

Series KK

Plug (P)

Male thread type



Body size	Port size	Part no.
M5	M5 x 0.8	KK2P-M5M
	R 1/8	-01MS
1/8	R 1/8	KK3P-01MS
	R 1/4	-02MS
	R 3/8	-03MS
1/4	R 1/8	KK4P-01MS
	R 1/4	-02MS
	R 3/8	-03MS
	R 1/2	-04MS
1/2	R 3/8	KK6P-03MS
	R 1/2	-04MS
	R 3/4	-06MS

Female thread type



Body size	Port size	Part no.
M5	M5 x 0.8	KK2P-M5F
1/8	Rc 1/8	KK3P-01F
	Rc 1/4	-02F
	Rc 3/8	-03F
1/4	Rc 1/4	KK4P-02F
	Rc 3/8	-03F
1/2	Rc 3/8	KK6P-03F
	Rc 1/2	-04F

Nut fitting type (for fiber reinforced urethane hose)



Body size	Applicable hose I.D./O.D. mm	Part no.
1/8	5/8	KK3P-50N
	6/9	-60N
	6.5/10	-65N
1/4	5/8	KK4P-50N
	6/9	-60N
	6.5/10	-65N
	8/12	-80N
	8.5/12.5	-85N
1/2	8/12	KK6P-80N
	8.5/12.5	-85N
	11/16	-110N

Straight type with One-touch fitting



Body size	Applicable tubing O.D. mm	Part no.
M5	3.2	KK2P-23H
	4	-04H
	6	-06H
1/8	4	KK3P-04H
	6	-06H
	8	-08H
	10	-10H
	6	KK4P-06H
1/4	8	-08H
	10	-10H
	12	-12H
	12	KK6P-12H
1/2	16	-16H

Elbow type with One-touch fitting



Body size	Applicable tubing O.D. mm	Part no.
M5	3.2	KK2P-23L
	4	-04L
	6	-06L
1/8	4	KK3P-04L
	6	-06L
	8	-08L
	10	-10L
1/4	6	KK4P-06L
	8	-08L
	10	-10L
	12	-12L
1/2	12	KK6P-12L
	16	-16L

Bulkhead type with One-touch fitting



Body size	Applicable tubing O.D. mm	Part no.
M5	3.2	KK2P-23E
	4	-04E
	6	-06E
1/8	4	KK3P-04E
	6	-06E
	8	-08E
	10	-10E
	6	KK4P-06E
1/4	8	-08E
	10	-10E
	12	-12E
	12	KK6P-12E
1/2	16	-16E

Socket (S)

Male thread type



Body size	Port size	Part no.
M5	M5 x 0.8	KK2S-M5M
	R 1/8	-01MS
1/8	R 1/8	KK3S-01MS
	R 1/4	-02MS
	R 3/8	-03MS
1/4	R 1/8	KK4S-01MS
	R 1/4	-02MS
	R 3/8	-03MS
	R 1/2	-04MS
1/2	R 3/8	KK6S-03MS
	R 1/2	-04MS
	R 3/4	-06MS

Female thread type



Body size	Port size	Part no.
M5	M5 x 0.8	KK2S-M5F
1/8	Rc 1/8	KK3S-01F
	Rc 1/4	-02F
	Rc 3/8	-03F
1/4	Rc 1/4	KK4S-02F
	Rc 3/8	-03F
1/2	Rc 3/8	KK6S-03F
	Rc 1/2	-04F

Nut fitting type (for fiber reinforced urethane hose)



Body size	Applicable hose I.D./O.D. mm	Part no.
1/8	5/8	KK3S-50N
	6/9	-60N
	6.5/10	-65N
1/4	5/8	KK4S-50N
	6/9	-60N
	6.5/10	-65N
	8/12	-80N
	8.5/12.5	-85N
1/2	8/12	KK6S-80N
	8.5/12.5	-85N
	11/16	-110N

Straight type with One-touch fitting



Body size	Applicable tubing O.D. mm	Part no.
M5	3.2	KK2S-23H
	4	-04H
	6	-06H
1/8	4	KK3S-04H
	6	-06H
	8	-08H
	10	-10H
	6	KK4S-06H
1/4	8	-08H
	10	-10H
	12	-12H
	12	KK6S-12H
1/2	16	-16H

Elbow type with One-touch fitting



Body size	Applicable tubing O.D. mm	Part no.
M5	3.2	KK2S-23L
	4	-04L
	6	-06L
1/8	4	KK3S-04L
	6	-06L
	8	-08L
	10	-10L
1/4	6	KK4S-06L
	8	-08L
	10	-10L
	12	-12L
1/2	12	KK6S-12L
	16	-16L

Bulkhead type with One-touch fitting



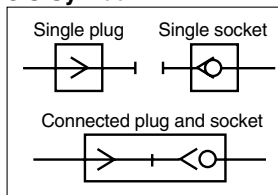
Body size	Applicable tubing O.D. mm	Part no.
M5	3.2	KK2S-23E
	4	-04E
	6	-06E
1/8	4	KK3S-04E
	6	-06E
	8	-08E
	10	-10E
	6	KK4S-06E
1/4	8	-08E
	10	-10E
	12	-12E
	12	KK6S-12E
1/2	16	-16E

S Couplers

Series *KK*



JIS Symbol



Specifications

Fluid	Air, Water
Operating pressure range Note)	KK2: -100 kPa to 1 MPa KK3: -90 kPa to 1 MPa KK4/6: 0 to 1 MPa
Proof pressure	1.5 MPa
Ambient and fluid temperature	Air: -5 to 60°C Water: 5 to 40°C (No freezing)
Plating, Sealant	Electroless nickel plated (copper-free and fluorine-free application), With male thread sealant

Note) Do not use the S couplers with a leak tester or for vacuum retention because they are not guaranteed for zero leakage.

Performance

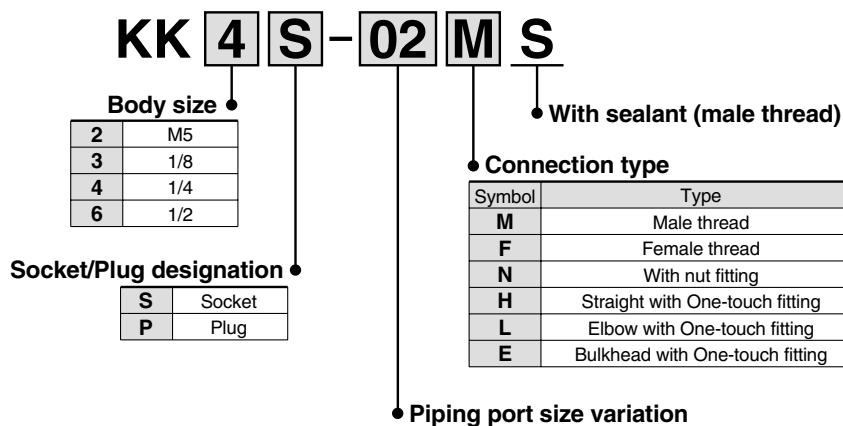
Plug and socket connection	One-touch connection and release
Check valve	Socket: Built-in check valve (standard)
Sleeve lock mechanism Note)	Manual locking type (standard)

Note) Series KK2 is not provided with lock mechanism.

Effective Area

Body size	Plug	Socket	Effective area mm ²
M5	KK2P-M5M	KK2S-M5M	3.8
1/8	KK3P-01MS	KK3S-01MS	20
1/4	KK4P-02MS	KK4S-02MS	39
1/2	KK6P-04MS	KK6S-04MS	82

How to Order



Male/Female thread type

Symbol	Thread size
M5	M5 x 0.8
01	R, Rc 1/8
02	R, Rc 1/4
03	R, Rc 3/8
04	R, Rc 1/2
06	R, Rc 3/4

One-touch fitting type

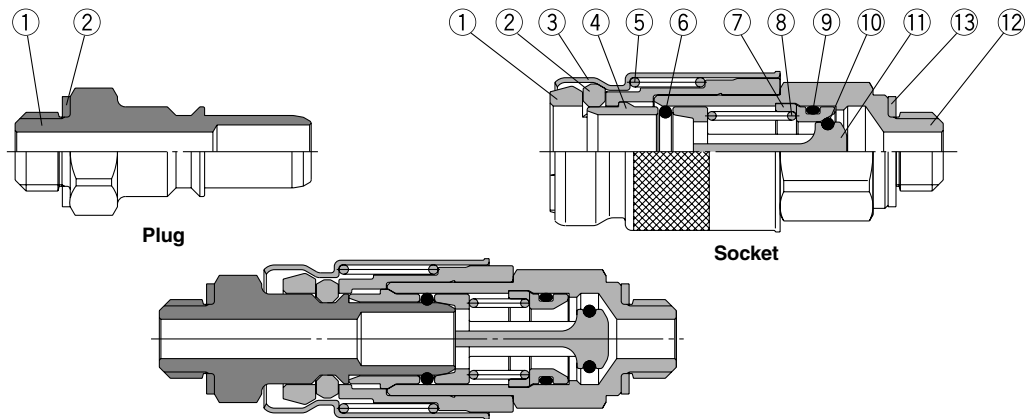
Symbol	Applicable tubing O.D. mm
23	ø3.2
04	ø4
06	ø6
08	ø8
10	ø10
12	ø12
16	ø16

Nut fitting type

Symbol	Applicable hose I.D./O.D. mm
50	5/8
60	6/9
65	6.5/10
80	8/12
85	8.5/12.5
110	11/16

Construction

KK2



Plug

No.	Description	Material	Note
1	Stem	C3604	Electroless nickel plated
2	Gasket	Stainless steel 304, NBR	

Series KK2 Spare Parts

Description	Part no.	No.
Gasket	M-5G2	Plug②
		Socket⑬

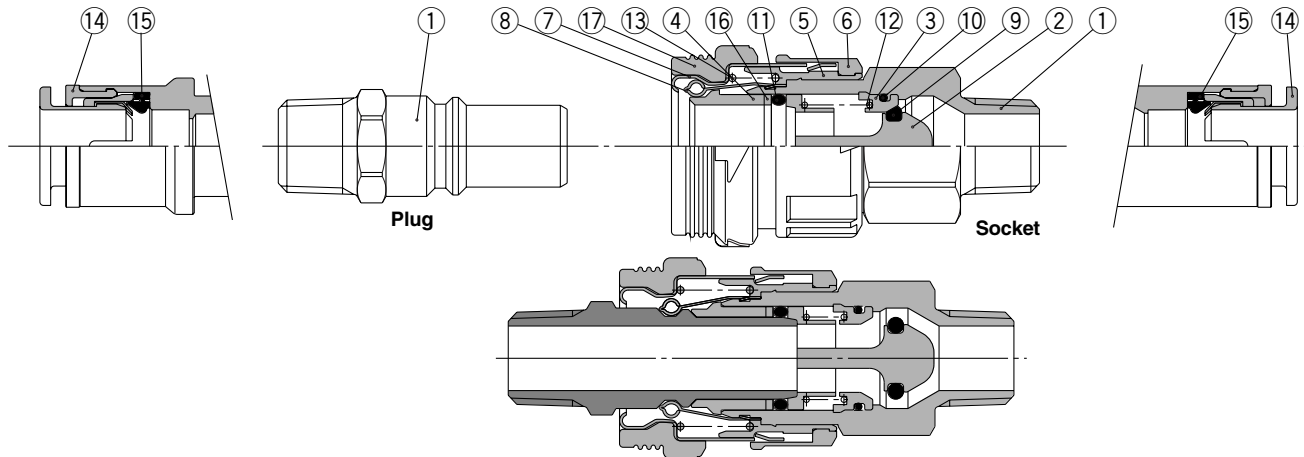
Socket

No.	Description	Material	Note
1	Spacer	PBT	
2	Chuck	PBT	
3	Sleeve	C2680	Electroless nickel plated
4	Collar	C3604	Electroless nickel plated
5	Sleeve spring	Stainless steel 304	
6	Plug O-ring	NBR	
7	Valve seat	PBT	
8	Valve spring	Stainless steel 304	
9	Valve seat O-ring	NBR	
10	Valve O-ring	FKM	
11	Valve	PBT	
12	Socket body	C3604	Electroless nickel plated
13	Gasket	Stainless steel 304, NBR	

KK3/4/6

<With One-touch fitting >

<With One-touch fitting >



Plug

No.	Description	Material	Note
1	Stem	C3604	Electroless nickel plated
14	Cassette	—	
15	Seal	NBR	

Series KK/KKH Spare Parts

Description	Part no.	No.
Sleeve cover	KK3S-P01	Socket⑰
	KK4S-P01	
	KK6S-P01	

Socket

No.	Description	Material	Note
1	Body	C3604	Electroless nickel plated
2	Valve	PBT	
3	Valve seat	PBT	
4	Collar	PBT	
5	Spacer	PBT	
6	Lock ring	Shock absorbent PBT	
7	Sleeve	Cold rolled carbon steel sheet	Electroless nickel plated
8	Chuck	Stainless steel 304	
9	Valve O-ring	FKM	
10	Valve seat O-ring	NBR	
11	Plug O-ring	NBR	
12	Valve spring	Stainless steel 304	
13	Sleeve spring	Stainless steel 304	
14	Cassette	—	
15	Seal	NBR	
16	Collar 2	Stainless steel 304	
17	Sleeve cover	Weather resistant NBR	

Series KK

Dimensions/Plug (P)

Male thread type

(mm)

KK2

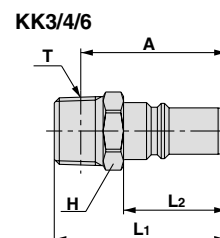
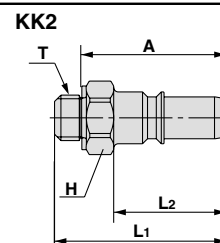


KK3/4/6



Body size	Model	T Connection port size	H Width across flats	L1	L2	A*	Min. bore size	Effective area mm ²	Mass g
M5	KK2P-M5M	M5 x 0.8	7	18.8	12.3	15.8	2.5	4.4	2.6
	-01MS	R 1/8	10	22.3		19.2	3.4	8.1	3.0
1/8	KK3P-01MS	R 1/8		29.5	18.4	26.4	6.0	22.6	8.4
	-02MS	R 1/4	14	32.9		27.4			14.2
	-03MS	R 3/8	17	35.8	19.9	30.4			28.1
1/4	KK4P-01MS	R 1/8	14	36.1	25.2	33.0	9.0	50.9	17.0
	-02MS	R 1/4		39.7		34.2			20.2
	-03MS	R 3/8	17	41.1		35.7			32.5
	-04MS	R 1/2	22	45.3		38.2			57.4
1/2	KK6P-03MS	R 3/8	19	46.9	31.0	41.5	11.0	76.0	44.7
	-04MS	R 1/2	22	51.1		44.0	13.0	106.2	53.7
	-06MS	R 3/4	27	55		45.5			94.4

* Reference dimension for R threads after installation.

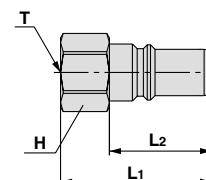


Female thread type

(mm)



Body size	Model	T Connection port size	H Width across flats	L1	L2	Min. bore size	Effective area mm²	Mass g
M5	KK2P-M5F	M5 x 0.8	8	17.6	12.3	3.4	8.1	2.6
1/8	KK3P-01F	Rc 1/8	14	28.3	18.4	6.0	22.6	10.4
	-02F	Rc 1/4	17	35.0	19.9			20.8
	-03F	Rc 3/8	19	36.8				23.2
1/4	KK4P-02F	Rc 1/4	17	37.2	25.2	9.0	50.9	23.9
	-03F	Rc 3/8	19	39.8				24.6
1/2	KK6P-03F			Rc 1/2	24	43.3	31.0	13.0
	-04F	50.2	43.9					

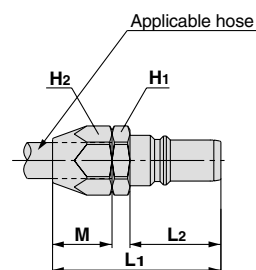


Nut fitting type (for fiber reinforced urethane hose)

(mm)



Body size	Model	Applicable hose I.D./O.D.	H1 Width across flats	H2 Width across flats	L1	L2	M	Min. bore size	Effective area mm ²	Mass g	
1/8	KK3P-50N	5/8	14	14	36.1	18.4	13.7	4.5	12.7	21.4	
	-60N	6/9		17	39.9		16.5	5.4	18.3	38.8	
	-65N	6.5/10						5.9	21.9	35.9	
1/4	KK4P-50N	5/8	17	14	43.9	25.2	13.7	4.5	12.7	34.7	
	-60N	6/9		17	46.7		16.5	5.4	18.3	48.4	
	-65N	6.5/10						5.9	21.9	45.1	
	-80N	8/12	19	19	47.6		17.4	7.4	34.4	53.2	
	-85N	8.5/12.5						7.8	38.2	55.6	
1/2	KK6P-80N	8/12	24	24	57.2	31.0	20.1	7.4	34.4	60.5	
	-85N	8.5/12.5						7.8	38.2	62.8	
	-110N	11/16						10.2	65.4	96.5	

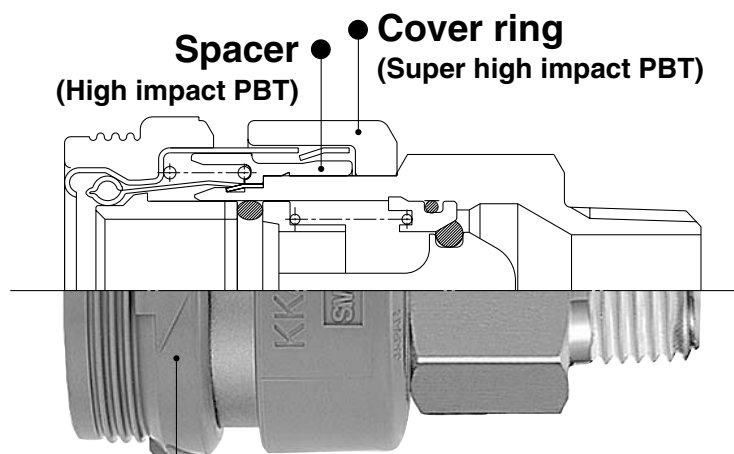


S Couplers

Series KKH



- Able to absorb drop impact (equivalent to impact energy of 0.5 J).
- The pulling strength for the plugs and sockets has been improved. Twice as strong as the conventional models.



Sleeve cover ●
(Rubber)

- Same effective sectional area as that of Series KK.

Plug (P)

Male thread type

	Body size	Connection port size	Part no.
	1/8	R 1/8	KK3P-01MS
		R 1/4	-02MS
		R 3/8	-03MS
	1/4	R 1/8	KK4P-01MS
		R 1/4	-02MS
		R 3/8	-03MS
		R 1/2	-04MS

Female thread type

	Body size	Connection port size	Part no.
	1/8	Rc 1/8	KK3P-01F
		Rc 1/4	-02F
		Rc 3/8	-03F
	1/4	Rc 1/4	KK4P-02F
		Rc 3/8	-03F

Nut fitting type (for fiber reinforced urethane hose)

	Body size	Applicable hose I.D./O.D. mm	Part no.
	1/8	5/8	KK3P-50N
		6/9	-60N
		6.5/10	-65N
	1/4	5/8	KK4P-50N
		6/9	-60N
		6.5/10	-65N
		8/12	-80N
		8.5/12.5	-85N

Socket (S)

Male thread type

	Body size	Connection port size	Part no.
	1/8	R 1/8	KKH3S-01MS
		R 1/4	-02MS
		R 3/8	-03MS
	1/4	R 1/8	KKH4S-01MS
		R 1/4	-02MS
		R 3/8	-03MS
		R 1/2	-04MS

Female thread type

	Body size	Connection port size	Part no.
	1/8	Rc 1/8	KKH3S-01F
		Rc 1/4	-02F
		Rc 3/8	-03F
	1/4	Rc 1/4	KKH4S-02F
		Rc 3/8	-03F

Nut fitting type (for fiber reinforced urethane hose)

	Body size	Applicable hose I.D./O.D. mm	Part no.
	1/8	5/8	KKH3S-50N
		6/9	-60N
		6.5/10	-65N
	1/4	5/8	KKH4S-50N
		6/9	-60N
		6.5/10	-65N
		8/12	-80N
		8.5/12.5	-85N

Series KKH are only available as sockets.
Series KK should be used as plugs.