	KQ2S06-G01□	4	13	19.8	18.8	14.3	13.3	10	9.9	4.1	9.7
	1/4	KQ2S06-G02□	4	18	19.8	18.8	13.3	13.3	10.7	10	4.1	18
ø8	1/8	KQ2S08-G01□	5	13	21.7	19.7	16.2	14.2	17.2	16.2	5.1	9.5
	1/4	KQ2S08-G02□	6	18	20.5	19.5	14	14.2	23.3	16.2	6.1	17.2
ø10	3/8	KQ2S08-G03□	6	22	20.7	19.7	13.2	14.2	23.3	16.2	6.1	27.1
	1/8	KQ2S10-G01□	5	15.6	23	21.1	17.5	15.6	17.2	16.2	5.1	10.9
ø12	1/4	KQ2S10-G02□	8	18	24.1	20.1	17.6	15.6	39	26.6	8.1	19.2
	3/8	KQ2S10-G03□	8	22	21.4	20.1	13.9	15.6	39	26.6	8.1	25
ø16	1/2	KQ2S10-G04□	8	26	21.1	20.1	12.1	15.6	39	26.6	8.1	34.1
	1/4	KQ2S12-G02□	8	18.2	25.6	21.5	19.1	17	46	44.5	8.1	18.3
ø12	3/8	KQ2S12-G03□	10	22	23.8	21.8	16.3	17	60	44.5	10.1	25.7
	1/2	KQ2S12-G04□	10	26	22.8	21.8	13.8	17	60	44.5	10.1	35.6
ø16	3/8	KQ2S16-G03□	10	23.6	30.8	25.4	23.3	20.6	81	67	10.1	29.2
	1/2	KQ2S16-G04□	12	26	30.3	26.1	21.3	20.6	113	67	12.1	45.8

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

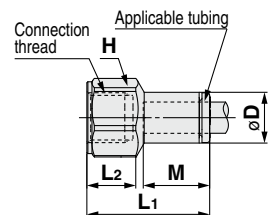


Female Connector: KQ2F



Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD	L1	L2	M	Effective area [mm ²]		Min. port size	Weight [g]
								Nylon	Urethane		
ø4	1/8	KQ2F04-G01□	14	7.9	24.7	9.5	13.3	5.6	4	3	12.4
	1/4	KQ2F04-G02□	17	7.9	30.1	13.9	13.3	5.6	4	3	21.3
ø6	1/8	KQ2F06-G01□	14	9.9	24.3	9.5	13.3	13.1	10.4	4.5	12.6
	1/4	KQ2F06-G02□	17	9.9	29.6	13.9	13.3	13.1	10.4	4.5	21.4
ø8	3/8	KQ2F06-G03□	21	9.9	31.1	13.7	13.3	13.1	10.4	4.5	29.6
	1/8	KQ2F08-G01□	14	13	24.7	9.5	14.2	26.1	18	6	15.1
ø10	1/4	KQ2F08-G02□	17	13	30.1	13.9	14.2	26.1	18	6	24
	3/8	KQ2F08-G03□	21	13	31.6	13.7	14.2	26.1	18	6	32.3
ø12	1/4	KQ2F10-G02□	17	15.6	31.1	13.9	15.6	41.5	29.5	7.5	24.1
	3/8	KQ2F10-G03□	21	15.6	32.6	13.7	15.6	41.5	29.5	7.5	32.6
ø16	1/4	KQ2F12-G02□	19	18.2	32	13.8	17	58.3	46.1	9	33
	3/8	KQ2F12-G03□	21	18.2	33.5	13.7	17	58.3	46.1	9	34.1
ø16	1/2	KQ2F12-G04□	27	18.2	38.6	16.9	17	58.3	46.1	9	64.9
	3/8	KQ2F16-G03□	24	23.6	36	14.4	20.6	81	67	13	55.7
	1/2	KQ2F16-G04□	27	23.6	41.1	16.9	20.6	113	67	13	71.7

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



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: G

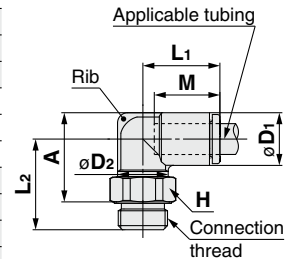
Dimensions

Male Elbow: KQ2L (Face seal)



Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD1	øD2	L1	L2	A	M	Effective area [mm²]		Min. port size	Weight [g]	With a rib
										Nylon	Urethane			
ø4	1/8	KQ2L04-G01	12	8.2	10	14.8	16.8	15.4	13.3	4.6	3.3	3	6.3	●
	1/4	KQ2L04-G02	17	8.2	10	14.8	20.3	17.9	13.3	4.6	3.3	3	16.7	●
ø6	1/8	KQ2L06-G01	12	10.4	10	15.5	17.9	17.6	13.3	11.4	9	4.5	6.7	—
	1/4	KQ2L06-G02	17	10.4	10	15.5	21.4	20.1	13.3	11.4	9	4.5	17.2	—
ø8	3/8	KQ2L06-G03	21	10.4	10	15.5	22.4	20.1	13.3	11.4	9	4.5	28.9	—
	1/8	KQ2L08-G01	12	13.2	10	16.4	19.3	20.4	14.2	11.4	11.4	4.5	7.6	●
ø8	1/4	KQ2L08-G02	17	13.2	12	17.2	22.8	22.9	14.2	21.6	14.9	6	15.9	●
	3/8	KQ2L08-G03	21	13.2	12	17.2	23.8	22.9	14.2	21.6	14.9	6	27.9	●
ø10	1/8	KQ2L10-G01	12	15.9	12	18.6	22.5	24.9	15.6	21.6	14.9	6	10.3	●
	1/4	KQ2L10-G02	17	15.9	17	19.3	24.6	26.0	15.6	35.2	25	7.5	17.5	●
	3/8	KQ2L10-G03	21	15.9	17	19.3	27.7	28.1	15.6	35.2	25	7.5	22.6	●
ø10	1/2	KQ2L10-G04	27	15.9	17	19.3	29.2	28.1	15.6	35.2	25	7.5	42.5	●
	1/4	KQ2L12-G02	17	18.5	17	21.5	25.9	28.6	17	50.2	39.7	9	19.3	●
ø12	3/8	KQ2L12-G03	21	18.5	17	21.5	29.0	30.7	17	50.2	39.7	9	24.5	●
	1/2	KQ2L12-G04	27	18.5	17	21.5	30.5	30.7	17	50.2	39.7	9	44.4	●
ø16	3/8	KQ2L16-G03	21	23.8	21	27.1	33.1	37.5	20.6	71	58.9	11	35.2	—
	1/2	KQ2L16-G04	27	23.8	21	27.1	33.8	36.7	20.6	100	58.9	13	58.7	—

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

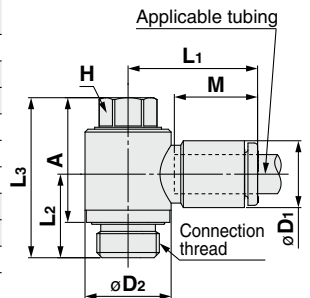


Universal Male Elbow: KQ2V (Face seal)



Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD1	øD2	L1	L2	L3	A	M	Effective area [mm²]		Min. port size	Weight [g]
											Nylon	Urethane		
ø4	1/8	KQ2V04-G01	8	8.2	13.4	19.3	13	24.9	19.4	13.3	2.9	2.9	3	12.9
ø6	1/8	KQ2V06-G01	8	10.4	13.4	20.5	13	24.9	19.4	13.3	7.5	5.9	4.5	13.2
	1/4	KQ2V06-G02	10	10.4	18	19.9	15	27.6	21.1	13.3	7.5	5.9	4.5	22.7
ø8	1/8	KQ2V08-G01	12	13.2	17.6	23.5	15	27.5	22	14.2	16	11.2	5	24.5
	1/4	KQ2V08-G02	12	13.2	18	23.5	15.6	28.1	21.6	14.2	16	11.2	6	26.8
ø8	3/8	KQ2V08-G03	14	13.2	22	23.1	17.3	33.1	25.6	14.2	16	11.2	7.5	42.1
ø10	1/4	KQ2V10-G02	14	15.9	20.6	25.9	17.9	32.9	26.4	15.6	27	20.3	7.5	37.5
	3/8	KQ2V10-G03	14	15.9	22	25.9	18.1	33.1	25.6	15.6	27	20.3	7.5	43.4
ø12	3/8	KQ2V12-G03	17	18.5	25.2	28.5	20.5	36.7	29.2	17	39	30.8	9	60.5
	1/2	KQ2V12-G04	17	18.5	26	28.5	21.1	37.3	28.3	17	39	30.8	9	71
ø16	3/8	KQ2V16-G03	21	23.8	32.3	34.2	24.2	44.5	37	20.6	55	46	11	101.7
	1/2	KQ2V16-G04	21	23.8	32.3	34.2	26.2	46.5	37.5	20.6	78	46	13	106.6

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



Metric Size One-touch Fittings **KQ2 Series**

Applicable Tubing: Metric Size, Connection Thread: G

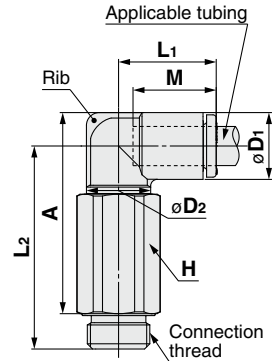
Dimensions

Extended Male Elbow: KQ2W (Face seal)



Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD1	øD2	L1	L2	A	M	Effective area [mm ²]		Min. port size	Weight [g]	With a rib
										Nylon	Urethane			
ø4	1/8	KQ2W04-G01	12	8.2	10	14.8	30.5	29.1	13.3	4	4	3	16.5	●
	1/4	KQ2W04-G02	17	8.2	10	14.8	31.2	28.8	13.3	4	4	3	35.8	●
ø6	1/8	KQ2W06-G01	12	10.4	10	15.5	31.6	31.3	13.3	10.9	8.6	4.5	17	—
	1/4	KQ2W06-G02	17	10.4	10	15.5	32.3	31	13.3	10.9	8.6	4.5	36.2	—
ø8	3/8	KQ2W06-G03	21	10.4	10	15.5	33.3	31	13.3	10.9	8.6	4.5	59.4	—
	1/8	KQ2W08-G01	12	13.2	10	16.4	33	34.1	14.2	10.9	10.9	4.5	17.8	●
ø8	1/4	KQ2W08-G02	17	13.2	12	17.2	36.5	36.6	14.2	20.5	14.2	6	37.5	●
	3/8	KQ2W08-G03	21	13.2	12	17.2	37.5	36.6	14.2	20.5	14.2	6	63.9	●
ø10	1/4	KQ2W10-G02	17	15.9	17	19.3	48.8	50.3	15.6	33.5	23.8	7.5	45.1	●
	3/8	KQ2W10-G03	21	15.9	17	19.3	46.6	47.1	15.6	33.5	23.8	7.5	62.6	●
ø10	1/2	KQ2W10-G04	27	15.9	17	19.3	48.1	47.1	15.6	33.5	23.8	7.5	120.2	●
	1/4	KQ2W12-G02	17	18.5	17	21.5	50.1	52.9	17	47.7	37.7	9	46.9	●
ø12	3/8	KQ2W12-G03	21	18.5	17	21.5	47.9	49.7	17	47.7	37.7	9	64.5	●
	1/2	KQ2W12-G04	27	18.5	17	21.5	49.4	49.7	17	47.7	37.7	9	122.1	●
ø16	3/8	KQ2W16-G03	21	23.8	21	27.1	57.4	61.8	20.6	71	58.9	11	71.7	—
	1/2	KQ2W16-G04	27	23.8	21	27.1	58.1	61	20.6	100	58.9	13	144.1	—

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

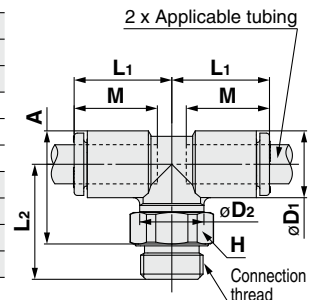


Male Branch Tee: KQ2T (Face seal)



Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD1	øD2	L1	L2	A	M	Effective area [mm ²]		Min. port size	Weight [g]
										Nylon	Urethane		
ø4	1/8	KQ2T04-G01	12	8.2	10	14.8	16.8	15.4	13.3	6	4.1	3	7
	1/4	KQ2T04-G02	17	8.2	10	14.8	20.3	17.9	13.3	6	4.1	3	17.4
ø6	1/8	KQ2T06-G01	12	10.4	10	15.5	17.9	17.6	13.3	13.9	11	4.5	7.6
	1/4	KQ2T06-G02	17	10.4	10	15.5	21.4	20.1	13.3	13.9	11	4.5	18.1
ø6	3/8	KQ2T06-G03	21	10.4	10	15.5	22.4	20.1	13.3	13.9	11	4.5	29.8
	1/8	KQ2T08-G01	12	13.2	10	16.4	19.3	20.4	14.2	14	14	4.5	9.4
ø8	1/4	KQ2T08-G02	17	13.2	12	17.2	22.8	22.9	14.2	26.3	18.2	6	17.6
	3/8	KQ2T08-G03	21	13.2	12	17.2	23.8	22.9	14.2	26.3	18.2	6	29.6
ø10	1/8	KQ2T10-G01	12	15.9	12	18.6	22.4	24.9	15.6	21.6	14.9	6	13.1
	1/4	KQ2T10-G02	17	15.9	17	19.3	24.5	26	15.6	35.2	25	7.5	20.1
ø10	3/8	KQ2T10-G03	21	15.9	17	19.3	27.6	28.1	15.6	35.2	25	7.5	25.3
	1/2	KQ2T10-G04	27	15.9	17	19.3	29.1	28.1	15.6	35.2	25	7.5	45.2
ø12	1/4	KQ2T12-G02	17	18.5	17	21.5	25.8	28.6	17	57.2	45.2	9	23.1
	3/8	KQ2T12-G03	21	18.5	17	21.5	28.9	30.7	17	57.2	45.2	9	28.4
ø12	1/2	KQ2T12-G04	27	18.5	17	21.5	30.4	30.7	17	57.2	45.2	9	48.3
	3/8	KQ2T16-G03	21	23.8	21	27.1	33.1	37.5	20.6	71	58.9	11	42.1
ø16	1/2	KQ2T16-G04	27	23.8	21	27.1	33.8	36.7	20.6	100	58.9	13	65.7

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



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

Gasket Seal

KQ2 Series

Applicable Tubing: Metric Size, Connection Thread: G

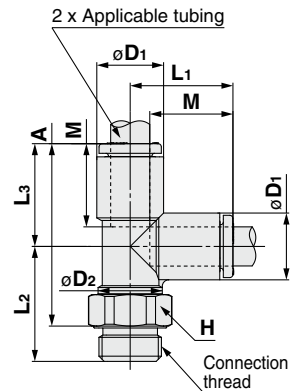
Dimensions

Male Run Tee: KQ2Y (Face seal)



Applicable tubing O.D. [mm]	Connection thread G	Model	H (Width across flats)	øD1	øD2	L1	L2	L3	A	M	Effective area [mm ²]		Min. port size	Weight [g]
											Nylon	Urethane		
ø4	1/8	KQ2Y04-G01□	12	8.2	10	15.3	16.8	15.3	26.6	13.3	6.4	4.4	3	7
	1/4	KQ2Y04-G02□	17	8.2	10	15.3	20.3	15.3	29.1	13.3	6.4	4.4	3	17.5
ø6	1/8	KQ2Y06-G01□	12	10.4	10	16.3	17.9	16.3	28.7	13.3	13.4	10.6	4.5	7.7
	1/4	KQ2Y06-G02□	17	10.4	10	16.3	21.4	16.3	31.2	13.3	13.4	10.6	4.5	18.2
	3/8	KQ2Y06-G03□	21	10.4	10	16.3	22.4	16.3	31.2	13.3	13.4	10.6	4.5	29.9
ø8	1/8	KQ2Y08-G01□	12	13.2	10	18.2	19.3	18.2	32	14.2	13.4	13.4	4.5	9.5
	1/4	KQ2Y08-G02□	17	13.2	12	18.2	22.8	18.2	34.5	14.2	25.6	17.7	6	17.7
	3/8	KQ2Y08-G03□	21	13.2	12	18.2	23.8	18.2	34.5	14.2	25.6	17.7	6	29.7
ø10	1/8	KQ2Y10-G01□	12	15.9	12	20.6	22.5	20.6	37.5	15.6	40	28.4	6	13.2
	1/4	KQ2Y10-G02□	17	15.9	17	20.6	24.6	20.6	38.6	15.6	40	28.4	7.5	20.3
	3/8	KQ2Y10-G03□	21	15.9	17	20.6	27.7	20.6	40.7	15.6	40	28.4	7.5	25.4
	1/2	KQ2Y10-G04□	27	15.9	17	20.6	29.2	20.6	40.7	15.6	40	28.4	7.5	45.3
ø12	1/4	KQ2Y12-G02□	17	18.5	17	23	25.9	23	42.3	17	57.4	45.4	9	23.4
	3/8	KQ2Y12-G03□	21	18.5	17	23	29	23	44.4	17	57.4	45.4	9	28.6
	1/2	KQ2Y12-G04□	27	18.5	17	23	30.4	23	44.4	17	57.4	45.4	9	48.5
ø16	3/8	KQ2Y16-G03□	21	23.8	21	28.6	33.1	28.6	54.2	20.6	81	60	11	42.7
	1/2	KQ2Y16-G04□	27	23.8	21	28.6	33.8	28.6	53.4	20.6	113	60	13	66.2

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

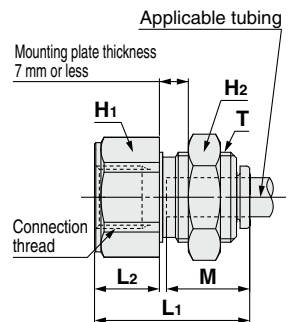


Bulkhead Connector: KQ2E



Applicable tubing O.D. [mm]	Connection thread G	Model	T (M)	H1 (Width across flats)	H2 (Width across flats)	L1	L2	Mounting hole	M	Effective area [mm ²]		Min. port size	Weight [g]
										Nylon	Urethane		
ø4	1/8	KQ2E04-G01□	M12 x 1	14	14	25.1	10.7	13	13.3	5.6	4	3	21.3
	1/4	KQ2E04-G02□	M12 x 1	17	14	30.7	16.3	13	13.3	5.6	4	3	31.5
ø6	1/8	KQ2E06-G01□	M14 x 1	17	17	24.5	10.1	15	13.3	13.1	10.4	4.5	29.8
	1/4	KQ2E06-G02□	M14 x 1	17	17	30	15.6	15	13.3	13.1	10.4	4.5	32.8
	3/8	KQ2E06-G03□	M14 x 1	21	17	32	17.6	15	13.3	13.1	10.4	4.5	45.5
ø8	1/8	KQ2E08-G01□	M16 x 1	17	19	24.7	7.3	17	14.2	26.1	18	6	30.9
	1/4	KQ2E08-G02□	M16 x 1	17	19	30	12.6	17	14.2	26.1	18	6	33.5
	3/8	KQ2E08-G03□	M16 x 1	21	19	33.1	15.7	17	14.2	26.1	18	6	46.1
ø10	1/4	KQ2E10-G02□	M20 x 1	22	24	31	11.6	21	15.6	41.5	29.5	7.5	66.7
	3/8	KQ2E10-G03□	M20 x 1	22	24	32.5	13.1	21	15.6	41.5	29.5	7.5	61.6
ø12	3/8	KQ2E12-G03□	M22 x 1	24	27	33.5	13.1	23	17	58.3	46.1	9	70.4
	1/2	KQ2E12-G04□	M22 x 1	27	27	39.9	19.5	23	17	58.3	46.1	9	94
ø16	3/8	KQ2E16-G03□	M28 x 1.5	30	32	35.9	13	29	20.6	96	67	13	127.6
	1/2	KQ2E16-G04□	M28 x 1.5	30	32	41	18.1	29	20.6	113	67	13	137.2

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



KQ2 Series Spare Parts

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

1 Spare Parts

KQ2-A Series

Description	Part no.	Applicable model	Material	Surface treatment
Pipe nut	KQ04-P01A	KQ2E04-G01A, KQ2E04-G02A	Steel	Zinc chromated
	KQ06-P01A	KQ2E06-G01A, KQ2E06-G02A, KQ2E06-G03A		
	KQ08-P01A	KQ2E08-G01A, KQ2E08-G02A, KQ2E08-G03A		
	KQ10-P01A	KQ2E10-G02A, KQ2E10-G03A		
	KQ12-P01A	KQ2E12-G03A, KQ2E12-G04A		
	KQ16-P01A	KQ2E16-G03A, KQ2E16-G04A		

KQ2-N Series

Description	Part no.	Applicable model	Material	Surface treatment
Pipe nut	KQ04-P01N	KQ2E04-G01N, KQ2E04-G02N	Steel	Nickel plating
	KQ06-P01N	KQ2E06-G01N, KQ2E06-G02N, KQ2E06-G03N		
	KQ08-P01N	KQ2E08-G01N, KQ2E08-G02N, KQ2E08-G03N		
	KQ10-P01N	KQ2E10-G02N, KQ2E10-G03N		
	KQ12-P01N	KQ2E12-G03N, KQ2E12-G04N		
	KQ16-P01N	KQ2E16-G03N, KQ2E16-G04N		

Round
Type



Sealant/Gasket Seal
Metric Size M, R, Rc
Inch Size UNF, NPT

Inch Size M, R, Rc

Metric Size G
Metric Size R, Rc
Inch Size R

Gasket Seal
Metric Size Uni
Inch Size Uni

Face Seal
Metric Size R, Rc
Inch Size R

Inch Size R

Inch Size R

Inch Size R

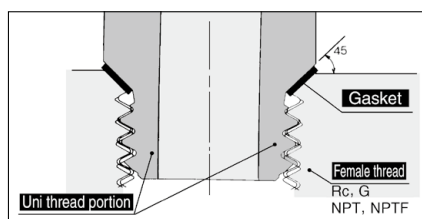
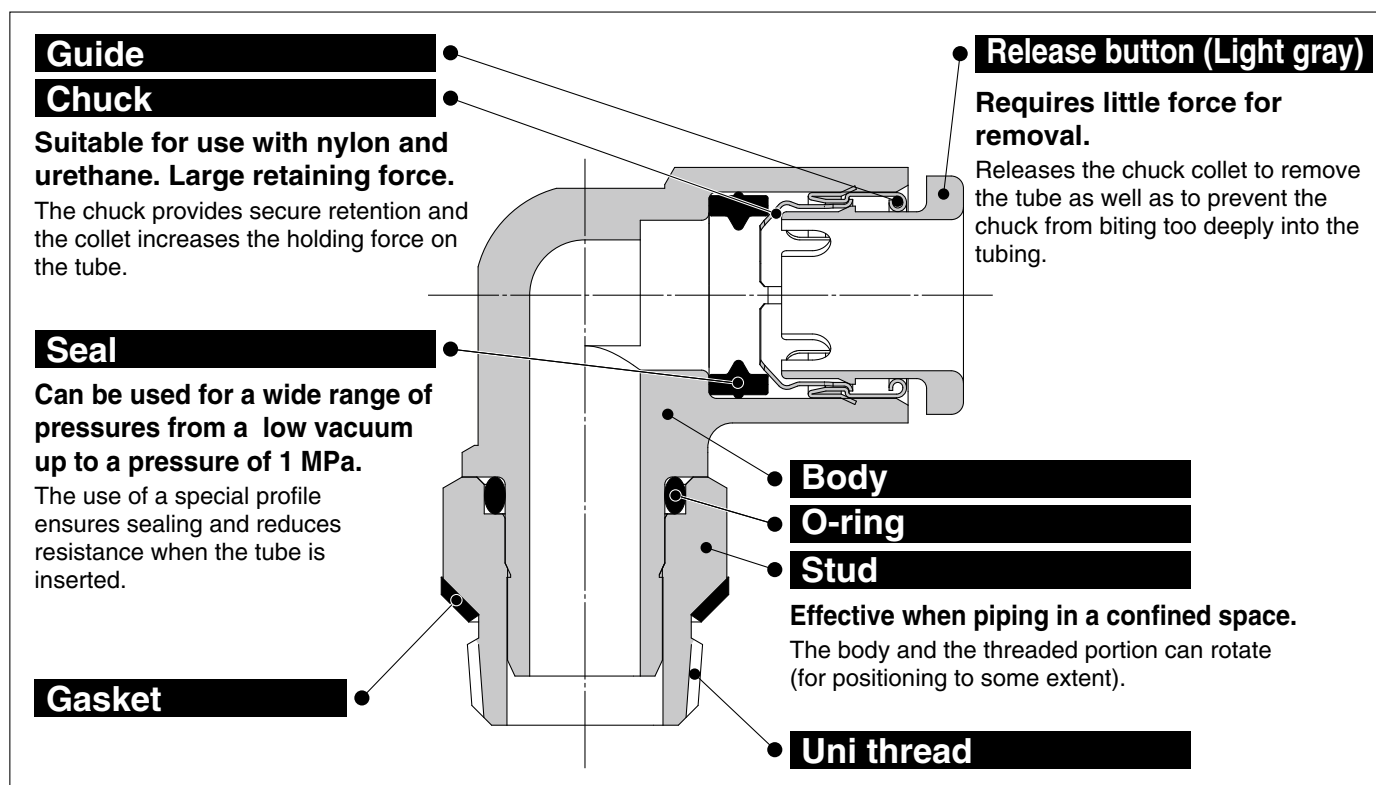
Inch Size R

Inch Size R

Metric Size Uni One-touch Fittings

Applicable Tubing: Metric Size, Connection Thread: Rc, G, NPT, NPTF

KQ2 Series



Uni thread ridge shape

A gasket made of a stainless sheet covered with laminated NBR on both sides is seated on the chamfer of a female thread for a perfect sealing construction irrespective of the difference in thread diameters due to the difference in the types of female threads, variation in tolerance, or difference in the size of chamfer. (It is applicable to any female thread with an ordinary chamfer.)

A ridge shape has been created as a Uni thread for common applications for Rc, G, NPT and NPTF.

Drastically cuts piping work-hours with the gasket seal method.



Applicable Tubing

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

Specifications

Fluid	Air, Water*1 *2
Operating pressure range*3	-100 kPa to 1 MPa
Proof pressure (at 23°C)	3 MPa
Ambient and fluid temperature	-5 to 60°C, Water: 0 to 40°C (No freezing)

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

*2 Deionized water is not recommended for use as it may affect the material used in the fittings. In addition, it is known to degrade the water quality.

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



Made to Order
(Refer to page 207 for details.)

Metric Size Uni One-touch Fittings **KQ2 Series**

Applicable Tubing: Metric Size, Connection Thread: Rc, G, NPT, NPTF

How to Order

Threaded Type

KQ2 H 06 - U01 A

One-touch fittings

Model

Symbol	Model
H	Male connector
S	Hexagon socket head male connector
L	Male elbow
K	45° male elbow
V	Universal male elbow
T	Male branch tee
W	Extended male elbow
Y	Male run tee
U	Branch "Y"

Applicable tubing O.D.

Symbol	Size
04	ø4
06	ø6
08	ø8
10	ø10
12	ø12
16	ø16

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

Thread material/Surface treatment

Symbol	Thread material/Surface treatment
A	Brass
N	Brass + Electroless nickel plating

Port size

Symbol	Size
U01	Uni1/8
U02	Uni1/4
U03	Uni3/8
U04	Uni1/2

Spare Parts

How to Order Gasket

KQG - U01

Gasket for Uni One-touch fittings

Applicable port size

Symbol	Size
U01	Uni1/8
U02	Uni1/4
U03	Uni3/8
U04	Uni1/2

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

Metric Size Uni One-touch Fittings

Round Type Variations

Hexagon socket head male connector

KQ2S

P.204



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



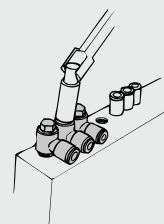
Universal male elbow

KQ2V

P.205



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



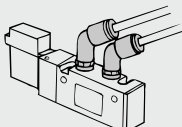
45° male elbow

KQ2K

P.205



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



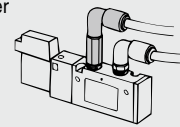
Extended male elbow

KQ2W

P.205



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



Male connector

KQ2H

P.204



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

Male elbow

KQ2L

P.204



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

Male branch tee

KQ2T

P.206



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

Branch "Y"

KQ2U

P.206



Use to branch a female thread in the same direction.

Male run tee

KQ2Y

P.206



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 103 and after for details.

Metric Size Uni One-touch Fittings **KQ2 Series**

Applicable Tubing: Metric Size, Connection Thread: Rc, G, NPT, NPTF

Dimensions

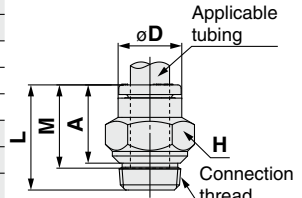
Male Connector: KQ2H (Gasket seal)



Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD	L	A*1	M	Effective area [mm²]		Min. port size	Weight [g]
								Nylon	Urethane		
ø4	1/8	KQ2H04-U01□	10	7.7	15.9	11.1	13.3	4.8	3.4	3	6.6
	1/4	KQ2H04-U02□	14	7.7	15.3	8.9	13.3	4.8	3.4	3	12.7
ø6	1/8	KQ2H06-U01□	12	9.7	16.7	11.9	13.3	13.1	10.4	4.5	6.2
	1/4	KQ2H06-U02□	14	9.7	17	10.6	13.3	13.1	10.4	4.5	12.8
ø8	3/8	KQ2H06-U03□	17	9.7	14.9	8.5	13.3	13.1	10.4	4.5	18.1
	1/8	KQ2H08-U01□	14	13	20.6	15.8	14.2	26.1	18	6	7
ø10	1/4	KQ2H08-U02□	14	13	18.5	12.1	14.2	26.1	18	6	10.1
	3/8	KQ2H08-U03□	17	13	14.9	8.5	14.2	26.1	18	6	15
ø12	1/8	KQ2H10-U01□	17	15.6	22.4	17.6	15.6	26.1	18	6	13.9
	1/4	KQ2H10-U02□	17	15.6	23.7	17.3	15.6	41.5	29.5	7.5	17.6
ø16	3/8	KQ2H10-U03□	17	15.6	19.5	13.1	15.6	41.5	29.5	7.5	15.6
	1/2	KQ2H10-U04□	22	15.6	17	8.4	15.6	41.5	29.5	7.5	29.5
ø12	1/4	KQ2H12-U02□	19	18.2	24.8	18.4	17	58.3	46.1	9	13.8
	3/8	KQ2H12-U03□	19	18.2	21.8	15.4	17	58.3	46.1	9	17.9
ø16	1/2	KQ2H12-U04□	22	18.2	17.7	9.1	17	58.3	46.1	9	25.4
ø16	3/8	KQ2H16-U03□	24	23.6	29.2	22.8	20.6	81	67	11	33.9
	1/2	KQ2H16-U04□	24	23.6	26.8	18.2	20.6	113	67	13	31.5

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

*1 Reference dimensions after installation of Uni thread



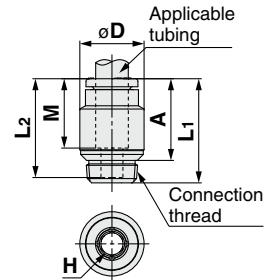
Hexagon Socket Head Male Connector: KQ2S (Gasket seal)



Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD	L1	L2	A*1	M	Effective area [mm²]		Min. port size	Weight [g]
									Nylon	Urethane		
ø4	1/8	KQ2S04-U01□	3	10	20.6	19.6	15.8	13.3	4.1	3.6	3.1	8
ø6	1/8	KQ2S06-U01□	4	12	19.8	18.8	15	13.3	10	9.9	4.1	8.2
	1/4	KQ2S06-U02□	4	14	19.8	18.8	13.4	13.3	10.7	10	4.1	12.3
ø8	1/8	KQ2S08-U01□	5	14	20.7	19.7	15.9	14.2	17.2	16.2	5.1	9.4
	1/4	KQ2S08-U02□	6	14	20.5	19.5	14.1	14.2	23.3	16.2	6.1	10.9
ø10	3/8	KQ2S08-U03□	6	17	20.7	19.7	14.3	14.2	23.3	16.2	6.1	19.8
	1/8	KQ2S10-U01□	5	15.6	22.4	21.1	17.6	15.6	17.2	16.2	5.1	10.5
ø12	1/4	KQ2S10-U02□	8	17	23.7	20.1	17.3	15.6	39	26.6	8.1	15.4
	3/8	KQ2S10-U03□	8	17	21.1	20.1	14.7	15.6	39	26.6	8.1	16.4
ø16	1/2	KQ2S10-U04□	8	21	21.1	20.1	12.5	15.6	39	26.6	8.1	29.7
	1/4	KQ2S12-U02□	8	18.2	27.8	21.5	21.4	17	46	44.5	8.1	20.7
ø12	3/8	KQ2S12-U03□	10	18.2	22.8	21.8	16.4	17	60	44.5	10.1	16.1
	1/2	KQ2S12-U04□	10	21	22.8	21.8	14.2	17	60	44.5	10.1	28.1

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

*1 Reference dimensions after installation of Uni thread



Male Elbow: KQ2L (Gasket seal)

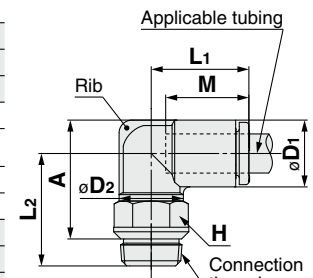


Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD1	øD2	L1	L2	A*1	M	Effective area [mm²]		Min. port size	Weight [g]	With a rib
										Nylon	Urethane			
ø4	1/8	KQ2L04-U01□	10	8.2	10	14.8	16.4	15.7	13.3	4.6	3.3	3	4.8	●
	1/4	KQ2L04-U02□	14	8.2	10	14.8	19.2	16.9	13.3	4.6	3.3	3	11.5	●
ø6	1/8	KQ2L06-U01□	10	10.4	10	15.5	17.5	17.9	13.3	11.4	9	4.5	5.3	—
	1/4	KQ2L06-U02□	14	10.4	10	15.5	20.3	19.1	13.3	11.4	9	4.5	12	—
ø8	3/8	KQ2L06-U03□	17	10.4	10	15.5	21.4	20.2	13.3	11.4	9	4.5	21.4	—
	1/8	KQ2L08-U01□	10	13.2	10	16.4	18.9	20.7	14.2	11.4	11.4	4.5	6.1	●
ø10	1/4	KQ2L08-U02□	14	13.2	12	17.2	22.7	25.0	14.2	21.6	14.9	6	8.6	●
	3/8	KQ2L08-U03□	17	13.2	12	17.2	22.8	23.0	14.2	21.6	14.9	6	20.2	●
ø12	1/8	KQ2L10-U01□	14	15.9	12	18.6	21.5	24.6	15.6	21.6	14.9	6	12.3	●
	1/4	KQ2L10-U02□	17	15.9	17	19.3	24.3	25.8	15.6	35.2	25	7.5	16.9	●
ø16	3/8	KQ2L10-U03□	17	15.9	17	19.3	26.9	28.4	15.6	35.2	25	7.5	17.9	●
	1/2	KQ2L10-U04□	22	15.9	17	19.3	34.5	33.8	15.6	35.2	25	7.5	48.2	●
ø12	1/4	KQ2L12-U02□	17	18.5	17	21.5	25.6	28.4	17	50.2	39.7	9	18.7	●
	3/8	KQ2L12-U03□	17	18.5	17	21.5	28.2	31.0	17	50.2	39.7	9	19.8	●
ø16	1/2	KQ2L12-U04□	22	18.5	17	21.5	35.8	36.4	17	50.2	39.7	9	50	●
	3/8	KQ2L16-U03□	22	23.8	21	27.1	32.4	37.9	20.6	71	58.9	11	37.4	—
	1/2	KQ2L16-U04□	22	23.8	21	27.1	35.0	38.3	20.6	100	58.9	13	47.9	—

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

*1 Reference dimensions after installation of Uni thread

*2 For details, refer to page 207.



Round Type

Metric Size M, R, Rc

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

Gasket Seal

Inch Size Uni

KQ2 Series

Applicable Tubing: Metric Size, Connection Thread: Rc, G, NPT, NPTF

Dimensions

45° Male Elbow: KQ2K (Gasket seal)

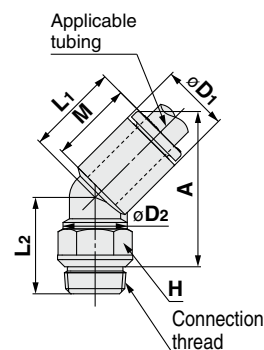


Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD1	øD2	L1	L2	A*1	M	Effective area [mm²]		Min. port size	Weight [g]
										Nylon	Urethane		
ø4	1/8	KQ2K04-U01□	10	8.2	10	14.4	12.9	20.8	13.3	4.8	3.4	4.5	4.7
	1/4	KQ2K04-U02□	14	8.2	10	14.4	14.7	21	13.3	4.8	3.4	4.5	11.3
ø6	1/8	KQ2K06-U01□	10	10.4	10	14.7	15	23.8	13.3	8.7	6.9	4.5	5.1
	1/4	KQ2K06-U02□	14	10.4	10	14.7	16.8	24	13.3	8.7	6.9	4.5	11.7
	3/8	KQ2K06-U03□	17	10.4	10	14.7	17.9	25.1	13.3	8.7	6.9	4.5	21.2
ø8	1/8	KQ2K08-U01□	10	13.2	10	16	15.9	26.5	14.2	8.7	8.7	4.5	6
		KQ2K08-U01□*2	12	13.2	12	16	19.7	30.8	14.2	19.7	13.6	6	8.4
	1/4	KQ2K08-U02□	14	13.2	12	16	18.7	27.7	14.2	19.7	19.7	6	10.7
	3/8	KQ2K08-U03□	17	13.2	12	16	19.8	28.8	14.2	19.7	19.7	6	20
ø10	1/8	KQ2K10-U01□	14	15.9	12	18.2	19.4	32.4	15.6	30.9	23.2	6	12.2
	1/4	KQ2K10-U02□	17	15.9	17	17.6	24.7	35.7	15.6	30.9	23.2	7.5	17
	3/8	KQ2K10-U03□	17	15.9	17	17.6	21.6	32.6	15.6	30.9	23.2	7.5	17.4
	1/2	KQ2K10-U04□	22	15.9	17	17.6	29.2	38	15.6	30.9	23.2	7.5	47.7
ø12	1/4	KQ2K12-U02□	17	18.5	17	19.4	24.6	37.7	17	44.5	35.1	9	18.5
	3/8	KQ2K12-U03□	17	18.5	17	19.4	21.5	34.6	17	44.5	35.1	9	18.9
	1/2	KQ2K12-U04□	22	18.5	17	19.4	29.1	40	17	44.5	35.1	9	49.2

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

*1 Reference dimensions after installation of Uni thread

*2 For details, refer to page 207.



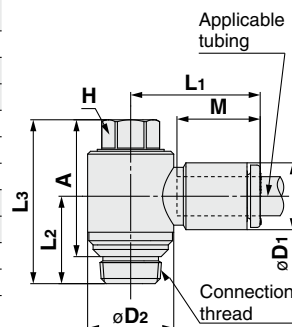
Universal Male Elbow: KQ2V (Gasket seal)



Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD1	øD2	L1	L2	L3	A*1	M	Effective area [mm²]		Min. port size	Weight [g]
											Nylon	Urethane		
ø4	1/8	KQ2V04-U01□	8	8.2	13.4	19.3	13.6	25.5	20.7	13.3	2.9	2.9	4.5	13.5
ø6	1/8	KQ2V06-U01□	8	10.4	13.4	20.5	13.6	25.5	20.7	13.3	7.5	5.9	4.5	13.9
	1/4	KQ2V06-U02□	10	10.4	15.3	19.9	15.4	28	21.6	13.3	7.5	5.9	4.5	21.8
ø8	1/8	KQ2V08-U01□	12	13.2	17.6	23.5	15	27.5	22.7	14.2	16	11.2	6	23.7
	1/4	KQ2V08-U02□	12	13.2	17.6	23.5	17	29.5	23.1	14.2	16	11.2	6	28
	3/8	KQ2V08-U03□	14	13.2	20.6	23.1	18.2	34	27.6	14.2	20.5	14.3	7.5	43.1
ø10	1/4	KQ2V10-U02□	14	15.9	20.6	25.9	19	34	27.6	15.6	27	20.3	7.5	38.9
	3/8	KQ2V10-U03□	14	15.9	20.6	25.9	19	34	27.6	15.6	27	20.3	7.5	44.4
ø12	3/8	KQ2V12-U03□	17	18.5	25.2	28.5	20.2	36.4	30	17	39	30.8	9	60.5
	1/2	KQ2V12-U04□	17	18.5	25.2	28.5	22.9	39.1	30.5	17	39	30.8	9	74.5

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

*1 Reference dimensions after installation of Uni thread



Extended Male Elbow: KQ2W (Gasket seal)

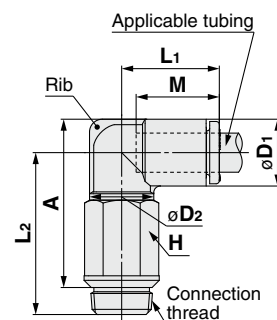


Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD1	øD2	L1	L2	A*1	M	Effective area [mm²]		Min. port size	Weight [g]	With a rib
										Nylon	Urethane			
ø4	1/8	KQ2W04-U01□	10	8.2	10	14.8	24.1	23.4	13.3	4	4	3	8.3	●
	1/4	KQ2W04-U02□	14	8.2	10	14.8	30.1	27.8	13.3	4	4	3	23.9	●
ø6	1/8	KQ2W06-U01□	10	10.4	10	15.5	31.2	31.6	13.3	10.9	8.6	4.5	11.5	—
	1/4	KQ2W06-U02□	14	10.4	10	15.5	31.2	30	13.3	10.9	8.6	4.5	24.3	—
	3/8	KQ2W06-U03□	17	10.4	10	15.5	32.3	31.1	13.3	10.9	8.6	4.5	41	—
ø8	1/8	KQ2W08-U01□	10	13.2	10	16.4	32.6	34.4	14.2	10.9	10.9	4.5	12.3	●
		KQ2W08-U01□*2	12	13.2	12	17.2	43.6	45.4	14.2	20.5	14.2	6	24.7	●
	1/4	KQ2W08-U02□	14	13.2	12	17.2	35.4	35.6	14.2	20.5	14.2	6	24.1	●
	3/8	KQ2W08-U03□	17	13.2	12	17.2	36.5	36.7	14.2	20.5	14.2	6	42.5	●
ø10	1/4	KQ2W10-U02□	17	15.9	17	19.3	48.5	50.1	15.6	33.5	23.8	7.5	54.2	●
	3/8	KQ2W10-U03□	17	15.9	17	19.3	45.8	47.4	15.6	33.5	23.8	7.5	47	●
	1/2	KQ2W10-U04□	22	15.9	17	19.3	53.4	52.8	15.6	33.5	23.8	7.5	95.5	●
ø12	1/4	KQ2W12-U02□	17	18.5	17	21.5	49.8	52.7	17	47.7	37.7	9	55.9	●
	3/8	KQ2W12-U03□	17	18.5	17	21.5	47.1	50	17	47.7	37.7	9	48.9	●
	1/2	KQ2W12-U04□	22	18.5	17	21.5	54.7	55.4	17	47.7	37.7	9	97.4	●

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

*1 Reference dimensions after installation of Uni thread

*2 For details, refer to page 207.



Metric Size Uni One-touch Fittings **KQ2 Series**

Applicable Tubing: Metric Size, Connection Thread: Rc, G, NPT, NPTF

Dimensions

Male Branch Tee: KQ2T (Gasket seal)

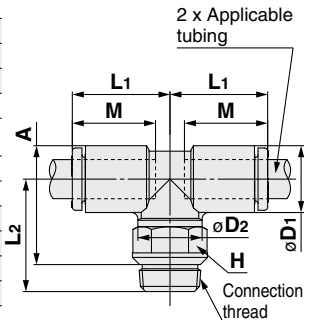


Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD1	øD2	L1	L2	A*1	M	Effective area [mm²]		Min. port size	Weight [g]
										Nylon	Urethane		
ø4	1/8	KQ2T04-U01□	10	8.2	10	14.8	16.4	15.7	13.3	6	4.1	3	5.5
	1/4	KQ2T04-U02□	14	8.2	10	14.8	19.2	16.9	13.3	6	4.1	3	12.2
ø6	1/8	KQ2T06-U01□	10	10.4	10	15.5	17.5	17.9	13.3	13.9	11	4.5	6.2
	1/4	KQ2T06-U02□	14	10.4	10	15.5	20.3	19.1	13.3	13.9	11	4.5	12.9
ø8	3/8	KQ2T06-U03□	17	10.4	10	15.5	21.4	20.2	13.3	13.9	11	4.5	22.3
	1/8	KQ2T08-U01□	10	13.2	10	16.4	18.9	20.7	14.2	13.9	13.9	4.5	7.9
ø8	1/4	KQ2T08-U02□	12	13.2	12	17.2	22.7	25	14.2	26.3	18.2	6	10.3
	3/8	KQ2T08-U03□	17	13.2	12	17.2	22.8	23	14.2	26.3	18.2	6	12.6
ø10	1/8	KQ2T10-U01□	14	15.9	12	18.6	21.4	24.6	15.6	21.6	14.9	6	15.1
	1/4	KQ2T10-U02□	17	15.9	17	19.3	24.2	25.8	15.6	35.2	25	7.5	19.5
ø10	3/8	KQ2T10-U03□	17	15.9	17	19.3	26.8	28.4	15.6	35.2	25	7.5	20.5
	1/2	KQ2T10-U04□	22	15.9	17	19.3	34.4	33.8	15.6	35.2	25	7.5	50.8
ø12	1/4	KQ2T12-U02□	17	18.5	17	21.5	25.5	28.4	17	57.2	45.2	9	22.5
	3/8	KQ2T12-U03□	17	18.5	17	21.5	28.1	31	17	57.2	45.2	9	23.6
ø12	1/2	KQ2T12-U04□	22	18.5	17	21.5	35.7	36.4	17	57.2	45.2	9	53.9
ø16	3/8	KQ2T16-U03□	22	23.8	21	27.1	32.4	37.9	20.6	71	58.9	11	44.3
	1/2	KQ2T16-U04□	22	23.8	21	27.1	35	38.3	20.6	100	58.9	13	54.8

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

*1 Reference dimensions after installation of Uni thread

*2 For details, refer to page 207.



Male Run Tee: KQ2Y (Gasket seal)

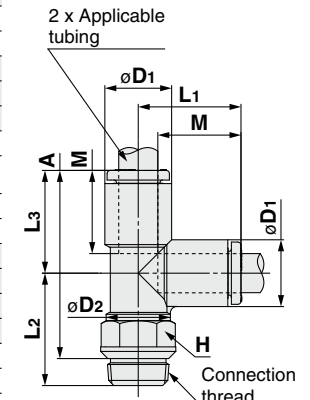


Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD1	øD2	L1	L2	L3	A*1	M	Effective area [mm²]		Min. port size	Weight [g]
											Nylon	Urethane		
ø4	1/8	KQ2Y04-U01□	10	8.2	10	15.3	16.4	15.3	26.9	13.3	6.4	4	3	5.6
	1/4	KQ2Y04-U02□	14	8.2	10	15.3	19.2	15.3	28.1	13.3	6.4	4	3	12.2
ø6	1/8	KQ2Y06-U01□	10	10.4	10	16.3	17.5	16.3	29	13.3	13.4	10.6	4.5	6.3
	1/4	KQ2Y06-U02□	14	10.4	10	16.3	20.3	16.3	30.2	13.3	13.4	10.6	4.5	13
ø6	3/8	KQ2Y06-U03□	17	10.4	10	16.3	21.4	16.3	31.3	13.3	13.4	10.6	4.5	22.5
	1/8	KQ2Y08-U01□	10	13.2	10	18.2	18.9	18.2	32.3	14.2	13.4	13.4	4.5	8
ø8	1/4	KQ2Y08-U02□	12	13.2	12	18.2	22.7	18.2	36.7	14.2	25.6	17.7	6	10.4
	3/8	KQ2Y08-U03□	17	13.2	12	18.2	22.8	18.2	34.6	14.2	25.6	17.7	6	22
ø10	1/8	KQ2Y10-U01□	14	15.9	12	20.6	21.4	20.6	37.3	15.6	40	28.4	6	15.2
	1/4	KQ2Y10-U02□	17	15.9	17	20.6	24.2	20.6	38.5	15.6	40	28.4	7.5	19.7
ø10	3/8	KQ2Y10-U03□	17	15.9	17	20.6	26.8	20.6	41.1	15.6	40	28.4	7.5	20.7
	1/2	KQ2Y10-U04□	22	15.9	17	20.6	34.4	20.6	46.5	15.6	40	28.4	7.5	50.9
ø12	1/4	KQ2Y12-U02□	17	18.5	17	23	25.5	23	42.2	17	57.4	45.4	9	22.8
	3/8	KQ2Y12-U03□	17	18.5	17	23	28.1	23	44.8	17	57.4	45.4	9	23.9
ø12	1/2	KQ2Y12-U04□	22	18.5	17	23	35.7	23	50.2	17	57.4	45.4	9	54.2
ø16	3/8	KQ2Y16-U03□	22	23.8	21	28.6	32.4	28.6	54.6	20.6	81	60	11	44.9
	1/2	KQ2Y16-U04□	22	23.8	21	28.6	35	28.6	55	20.6	113	60	13	55.4

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

*1 Reference dimensions after installation of Uni thread

*2 For details, refer to page 207.



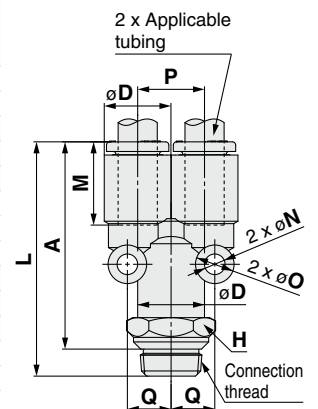
Branch "Y": KQ2U (Gasket seal)



Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD	L	P	A*1	M	Q	Mounting hole			Effective area [mm²]	Min. port size	Weight [g]
										øO	øN	Thickness			
ø4	1/8	KQ2U04-U01□	11	8.2	35.4	8.2	30.6	13.3	5.7	6	3.2	8.2	4.2	3.6	8.6
	1/4	KQ2U04-U02□	14	8.2	37.4	8.2	31	13.3	5.7	6	3.2	8.2	4.2	3.6	14.6
ø6	1/8	KQ2U06-U01□	12	10.4	36.8	10.4	32	13.3	6.8	6	3.2	10.4	13.4	5.4	10
	1/4	KQ2U06-U02□	14	10.4	38.5	10.4	32.1	13.3	6.8	6	3.2	10.4	13.4	5.4	15
ø6	3/8	KQ2U06-U03□	17	10.4	39.3	10.4	32.9	13.3	6.8	6	3.2	10.4	13.4	5.4	23.3
ø8	1/8	KQ2U08-U01□	14	13.2	41.6	13.2	36.8	14.2	8.7	8	4.2	13.2	25.6	6	17.6
	1/4	KQ2U08-U02□	14	13.2	42.6	13.2	36.2	14.2	8.7	8	4.2	13.2	25.6	7.3	18.3
ø8	3/8	KQ2U08-U03□	17	13.2	42.4	13.2	36	14.2	8.7	8	4.2	13.2	25.6	7.3	25.5
ø10	1/4	KQ2U10-U02□	17	15.9	47.6	15.9	41.2	15.6	10.1	8	4.2	15.9	40	9	25.3
	3/8	KQ2U10-U03□	19	15.9	47.5	15.9	41.1	15.6	10.1	8	4.2	15.9	40	9.4	31.6
ø10	1/2	KQ2U10-U04□	22	15.9	49.4	15.9	40.8	15.6	10.1	8	4.2	15.9	40	9.4	47.6
ø12	1/4	KQ2U12-U02□	22	18.5	52.1	18.5	45.7	17	11.4	8	4.2	18.5	57.4	9	42.6
	3/8	KQ2U12-U03□	22	18.5	52	18.5	45.6	17	11.4	8	4.2	18.5	57.4	11	41.2
ø12	1/2	KQ2U12-U04□	22	18.5	53.4	18.5	44.8	17	11.4	8	4.2	18.5	57.4	11.6	48.8

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

*1 Reference dimensions after installation of Uni thread



Round Type

Metric Size M, R, Rc

Inch Size UNF, NPT

Sealant/Gasket Seal

Inch Size M, R, Rc

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
X12	Lubricant: White vaseline Release button color: White
X35 *1	Body color: Black Release button color: Light gray
X41	With fixed orifice*2
KQ2□08-U01□Q	Effective area is interchangeable with the current product (KQ series). Applicable model: Male elbow 45° male elbow Extended male elbow Male branch tee Male run tee Applicable tubing O.D./Port size: ø8/Uni1/8 Thread material/Surface treatment: Brass, Brass + Electroless nickel plating Example) KQ2L08-U01AQ

*1 The following models are not available as made-to-order: Hexagon socket head male connector/KQ2S, 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
X17	Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue
X29	Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue Copper-free (With electroless nickel plating)
X39	Grease-free Rubber material: NBR (With fluorine coating) Release button color: Light blue Clean (Copper-free, air blow, double packaging, resin body: white)

3 Spare Parts

Description	Part no.	Applicable thread
Gasket	KQG-U01	Uni1/8
	KQG-U02	Uni1/4
	KQG-U03	Uni3/8
	KQG-U04	Uni1/2

2 Clean Series

Symbol	Specifications
10-	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-KQ2H06-U01N**