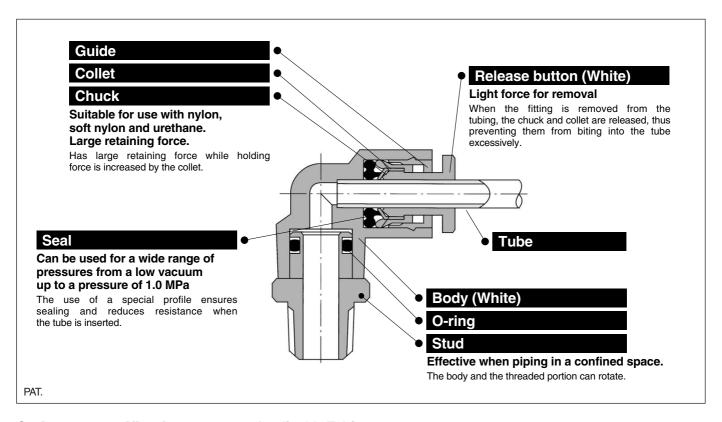


Stainless One-touch Fittings Series KG



Stainless specifications applicable to corrosive environments

Stainless steel 303 adopted for metal elements

Suitable for use in CRT production lines where contact with copper must be avoided, food processing machines where water or salt water splashes and clean room where discoloration of copper material and corrosion must be avoided.



Applicable Tubing

Tubing material	Nylon, Soft nylon, Polyurethane				
Tubing O.D.	ø4, ø6, ø8, ø10, ø12, ø16				

Specifications

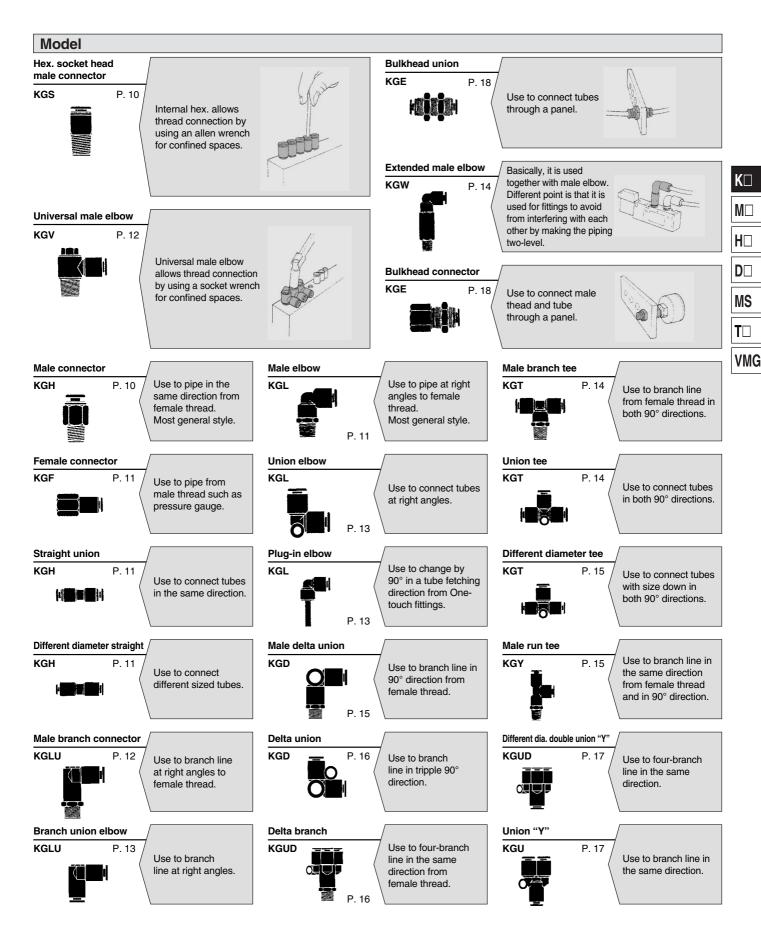
Fluid		Air/Water (1)				
Maximum operating pressure		1.0 MPa				
Operating vacuum pre	essure	-100 kPa				
Proof pressure		3.0 MPa				
Ambient and fluid temperature		-5 to 60°C (Water: 0 to 40°C) (No freezing)				
Thread	Mounting section	JIS B 0203 (Taper thread for piping)				
	Nut section	JIS B 0211 Class 2 (Metric fine thread)				
Seal (Thread portion)		With seal or none (2)				
Note 1) Applicable for general industrial water Places consult with CMC if using for other kinds of fluid						

1) 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. Note 2) Suffix "S" to the part number, if w/ seal is desired.

Principal Parts Material

Body	Stainless steel 303, PBT					
Stud	Stainless steel 303					
Chuck	Stainless steel 304					
Guide	Stainless steel 304, Stainless steel 303, POM					
Collet, Release button	POM					
Seal, O-ring	NBR					

Stainless One-touch Fittings Series KG

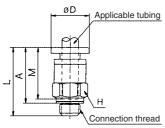


Series **KG**

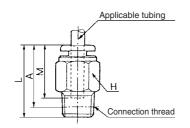
Model Tube cap Different dia. union "Y" Plug-in reducer KGU Use to connect tubes KGR P. 17 KGC P. 18 Use to change size Use to plug unused in the same direction, reducing the size of of One-touch fittings. tubing. tubes. **Branch** Use to branch line in KGU P. 16 the same direction from the female thread.

Male Connector: KGH

<M5>





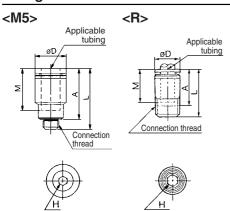


·t	plicable ubing D. (mm)	Connection thread R	Model	(width across flats)	øD ⁽¹⁾	L	A *	М	Effective (mr		Weight (g)
		M5 x 0.8	KGH04-M5	8	8	17	14	13	4	4	2.4
	4	1/8	KGH04-01	10	_	22	18	16	F 6	4	9
	1/4	KGH04-02	14	_	19.5	13.5	16	5.6	4	16	
		M5 x 0.8	KGH06-M5	10	10	18.5	15	14	4	4	3.4
•	1/8	KGH06-01	12		22.5	18.5				16	
	6	1/4	KGH06-02	14	_	23	17	17	13.1	10.4	14
		3/8	KGH06-03	17	_	22	15.5				27
	1/8	KGH08-01	14		28	24				21	
	8	1/4	KGH08-02	14	_	26.5	20.5	18.5	26.1	18.0	19
		3/8	KGH08-03	17	_	22	15.5				26
	1/8	KGH10-01			30	26				19	
	10	1/4	KGH10-02	17	_	33.5	27.5	21	41.5	29.5	30
	10	3/8	KGH10-03			29	22.5				30
	1/2	KGH10-04	22	_	27	19				53	
	12	1/4	KGH12-02	19		34.5	28.5	22	58.3	46.1	42
		3/8	KGH12-03		l —	00	23.5				34
	1/2	KGH12-04	22		30	22				51	
	16	3/8	KGH16-03	04		39.5	32	04	81	(81)	61
16	1/2	KGH16-04	24	_	35.5	26.5	24	113	(96)	47	



* Reference dimensions after R thread installation. Note 1) øD: Max. diameter Note 2) (): Values for nylon.

Hexagon Socket Head Male Connector: KGS



Applicable tubing O.D. (mm)	Connection thread R	Model	H (width across flats)	øD Note)	L	A *	М	Effective area (mm²) Nylon Urethane		Weight (g)
4	M5 x 0.8	KGS04-M5	2.5	9.5	19	15.5	13	4	4	2.6
	1/8	KGS04-01	3	9.8	23	19	16	4.1	3.6	8
6	M5 x 0.8	KGS06-M5	2.5	11.5	20	16.5	14	4	4	3.2
	1/8	KGS06-01	4	11.8	24	20 47	17	10.0	9.9	9
	1/4	KGS06-02	4	13.8	24	18	17	10.7	10.0	15
8	1/8	KGS08-01	5	14	28	24	18.5	17.2	16.2	12
	1/4	KGS08-02	6		25.5	19.5		23.3		11
	3/8	KGS08-03		17	27.5	21				24
	1/8	KGS10-01	5	17	30	26	21	17.2	10.0	18
10	1/4	KGS10-02	8		27.5	21.5		39.0	26.6	12
10	3/8	KGS10-03				21				19
	1/2	KGS10-04			28	20				35
12	1/4	KGS12-02	8	10	33.5	27.5	22	46.0	44.5	23
	3/8	KGS12-03	10	19	29	22.5		60.0		18
	1/2	KGS12-04	10	22	28	20				30

* Reference dimensions after R thread installation.
Note) øD: Max. diameter

