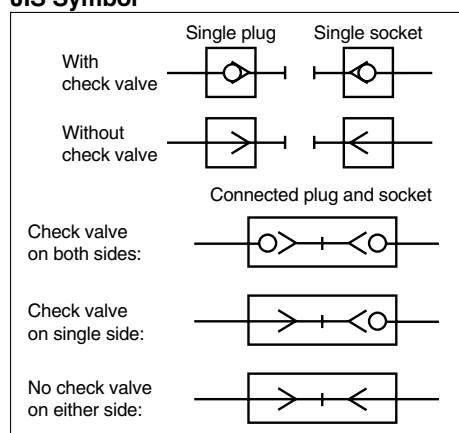


# S Couplers Series KKA

Stainless steel type



## JIS Symbol



## Characteristics with check valve on both sides

Body size	Liquid dripping cm <sup>3</sup> at each removal	Aeration cm <sup>3</sup> at each removal
KKA3	0.02	0.1
KKA4	0.04	0.1
KKA6	0.06	0.2
KKA7	0.14	0.5
KKA8	0.27	0.9
KKA9	0.77	2.7

### Liquid dripping:

Volume of water leakage at the time when the plug and socket are uncoupled.

### Aeration:

Volume of external air entrained when the plug and socket are connected.

## Specifications

<b>Fluid</b>	Water, Air
<b>Operating pressure range</b> <small>Note 1)</small>	KKA3: -100 kPa to 1 MPa KKA4/6/7/8/9: 0 to 1 MPa
<b>Proof pressure</b>	10 MPa
<b>Ambient and fluid temperature</b>	-5 to 150°C (No freezing) <small>Note 2)</small> This product should not be used with steam.
<b>Non-greased specification</b>	No grease is used. Rubber: Fluorine coated, (Metal sliding parts: Plated with fluorine-contained material)
<b>Material</b>	Metal part: Stainless steel 304, Rubber material: Fluoro rubber (Special FKM)
<b>Seal</b>	With male thread sealant

Note 1) Do not use the S couplers with a leak tester or for vacuum retention because they are not guaranteed for zero leakage.

Note 2) When fluid contains copper ions, please use KKA□-X70. (p. 275)

## Performance

<b>Plug and socket connection</b>	One-touch connection and release
<b>Check valve</b>	Check valve on both sides, Without check valve

Note) Series KKA cannot be connected with Series KK or Series KKH.

## Effective Area

Built-in check valve	Plug	Socket	Effective area mm <sup>2</sup>
Plug: With check valve Socket: With check valve	KKA3P-01F	KKA3S-01F	17.4
	KKA4P-02F	KKA4S-02F	26.4
	KKA6P-04F	KKA6S-04F	54.2
	KKA7P-06F	KKA7S-06F	99.6
	KKA8P-10F	KKA8S-10F	168.3
	KKA9P-12F	KKA9S-12F	332.1
Plug: Without check valve Socket: With check valve	KKA3P-01M-1	KKA3S-01M	18.5
	KKA4P-02M-1	KKA4S-02M	31.8
	KKA6P-04M-1	KKA6S-04M	55.3
Plug: Without check valve Socket: Without check valve	KKA3P-01M-1	KKA3S-01M-1	22.6
	KKA4P-02M-1	KKA4S-02M-1	40.2
	KKA6P-04M-1	KKA6S-04M-1	76.0

## How to Order

KKA 4 P - 02 M

### Body size

3	1/8
4	1/4
6	1/2
7	3/4
8	1
9	1 1/4

### Socket/Plug designation

P	Plug
S	Socket

### Port size

Symbol	Thread size
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
10	R, Rc 1
12	R, Rc 1 1/4
14	R, Rc 1 1/2

### Built-in check valve

Nil	With check valve
-1	Without check valve

Note) KKA7/8/9 is not available without a check valve. Contact us when such a type is needed.

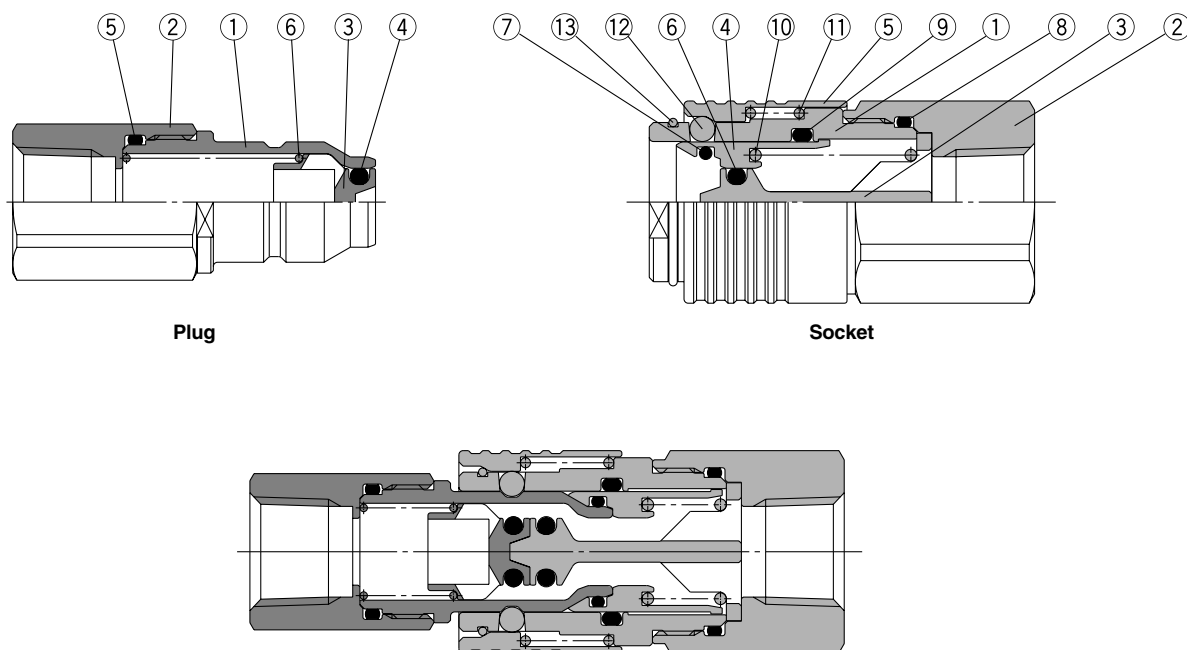
### Connection type

Symbol	Type
M	Male thread (with sealant)
F	Female thread

	Plug	Socket	Availability
Built-in check valve	Yes	Yes	○
	No	Yes	○
	No	No	○
	Yes	No	×

Note) A plug with check valve should be used in combination with a socket with check valve.  
If a socket without check valve is used, the check valve of the plug will not open.

## Construction


☐ K

☐ M

☐ H

☒ KK

☐ D

☐ MS

☐ LQ

☐ MQR

☐ T

### Plug

No.	Description	Material	Note
1	<b>Stem</b>	Stainless steel 304	Plated with fluorine-contained material
2	<b>Rear stem</b>	Stainless steel 304	
3	<b>Plug valve</b>	Stainless steel 304	
4	<b>Valve O-ring</b>	Special FKM	Fluorine coated
5	<b>Stem O-ring</b>	Special FKM	Fluorine coated
6	<b>Plug valve spring</b>	Stainless steel 304	

### Socket

No.	Description	Material	Note
1	<b>Body</b>	Stainless steel 304	Plated with fluorine-contained material
2	<b>Rear body</b>	Stainless steel 304	
3	<b>Socket valve</b>	Stainless steel 304	
4	<b>Collar</b>	Stainless steel 304	Plated with fluorine-contained material
5	<b>Sleeve</b>	Stainless steel 304	Plated with fluorine-contained material
6	<b>Valve O-ring</b>	Special FKM	Fluorine coated
7	<b>Plug O-ring</b>	Special FKM	Fluorine coated
8	<b>Body O-ring</b>	Special FKM	Fluorine coated
9	<b>Collar seal</b>	Special FKM	Fluorine coated
10	<b>Collar spring</b>	Stainless steel 304	
11	<b>Sleeve spring</b>	Stainless steel 304	
12	<b>Steel ball</b>	Stainless steel 304	
13	<b>Stopper ring</b>	Stainless steel 304	

### Series KKA Spare Parts

Description	Product no.	No.
Plug O-ring	KKA3S-P01	Socket ⑦
	KKA4S-P01	
	KKA6S-P01	
	KKA7S-P01	
	KKA8S-P01	
	KKA9S-P01	