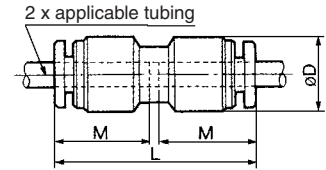


Straight Union: KQ2H



Applicable tubing O.D. (inch)	Model	Note) ϕD	L	M	Min. port size	Mass (g)
1/8	KQ2H01-00	9.6	31.5	15.5	2.5	3
5/32	KQ2H03-00	10.4	32.5	16	3	3
3/16	KQ2H05-00	11.4	34	16.5	3.5	4
1/4	KQ2H07-00	13.2	34.5	17	4.6	4
5/16	KQ2H09-00	15.2	38.5	18.5	6	6
3/8	KQ2H11-00	17.9	42.5	21	7	11
1/2	KQ2H13-00	21.7	44.5	22	9.6	16

Note) ϕD : Max. diameter

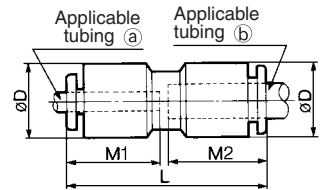


Different Diameter Straight: KQ2H



Applicable tubing O.D. (inch)		Model	Note) ϕD	L	M1	M2	Min. port size	Mass (g)
(a)	(b)							
1/8	5/32	KQ2H01-03	10.4	32.5	15.5	16	2.5	3
	1/4	KQ2H01-07	13.2	34.5	17	17	2.5	5
5/32	3/16	KQ2H03-05	11.4	34	16	16.5	3	4
	1/4	KQ2H03-07	13.2	34.5	17	17	3	4
3/16	1/4	KQ2H05-07	13.2	34.5	16.5	17	3.5	5
	5/16	KQ2H07-09	15.2	38.5	18.5	18.5	3.5	6
1/4	3/8	KQ2H07-11	17.9	42	21	21	4.6	11
	5/16	KQ2H09-11	17.9	42	21	21	4.6	11
5/16	3/8	KQ2H09-11	17.9	42	21	21	6	11
	1/2	KQ2H09-13	21.7	44	22	22	6	16
3/8	1/2	KQ2H11-13	21.7	44	21	22	7	17

Note) ϕD : Max. diameter



Male Elbow: KQ2L

01-32
KQ2L03-32
07-32



<KQ2L05-32>



<NPT>

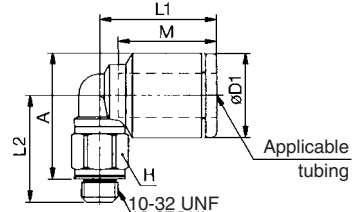


Applicable tubing O.D. (inch)	Connection thread UNF NPT	Model	H (Width across flats)	Note) $\phi D1$	$\phi D2$	L1	L2	A*	M	Min. port size	Mass (g)
1/8	10-32 UNF	KQ2L01-32	7	8.4	—	15.3	13.2	14.5	12.7	2.3	2.5
	1/16	KQ2L01-33S	11.11	9.6	10	17.5	21.5	22.5	15.5	2.5	8
	1/8	KQ2L01-34S	14.29	—	—	—	20.6	—	—	—	—
	1/4	KQ2L01-35S	14.29	—	—	—	25	24.5	—	—	18
5/32	10-32 UNF	KQ2L03-32	7	9.3	—	15.6	13.7	15.4	12.7	2.3	2.7
	1/16	KQ2L03-33S	11.11	10.4	10	18	22	23	16	3	8
	1/8	KQ2L03-34S	14.29	—	—	—	21.1	—	—	—	9
	1/4	KQ2L03-35S	14.29	—	—	—	25.5	25	—	—	18
3/16	10-32 UNF	KQ2L05-32	11.11	—	—	—	20	22	—	2.3	5
	1/8	KQ2L05-34S	14.29	11.4	10	19.5	21.6	24	16.5	3.5	10
	1/4	KQ2L05-35S	14.29	—	—	—	26	26	—	—	19
	10-32 UNF	KQ2L07-32	7	12	—	16.1	15.1	18.1	13.6	2.3	3.2
1/4	1/8	KQ2L07-34S	11.11	13.2	10	20.5	22.6	26	17	4.6	10
	1/4	KQ2L07-35S	14.29	—	—	—	27	28	—	—	20
	3/8	KQ2L07-36S	17.46	—	—	—	28.4	30	—	—	32
	1/8	KQ2L09-34S	12.7	15.2	12	23.5	23.6	28	18.5	6	12
5/16	1/4	KQ2L09-35S	14.29	—	—	—	28	30	—	—	20
	3/8	KQ2L09-36S	17.46	—	—	—	29.4	31.5	—	—	28
	1/8	KQ2L11-34S	17.46	17.9	17	25.5	25.6	31.5	21	6	16
	1/4	KQ2L11-35S	22.23	—	—	—	29	32.5	—	—	23
3/8	3/8	KQ2L11-36S	22.23	—	—	—	30.4	34	—	7	33
	1/2	KQ2L11-37S	22.23	—	—	—	34.6	36.5	—	—	59
	1/4	KQ2L13-35S	17.46	21.7	17	28	31	36.5	22	9	28
	3/8	KQ2L13-36S	22.23	—	—	—	32.4	38.5	—	9.6	36
1/2	1/2	KQ2L13-37S	22.23	—	—	—	36.6	40	—	—	62

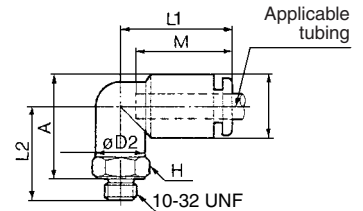
* Reference dimensions after NPT thread installation.
Note) $\phi D1$: Max. diameter



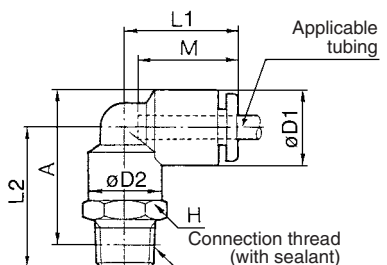
01-32
KQ2L03-32
07-32

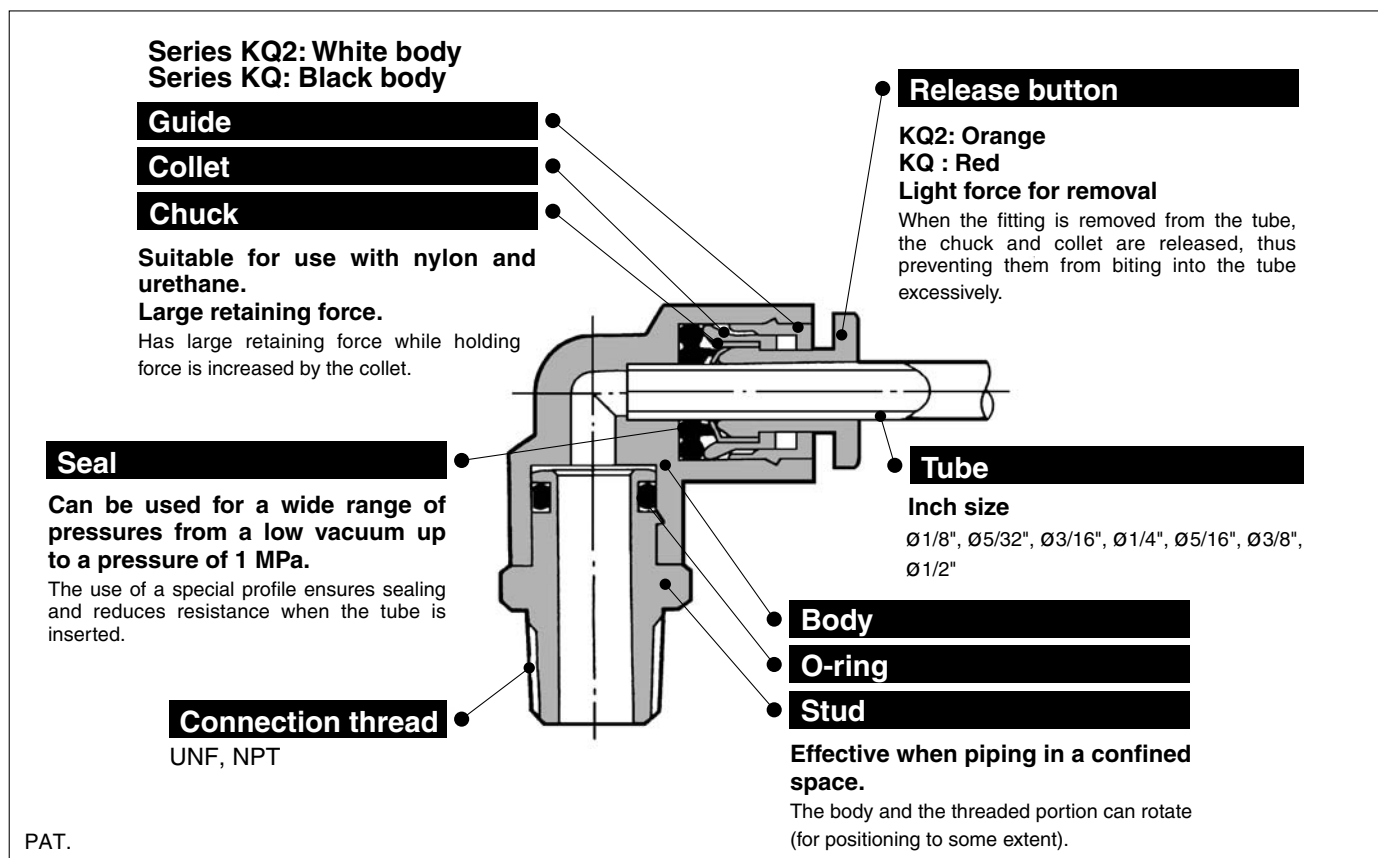


<KQ2L05-32>



<NPT>





K ☐

M ☐

H ☐

KK ☐

D ☐

MS ☐

LQ ☐

MQR ☐

T ☐



Product's Color

Series	Body	Release button
Series KQ2	White	Orange
Series KQ	Black	Red

Applicable Tubing

Tubing material	FEP, PFA, Nylon, Soft nylon ⁽¹⁾ , Polyurethane
Tubing O.D.	$\varnothing 1/8"$, $\varnothing 5/32"$, $\varnothing 3/16"$, $\varnothing 1/4"$, $\varnothing 5/16"$, $\varnothing 3/8"$, $\varnothing 1/2"$

Note 1) Soft nylon tubing is not compatible with water.

Specifications

Fluid		Air/Water ⁽²⁾
Operating pressure range ⁽³⁾		-100 kPa to 1 MPa
Proof pressure		3 MPa
Ambient and fluid temperature		-5 to 60°C, Water: 0 to 40°C (No freezing)
Thread	Mounting section	ANSI/ASME B1.20.1 (NPT thread) JIS B0208 (UNF thread)
	Nut section	JIS B0208 (UNF thread)
Seal on the threads		With sealant or none



Note 2) The surge pressure must be under the maximum operating pressure.

Note 3) Do not use the fittings with a leak tester or for vacuum retention because they are not guaranteed for zero leakage.



Made to Order

Refer to page 75 for details.

Principal Parts Material

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