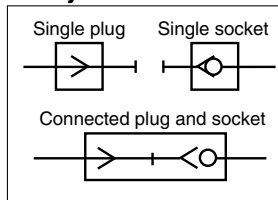


# S Couplers Series *KK130*



## JIS Symbol



## Specifications

Fluid	Air (Note)
Operating pressure range	0 to 1.5 MPa One-touch fitting type: 0 to 1.0 MPa
Proof pressure	2.0 MPa
Ambient and fluid temperature	–20 to 80°C (No freezing) One-touch fitting type: –5 to 60°C (No freezing)
Plating	Sleeve: Electroless nickel plated Other external metal parts: Zinc chromated
Sealant	Male thread with sealant

Note) Cannot be used for water.

## Performance

Plug and socket connection	Sleeve slide detachable type
Check valve	Socket: Built-in check valve
Flow direction	Dual directional
Sleeve lock mechanism	Manual locking type (with detent) Semi-standard

## How to Order

**KK130 P - 02 MS**

130 series

Socket/Plug

Symbol	Type
<b>P</b>	Plug
<b>S</b>	Socket
<b>L</b>	Semi-standard Socket (With sleeve lock mechanism)

Connection type

Symbol	Type
<b>MS</b>	Male thread (With sealant)
<b>F</b>	Female thread
<b>B</b>	With barb fitting
<b>N</b>	With nut fitting
<b>H</b>	With one-touch fitting

Port size variations

### Male/Female thread type

Symbol	Thread size
<b>01</b>	R, Rc1/8
<b>02</b>	R, Rc1/4
<b>03</b>	R, Rc3/8
<b>04</b>	R, Rc1/2
<b>N01</b>	NPT1/8
<b>N02</b>	NPT1/4
<b>N03</b>	NPT3/8
<b>N04</b>	NPT1/2

### Barb fitting type

Symbol	Hose nominal
<b>07</b>	6 (1/4")
<b>09</b>	8 (1/4")
<b>11</b>	9 (3/8")
<b>13</b>	12 (1/2")

\* The figures in ( ) indicate the internal diameter of the applicable hose.

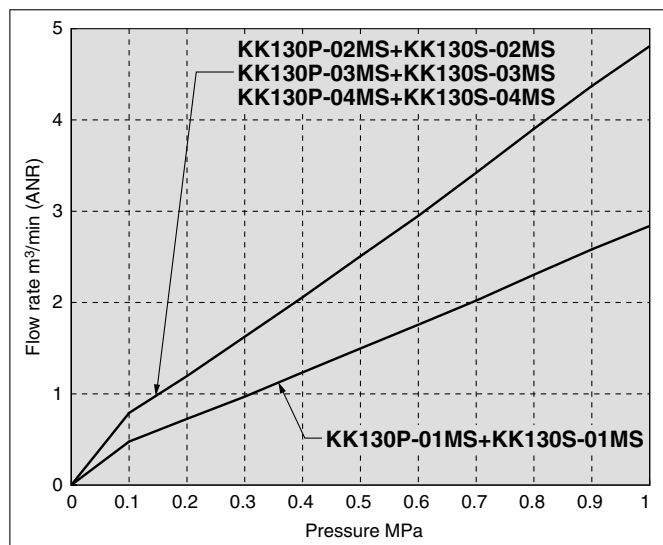
### Nut fitting type

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

### One-touch fitting type

Symbol	Applicable tube O.D. mm	
<b>06</b>	ø6	Metric size
<b>08</b>	ø8	
<b>10</b>	ø10	
<b>12</b>	ø12	
<b>07</b>	ø1/4"	Inch size
<b>09</b>	ø5/16"	
<b>11</b>	ø3/8"	
<b>13</b>	ø1/2"	

## Flow-rate Characteristics [Representative Value]



\* This flow-rate characteristic test method complies with JIS B 8390 (Pneumatic fluid power – Components using compressible fluids – Determination of flow-rate characteristics)  
\* The figures are representative values when the same type of plug and socket are connected.

Connection type			Sonic conductance C [dm³/(s·bar)]	Critical pressure ratio b	Flow coefficient Cv	Effective area S [mm²]
Type	Symbol	Connection				
Male thread	-01MS	R1/8	4.2	0.4	1.2	21
	-02MS	R1/4	7.0	0.4	1.9	35
	-03MS	R3/8	7.0	0.5	2.1	35
	-04MS	R1/2	7.0	0.5	2.1	35
Female thread	-01F	Rc1/8	6.0	0.5	1.8	30
	-02F	Rc1/4	7.0	0.5	2.1	35
	-03F	Rc3/8	7.0	0.5	2.1	35
	-04F	Rc1/2	7.0	0.5	2.1	35
With barb fitting	-07B	6 (1/4")	2.0	0.4	0.5	10
	-09B	8 (1/4")	3.0	0.4	0.8	15
	-11B	10 (3/8")	6.0	0.5	1.8	30
	-13B	12 (1/2")	7.0	0.5	2.1	35
With nut fitting	-50N	5/8	2.0	0.4	0.5	10
	-60N	6/9	3.5	0.4	1.0	18
	-65N	6.5/10	4.2	0.4	1.2	21
	-80N	8/12	7.0	0.4	1.9	35
	-85N	8.5/12.5	7.0	0.4	1.9	35
	-110N	11/16	7.0	0.5	2.1	35
With one-touch fitting	-06H	ø6	2.0	0.4	0.5	10
	-08H	ø8	4.4	0.5	1.3	22
	-10H	ø10	7.0	0.5	1.8	35
	-12H	ø12	7.0	0.5	2.1	35

## Construction

<With one-touch fitting>

<With one-touch fitting>

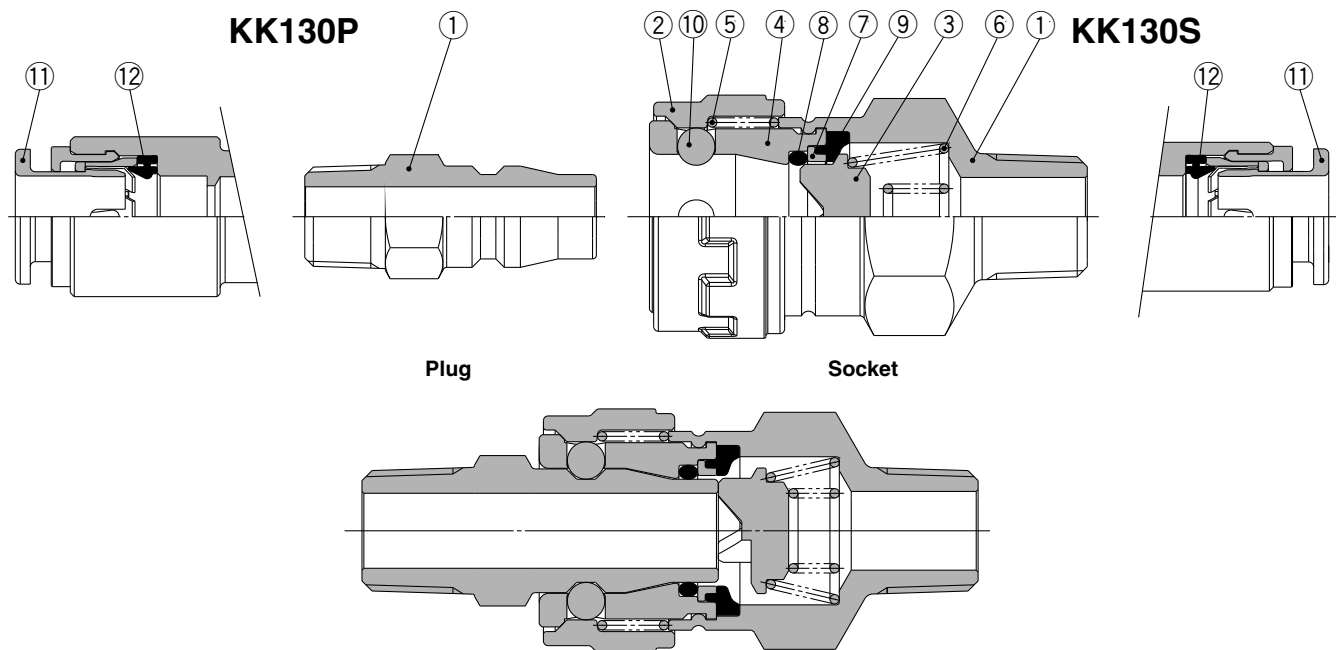


Figure: Connected plug and socket

### Plug

No.	Description	Material	Note
1	Plug	Structural steel	Zinc chromated
11	Cassette	—	
12	Seal	NBR	

### Socket

No.	Description	Material	Note
1	Socket body	Structural steel	Zinc chromated
2	Sleeve	Steel wire	Electroless nickel plated
3	Valve	Steel wire	Zinc chromated
4	Main body	Steel wire	Zinc chromated
5	Sleeve spring	Stainless steel	
6	Valve spring	Stainless steel	
7	Holder	Steel band	Zinc chromated
8	Plug O-ring	NBR	
9	Seal	NBR	
10	Steel ball	SUJ	
11	Cassette	—	
12	Seal	NBR	