

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

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

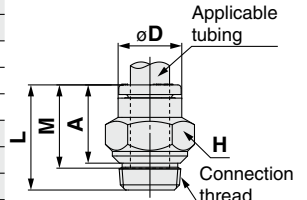
## Dimensions

### 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 [mm <sup>2</sup> ]		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
ø10	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
	3/8	KQ2H10-U03□	17	15.6	19.5	13.1	15.6	41.5	29.5	7.5	15.6
ø12	1/2	KQ2H10-U04□	22	15.6	17	8.4	15.6	41.5	29.5	7.5	29.5
	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
	3/8	KQ2H16-U03□	24	23.6	29.2	22.8	20.6	81	67	11	33.9
ø16	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

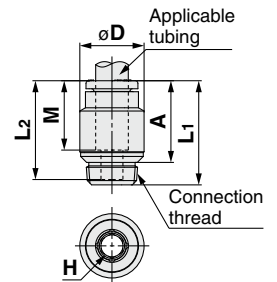


### Hexagon Socket Head Male Connector: KQ2S (Gasket seal)



Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD	L1	L2	A*1	M	Effective area [mm <sup>2</sup> ]		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
	1/4	KQ2S10-U02□	8	17	23.7	20.1	17.3	15.6	39	26.6	8.1	15.4
ø12	3/8	KQ2S10-U03□	8	17	21.1	20.1	14.7	15.6	39	26.6	8.1	16.4
	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
ø16	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

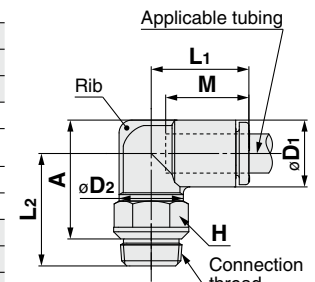


### Male Elbow: KQ2L (Gasket seal)



Applicable tubing O.D. [mm]	Connection thread Uni	Model	H (Width across flats)	øD1	øD2	L1	L2	A*1	M	Effective area [mm <sup>2</sup> ]		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	●
	1/4	KQ2L08-U02□	14	13.2	12	17.2	22.7	25.0	14.2	21.6	14.9	6	8.6	●
ø10	3/8	KQ2L08-U03□	17	13.2	12	17.2	22.8	23.0	14.2	21.6	14.9	6	20.2	●
	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	●
ø12	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	●
	1/4	KQ2L12-U02□	17	18.5	17	21.5	25.6	28.4	17	50.2	39.7	9	18.7	●
ø16	3/8	KQ2L12-U03□	17	18.5	17	21.5	28.2	31.0	17	50.2	39.7	9	19.8	●
	1/2	KQ2L12-U04□	22	18.5	17	21.5	35.8	36.4	17	50.2	39.7	9	50	●
ø16	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

Inch Size NPT

Inch Size R

Metric Size Uni

Inch Size Uni