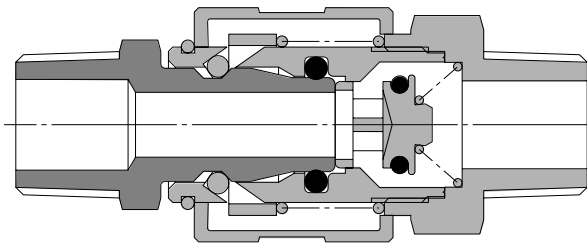


S Couplers

Series KK13



Manufactured by Rectus



- **One-touch connection**
 - Can be connected by simply pushing the plug into the socket.
 - Manipulation with one hand improves work efficiency.
- **Flow is possible from the plug side or socket side.**
- **O-ring seal construction for outstanding air tightness and durability.**

Plug (P)

Male thread type



Port size	Part no.
R 1/8	KK13P-01M
R 1/4	-02M
R 3/8	-03M
R 1/2	-04M

Female thread type



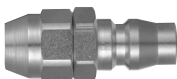
Port size	Part no.
Rc 1/4	KK13P-02F
Rc 3/8	-03F
Rc 1/2	-04F
G1/4	-G02F

Barb fitting type



Applicable hose I.D.	Part no.
1/4"	KK13P-07B
1/4"	-09B
3/8"	-11B
1/2"	-13B

Nut fitting type (for fiber reinforced urethane hose)



Applicable hose I.D./O.D.	Part no.
5/8	KK13P-50N
6/9	-60N
6.5/10	-65N
8/12	-80N
8.5/12.5	-85N
11/16	-110N

Socket (S)

Male thread type



Port size	Part no.
R 1/8	KK13S-01M
R 1/4	-02M
R 3/8	-03M
R 1/2	-04M

Female thread type



Port size	Part no.
Rc 1/4	KK13S-02F
Rc 3/8	-03F
Rc 1/2	-04F

Barb fitting type



Applicable hose I.D.	Part no.
1/4"	KK13S-07B
1/4"	-09B
3/8"	-11B
1/2"	-13B

Nut fitting type (for fiber reinforced urethane hose)



Applicable hose I.D./O.D.	Part no.
5/8	KK13S-50N
6/9	-60N
6.5/10	-65N
8/12	-80N
8.5/12.5	-85N
11/16	-110N

S Couplers

Series *KK13*

Manufactured by Rectus



Specifications

Fluid	Air (Note)
Operating pressure range	0 to 1.5MPa
Proof pressure	2MPa
Ambient and fluid temperature	-5 to 60°C
Plating	Nickel plated external metal parts

Note) Cannot be used with water.

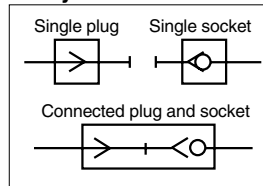
Performance

Plug and socket connection	One-touch connection and release
Check valve	Socket: Built-in check valve (standard)

Effective Area

Body size	Plug	Socket	Effective area mm ²
1/4	KK13P-02M	KK13S-02M	24.1
	KK13P-03M	KK13S-03M	31.1

JIS symbols



How to Order

KK 13 S-02 M

Series 13

Connection type

M	Male thread
F	Female thread
B	With barb fitting
N	With nut fitting

Socket/Plug designation

S	Socket
P	Plug

Port size variation

Male/Female thread type	
Symbol	Thread size
01	R, Rc 1/8
02	R, Rc 1/4
03	R, Rc 3/8
04	R, Rc 1/2
G02	G1/4

Barb fitting type

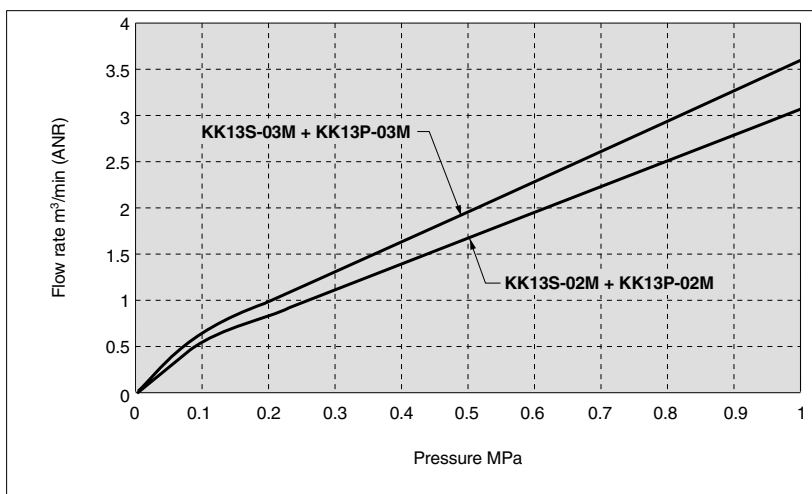
Symbol	Hose I.D.
07	6(1/4")
09	8(1/4")
11	9(3/8")
13	12(1/2")

Nut fitting type

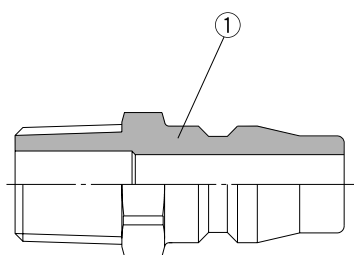
Symbol	Applicable hose I.D./O.D.
50	5/8
60	6/9
65	6.5/10
80	8/12
85	8.5/12.5
110	11/16

Series KK13

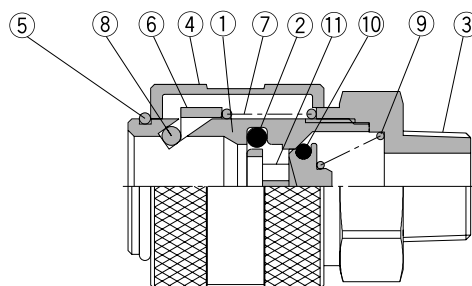
Flow Characteristics



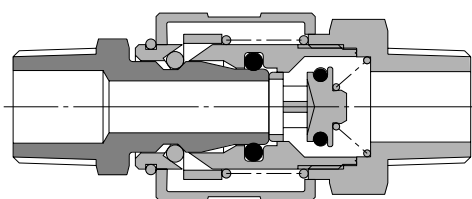
Construction



Plug



Socket



Plug

No.	Description	Material	Note
1	Stem	Steel	Nickel plated

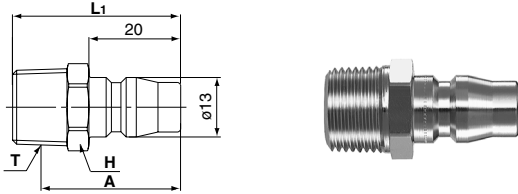
Socket

No.	Description	Material	Note
1	Coupling body	Brass	Nickel plated
2	Plug O-ring	NBR	
3	Body	Brass	Nickel plated
4	Sleeve	Brass	Nickel plated
5	Snap ring	Stainless steel	
6	Collar	Brass	
7	Sleeve spring	Stainless steel	
8	Locking pin	Stainless steel	
9	Valve spring	Stainless steel	
10	Valve O-ring	NBR	
11	Valve	Brass	

Dimensions

Plug (P)

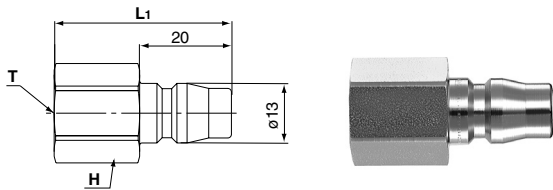
Male thread type



Model	T Connection male threads	H Width across flats	L1	A*	Min. bore size	Effective area mm ²	Weight g
KK13P-01M	R1/8	14	34.0	30.0	6.0	22.6	18
-02M	R1/4	14	37.0	31.0			22
-03M	R3/8	17	30.6	7.5	35.3		27
-04M	R1/2	22	44.0	35.8			51

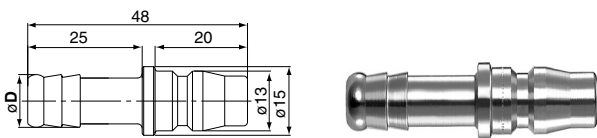
* Reference dimension after installation.

Female thread type



Model	T Connection female threads	H Width across flats	L1	Min. bore size	Effective area mm ²	Weight g
KK13P-02F	Rc 1/4	17	35.5			27
-03F	Rc 3/8	19	39.0	7.5	35.3	32
-04F	Rc 1/4	24	42.5			51
-G02F	G1/4	17	32.0			27

Barb fitting type (for rubber hose)

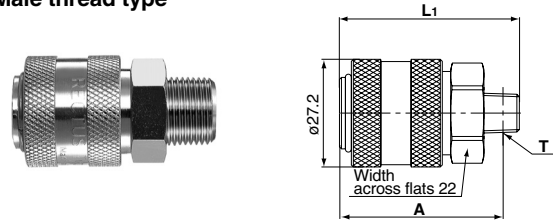


Model	Hose I.D.	øD	Min. bore size	Effective area mm ²	Weight g
KK13P-07B	6(1/4")	7.5	4.1	10.6	17
-09B	8(1/4")	9.4	6.0	22.6	18
-11B	9(3/8")	11.5	7.5	35.3	21
-13B	12(1/2")	14.5			25

Refer to page 9 for calculation of the connected plug and socket dimension.

Socket (S)

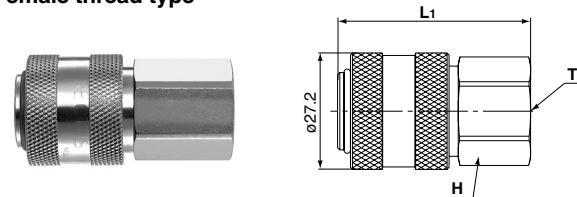
Male thread type



Model	T Connection male threads	L1	A*	Min. bore size	Effective area mm ²	Weight g
KK13S-01M	R 1/8	45.5	41.5	6.0	19.0	81
-02M	R 1/4	48.5	42.5	7.0	24.1	86
-03M	R 3/8		42.1	10.2	31.1	89
-04M	R 1/2	53.0	44.8		32.1	108

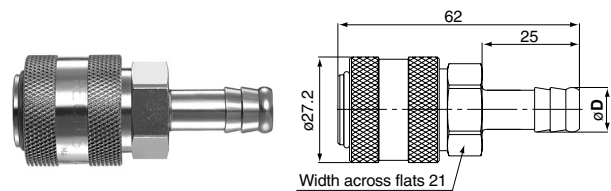
* Reference dimension after installation.

Female thread type



Model	T Connection female threads	H Width across flats	L1	Min. bore size	Effective area mm ²	Weight g
KK13S-02F	Rc 1/4	22	47.0	10.5	25.7	103
-03F	Rc 3/8		52.0	10.2	31.1	107
-04F	Rc 1/2	24	55.5		32.1	117

Barb fitting type (for rubber hose)



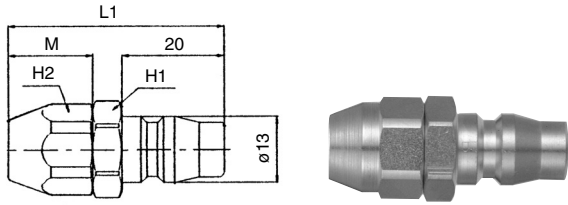
Model	Hose I.D.	øD	Min. bore size	Effective area mm ²	Weight g
KK13S-07B	6(1/4")	7.5	4.1	8.0	81
-09B	8(1/4")	9.5	6.0	16.1	83
-11B	9(3/8")	11.5	8.0	25.4	
-13B	12(1/2")	14.5	10.2	31.9	88

Series KK13

Dimensions

Plug (P)

Nut fitting type (for fiber reinforced urethane hose)

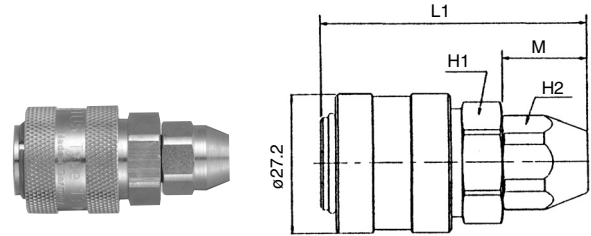


(mm)

Model	Applicable hose I.D./O.D.	H1 Width across flats	H2 Width across flats	L1	M	Effective area mm ²	Weight g
KK13P-50N	5/8					10.6	
-60N	6/9	17	17	43.0	17.0	16.3	42
-65N	6.5/10						
-80N	8/12						
-85N	8.5/12.5	19	19	45.0	19.0	28.5	52
-110N	11/16	23	23	52.0	23.0	30.9	98

Socket (S)

Nut fitting type (for fiber reinforced urethane hose)



(mm)

Model	Applicable hose I.D./O.D.	H1 Width across flats	H2 Width across flats	L1	M	Effective area mm ²	Weight g
KK13S-50N	5/8					8.5	
-60N	6/9		17	53.2	17.0	14.0	98
-65N	6.5/10	21					
-80N	8/12						
-85N	8.5/12.5		19	55.2	19.0	22.9	105
-110N	11/16	24	23	59.2	23.0	25.0	142