

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

Applicable Tubing: Inch Size, Connection Thread: UNF, NPT

How to Order

Threaded Type

KQ2 H 05 - 34 A S

One-touch fittings

Model

Symbol	Model
H	Male connector
S	Hexagon socket head male connector
F	Female connector
L	Male elbow
K	45° 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
ZD	Double branch universal male elbow
ZT	Triple branch universal male elbow
W	Extended male elbow
T	Male branch tee
Y	Male run tee
U	Branch "Y"
E	Bulkhead union
	Bulkhead connector
LE	Bulkhead male elbow

Male thread seal method

Symbol	Seal method
Nil	None
S	With thread sealant

Thread material/Surface treatment

Symbol	Thread material/Surface treatment
A	Brass
N	Brass + Electroless nickel plating
Bulkhead union	☐ J Interchangeable with KJE

* ☐: A, N

Port size/Applicable tubing O.D.

Symbol	Size
32	10-32UNF
33	NPT1/16
34	NPT1/8
35	NPT1/4
36	NPT3/8
37	NPT1/2
Tubing connection	00*1 Same diameter tubing

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

Applicable tubing O.D.

Symbol	Size
01	ø1/8"
03	ø5/32"
05	ø3/16"
07	ø1/4"
09	ø5/16"
11	ø3/8"
13	ø1/2"

Spare Parts

Use the part number below to order the gasket for sealing 10-32UNF thread.
Gasket for 10-32UNF: M-5G2

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

Tube - Tube Type

KQ2 H 05 - 00 A

One-touch fittings

Model

Symbol	Model
H	Straight union
	Different diameter straight
L	Union elbow
	Plug-in elbow
	Reducer elbow
R	Plug-in reducer
T	Union tee
	Different diameter tee
TW	Cross
U	Union "Y"
	Plug-in "Y"
	Different diameter union "Y"
X	Different diameter plug-in "Y"

Port size/Applicable tubing O.D.

Symbol	Size
00	Same diameter tubing
99	Same diameter rod
01	ø1/8"
03	ø5/32"
05	ø3/16"
07	ø1/4"
09	ø5/16"
11	ø3/8"
13	ø1/2"

Applicable tubing O.D.

Symbol	Size
01	ø1/8"
03	ø5/32"
05	ø3/16"
07	ø1/4"
09	ø5/16"
11	ø3/8"
13	ø1/2"

Accessories

Symbol	Name
KQ2N	Nipple
KQ2C	Reducer nipple
KQ2P	Plug

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

Applicable Tubing: Inch Size, Connection Thread: UNF, NPT

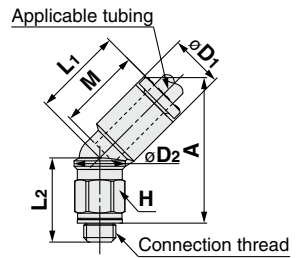
Dimensions

45° Male Elbow: KQ2K (Gasket seal)



Applicable tubing O.D. [inch]	Connection thread UNF	Model	H (Width across flats)	øD1	øD2	L1	L2	A	M	Effective area [mm²]		Min. port size	Weight [g]
										Nylon	Urethane		
ø1/8	10-32UNF	KQ2K01-32□	7	7.1	8	14.4	13	21.9	13.3	3	2.5	2.5	2.8
ø5/32	10-32UNF	KQ2K03-32□	7	8.2	8	14.4	13	22.2	13.3	3.4	3.4	2.5	3
ø1/4	10-32UNF	KQ2K07-32□	7	11.1	8	14.9	16.5	26.8	13.3	3.5	3.5	2.5	3.6

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



45° Male Elbow: KQ2K (Sealant)

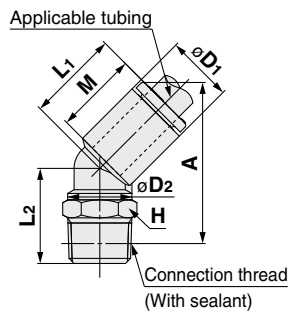


Applicable tubing O.D. [inch]	Connection thread NPT	Model	H (Width across flats)	øD1	øD2	L1	L2	A*1	M	Effective area [mm²]		Min. port size	Weight [g]
										Nylon	Urethane		
ø1/8	1/8	KQ2K01-34□S	11.11	7.1	10	14.3	12.7	21.8	13.3	3	2.5	2.5	5.3
ø5/32	1/8	KQ2K03-34□S	11.11	8.2	10	14.4	12.7	22.2	13.3	4.8	3.4	3	5.5
ø3/16	1/8	KQ2K05-34□S	11.11	9.1	10	14.5	13.2	23.1	13.3	6.8	5.6	3.5	5.6
ø1/4	1/8	KQ2K07-34□S	11.11	11.1	10	14.8	15.2	25.8	13.3	11.3	10	4.5	6
	1/4	KQ2K07-35□S	14.29	11.1	10	14.8	19.6	29	13.3	11.3	10	4.5	15.6
	3/8	KQ2K07-36□S	17.46	11.1	10	14.8	21	30.1	13.3	11.3	10	4.5	27.8
ø5/16	1/8	KQ2K09-34□S	11.11	13.2	10	16	15.7	27.9	14.2	11.3	11.3	4.5	6.8
		KQ2K09-34□S*2	12.7	13.2	12	16	20.5	32.7	14.2	19.7	19.7	6	9.7
	1/4	KQ2K09-35□S	14.29	13.2	12	16	21.1	32.1	14.2	19.7	19.7	6	13.9
ø3/8	3/8	KQ2K09-36□S	17.46	13.2	12	16	22.5	33.2	14.2	19.7	19.7	6	26
	1/8	KQ2K11-34□S	12.7	15.4	12	18.1	21.1	35.5	15.6	21.2	21.2	6	11.7
	1/4	KQ2K11-35□S	17.46	15.4	17	17.7	28.6	41.5	15.6	28.8	23.8	7	21.8
	3/8	KQ2K11-36□S	17.46	15.4	17	17.7	23.5	36.1	15.6	28.8	23.8	7	19.2
ø1/2	1/2	KQ2K11-37□S	22.23	15.4	17	17.7	27.7	38.6	15.6	28.8	23.8	7	45.7
	1/4	KQ2K13-35□S	17.46	19.3	17	19.4	28.7	44.1	17	50.3	44.4	9	23.8
	3/8	KQ2K13-36□S	17.46	19.3	17	19.4	23.6	38.7	17	56	44.4	9.5	19.9
	1/2	KQ2K13-37□S	22.23	19.3	17	19.4	27.8	41.2	17	56	44.4	9.5	46

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

*1 Reference dimensions after installation of NPT thread

*2 For details, refer to page 156.

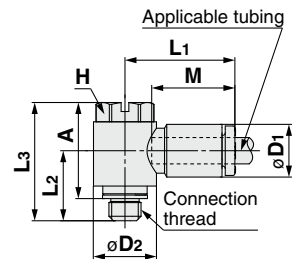


Universal Male Elbow: KQ2V (Gasket seal)



Applicable tubing O.D. [inch]	Connection thread UNF	Model	H (Width across flats)	øD1	øD2	L1	L2	L3	A	M	Effective area [mm²]		Min. port size	Weight [g]
											Nylon	Urethane		
ø1/8	10-32UNF	KQ2V01-32□	8	7.1	9.8	17.5	10.4	17.9	14.9	13.3	2.2	1.9	2.5	5.2
ø5/32	10-32UNF	KQ2V03-32□	8	8.2	9.8	17.5	10.4	17.9	14.9	13.3	2.9	2.9	2.5	5.3
ø1/4	10-32UNF	KQ2V07-32□	8	11.1	13.4	20.6	12.1	24	20.5	13.3	2.9	2.9	2.5	12.2

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



Universal Male Elbow: KQ2V (Sealant)



Applicable tubing O.D. [inch]	Connection thread NPT	Model	H (Width across flats)	øD1	øD2	L1	L2	L3	A*1	M	Effective area [mm²]		Min. port size	Weight [g]
											Nylon	Urethane		
ø1/8	1/8	KQ2V01-34□S	8	7.1	13.4	19.3	13.7	25.6	22.4	13.3	2.2	1.9	2.5	13.5
ø5/32	1/8	KQ2V03-34□S	8	8.2	13.4	19.3	13.7	25.6	22.4	13.3	2.9	2.9	3	13.6
ø3/16	1/8	KQ2V05-34□S	8	9.1	13.4	19.6	13.7	25.6	22.4	13.3	4.5	3.7	3.5	13.7
ø1/4	1/8	KQ2V07-34□S	8	11.1	13.4	20.6	13.7	25.6	22.4	13.3	7.5	6.6	4.5	14.1
	1/4	KQ2V07-35□S	8	11.1	15.3	19.9	18.7	32.1	27.7	13.3	7.5	6.6	4.5	25.6
ø5/16	1/8	KQ2V09-34□S	11.11	13.2	17.6	23.5	15.1	27.6	24.4	14.2	16	11.2	6	22.3
	1/4	KQ2V09-35□S	11.11	13.2	17.6	23.5	18.5	31	26.6	14.2	16	11.2	6	29.2
	3/8	KQ2V09-36□S	12.7	13.2	20.6	23.1	19.5	35.3	30.6	14.2	16	11.2	6	44.1
ø3/8	1/4	KQ2V11-35□S	12.7	15.4	20.6	25.8	19.6	34.9	30.5	15.6	23.4	19.3	7	37.5
	3/8	KQ2V11-36□S	12.7	15.4	20.6	25.8	20	35.3	30.6	15.6	23.4	19.3	7	45.2
ø1/2	3/8	KQ2V13-36□S	17.46	19.3	27	30.5	20.2	35.1	30.4	17	38.8	34.3	9	64
	1/2	KQ2V13-37□S	17.46	19.3	27	30.5	23.4	38.3	31.9	17	38.8	34.3	9	82.6

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

*1 Reference dimensions after installation of NPT thread

