R 1/8

RELATED ONE-TOUCH FITTINGS

KQ2 series

Metric Fitting

KQ2 series

Unifit Fitting

KQ2 series

NPT Fitting

R 1/4

KQG2 series

Stainless SUS316 Steel

KQB2 series

Brass Fitting

KR series

Spatter Resistant Fitting

R 3/8

RELATED PRODUCTS

TIUB series

Polyurethane Tubing

TK series

Tube Cutter

AS-FS series

Speed Controller

R 1/2

SMC

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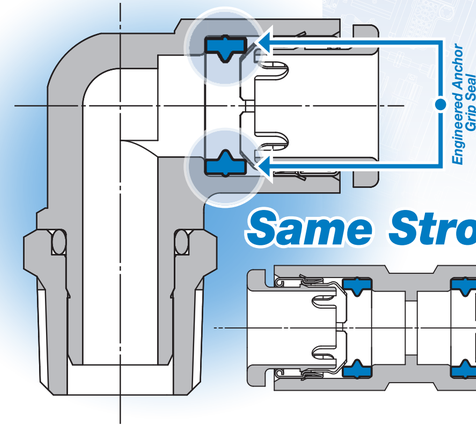
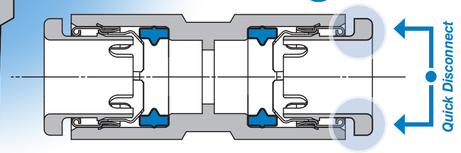
METRIC TYPE

series KQ2

One-Touch Fittings with a wide variety of sizes, body styles, & thread types



Same Strong Hold



- *Easy Tube Insertion/Removal*
- *Compact & Lightweight*
- *Quick Installation*
- *Numerous Variations in Stock*

Metric	M, R, G, Uni
Inch	UNF, NPT, M, R, Uni

Quick Reference Guide
Metric Type

series KQ2

How to Order

KQ2 H 06-01 A S ☐

Model

H	Male Connector
S	Hexagon Socket Head Male Connector
L	Male Elbow
LU	Male Branch Connector*
K	45 Degree Male Elbow
V	Universal Male Elbow
VS	Hexagon Socket Head Universal Male Elbow
VF	Universal Female Elbow
LF	Female Elbow
VD	Double Universal Male Elbow
VT	Triple Universal Male Elbow
Z	Branch Universal Male Elbow*
ZF	Branch Universal Male Elbow*
ZD	Double Branch Universal Male Elbow*
ZT	Triple Branch Universal Male Elbow*
W	Extended Male Elbow
T	Male Branch Tee
Y	Male Run Tee
D	Male Delta Union
U	Branch "Y"*
UD	Delta Branch*
E	Bulkhead Union & Connector
LE	Bulkhead Male Elbow
N	Adaptor

*Oval button not available

Tube O.D.

02	Ø2
23	Ø3.2
04	Ø4
06	Ø6
08	Ø8
10	Ø10
12	Ø12
16	Ø16

Applicable Thread Type

Thread Connection	00	Same Diameter Tubing*
	M3	M3 x 0.5
	M5	M5 x 0.8
	M6	M6 x 1.0
	01	R1/8, Rc1/8
	02	R1/4, Rc1/4
	03	R3/8, Rc3/8
	04	R1/2, Rc1/2

Button Type

Nil	Round
I	Oval*

*Applicable to 3.2, 4, 6mm only

Thread Sealing Method

Nil	None
S	With Thread Sealant

Thread Material / Plating

A		Brass
N		Brass + Electroless Nickel Plated
G		Stainless Steel 303 (Connection Thread/ Only Male Thread & M3)
Bulkhead Union	☐J	Interchangable with former KJE

KQ2 H 06-00 A ☐

Model

H	Straight Union
	Different Diameter Straight
L	Union Elbow
	Plug-in Elbow
LU	Branch Union Elbow*
W	Extended Plug-in Elbow
T	Union Tee
	Different Diameter Tee
TW	Cross
TX	Different Diameter Cross
TY	Different Diameter Cross
D	Delta Union
U	Union "Y"*
	Plug-In "Y"*
	Different Diameter Union "Y"*
UD	Different Diameter Double Union "Y"*
X	Different Diameter Plug-in "Y"*
R	Plug-in Reducer
XD	Double Plug-in "Y"*

*Oval button not available

Tube O.D.

02	Ø2
23	Ø3.2
04	Ø4
06	Ø6
08	Ø8
10	Ø10
12	Ø12
16	Ø16

Button Type

Nil	Round
I	Oval*

*Applicable to 3.2, 4, 6mm only

Applicable Thread Type

Tubing (Rod) Connection	00	Same Diameter Tubing
	99	Same Diameter Rod
Different Diameter Tubing (Reducer)	Ø3.2	Ø3.2
	Ø4	Ø4
	Ø6	Ø6
	Ø8	Ø8
	Ø10	Ø10
	Ø12	Ø12
	Ø16	Ø16

Accessories

Symbol	Name
KQ2N	Nipple
	Reducer Nipple
KQ2C	Tube Cap
KQ2P	Plug

SMC

series KQ2

*1 Insert 1 for Oval Button
[ ] Thread Material/Surface treatment
A = Brass
N = Brass + Nickel Plated

KQ2C Series
Tube Cap
Use to plug unused tubing.

App. Tube O.D. [mm]	Model
ø4	KQ2C04-00A*1
ø6	KQ2C06-00A*1
ø8	KQ2C08-00A
ø10	KQ2C10-00A
ø12	KQ2C12-00A
ø16	KQ2C16-00A

KQ2E Series
Bulkhead Union
Use to connect tubing through a panel, etc.

App. Tube O.D. [mm]	Model
ø3.2	KQ2E23-00□*1
ø4	KQ2E04-00□
ø6	KQ2E06-00□*1
ø8	KQ2E08-00□
ø10	KQ2E10-00□
ø12	KQ2E12-00□
ø16	KQ2E16-00□

KQ2E Series
Bulkhead Connector
Use to connect tubing through a panel, etc.

App. Tube O.D. [mm]	Connecting Thread	Model
ø3.2	1/4	KQ2E23-02□*1
ø4	1/8	KQ2E04-01□*1
	1/4	KQ2E04-02□*1
ø6	1/8	KQ2E06-01□*1
	1/4	KQ2E06-02□*1
	3/8	KQ2E06-03□*1
ø8	1/8	KQ2E08-01□
	1/4	KQ2E08-02□
	3/8	KQ2E08-03□
ø10	1/4	KQ2E10-02□
	3/8	KQ2E10-03□
ø12	3/8	KQ2E12-03□
	1/2	KQ2E12-04□
ø16	3/8	KQ2E16-03□
	1/2	KQ2E16-04□

KQ2F Series
Female Connector
Use to pipe a male thread of a pressure gauge, etc.

App. Tube O.D. [mm]	Connecting Thread	Model
ø3.2	M3 x 0.5	KQ2F23-M3G*1
	M5 x 0.8	KQ2F23-M5□*1
ø4	M3 x 0.5	KQ2F04-M3G*1
	M5 x 0.8	KQ2F04-M5□*1
	1/8	KQ2F04-01□*1
	1/4	KQ2F04-02□*1
ø6	M5 x 0.8	KQ2F06-M5□*1
	1/8	KQ2F06-01□*1
	1/4	KQ2F06-02□*1
	3/8	KQ2F06-03□*1
ø8	1/8	KQ2F08-01□
	1/4	KQ2F08-02□
	3/8	KQ2F08-03□
ø10	1/4	KQ2F10-02□
	3/8	KQ2F10-03□
ø12	1/4	KQ2F12-02□
	3/8	KQ2F12-03□
	1/2	KQ2F12-04□
ø16	3/8	KQ2F16-03□
	1/2	KQ2F16-04□

KQ2H Series
Straight Union
Use to connect tubing in the same direction.

App. Tube O.D. [mm]	Model
ø2	KQ2H02-00A*1
ø3.2	KQ2H23-00A*1
ø4	KQ2H04-00A*1
ø6	KQ2H06-00A*1
ø8	KQ2H08-00A
ø10	KQ2H10-00A
ø12	KQ2H12-00A
ø16	KQ2H16-00A

KQ2H Series
Male Connector
Use to pipe a female thread. Most general model.

App. Tube O.D. [mm]	Connecting Thread	Model
ø2	M3 x 0.5	KQ2H02-M3G*1
	M5 x 0.8	KQ2H02-M5□*1
ø3.2	M3 x 0.5	KQ2H23-M3G*1
	M5 x 0.8	KQ2H23-M5□*1
	1/8	KQ2H23-01□S*1
	1/4	KQ2H23-02□S*1
ø4	M3 x 0.5	KQ2H04-M3G*1
	M5 x 0.8	KQ2H04-M5□*1
	1/8	KQ2H04-01□S*1
	1/4	KQ2H04-02□S*1
ø6	M5 x 0.8	KQ2H06-M5□*1
	1/8	KQ2H06-01□S*1
	1/4	KQ2H06-02□S*1
	3/8	KQ2H06-03□S*1
ø8	1/8	KQ2H08-01□S
	1/4	KQ2H08-02□S
	3/8	KQ2H08-03□S
ø10	1/8	KQ2H10-01□S
	1/4	KQ2H10-02□S
	3/8	KQ2H10-03□S
	1/2	KQ2H10-04□S
ø12	1/4	KQ2H12-02□S
	3/8	KQ2H12-03□S
	1/2	KQ2H12-04□S
ø16	1/4	KQ2H16-02□S
	3/8	KQ2H16-03□S
	1/2	KQ2H16-04□S

KQ2H Series
Different Diameter Straight
Use to connect tubing of different sizes.

App. Tube O.D. [mm]		Model
A	B	
ø2	ø3.2	KQ2H02-23A*1
	ø4	KQ2H02-04A*1
ø3.2	ø4	KQ2H23-04A*1
	ø6	KQ2H23-06A*1
ø4	ø6	KQ2H04-06A*1
	ø8	KQ2H04-08A*1
ø6	ø8	KQ2H06-08A*1
	ø10	KQ2H06-10A*1
ø8	ø10	KQ2H08-10A
	ø12	KQ2H08-10A
ø10	ø12	KQ2H10-12A
ø12	ø16	KQ2H08-10A

KQ2K Series
45° Male Elbow
Use to pipe a female thread at a 45° angle. Model in between of male connector and male elbow.

App. Tube O.D. [mm]	Connecting Thread	Model
ø4	M5 x 0.8	KQ2K04-M5□*1
	M5 x 1.0	KQ2K04-M5□*1
	1/4	KQ2K04-01□S
	1/8	KQ2K04-02□S*1
ø6	M5 x 0.8	KQ2K06-M5□*1
	M5 x 1.0	KQ2K06-M6□*1
	1/8	KQ2K06-01□S*1
	1/4	KQ2K06-02□S*1
	3/8	KQ2K06-03□S*1
ø8	1/8	KQ2K08-01□S
	1/4	KQ2K08-02□S
	3/8	KQ2K08-03□S
ø10	1/8	KQ2K10-01□S
	1/4	KQ2K10-02□S
	3/8	KQ2K10-03□S
	1/2	KQ2K10-04□S
ø12	1/4	KQ2K12-02□S
	3/8	KQ2K12-03□S
	1/2	KQ2K12-04□S
ø16	1/4	KQ2K16-02□S
	3/8	KQ2K16-03□S
	1/2	KQ2K16-04□S

KQ2L Series
Plug-in Elbow
Use to change the tube direction from One-touch fittings by 90°.

App. Tube O.D. [mm]	Model
ø3.2	KQ2L23-99A*1
ø4	KQ2L04-99A*1
ø6	KQ2L06-99A*1
ø8	KQ2L08-99A
ø10	KQ2L10-99A
ø12	KQ2L12-99A
ø16	KQ2L16-99A

KQ2L Series
Reducer Elbow
Use to change the tube direction from One-touch fittings by 90° and to reduce size.

App. Tube O.D. [mm]	Connecting Thread	Model
ø3.2	ø4	KQ2L23-04A*1
	ø6	KQ2L23-06A*1
ø4	ø6	KQ2L04-06A*1
	ø8	KQ2L04-08A*1
ø6	ø8	KQ2L06-08A*1
	ø10	KQ2L06-10A*1
ø8	ø10	KQ2L08-10A
	ø12	KQ2L08-12A
ø10	ø12	KQ2L10-12A
ø12	ø16	KQ2L12-16A

KQ2L Series
Union Elbow
Use to connect One-touch fittings.

App. Tube O.D. [mm]	Model
ø3.2	KQ2L23-00A*1
ø4	KQ2L04-00A*1
ø6	KQ2L06-00A*1
ø8	KQ2L08-00A
ø10	KQ2L10-00A
ø12	KQ2L12-00A
ø16	KQ2L16-00A

KQ2L Series
Male Elbow
Use to pipe a female thread at right angles. Most general model.

App. Tube O.D. [mm]	Connecting Thread	Model
ø2	M3 x 0.5	KQ2L02-M3G *1
	M5 x 0.8	KQ2L02-M5□ *1
ø3.2	M3 x0.5	KQ2L23-M3G *1
	M5 x0.8	KQ2L23-M5□ *1
	1/8	KQ2L23-01□S *1
	1/4	KQ2L23-02□S *1
ø4	M3 x 0.5	KQ2L04-M3G *1
	M5 x 0.8	KQ2L04-M5□ *1
	1/8	KQ2L04-01□S *1
	1/4	KQ2L04-02□S *1
ø6	M5 x 0.8	KQ2L06-M5□ *1
	1/8	KQ2L06-01□S *1
	1/4	KQ2L06-02□S *1
	3/8	KQ2L06-03□S *1
ø8	1/8	KQ2L08-01□S
	1/4	KQ2L08-02□S
	3/8	KQ2L08-03□S
ø10	1/8	KQ2L10-01□S
	1/4	KQ2L10-02□S
	3/8	KQ2L10-03□S
	1/2	KQ2L10-04□S
ø12	1/4	KQ2L12-02□S
	3/8	KQ2L12-03□S
	1/2	KQ2L12-04□S
ø16	1/4	KQ2L16-02□S
	3/8	KQ2L16-03□S
	1/2	KQ2L16-04□S

KQ2LE Series
Bulkhead Male Elbow
Use to connect tubing through a panel, etc. and to change the tube direction by 90°.

App. Tube O.D. [mm]	Model
ø4	KQ2LE04-00□ *1
ø6	KQ2LE06-00□ *1
ø8	KQ2LE08-00□
ø10	KQ2LE10-00□
ø12	KQ2LE12-00□

KQ2N Series
Nipple
Use to connect One-touch fittings.

App. Tube O.D. [mm]	Model
ø4	KQ2N04-99
ø6	KQ2N06-99
ø8	KQ2N08-99
ø10	KQ2N10-99
ø12	KQ2N12-99
ø16	KQ2N16-99

KQ2LF Series
Female Elbow
Use to pipe a male thread at right angles.

App. Tube O.D. [mm]	Connecting Thread	Model
ø4	M5 x 0.8	KQ2LF04-M5□
	1/8	KQ2LF04-01□
	1/4	KQ2LF04-02□
ø6	M5 x 0.8	KQ2LF06-M5□
	1/8	KQ2LF06-01□
	1/4	KQ2LF06-02□
	3/8	KQ2LF06-03□
ø8	1/8	KQ2LF08-01□
	1/4	KQ2LF08-02□
	3/8	KQ2LF08-03□
ø10	1/4	KQ2LF10-02□
	3/8	KQ2LF10-03□
	1/2	KQ2LF10-04□
ø12	1/4	KQ2LF12-02□
	3/8	KQ2LF12-03□
	1/2	KQ2LF12-04□

KQ2N Series
Adapter
Use to connect One-touch fittings and R female thread.

App. Tube O.D. [mm]	Connecting Thread	Model
ø4	M5 x 0.8	KQ2E04-M5□
	1/8	KQ2E04-01□S
ø6	M5 x 0.8	KQ2E06-M5□
	1/8	KQ2E06-01□S
	1/4	KQ2E06-02□S
ø8	1/4	KQ2E08-03□S
	3/8	KQ2E08-04□S
ø10	3/8	KQ2E10-03□

KQ2N Series
Reducer Nipple
Use to connect One-touch fittings of different sizes.

App. Tube O.D. [mm]		Model
A	B	
ø4	ø6	KQ2T04-06A*1
ø6	ø8	KQ2T06-08A*1
ø8	ø10	KQ2T08-04A
ø10	ø12	KQ2T06-04A
ø12	ø16	KQ2T06-04A

KQ2P Series
Plug
Use to plug unused One-touch fittings.

App. Tube O.D. [mm]	Model
ø2	KJP-02
ø3.2	KQ2P-23
ø4	KQ2P-04
ø6	KQ2P-06
ø8	KQ2P-08
ø10	KQ2P-10
ø12	KQ2P-12
ø16	KQ2P-16

KQ2P Series
Plug
Use to plug unused One-touch fittings.

App. Tube O.D. [mm]	Model
ø2	KJP-02
ø3.2	KQ2P-23
ø4	KQ2P-04
ø6	KQ2P-06
ø8	KQ2P-08
ø10	KQ2P-10
ø12	KQ2P-12
ø16	KQ2P-16

KQ2R Series
Plug-in Reducer
Use to change size of One-touch fittings.

App. Tube O.D. [mm]	Applicable Fitting Size	Model
ø2	ø4	KQ2R02-04A
ø3.2	ø4	KQ2R23-04A*1
	ø6	KQ2R23-06A*1
ø4	ø6	KQ2R04-06A*1
	ø8	KQ2R04-08A*1
	ø10	KQ2R04-10A*1
ø6	ø4	KQ2R06-04A*1
	ø8	KQ2R06-08A*1
	ø10	KQ2R06-10A*1
	ø12	KQ2R06-12A*1
ø8	ø10	KQ2R08-10A
	ø12	KQ2R08-12A
ø10	ø12	KQ2R10-12A
	ø16	KQ2R10-16A
ø12	ø16	KQ2R12-16A

KQ2S Series
Hexagon Socket Head Male Connector
Internal hexagon socket allows tightening with a hexagon wrench inconfined spaces.

App. Tube O.D. [mm]	Connecting Thread	Model
ø3.2	M5 x 0.8	KQ2S23-M5□
ø4	M5 x 0.8	KQ2S04-M5□
	1/8	KQ2S04-01□S
	M5 x 0.8	KQ2S06-M5□
ø6	1/8	KQ2S06-01□S
	1/4	KQ2S06-02□S
ø8	1/8	KQ2S08-01□S
	1/4	KQ2S08-02□S
	3/8	KQ2S08-03□S
ø10	1/8	KQ2S10-01□S
	1/4	KQ2S10-02□S
	3/8	KQ2S10-03□S
	1/2	KQ2S10-04□S
ø12	1/4	KQ2S12-02□S
	3/8	KQ2S12-03□S
	1/2	KQ2S12-04□S
ø16	1/4	KQ2S16-02□S
	3/8	KQ2S16-03□S
	1/2	KQ2S16-04□S

KQ2T Series
Union Tee
Use to branch tubing at both 90° angles.

App. Tube O.D. [mm]	Model
ø2	KQ2T02-00A
ø3.2	KQ2T23-00A
ø4	KQ2T04-00A
ø6	KQ2T06-00A
ø8	KQ2T08-00A
ø10	KQ2T10-00A
ø12	KQ2T12-00A
ø16	KQ2T16-00A

KQ2T Series
Male Branch Tee
Use to branch a female thread at both 90° angles.

App. Tube O.D. [mm]	Connecting Thread	Model
ø2	M3 x 0.5	KQ2T02-M3G*1
	M5 x 0.8	KQ2T02-M5□*1
ø3.2	M3 x 0.5	KQ2T23-M3G*1
	M5 x 0.8	KQ2T23-M5□*1
	1/8	KQ2T23-01□S*1
	1/4	KQ2T23-02□S*1
ø4	M3 x 0.5	KQ2T04-M3G*1
	M5 x 0.8	KQ2T04-M5□*1
	M5 x 0.8	KQ2T04-M6□*1
	1/8	KQ2T04-01□S*1
	1/4	KQ2T04-02□S*1
ø6	M5 x 0.8	KQ2T06-M5□*1
	M5 x 0.8	KQ2T06-M6□*1
	1/8	KQ2T06-01□S*1
	1/4	KQ2T06-02□S*1
	3/8	KQ2T06-03□S*1
ø8	1/8	KQ2T08-01□S
	1/4	KQ2T08-02□S
	3/8	KQ2T08-03□S
ø10	1/8	KQ2T10-01□S
	1/4	KQ2T10-02□S
	3/8	KQ2T10-03□S
	1/2	KQ2T10-04□S
ø12	1/4	KQ2T12-02□S
	3/8	KQ2T12-03□S
	1/2	KQ2T12-04□S
ø16	1/4	KQ2T16-02□S
	3/8	KQ2T16-03□S
	1/2	KQ2T16-04□S

KQ2T Series
Different Diameter Tee
Use to connect tubing for branching at 90° angle with size reduced from the same piping.

App. Tube O.D. [mm]		Model
A	B	
ø3.2	ø4	KQ2T23-04A*1
ø4	ø6	KQ2T04-06A*1
ø6	ø4	KQ2T06-04A*1
	ø8	KQ2T06-08A*1
	ø6	KQ2T08-06A
ø8	ø10	KQ2T08-04A
	ø12	KQ2T06-04A
ø10	ø8	KQ2T06-04A
	ø12	KQ2T06-04A
ø12	ø8	KQ2T06-04A
	ø10	KQ2T06-04A
	ø16	KQ2T06-04A

KQ2TW Series
Cross
Use to four-branch line.

App. Tube O.D. [mm]	Model
ø4	KQ2TW04-00A*1
ø6	KQ2TW06-00A*1
ø8	KQ2TW08-00A
ø10	KQ2TW10-00A
ø12	KQ2TW12-00A

KQ2U Series
Different Diameter Union "Y"
Use to connect tubing for branching with size reduced.

App. Tube O.D. [mm]		Model
A x2	B	
ø2	ø3.2	KQ2U02-23A
ø2	ø4	KQ2U02-04A
ø3.2	ø4	KQ2U23-04A
ø4	ø6	KQ2U04-06A
ø4	ø8	KQ2U23-04A
ø6	ø8	KQ2U06-08A
ø6	ø10	KQ2U06-08A
ø8	ø10	KQ2U08-10A
ø10	ø12	KQ2U10-12A
ø12	ø16	KQ2U12-16A

KQ2U Series
Branch "Y"
Use to branch a female thread.

App. Tube O.D. [mm]	Connecting Thread	Model
ø3.2	M5 x 0.8	KQ2U23-M5□
	1/8	KQ2U23-01□S
	1/4	KQ2U23-02□S
ø4	M5 x 0.8	KQ2U04-M5□
	M6 x 1.0	KQ2U04-M6□
	1/8	KQ2U04-01□S
	1/4	KQ2U04-02□S
ø6	M5 x 0.8	KQ2U06-M5□
	M6 x 1.0	KQ2U06-M6□
	1/8	KQ2U06-01□S
	1/4	KQ2U06-02□S
	3/8	KQ2U06-03□S
ø8	1/8	KQ2U08-01□S
	1/4	KQ2U08-02□S
	3/8	KQ2U08-03□S
ø10	1/8	KQ2U10-02□S
	3/8	KQ2U10-03□S
	1/2	KQ2U10-04□S
ø12	1/4	KQ2U12-02□S
	3/8	KQ2U12-03□S
	1/2	KQ2U12-04□S
ø10	1/4	KQ2U16-02□S
	3/8	KQ2U16-03□S
	1/2	KQ2U16-04□S

KQ2U Series
Union "Y"
Use to branch tubing in the same direction.

App. Tube O.D. [mm]	Model
ø2	KQ2U02-00A
ø3.2	KQ2U23-00A
ø4	KQ2U04-00A
ø6	KQ2U06-00A
ø8	KQ2U08-00A
ø10	KQ2U10-00A
ø12	KQ2U12-00A
ø16	KQ2U16-00A

KQ2U Series
Plug-in "Y"
Use to branch One-touch fittings.

App. Tube O.D. [mm]	Applicable Fitting Size	Model
ø3.2	ø3.2	KQ2U23-99A
ø4	ø4	KQ2U04-99A
ø6	ø6	KQ2U06-99A
ø8	ø8	KQ2U08-99A
ø10	ø10	KQ2U10-99A
ø12	ø12	KQ2U12-99A
ø16	ø16	KQ2U16-99A

KQ2UD Series
Delta Branch
Use to four-branch a female thread.

App. Tube O.D. [mm]	Connecting Thread	Model
ø4	1/8	KQ2UD04-01□S
	1/4	KQ2UD04-02□S
ø6	1/8	KQ2UD06-01□S
	1/4	KQ2UD06-02□S

KQ2V Series
Universal Male Elbow
Hexagon head of the body allows tightening with a box wrench in confined spaces.

App. Tube O.D. [mm]	Connecting Thread	Model
ø4	M5 x 0.8	KQ2V04-M5□*1
	1/8	KQ2V04-01□S*1
ø6	M5 x 0.8	KQ2V06-M5□*1
	1/8	KQ2V06-01□S*1
	1/4	KQ2V06-02□S*1
ø8	1/8	KQ2V08-01□S
	1/4	KQ2V08-02□S
	3/8	KQ2V08-03□S
ø10	1/4	KQ2V10-02□S
	3/8	KQ2V10-03□S
ø12	3/8	KQ2V12-03□S
	1/2	KQ2V12-04□S
ø16	3/8	KQ2V16-03□S
	1/2	KQ2V16-04□S

KQ2VD Series
Double Universal Male Elbow
Use to branch a female thread at right angles. Two individual parts rotate 360°.

App. Tube O.D. [mm]	Connecting Thread	Model
ø4	1/8	KQ2VD04-01□S*1
	1/4	KQ2VD04-02□S*1
	3/8	KQ2VD04-03□S*1
ø6	1/8	KQ2VD06-01□S*1
	1/4	KQ2VD06-02□S*1
	3/8	KQ2VD06-03□S*1
ø8	1/8	KQ2VD08-01□S
	1/4	KQ2VD08-02□S
	3/8	KQ2VD08-03□S
	1/2	KQ2VD08-04□S
ø10	1/4	KQ2VD10-02□S
	3/8	KQ2VD10-03□S
	1/2	KQ2VD10-04□S
ø12	1/4	KQ2VD12-02□S
	3/8	KQ2VD12-03□S
	1/2	KQ2VD12-04□S

KQ2VF Series
Universal Female Elbow
Use to branch a male or female thread at a 90° angle. Multiple connections possible.

App. Tube O.D. [mm]	Connecting Thread	Model
ø4	M5 x 0.8	KQ2VF04-M5□*1
	1/8	KQ2VF04-01□S*1
ø6	M5 x 0.8	KQ2VF06-M5□*1
	1/8	KQ2VF06-01□S*1
	1/4	KQ2VF06-02□S*1
ø8	1/8	KQ2VF08-01□S
	1/4	KQ2VF08-02□S
	3/8	KQ2VF08-03□S
ø10	1/4	KQ2VF10-02□S
	3/8	KQ2VF10-03□S
ø12	3/8	KQ2VF12-03□S
	1/2	KQ2VF12-04□S

KQ2VS Series
Hexagon Socket Head Universal Male
Hexagon socket on the top allows tightening with a hexagon wrench in confined spaces.

App. Tube O.D. [mm]	Connecting Thread	Model
ø4	M5 x 0.8	KQ2VS04-M5□*1
	1/8	KQ2VS04-01□S*1
ø6	M5 x 0.8	KQ2VS06-M5□*1
	1/8	KQ2VS06-01□S*1
	1/4	KQ2VS06-02□S*1
ø8	1/8	KQ2VS08-01□S
	1/4	KQ2VS08-02□S
	3/8	KQ2VS08-03□S
ø10	1/8	KQ2VS10-02□S
	3/8	KQ2VS10-03□S
ø12	3/8	KQ2VS12-03□S
	1/2	KQ2VS12-04□S

KQ2VT Series
Triple Universal Male Elbow
Use to three-branch female thread at right angles. Three individual parts rotate 360°

App. Tube O.D. [mm]	Connecting Thread	Model
ø4	1/8	KQ2VT04-01□S*1
	1/4	KQ2VT04-02□S*1
	3/8	KQ2VT06-03□S*1
ø6	1/8	KQ2VT06-01□S*1
	1/4	KQ2VT06-02□S*1
	3/8	KQ2VT06-03□S*1
ø8	1/8	KQ2VT08-01□S
	1/4	KQ2VT08-02□S
	3/8	KQ2VT08-03□S
	1/2	KQ2VT08-04□S
ø10	1/4	KQ2VT10-02□S
	3/8	KQ2VT10-03□S
	1/2	KQ2VT10-04□S
ø12	1/4	KQ2VT12-02□S
	3/8	KQ2VT12-03□S
	1/2	KQ2VT12-04□S
ø16	1/8	KQ2VT16-01□S
	1/4	KQ2VT16-02□S
	3/8	KQ2VT16-03□S

KQ2W Series
Extended Male Elbow
Use with male elbow for fittings to avoid interferring with each other by making the piping multi-level.

App. Tube O.D. [mm]	Connecting Thread	Model
ø2	M3 x 0.5	KQ2W02-M3G*1
	M5 x 0.8	KQ2W02-M5□*1
ø3.2	M3 x 0.5	KQ2W23-M3G*1
	M5 x 0.8	KQ2W23-M5□*1
	1/8	KQ2W23-01□S*1
	1/4	KQ2W23-02□S*1
ø4	M3 x 0.5	KQ2W04-M3G*1
	M5 x 0.8	KQ2W04-M5□*1
	1/8	KQ2W04-01□S*1
	1/4	KQ2W04-02□S*1
ø6	M5 x 0.8	KQ2W06-M5□*1
	1/8	KQ2W06-01□S*1
	1/4	KQ2W06-02□S*1
	3/8	KQ2W06-03□S*1
ø8	1/8	KQ2W08-01□S
	1/4	KQ2W08-02□S
	3/8	KQ2W08-03□S
ø10	1/4	KQ2W10-02□S
	3/8	KQ2W10-03□S
	1/2	KQ2W10-04□S
ø12	1/4	KQ2W12-02□S
	3/8	KQ2W12-03□S
	1/2	KQ2W12-04□S
ø16	1/4	KQ2W16-02□S
	3/8	KQ2W16-03□S
	1/2	KQ2W16-04□S

KQ2X Series
Different Diameter Plug-in "Y"
Use to branch One-touch fittings with size reduced.

App. Tube O.D. [mm]	Connecting Thread	Model
ø3.2	ø4	KQ2X23-04A
ø4	ø6	KQ2X04-06A
ø6	ø8	KQ2X06-08A
ø8	ø10	KQ2X08-10A
ø10	ø12	KQ2X10-12A

KQ2Y Series
Male Run Tee
Use to branch a female thread at 90° angle.

App. Tube O.D. [mm]	Connecting Thread	Model
ø2	M3 x 0.5	KQ2Y02-M3G*1
	M5 x 0.8	KQ2Y02-M5□*1
ø3.2	M3 x 0.5	KQ2Y23-M3G*1
	M5 x 0.8	KQ2Y23-M5□*1
	1/8	KQ2Y23-01□S*1
	1/4	KQ2Y23-02□S
ø4	M3 x 0.5	KQ2Y04-M3G*1
	M5 x 0.8	KQ2Y04-M5□*1
	M6 x 1.0	KQ2Y04-M5□*1
	1/8	KQ2Y04-01□S*1
	1/4	KQ2Y04-02□S*1
ø6	M5 x 0.8	KQ2Y06-M5□*1
	M6x 1.0	KQ2Y06-M6□S*
	1/4	VKQ2Y06-01□S*1
	1/4	VKQ2Y06-02□S*1
	3/8	VKQ2Y06-03□S*1
ø8	1/8	KQ2Y08-01□S
	1/4	KQ2Y08-02□S
	3/8	KQ2Y08-03□S
ø10	1/8	KQ2Y10-01□S
	1/4	KQ2Y10-02□S
	3/8	KQ2Y10-03□S
	1/2	KQ2Y10-04□S
ø12	1/4	KQ2Y12-02□S
	3/8	KQ2Y12-02□S
	1/2	KQ2Y12-03□S
ø16	1/8	KQ2Y16-02□S
	1/4	KQ2Y16-02□S
	3/8	KQ2Y16-03□S

KQ2Z Series
Branch Universal Male Elbow
Hexagon head of the body allows tightening with a box wrench. Use for branch connections.

App. Tube O.D. [mm]	Connecting Thread	Model
ø4	M5 x 0.8	KQ2Z04-M5□
	1/8	KQ2Z04-01□S
ø6	1/8	KQ2Z06-01□S
	1/4	KQ2Z06-02□S
	3/8	KQ2Z06-03□S
ø8	1/8	KQ2Z08-01□S
	1/4	KQ2Z08-02□S
	3/8	KQ2Z08-03□S
ø10	1/4	KQ2Z10-02□S
	3/8	KQ2Z10-03□S
ø12	3/8	KQ2Z12-03□S
	1/2	KQ2Z12-04□S

KQ2ZD Series
Double Branch Universal Male Elbow
Use to four-branch a female thread at right angles. Two individual parts rotate 360°.

App. Tube O.D. [mm]	Connecting Thread	Model
ø4	1/8	KQ2ZD04-01□S
	1/4	KQ2ZD04-02□S
	3/8	KQ2ZD04-03□S
ø6	1/8	KQ2ZD06-01□S
	1/4	KQ2ZD06-02□S
	3/8	KQ2ZD06-03□S
ø8	1/8	KQ2ZD08-01□S
	1/4	KQ2ZD08-02□S
	3/8	KQ2ZD08-03□S
	1/2	KQ2ZD08-04□S
ø10	1/4	KQ2ZD10-02□S
	3/8	KQ2ZD10-03□S
	1/2	KQ2ZD10-04□S
ø12	1/4	KQ2ZD12-02□S
	3/8	KQ2ZD12-03□S
	1/2	KQ2ZD12-04□S

KQ2ZT Series
Triple Branch Universal Male Elbow
Use to six-branch a female thread at right angles. Three individual parts rotate 360°.

App. Tube O.D. [mm]	Connecting Thread	Model
ø4	1/8	KQ2ZT04-01□S
	1/4	KQ2ZT04-02□S
	3/8	KQ2ZT04-03□S
ø6	1/8	KQ2ZT06-01□S
	1/4	KQ2ZT06-02□S
	3/8	KQ2ZT06-03□S
ø8	1/8	KQ2ZT08-01□S
	1/4	KQ2ZT08-02□S
	3/8	KQ2ZT08-03□S
	1/2	KQ2ZT08-04□S
ø10	1/4	KQ2ZT10-02□S
	3/8	KQ2ZT10-03□S
	1/2	KQ2ZT10-04□S
ø12	1/4	KQ2ZT12-02□S
	3/8	KQ2ZT12-03□S
	1/2	KQ2ZT12-04□S

R 1/8

R 1/4

R 3/8

R 1/2