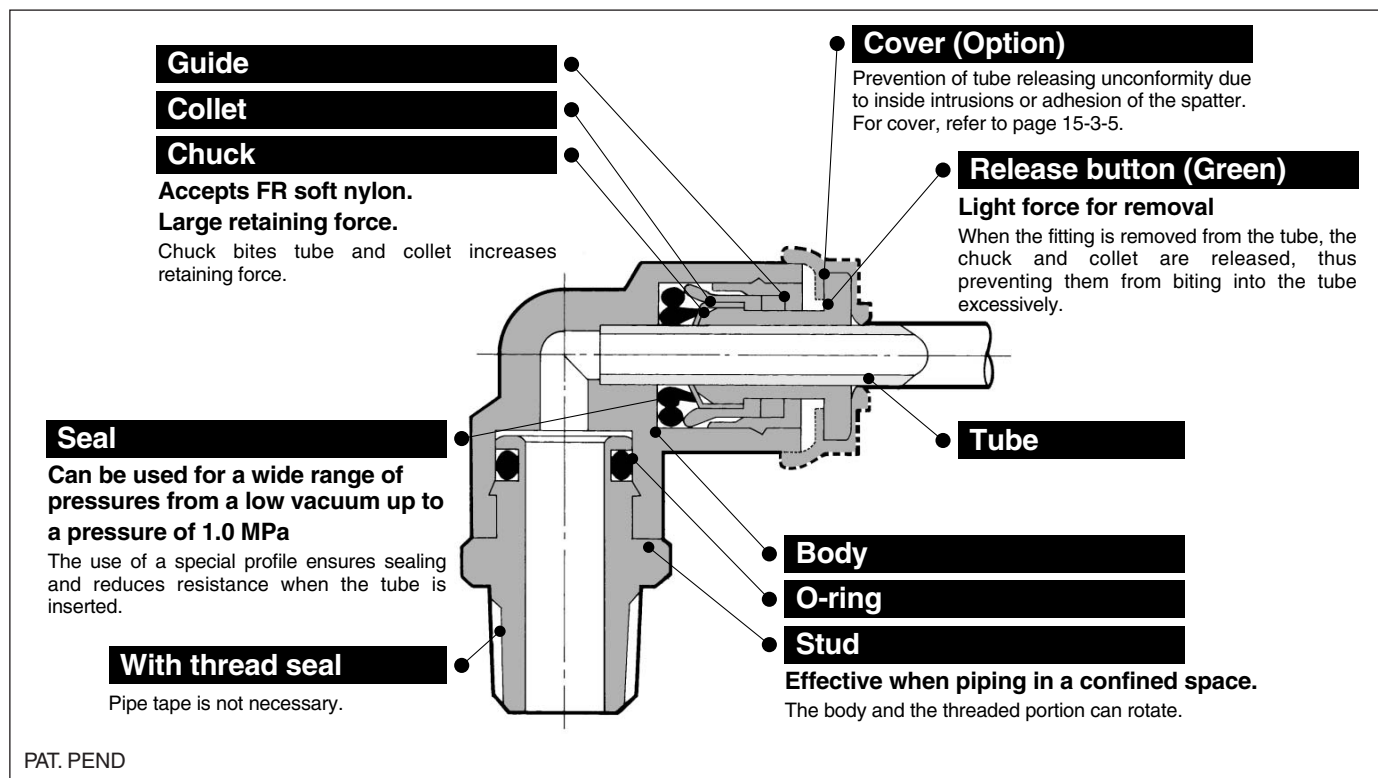


Flame Resistant (Equivalent to UL-94 Standard V-0) FR One-touch Fittings Series *KR*



K□

M□

H□

D□

MS

T□

VMG



Applicable Tubing

Tubing material	FR double layer, FR soft nylon
Tubing O.D.	ø6, ø8, ø10, ø12

Specifications

Fluid	Air/Water ^{Note)}	
Maximum operating pressure	1.0 MPa	
Proof pressure	3.0 MPa	
Ambient and fluid temperature	-5 to 60°C (Water: 0 to 60°C) (No freezing)	
Thread	Mounting section	JIS B 0203 (Taper thread for piping)
	Nut section	JIS B 0211 Class 2 (Metric fine thread)
Seal (Thread portion)	With seal (Standard)	



Note) Applicable for general industrial water. Please consult with SMC if using for other kinds of fluid. Also, the surge pressure must be under the maximum operating pressure.

Principal Parts Material

Body	C3604BD, Flame resistant PBT (UL-94 standard V-0)
Stud	C3604BD (Thread portion)
Chuck	Stainless steel 304
Guide	Stainless steel 304, Flame resistant PBT (UL-94 standard V-0)
Collet	POM
Release button	Flame resistant PBT (UL-94 standard V-0)
Seal, O-ring	NBR
Cover (Option)	Flame resistant PBT, Flame resistant CR (UL-94 standard V-0)

Flame Resistant (Equivalent to UL-94 Standard V-0) FR One-touch Fittings Series KR

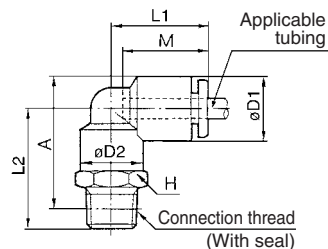
Male Elbow: KRL



Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	Note) øD1	øD2	L1	L2	A*	M	Effective area (mm ²)		Weight (g)
6	1/8	KRL06-01S	10	12.8	10	20	23	25.5	19	9.0	4.2	12
	1/4	KRL06-02S	14				27	27.5				22
	3/8	KRL06-03S	17				29	29				33
8	1/8	KRL08-01S	12	15.2	12	23	24.5	28	20.5	21.6	14.9	13
	1/4	KRL08-02S	14				28.5	30				21
	3/8	KRL08-03S	17				30.5	31.5				35
10	1/8	KRL10-01S	17	18.5	17	26.5	27	32	23	21.6	14.9	25
	1/4	KRL10-02S					30	33				26
	3/8	KRL10-03S					32	34.5		35.2	25.0	36
	1/2	KRL10-04S	22				36	37				63
12	1/4	KRL12-02S	17	20.9	17	28.5	31	35.5	24	50.2	39.7	28
	3/8	KRL12-03S					33	37				38
	1/2	KRL12-04S	22				37	39.5				65

* Reference dimensions after R thread installation.

Note) øD1: Max. diameter



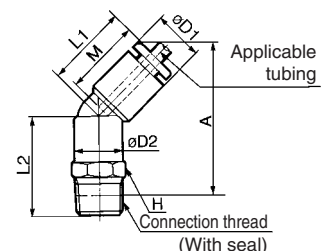
45° Male Elbow: KRK



Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	Note) øD1	øD2	L1	L2	A*	M	Effective area (mm ²)		Weight (g)
6	1/8	KRK06-01S	10	12.8	10	18	20.5	33	19	6.9	3.4	12
	1/4	KRK06-02S	14				24.5	35				10
	3/8	KRK06-03S	17				26.5	36.5				33
8	1/8	KRK08-01S	12	15.2	12	20.5	22	37	20.5	19.7		13
	1/4	KRK08-02S	14				26	39				21
	3/8	KRK08-03S	17				28	41				35
10	1/8	KRK10-01S	17	18.5	17	24	24	42	23	30.9	23.2	25
	1/4	KRK10-02S					27	43.5				26
	3/8	KRK10-03S					29	45				36
	1/2	KRK10-04S	22				33	47.5				63
12	1/4	KRK12-02S	17	20.9	17	25	27.5	45.5	24	44.5	35.1	28
	3/8	KRK12-03S					29.5	47.5				38
	1/2	KRK12-04S	22				33.5	49.5				65

* Reference dimensions after R thread installation.

Note) øD1: Max. diameter



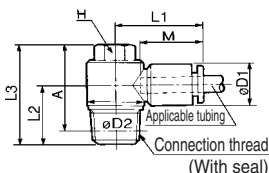
Universal Male Elbow: KRV



Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	Note) øD1	øD2	L1	L2	L3	A*	M	Effective area (mm ²)		Weight (g)
6	1/8	KRV06-01S	8	12.8	13.4	24	14.5	26.5	22.5	17	5.9	2.9	15
	1/4	KRV06-02S	10				18.5	31	25				26
	3/8	KRV06-03S	14				21.5	28.5	24.5				24
8	1/8	KRV08-01S	12	15.2	17.6	28.5	18.5	31.5	25.5	18.5	16	11.2	30
	1/4	KRV08-02S	14				20.5	36.5	30				47
	3/8	KRV08-03S	17				25	41.5	33.5				63
10	1/4	KRV10-02S	14	18.5	20.6	31	19.5	35.5	29.5	21	27	20.3	40
	3/8	KRV10-03S	17				20.5	36.5	30				49
	1/2	KRV10-04S	22				25	41.5	33.5				80

* Reference dimensions after R thread installation.

Note) øD1: Max. diameter

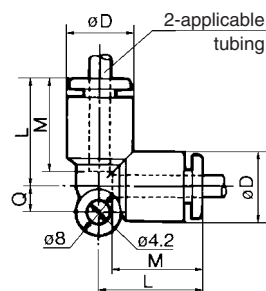


Union Elbow: KRL



Applicable tubing O.D. (mm)	Model	øD Note)	L	Q	M	Effective area (mm ²)		Weight (g)
6	KRL06-00	12.8	20	5.3	17	9.0	4.2	6
8	KRL08-00	15.2	23	6	18	21.6	14.9	10
10	KRL10-00	18.5	26.5	6.8	21	35.2	25.0	17
12	KRL12-00	20.9	28.5	7.5	22	50.2	39.7	21

Note) øD: Max. diameter



Extended Male Elbow: KRW



Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	Note) øD1	øD2	L1	L2	A*	M	Effective area (mm ²)		Weight (g)
6	1/8	KRW06-01S	10	12.8	10	20	40	42.5	17	8.6	4.0	26
	1/4	KRW06-02S	14				46	46.5				41
	3/8	KRW06-03S	17				48	48				67
8	1/8	KRW08-01S	12	15.2	12	23	43.5	47	18.5	20.5	14.2	30
	1/4	KRW08-02S	14				49.5	51				47
	3/8	KRW08-03S	17				51.5	52.5				74
10	1/4	KRW10-02S	17	18.5	17	26.5	56.5	59.5	21	33.5	23.8	66
	3/8	KRW10-03S					58.5	61				76
	1/2	KRW10-04S					65	66				145
12	1/4	KRW12-02S	17	20.9	17	28.5	57.5	62	22	47.7	37.7	68
	3/8	KRW12-03S					59.5	63.5				78
	1/2	KRW12-04S	22				66	68.5				147

* Reference dimensions after R thread installation.

Note) øD1: Max. diameter

