

Antistatic One-touch Fittings

Series KA

One-touch fitting with antistatic prevention

One-touch IN/OUT connection.

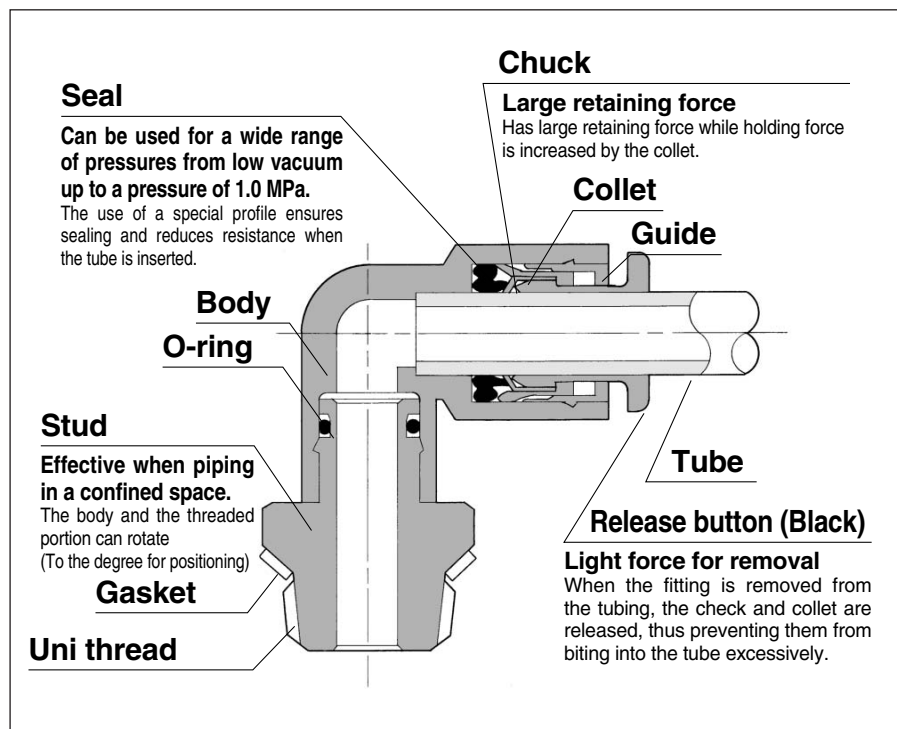
Possible to use from vacuum (–100 kPa).

Can be used in copper-free application.

Flame resistance (Equivalent to UL-94 standard, material V-0)

Surface resistance 10^4 to $10^7 \Omega$

Conductive resin is used for body and seals in fittings and tubing.



Principal Parts Material

Body	C3604BD, PBT
Stud	C3604BD
Chuck	Stainless steel 304
Guide	Stainless steel 304, C3604BD, PBT
Collet, Release button	PBT
Seal, O-ring	NBR

- C3604BD is all electroless nickel plated.
- PBT parts have conductive (10^4 to $10^7 \Omega$) and flame resistant applications. (UL-standard, V-0)
- Conductive NBR (10^4 to $10^7 \Omega$) is used for seals.

Applicable Tubing

Tubing material	Antistatic soft nylon, Polyurethane
Tubing O.D.	$\phi 3.2$, $\phi 4$, $\phi 6$, $\phi 8$, $\phi 10$, $\phi 12$

Specifications

Fluid	Air
Maximum operating pressure	1.0 MPa
Operating vacuum pressure	–100 kPa
Proof pressure	3.0 MPa
Ambient and fluid temperature	0 to 40°C
Thread	Uni thread JIS B 0209 Class 2 (Metric coarse thread)
Seal (Thread portion)	Gasket
Copper-free	Brass parts are all electroless nickel plated.
Surface resistance	10^4 to $10^7 \Omega$

Series KA

Male Branch Tee: KAT

<M5, M6>

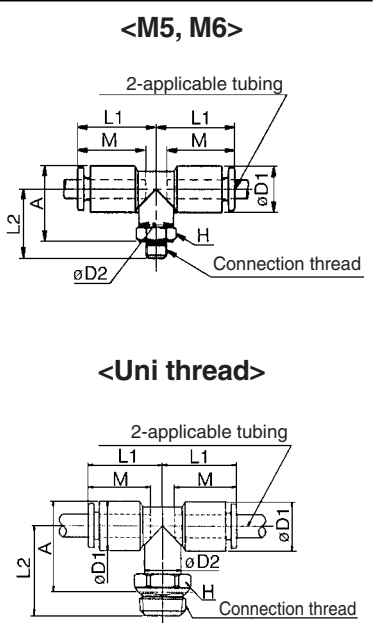
<Uni thread>

	Applicable tubing O.D. (mm)	Connection thread M thread Uni thread	Model	H (width across flats)	øD1	øD2	L1	L2	A*	M	Effective area (mm²)		Weight (g)
											Soft nylon	Urethane	
3.2	M5 x 0.8	KAT23-M5	8	9.6	8	17.5	15	16	15.5	3.4	2.9	8	
	M6 x 1	KAT23-M6	10										
	1/8	KAT23-U01	10										
4	M5 x 0.8	KAT04-M5	8	10.4	8	18	15.5	17	16	4.3	4.3	6	
	M6 x 1	KAT04-M6	10										
	1/8	KAT04-U01	10										
	1/4	KAT04-U02	14										
6	M5 x 0.8	KAT06-M5	8	12.8	8	20	16	18	17	4.3	4.3	7	
	M6 x 1	KAT06-M6	10										
	1/8	KAT06-U01	10										
	1/4	KAT06-U02	14										
	3/8	KAT06-U03	17										
8	1/8	KAT08-U01	12	15.2	12	23	22.5	26	18.5	18.2	18.2	14	
	1/4	KAT08-U02	14										
	3/8	KAT08-U03	17										
	1/8	KAT10-U01	12										
10	1/4	KAT10-U02	17	18.5	17	26.5	25	29.5	21	29.0	29.0	27	
	3/8	KAT10-U03	17										
	1/2	KAT10-U04	22										
	1/4	KAT12-U02	17										
12	3/8	KAT12-U03	17	20.9	17	28.5	27	31.5	22	45.2	45.2	31	
	1/2	KAT12-U04	22										
	1/2	KAT12-U04	22										

<M5, M6>

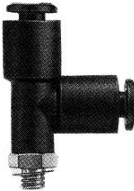
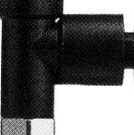
<Uni thread>

* Reference dimensions after Uni thread installation.



Male Run Tee: KAY

<M5, M6>

	Applicable tubing O.D. (mm)	Connection thread M thread Uni thread	Model	H (width across flats)	øD1	øD2	L1	L2	A*	M	Effective area (mm²)		Weight (g)
											Soft nylon	Urethane	
	3.2	M5 x 0.8	KAY23-M5	8	9.6	8	17.5	15	28.5	15.5	3.4	2.9	8
		M6 x 1	KAY23-M6	10									9
		1/8	KAY23-U01	10									9
	4	M5 x 0.8	KAY04-M5	8	10.4	8	18	15.5	29.5	16	4.6	4.6	6
		M6 x 1	KAY04-M6	10									9
		1/8	KAY04-U01	10		10	18	20	34	6.4	6.4	6.4	15
		1/4	KAY04-U02	14			22	34.5	15				
	6	M5 x 0.8	KAY06-M5	8	12.8	8	20	16	32	17	4.6	4.6	7
		M6 x 1	KAY06-M6	10									10
		1/8	KAY06-U01	10		10	20	21.5	37.5	13.4	13.4	13.4	16
		1/4	KAY06-U02	14				23	37				25
		3/8	KAY06-U03	17				24	38				25
	8	1/8	KAY08-U01	12	15.2	12	23	22.5	41.5	18.5	17.7	17.7	14
		1/4	KAY08-U02	14									18
		3/8	KAY08-U03	17									27
		1/8	KAY10-U01	12		18.5	17	26.5	25	46.5	21	28.4	30
	10	1/4	KAY10-U02	17									27
		3/8	KAY10-U03	17									31
		1/2	KAY10-U04	22									51
		1/4	KAY12-U02	17		20.9	17	28.5	27	49.5	22	45.4	31
	12	3/8	KAY12-U03	17									35
		1/2	KAY12-U04	22									55

* Reference dimensions after Uni thread installation.

<M5, M6>

<Uni thread>

* Reference dimensions after Uni thread installation.

