

series

# KQ2



## Metric Size One-Touch Fittings

Applicable Tubing: Metric; Thread: M, R, Rc

Move

Forward

with

**AUTOMATION**

**CONTROLS**

**PROCESS**

Move

Forward

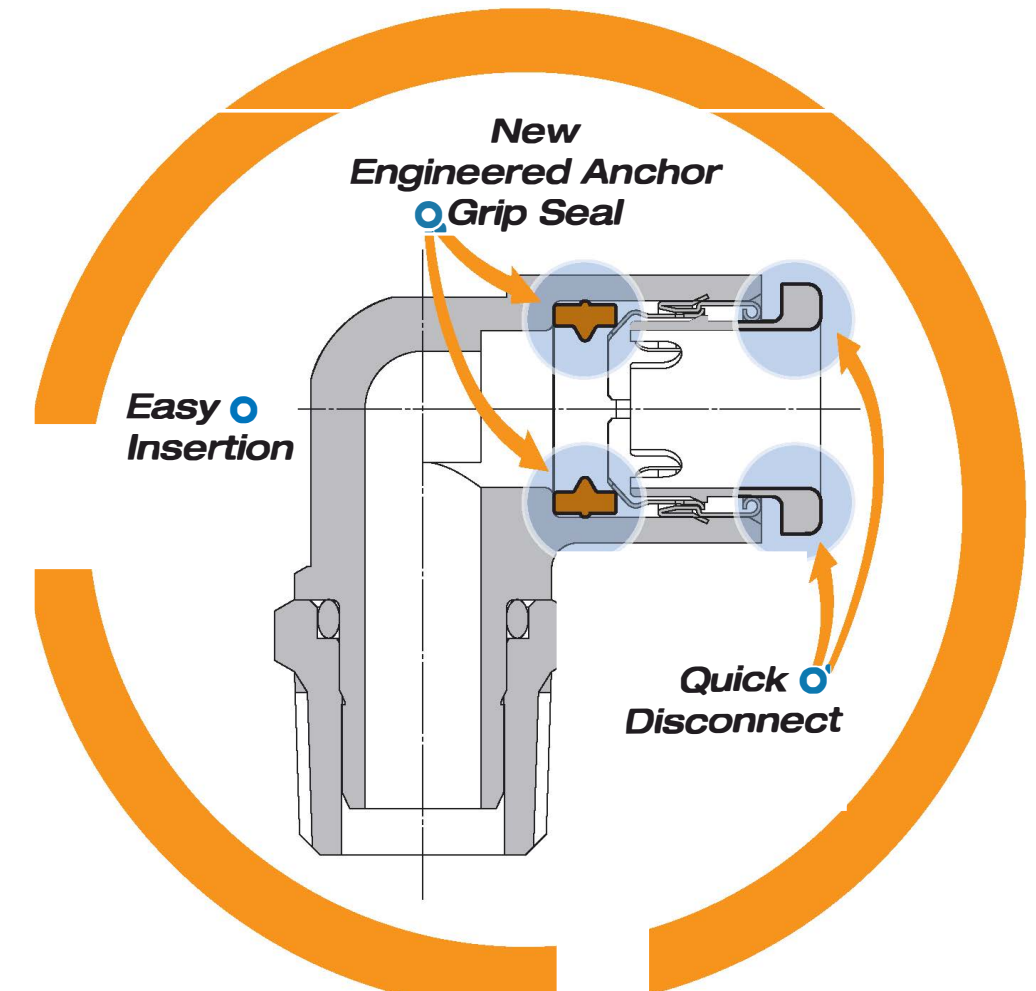
with



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For Complete KQ2 Listing and Information:  
[www.smcusa.com/kq2](http://www.smcusa.com/kq2)  
For 3D CAD Information: [www.smcusa.com/cad](http://www.smcusa.com/cad)

**[ ] Thread Material/Surface treatment**  
A = Brass  
N = Brass + Nickel Plated



### KQ2C Tube Cap

Use to plug unused tubing.

Applicable tube O.D. [mm]	Model
ø4	KQ2C04-00A
ø6	KQ2C06-00A
ø8	KQ2C08-00A
ø10	KQ2C10-00A
ø12	KQ2C12-00A

### KQ2E Bulkhead Union

Use to connect tubing through a panel, etc.

Applicable tube O.D. [mm]	Model
ø3.2	KQ2E23-00
ø4	KQ2E04-00
ø6	KQ2E06-00
ø8	KQ2E08-00
ø10	KQ2E10-00
ø12	KQ2E12-00

### KQ2E Bulkhead Connector

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

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

### KQ2 F Female Elbow

Use to pipe a male thread at right angles.

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

### KQ2F Female Connector

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

Applicable Tube O.D. [mm]	Connecting Thread	Model
ø4	M5 x 0.8	KQ2F04-M5
ø6	1/8	KQ2F06-01
ø8	1/4	KQ2F08-02
ø10	3/8	KQ2F10-03
ø12	1/2	KQ2F12-04

### KQ2H Different Diameter Straight

Use to connect tubing of different sizes.

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

### KQ2 Male Connector

Use to pipe a female thread. Most general model.

Applicable Tube O.D. [mm]	Connecting Thread	Model
ø2	ø3.2	KQ2H02-23A
ø4	ø4	KQ2H04-00A
ø6	ø4	KQ2H23-04A
ø8	ø6	KQ2H23-06A
ø10	ø6	KQ2H04-06A
ø12	ø8	KQ2H06-08A
	ø10	KQ2H08-10A
	ø12	KQ2H10-12A

### KQ2 Plug-in Elbow

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

Applicable Tube O.D. [mm]	Connecting Thread	Model
ø2	M3 x 0.5	KQ2H02-M3G
ø4	M5 x 0.8	KQ2H02-M5
ø6	M3 x 0.3	KQ2H23-M3G
ø8	M5 x 0.8	KQ2H23-M5
ø10	1/8	KQ2H23-01
ø12	1/4	KQ2H23-02
ø14	1/4	KQ2H04-01
ø16	1/8	KQ2H04-02
ø18	1/8	KQ2H06-01
ø20	3/8	KQ2H06-02
ø22	1/2	KQ2H06-03
ø24	1/8	KQ2H08-01
ø26	1/4	KQ2H08-02
ø28	3/8	KQ2H08-03
ø30	1/2	KQ2H10-01
ø32	1/2	KQ2H10-02
ø34	1/4	KQ2H10-03
ø36	1/2	KQ2H10-04
ø38	1/4	KQ2H12-02
ø40	3/8	KQ2H12-03
ø42	1/2	KQ2H12-04
ø44	1/4	KQ2H16-02
ø46	3/8	KQ2H16-03
ø48	1/2	KQ2H16-04

### KQ2H Straight Union

Use to connect tubing in the same direction.

Applicable tube O.D. [mm]	Model
ø2	KQ2H02-00A
ø3.2	KQ2H23-00A
ø4	KQ2H04-00A
ø6	KQ2H06-00A
ø8	KQ2H08-00A
ø10	KQ2H10-00A
ø12	KQ2H12-00A

### KQ2K 45° Male Elbow

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

Applicable tube O.D. [mm]	Connecting Thread	Model
ø4	M5 x 0.8	KQ2K04-M5
ø6	1/8	KQ2K04-01
ø8	M5 x 0.8	KQ2K06-M5
ø10	1/8	KQ2K06-01
ø12	3/8	KQ2K06-02
ø14	1/8	KQ2K06-03
ø16	1/8	KQ2K08-01
ø18	1/4	KQ2K08-02
ø20	3/8	KQ2K08-03
ø22	1/8	KQ2K10-01
ø24	1/4	KQ2K10-02
ø26	1/4	KQ2K12-02
ø28	3/8	KQ2K12-03
ø30	1/2	KQ2K16-04

### KQ2L Plug-in Elbow

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

Applicable tube O.D. [mm]	Model
ø2	KQ2L23-99A
ø4	KQ2L04-99A
ø6	KQ2L06-99A
ø8	KQ2L08-99A
ø10	KQ2L10-99A
ø12	KQ2L12-99A

### KQ2L Reducer Elbow

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

Applicable tube O.D. [mm]	Applicable Fitting Size	Model
ø3.2	ø4	KQ2L23-04A
ø4	ø6	KQ2L23-06A
ø6	ø8	KQ2L04-06A
ø8	ø8	KQ2L04-08A
ø10	ø8	KQ2L06-08A
ø12	ø10	KQ2L06-10A
ø14	ø10	KQ2L12-04A
ø16	ø12	KQ2L08-12A
ø18	ø10	KQ2L10-12A
ø20	ø12	KQ2L10-12A
ø22	ø16	KQ2L12-16A

### KQ2L Union Elbow

Use to connect tubing at right angles.

Applicable tube O.D. [mm]	Model
ø2	KQ2R02-04A
ø4	KQ2R23-04A
ø6	KQ2R23-06A
ø8	KQ2R04-06A
ø10	KQ2R04-08A
ø12	KQ2R04-10A
ø14	KQ2R06-04A
ø16	KQ2R06-08A
ø18	KQ2R06-10A
ø20	KQ2R06-12A
ø22	KQ2R08-12A
ø24	KQ2R08-12A
ø26	KQ2R10-12A
ø28	KQ2R10-16A
ø30	KQ2R12-16A

### KQ2L Male Elbow

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

Applicable tube O.D. [mm]	Connecting Thread	Model
ø2	M3 x 0.5	KQ2L02-M3G
ø4	M5 x 0.8	KQ2L02-M5
ø6	M3 x 0.3	KQ2L23-M3G
ø8	M5 x 0.8	KQ2L23-M5
ø10	1/8	KQ2L23-01
ø12	1/4	KQ2L23-02
ø14	1/4	KQ2L04-M3G
ø16	M5 x 0.8	KQ2L04-M5
ø18	1/8	KQ2L04-01
ø20	1/8	KQ2L08-01
ø22	3/8	KQ2L08-03
ø24	1/4	KQ2L08-02
ø26	1/8	KQ2L06-01
ø28	1/8	KQ2L06-02
ø30	3/8	KQ2L06-03
ø32	1/8	KQ2L10-01
ø34	1/4	KQ2L10-02
ø36	3/8	KQ2L10-03
ø38	1/2	KQ2L10-04
ø40	1/4	KQ2L12-02
ø42	3/8	KQ2L12-03
ø44	1/2	KQ2L12-04
ø46	3/8	KQ2L16-03
ø48	1/2	KQ2L16-04

### KQ2L Bulkhead Male Elbow

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

Applicable tube O.D. [mm]	Model
ø4	KQ2LE04-00
ø6	KQ2LE06-00
ø8	KQ2LE08-00
ø10	KQ2LE10-00

### KQ2L Nipple

Use to connect One-touch fittings.

Applicable 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

### KQ2L Different Diameter Tee

Use to connect tubing for branching at 90° angle with size reduced from the same piping.

Applicable 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

### KQ2L Plug

Use to plug unused One-touch fittings.

Applicable tube O.D. [mm]	Model
ø2	KJP-02
ø3.2	KQ2P-23
ø4	KQ2P-04
ø6	KQ2P-06
ø8	KQ2P-08
ø10	KQ2P-10

### KQ2R Plug-in Reducer

Use to change size of One-touch fittings.

Applicable tube O.D. [mm]	Applicable Fitting Size	Model
ø2	ø4	KQ2R02-04A
ø3.2	ø4	KQ2R23-04A
ø4	ø6	KQ2R23-06A
ø6	ø6	KQ2R04-06A
ø8	ø8	KQ2R04-08A
ø10	ø8	KQ2R04-10A
ø12	ø10	KQ2R06-04A
ø14	ø8	KQ2R06-08A
ø16	ø10	KQ2R06-10A
ø18	ø12	KQ2R06-12A
ø20	ø10	KQ2R08-12A
ø22	ø12	KQ2R10-12A
ø24	ø16	KQ2R12-16A

### KQ2R Hexagon Socket Head Male Connector

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

Applicable tube O.D. [mm]	Connecting Thread	Model
ø3.2	M5 x 0.8	KQ2S23-M5
ø4	M5 x 0.8	KQ2S04-M5
ø6	1/8	KQ2S04-01
ø8	M5 x 0.8	KQ2S06-M5
ø10	1/8	KQ2S06-01
ø12	3/8	KQ2S06-02
ø14	1/4	KQ2S08-01
ø16	1/4	KQ2S08-02
ø18	3/8	KQ2S08-03
ø20	1/2	KQ2S10-01
ø22	1/4	KQ2S10-02
ø24	3/8	KQ2S10-03
ø26	1/2	KQ2S10-04
ø28	1/4	KQ2S12-02
ø30	3/8	KQ2S12-03
ø32	1/2	K Q2S12-04

### KQ2S Union Tee

Use to branch tubing at both 90° angles.

Applicable 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

### KQ2U Different Diameter Union "Y"

Use to connect tubing for branching with size reduced.

Applicable 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

### KQ2U Branch "Y"

Use to branch a female thread.

Applicable tube O.D. [mm]	Connecting Thread	Model
ø2	ø3.2	KQ2U02-23A
ø3.2	ø4	KQ2U02-04A
ø4	ø4	KQ2U02-04A
ø6	ø6	KQ2U04-06A
ø8	ø8	KQ2U06-08A
ø10	ø10	KQ2U08-10A
ø12	ø12	KQ2U10-12A
ø14	ø16	KQ2U12-16A

### KQ2U Branch "Y"

Use to branch a female thread.

Applicable tube O.D. [mm]	Connecting Thread	Model
ø2	ø3.2	KQ2U02-23A
ø3.2	ø4	KQ2U02-04A
ø4	ø4	KQ2U02-04A
ø6	ø6	KQ2U04-06A
ø8	ø8	KQ2U06-08A
ø10	ø10	KQ2U08-10A
ø12	ø12	KQ2U10-12A
ø14	ø16	KQ2U12-16A

### KQ2T Male Branch Tee

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

Applicable tube O.D. [mm]	Connecting Thread	Model
ø2	M3 x 0.5	KQ2T02-M3G
ø4	M5 x 0.8	KQ2T02-M5
ø6	M3 x 0.5	KQ2T23-M3G
ø8	M5 x 0.8	KQ2T23-M5
ø10	1/8	KQ2T23-01
ø12	1/4	KQ2T23-02
ø14	1/4	KQ2T04-M3G
ø16	M5 x 0.8	KQ2T04-M5
ø18	1/	