

Series KR

Model		
Male connector		
KRH	P. 2	Use to pipe in the same direction from female thread. Most general style.
Straight union		
KRH	P. 2	Use to connect tubes in the same direction.
Male elbow		
KRL	P. 3	Use to pipe at right angles to female thread. Most general style.
45° male elbow		
KRK	P. 3	Use to pipe in 45° angle direction from female thread. Model in-between of male connector and male elbow.
Universal male elbow		
KRV	P. 3	Universal male elbow allows thread connection by using a socket wrench for confined spaces.
Spatter cover		
KR	P. 5	Prevention of tube releasing unconformity due to an inside intrusion or adhesion of the spatter.
Union elbow		
KRL	P. 3	Use to connect tubes at right angles.
Extended male elbow		
KRW	P. 3	Basically, it is used together with male elbow. Different point is that it is used for fittings to avoid from interfering with each other by making the piping two-level.
Male branch tee		
KRT	P. 4	Use to branch line from female thread in both 90° directions.
Union tee		
KRT	P. 4	Use to connect tubes in both 90° directions.
Male run tee		
KRY	P. 4	Use to branch line in the same direction from female thread and in 90° direction.
Spatter cover		
KR-□C1	P. 5	Prevention of tube releasing unconformity due to an inside intrusion or adhesion of the spatter.
Plug-in reducer		
KRR	P. 5	Use to size down One-touch fittings.
Union "Y"		
KRU	P. 4	Use to branch line in the same direction.
Plug-in "Y"		
KRU	P. 4	Use to branch line in the same direction from One-touch fittings.
Branch		
KRU	P. 5	Use to branch line in the same direction from female thread.
Bulkhead union		
KRE	P. 5	Use to connect tubes through a panel.
Plug		
KRP	P. 5	Use to plug unused One-touch fittings.

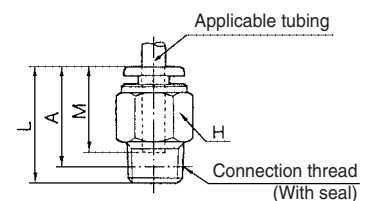
Dimensions

Male Connector: KRH

Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	L	A*	M	Effective area (mm ²)		Weight (g)
							FR double layer	FR soft nylon	
6	1/8	KRH06-01S	12	22.5	18.5	17	10.4	5.6	16
	1/4	KRH06-02S	14	23	17				14
	3/8	KRH06-03S	17	22	15.5				27
8	1/8	KRH08-01S	14	28	24	18.5	26.1	18.0	21
	1/4	KRH08-02S	17	26.5	20.5				19
	3/8	KRH08-03S	17	22	15.5				26
10	1/8	KRH10-01S	17	30	26	21	26.1	26.1	19
	1/4	KRH10-02S	17	33.5	27.5				30
	3/8	KRH10-03S	22	29	22.5		41.5	29.5	53
	1/2	KRH10-04S	22	27	19				42
12	1/4	KRH12-02S	19	34.5	28.5	22	58.3	46.1	34
	3/8	KRH12-03S	19	30	23.5				51
	1/2	KRH12-04S	22	30	22				



* Reference dimensions after R thread installation.

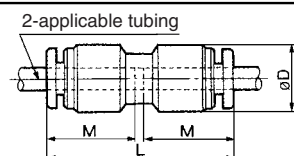


Straight Union: KRH

Applicable tubing O.D. (mm)	Model	øD (Note)	L	M	Effective area (mm ²)		Weight (g)
					FR double layer	FR soft nylon	
6	KRH06-00	12.8	34.5	17	10.4	5.6	4
8	KRH08-00	15.2	38.5	18.5	26.1	18.0	6
10	KRH10-00	18.5	42.5	21	41.5	29.5	11
12	KRH12-00	20.9	44.5	22	58.3	46.1	14



Note) øD: Max. diameter



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

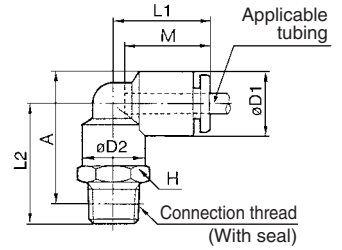
Male Elbow: KRL



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					37	39.5				65

* Reference dimensions after R thread installation.

Note) øD1: Max. diameter



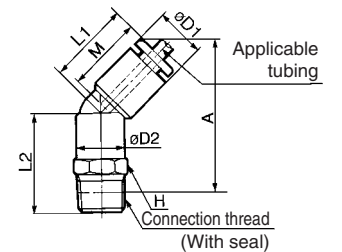
45° Male Elbow: KRK



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					33.5	49.5				65

* Reference dimensions after R thread installation.

Note) øD1: Max. diameter



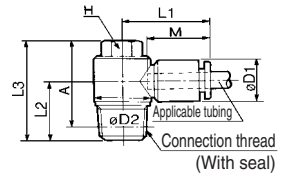
Universal Male Elbow: KRV



Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	(Note) øD1	øD2	L1	L2	L3	A*	M	Effective area (mm²)		Weight (g)
											FR double layer	FR soft nylon	
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		15.4	23.5	18.5	31	25				26
8	1/8	KRV08-01S	12	15.2	17.6	28.5	15.5	28.5	24.5	18.5	16	11.2	24
	1/4	KRV08-02S	18.5				31.5	25.5	30				
	3/8	KRV08-03S	14		20.6	27.5	20.5	36.5	25		20.5	14.3	47
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	20.5				36.5	30	49				
12	3/8	KRV12-03S	17	20.9	25.2	34	22	38.5	32	22	39	30.8	63
	1/2	KRV12-04S					25	41.5	33.5				80

* Reference dimensions after R thread installation.

Note) øD1: Max. diameter

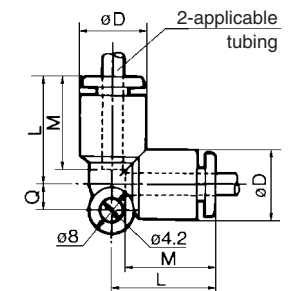


Union Elbow: KRL



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



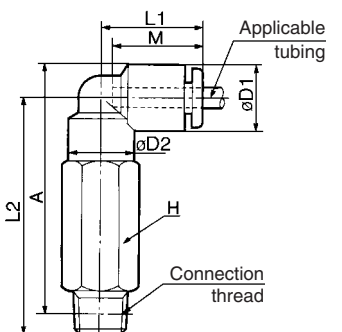
Extended Male Elbow: KRW



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					66	68.5				147

* Reference dimensions after R thread installation.

Note) øD1: Max. diameter



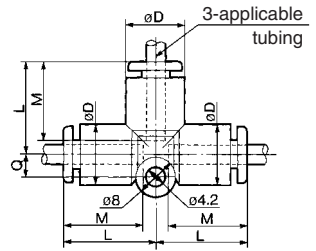
Series KR

Union Tee: KRT



Applicable tubing O.D. (mm)	Model	øD (Note)	L	Q	M	Effective area (mm ²)		Weight (g)
6	KRT06-00	12.8	20	5.3	17	FR double layer	FR soft nylon	10
8	KRT08-00	15.2	23	6	18.5	10.6	6.4	15
10	KRT10-00	18.5	26.5	6.8	21	25.6	17.7	25
12	KRT12-00	20.9	28.5	7.5	22	40	28.4	29

Note) øD: Max. diameter



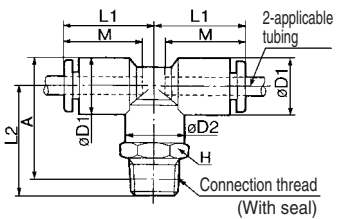
Male Branch Tee: KRT



Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	(1) øD1	øD2	L1	L2	A*	M	Effective area (mm ²)		Weight (g)
6	1/8	KRT06-01S	10	12.8	10	20	23	25.5	17	11.0	6.0	12
	1/4	KRT06-02S	14				27	27.5				20
	3/8	KRT06-03S	17				29	29				34
8	1/8	KRT08-01S	12	15.2	12	23	24.5	28	18.5	26.3	18.2	14
	1/4	KRT08-02S	14				28.5	30				22
	3/8	KRT08-03S	17				30.5	31.5				36
10	1/8	KRT10-01S	17	18.5	17	26.5	27	32	21	40.8	29.0	31
	1/4	KRT10-02S					30	33				29
	3/8	KRT10-03S					32	34.5				39
12	1/2	KRT10-04S	22	20.9	17	28.5	36	37	22	57.2	45.2	66
	1/4	KRT12-02S	17				31	35.5				31
	3/8	KRT12-03S	22				33	37				41
	1/2	KRT12-04S	22				37	39.5				68

* Reference dimensions after R thread installation.

Note) øD1: Max. diameter



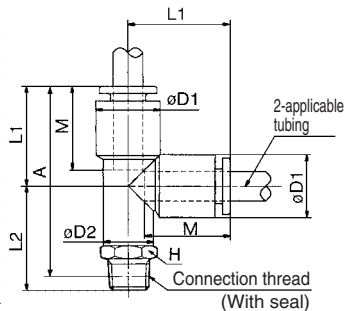
Male Run Tee: KRY



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	KRY06-01S	10	12.8	10	20	23	39	19	10.6	6.4	12
	1/4	KRY06-02S	14				27	41				20
	3/8	KRY06-03S	17				29	42.5				34
8	1/8	KRY08-01S	12	15.2	12	23	24.5	43.5	20.5	25.6	17.7	14
	1/4	KRY08-02S	14				28.5	45.5				22
	3/8	KRY08-03S	17				30.5	47				36
10	1/8	KRY10-01S	17	18.5	17	26.5	27	49.5	23	40.0	28.4	31
	1/4	KRY10-02S					30	50.5				29
	3/8	KRY10-03S					32	52				39
12	1/2	KRY10-04S	22	20.9	17	28.5	36	54.5	24	57.4	45.4	66
	1/4	KRY12-02S	17				31	53.5				31
	3/8	KRY12-03S	22				33	55				41
	1/2	KRY12-04S	22				37	57.5				68

* Reference dimensions after R thread installation.

Note) øD1: Max. diameter



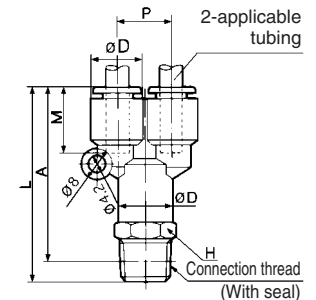
Branch: KRU



Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	Note øD	L	P	A*	M	Effective area (mm ²)		Weight (g)
6	1/8	KRU06-01S	13	12.8	45.5	12.8	41.5	17	10.4	4.2	12
	1/4	KRU06-02S	14				43				22
	3/8	KRU06-03S	17				44.5				35
8	1/8	KRU08-01S	17	15.2	55.5	15.2	48.5	18.5	25.6	17.7	16
	1/4	KRU08-02S					49.5				24
	3/8	KRU08-03S					50				36
10	1/4	KRU10-02S	19	18.5	62	18.5	55	21	40	28.4	30
	3/8	KRU10-03S					55.5				40
	1/2	KRU10-04S					57				65
12	1/4	KRU12-02S	22	20.9	64.5	20.9	58	22	57.4	45.4	32
	3/8	KRU12-03S					59.5				40
	1/2	KRU12-04S					60.5				65

* Reference dimensions after R thread installation.

Note) øD1: Max. diameter

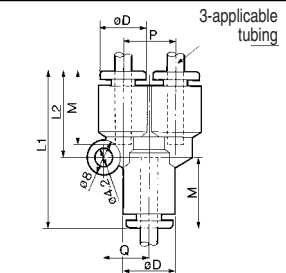


Union "Y": KRU



Applicable tubing O.D. (mm)	Model	(Note) øD	L1	L2	P	Q	M	Effective area (mm ²)		Weight (g)
6	KRU06-00	12.8	37	20	12.8	11.7	17	FR double layer	FR soft nylon	10
8	KRU08-00	15.2	42.5	24.5	15.2	13.7	18.5	10.4	4.2	12
10	KRU10-00	18.5	48	27.5	18.5	16.1	21	25.6	17.7	16
12	KRU12-00	20.9	51	30	20.9	18.1	22	40	28.4	23

Note) øD: Max. diameter

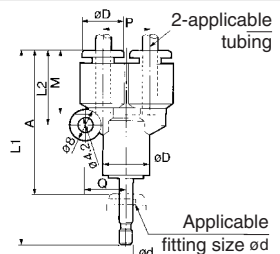


Plug-in "Y": KRU



Applicable tubing O.D. (mm)	Applicable fitting size ød	Model	(Note) øD	L1	L2	P	Q	A	M	Effective area (mm ²)		Weight (g)
6	6	KRU06-99	12.8	55.5	20	12.8	11.7	38.5	17	FR double layer	FR soft nylon	19
8	8	KRU08-99	15.2	64.5	24.5	15.2	13.7	46	18.5	25.6	17.7	22
10	10	KRU10-99	18.5	71.5	27.5	18.5	16.1	50.5	21	40	28.4	26
12	12	KRU12-99	20.9	75.5	30	20.9	18.1	53.5	22	57.4	45.4	32

Note) øD: Max. diameter



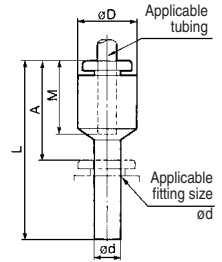
Plug-in Reducer: KRR



Applicable tubing O.D. (mm)	Applicable fitting size ϕD	Model	ϕD (Note)	L	A	M	Effective area (mm ²)		Weight (g)
6	8	KRR06-08	12.8	37	18.5	17	10.4	5.6	2.5
	10	KRR06-10		39.5					9.3
8	10	KRR08-10	15.2	41	18.5	18.5	26.1	18.0	4.0
	12	KRR08-12		42					4.6
10	12	KRR10-12	18.5	44.5	23	21	41.5	32.8	33



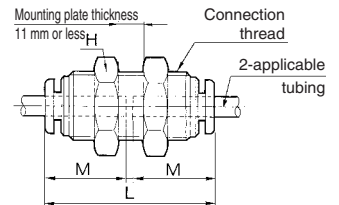
Note) ϕD : Max. diameter



Bulkhead Union: KRE



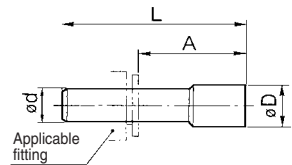
Applicable tubing O.D. (mm)	Model	T (M)	H (width across flats)	L	Mounting hole	M	Effective area (mm ²)		Weight (g)
6	KRE06-00	M14 x 1	17	34.5	15	17	10.4	5.6	33
8	KRE08-00	M16 x 1	19	38	17	18.5	26.1	18.0	52
10	KRE10-00	M20 x 1	24	42.5	21	21	41.5	29.5	70
12	KRE12-00	M22 x 1	27	44	23	22	58.3	46.1	90



Plug: KRP



Applicable fitting size ϕD	Model	ϕD	L	A	Weight (g)
6	KRP-06	8	35	16	1
8	KRP-08	10	39	18.5	2
10	KRP-10	12	43	20	3.5
12	KRP-12	14	46	22	5

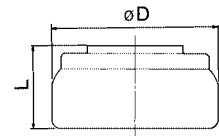


Spatter Cover 1: KR (Applicable tube: FR soft nylon)



Applicable fitting size	Model	ϕD	L	Weight (g)
6	KR-06C	15.5	9	0.9
8	KR-08C	17	9	1.0
10	KR-10C	20.8	10.5	1.5
12	KR-12C	22.8	10.5	1.6

* When tube insert parts are in line as KQU Union "Y", use KR-□□C1.

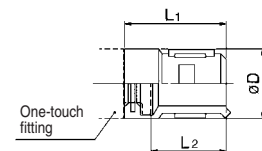


Spatter Cover 2: KR (Applicable tube: FR soft nylon, FR double layer)

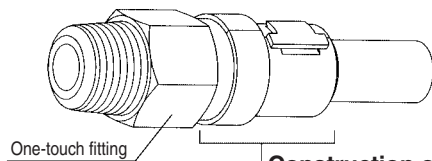


Applicable fitting size	Model	L ₁	L ₂	ϕD
6	KR-06C1	18	13.7	12.8
8	KR-08C1	20	15.7	15
10	KR-10C1	22	17.2	18
12	KR-12C1	22	17.2	20

Installed



How to install



Construction of spatter cover

