



Nominal Diameter

5 = 20 mm²

RECTUS Series

21KS



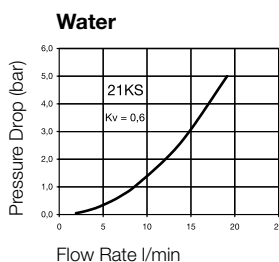
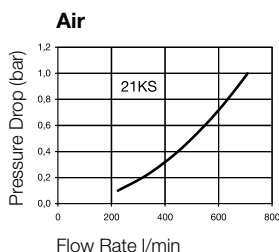
actual size



Technical Description

Mini industrial coupling, the world's most commonly used profile. Above average flow performance for liquid and gaseous media. It also uses an additional safety locking system. This prevents unintentional disconnection. When being disconnected, the plug must first be pushed further into the coupling before it can be disconnected.

Chart



Advantages

Small dimensions. The safety locking system prevents unauthorized disconnection.

Dust Caps (P. 331)

for coupling Part.-No. SK16S



Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*

-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

*At a temperature below -20°C and above +100°C special seals are available on request.

Material

Coupling

Back Body
Valve Body
Sleeve
Valve
Spring and Locking Rings
Locking Balls
Seal

Standard

Brass
Brass
Brass
Brass
AISI 301
AISI 420
NBR

Nickel Plated

Brass, Nickel Plated
Brass, Nickel Plated
Brass, Nickel Plated
Brass
AISI 301
AISI 420
NBR

Plug

Plug

Brass

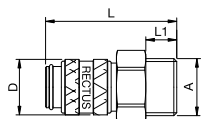
Brass, Nickel Plated

You will find the following alternative versions in our current catalogue on page:

- ▶ Safety Double Shut-off P. 276
- ▶ Coded Systems P. 300
- ▶ Brass/Steel P. 34
- ▶ Stainless Steel P. 185
- ▶ Thermoplastics P. 242

Couplings

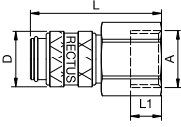
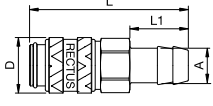
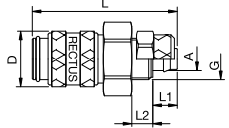
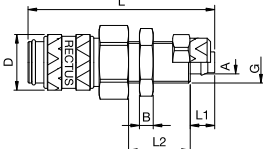
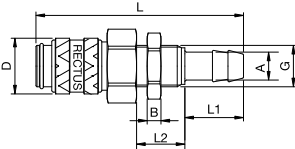
RECTUS Series 21KS



Male Thread

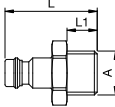
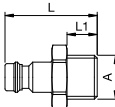
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	7					Standard	21KS AW10 MPX
									Nickel Plated	21KS AW10 MPN
G 1/4	17	38	16	9					Standard	21KS AW13 MPX
									Nickel Plated	21KS AW13 MPN
G 3/8	19	38	16	9					Standard	21KS AW17 MPX
									Nickel Plated	21KS AW17 MPN
M 12 x 1,5	17	39	16	10					Standard	21KS AD12 MPX
									Nickel Plated	21KS AD12 MPN
M 14 x 1,5	17	39	16	10					Standard	21KS AD14 MPX
									Nickel Plated	21KS AD14 MPN

ISO 8434-1

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	
 <p>Female Thread</p>	G 1/8	14	36	16	9					Standard	21KS IW10 MPX	
										Nickel Plated	21KS IW10 MPN	
	G 1/4	17	38	16	9					Standard	21KS IW13 MPX	
										Nickel Plated	21KS IW13 MPN	
	G 3/8	19	38	16	6					Standard	21KS IW17 MPX	
										Nickel Plated	21KS IW17 MPN	
	M 12 x 1,5	17	38	16	6					Standard	21KS IM12 MPX	
										Nickel Plated	21KS IM12 MPN	
 <p>Hose Barb</p>	4 mm	14	46	16	17					Standard	21KS TF04 MPX	
										Nickel Plated	21KS TF04 MPN	
	5 mm	14	46	16	17					Standard	21KS TF05 MPX	
										Nickel Plated	21KS TF05 MPN	
	6 mm	14	46	16	17					Standard	21KS TF06 MPX	
										Nickel Plated	21KS TF06 MPN	
	8 mm	14	46	16	17					Standard	21KS TF08 MPX	
										Nickel Plated	21KS TF08 MPN	
 <p>Plastic Hose Connection</p>	4 x 6 mm	14	42	16	7	6			M 10 x 1	Standard	21KS KO06 MPX	
										Nickel Plated	21KS KO06 MPN	
	6 x 8 mm	14	42	16	7	6			M 12 x 1	Standard	21KS KO08 MPX	
										Nickel Plated	21KS KO08 MPN	
 <p>Panel Mount, Plastic Hose Connection</p>	4 x 6 mm	14	54	16	7	18	14	4	M 10 x 1	Standard	21KS KS06 MPX	
										Nickel Plated	21KS KS06 MPN	
	6 x 8 mm	17	54	16	7	18	17	4	M 12 x 1	Standard	21KS KS08 MPX	
										Nickel Plated	21KS KS08 MPN	
 <p>Panel Mount, Hose Barb</p>	4 mm	14	60	16	17	14	14	4	M 10 x 1	Standard	21KS TS04 MPX	
										Nickel Plated	21KS TS04 MPN	
	5 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KS TS05 MPX	
										Nickel Plated	21KS TS05 MPN	
	6 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KS TS06 MPX	

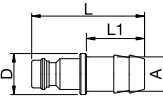
Plugs

RECTUS Series 21KS

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/8	14	25	7						Standard	21SS AW10 MXX
										Nickel Plated	21SS AW10 MXN
	G 1/4	17	28	9						Standard	21SS AW13 MXX
										Nickel Plated	21SS AW13 MXN
 <p>Female Thread</p>	G 1/8	14	25	8						Standard	21SS IW10 MXX
										Nickel Plated	21SS IW10 MXN
	G 1/4	17	25	9						Standard	21SS IW13 MXX
										Nickel Plated	21SS IW13 MXN

Plugs

RECTUS Series 21KS

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	4 mm		32	9	17					Standard	21SS TF04 MXX
										Nickel Plated	21SS TF04 MXN
	6 mm		32	9	17					Standard	21SS TF06 MXX
										Nickel Plated	21SS TF06 MXN
	8 mm		32	9	17					Standard	21SS TF08 MXX
										Nickel Plated	21SS TF08 MXN
	9 mm		33	10	17					Standard	21SS TF09 MXX
										Nickel Plated	21SS TF09 MXN
	10 mm		33	12	17					Standard	21SS TF10 MXX
										Nickel Plated	21SS TF10 MXN



Nominal Diameter

7,8 = 48 mm²

RECTUS Series

25KS

actual size

**Technical Description**

Safety coupling with UltraFlo technology. High flow performance. Notable for robust design and steel sleeve used with large pneumatic consumers. Additional safety locking system. This safety lock prevents unintentional disconnection. To disconnect, the plug must first be pushed further into the coupling before it can be unlocked.

Advantages

Quality coupling with small dimensions and high flow rates. Safety locking system. Double profiled plug design against wear of material during operation.

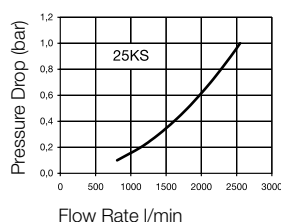
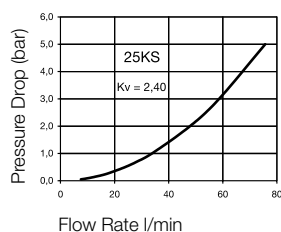
Working Temperature*

-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

*At a temperature below -20°C and above +100°C special seals are available on request.

Working Pressure

PB = 35 bar (Brass)
PB = 70 bar (with steel body and steel seal), maximum static working pressure with safety factor of 4 to 1.

Chart**Air****Water**

You will find the following alternative versions in our current catalogue on page:

- Safety Double Shut-off P. 278
- Safety Self-Venting P. 290
- Coded Systems P. 303
- Brass/Steel P. 73
- Stainless Steel P. 192

Material Coupling

Back Body
Valve Body
Sleeve

Valve
Spring and
Lock Ring
Locking Balls
Seals
Distance Sleeve
Spring Plate

Plug

Plug

Standard

Brass
Steel, Nickel Pl.
Steel Hardened,
Nickel Plated
Brass

AISI 301
AISI 420
NBR
Brass
Brass

Steel Hardened,
Zinc-Plated

Brass

Brass
Brass
Brass

Brass
AISI 301
AISI 420
NBR
Brass
Brass

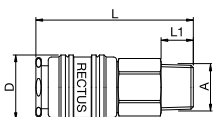
Brass

Brass, Nickel Pl.

Brass, Nickel Pl.
Brass, Nickel Pl.
Brass, Nickel Pl.

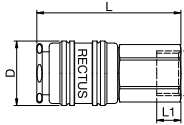
Brass
AISI 301
AISI 420
NBR
Brass
Brass

Brass, Nickel Pl.

Couplings**RECTUS Series 25KS**

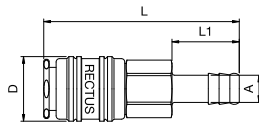
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	19	60	23	12					Standard	25KS AK13 SPN
									Brass	25KS AK13 BPX
									Brass, Nickel Pl.	25KS AK13 BPN
R 3/8	19	60	23	12					Standard	25KS AK17 SPN
									Brass	25KS AK17 BPX
									Brass, Nickel Pl.	25KS AK17 BPN
R 1/2	22	61	23	17					Standard	25KS AK21 SPN
									Brass	25KS AK21 BPX
									Brass, Nickel Pl.	25KS AK21 BPN



Female Thread

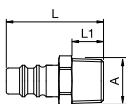
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	56	23	10					Standard	25KS IW13 SPN
									Brass	25KS IW13 BPX
									Brass, Nickel Pl.	25KS IW13 BPN
G 3/8	19	55	23	9					Standard	25KS IW17 SPN
									Brass	25KS IW17 BPX
									Brass, Nickel Pl.	25KS IW17 BPN
G 1/2	24	58	23	12					Standard	25KS IW21 SPN
6 mm	19	74	23	25					Standard	25KS TF06 SPN
8 mm	19	74	23	25					Standard	25KS TF08 SPN
									Brass	25KS TF08 BPX
									Brass, Nickel Pl.	25KS TF08 BPN
9 mm	19	74	23	25					Standard	25KS TF09 SPN
									Brass	25KS TF09 BPX
									Brass, Nickel Pl.	25KS TF09 BPN
10 mm	19	74	23	25					Standard	25KS TF10 SPN
									Brass	25KS TF10 BPX
									Brass, Nickel Pl.	25KS TF10 BPN
13 mm	19	74	23	25					Standard	25KS TF13 SPN
									Brass	25KS TF13 BPX
									Brass, Nickel Pl.	25KS TF13 BPN



Hose Barb

Plugs

RECTUS Series 25KS

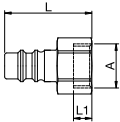


Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/8	13	33		9					Standard	25SS AK10 SXZ
R 1/4	14	37		12					Standard	25SS AK13 SXZ
G 1/4	17	33		9					Brass	26SS AW13 MXX
G 1/4	17	33		9					Brass, Nickel Pl.	26SS AW13 MXN
R 3/8	17	37		12					Standard	25SS AK17 SXZ
R 1/2	22	43		17					Standard	25SS AK21 SXZ

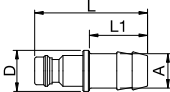
Plugs

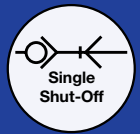
RECTUS Series 25KS

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	
 <p>Female Thread</p>	G 1/4	17	33		9					Standard	25SS IW13 SXZ	
	G 3/8	19	33		9					Standard	25SS IW17 SXZ	
	G 1/2	24	36		12					Standard	25SS IW21 SXZ	

Plugs

RECTUS Series 25KS

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	
 <p>Hose Barb</p>	6 mm		48	12	25					Standard	25SS TF06 SXZ	
	8 mm		48	12	25					Standard	25SS TF08 SXZ	
			48	12	25					Brass, Nickel Pl.	26SS TF08 MXN	
	9 mm		48	12	25					Standard	25SS TF09 SXZ	
	10 mm		48	12	25					Standard	25SS TF10 SXZ	
	13 mm		48	15	25					Standard	25SS TF13 SXZ	

**Technical Description**

The 28KS safety coupling is the largest version of our safety range. The plug must be pushed further into the coupling before it can be disconnected, which prevents unintentional disconnection. The plug profile conforms with the CETOP RP 59 P-15 standard.

Advantages

Single handed operation. High quality coupling made of steel. Safety locking system. High flow rate due to the UltraFlo valve. Double profiled plug design against wear of material during operation.

Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*

-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

*At a temperature below -20°C and above +100°C special seals are available on request.

actual size

**Material****Coupling**

Back Body
Valve Body
Sleeve
Valve
Spring and Locking Rings
Locking Balls
Seals

Standard

Brass, Nickel Plated
Steel, Nickel Plated
Steel Hardened, Nickel Plated
Brass
AISI 301
AISI 420
NBR

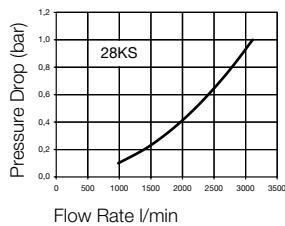
Plug

Plug

Steel Hardened,
Nickel Plated

Chart

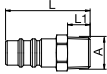
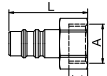
Air

**Couplings****RECTUS Series 28KS**

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	R 1/2	24	69,5	28	17					Standard	28KS AK21 SPN
	R 3/4	27	69,5	28	17					Standard	28KS AK26 SPN
 Female Thread	G 3/8	24	61,5	28	12					Standard	28KS IW17 SPN
	G 1/2	24	61,5	28	12					Standard	28KS IW21 SPN
	G 3/4	32	65,5	28	16					Standard	28KS IW26 SPN
 Hose Barb	13 mm	24	81,5	28	25					Standard	28KS TF13 SPN
	16 mm	24	81,5	28	25					Standard	28KS TF16 SPN
	19 mm	24	81,5	28	25					Standard	28KS TF19 SPN

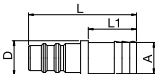
Plugs

RECTUS Series 28KS

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	R 3/8	17	45	12						Standard	28SS AK17 SXN
	R 1/2	22	50	17						Standard	28SS AK21 SXN
 Female Thread	G 3/8	19	39	9						Standard	28SS IW17 SXN
	G 1/2	24	42	12						Standard	28SS IW21 SXN
	G 3/4	32	47	16						Standard	28SS IW26 SXN

Plugs

RECTUS Series 28KS

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Hose Barb	10 mm		54	15	25					Standard	28SS TF10 SXN
	13 mm		54	15	25					Standard	28SS TF13 SXN
	16 mm		56	18	25					Standard	28SS TF16 SXN
	19 mm		56	21	25					Standard	28SS TF19 SXN



Allow us to present:
your new safety representative.



Our self-venting coupling system
in series 26KE reliably prevents
the dangerous whiplash effect.



Nominal Diameter

5 = 20 mm²

RECTUS Series

21KD



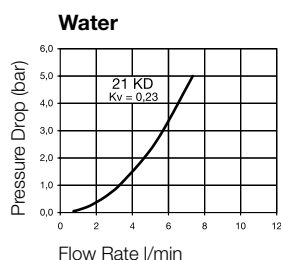
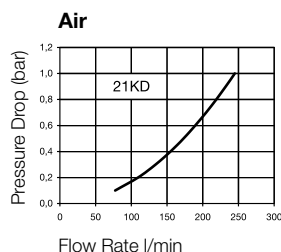
actual size



Technical Description

Mini industrial coupling, the world's most commonly used profile. Above average flow performance for liquid and gaseous media. It also uses an additional safety locking system. This prevents unintentional disconnection. When being disconnected, the plug must first be pushed further into the coupling before it can be disconnected.

Chart



Advantages

Small dimensions. The safety locking system prevents unauthorized disconnection.

Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Dust Caps (P. 331)

for coupling Part.-No. SK16S



Working Temperature*

-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

*At a temperature below -20°C and above +100°C special seals are available on request.

Material

Coupling

Back body
Valve body
Sleeve
Valve
Spring and Locking Ring
Locking Balls
Seals

Standard

Brass, Nickel Plated
Brass, Nickel Plated
Brass, Nickel Plated
Brass
AISI 301
AISI 420
NBR

Plug

Plug Profile
Back Body
Valve
Spring
Seal

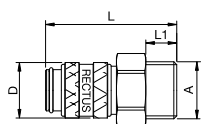
Brass, Nickel Plated
Brass, Nickel Plated
Brass
AISI 301
NBR

You will find the following alternative versions in our current catalogue on page:

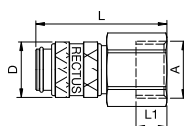
- Safety Single Shut-off P. 266
- Coded Systems P. 300
- Brass/Steel P. 34
- Stainless Steel P. 185
- Thermoplastics P. 242

Couplings

RECTUS Series 21KD



Male Thread

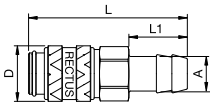


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	7					Standard	21KD AW10 MPN
G 1/4	17	38	16	9					Standard	21KD AW13 MPN
G 3/8	19	38	16	9					Standard	21KD AW17 MPN
G 1/8	14	36	16	9					Standard	21KD IW10 MPN
G 1/4	17	38	16	9					Standard	21KD IW13 MPN
G 3/8	19	38	16	9					Standard	21KD IW17 MPN

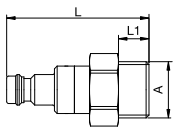
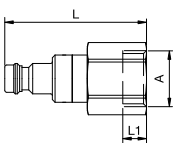
Couplings

RECTUS Series 21KD

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	6 mm	14	46	16	17					Standard	21KD TF06 MPN
	10 mm	14	46	16	17					Standard	21KD TF10 MPN

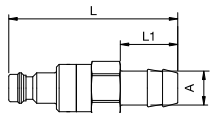
Valved Plugs

RECTUS Series 21KD

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/8	14	40		7					Standard	21SD AW10 MPN
	G 1/4	17	42		9					Standard	21SD AW13 MPN
 <p>Female Thread</p>	G 1/8	14	40		7					Standard	21SD IW10 MPN
	G 1/4	17	42		7					Standard	21SD IW13 MPN

Valved Plugs

RECTUS Series 21KD

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	6 mm	14	50		17					Standard	21SD TF06 MPN
	10 mm	14	50		17					Standard	21SD TF10 MPN



Nominal Diameter

7,4 = 43 mm²

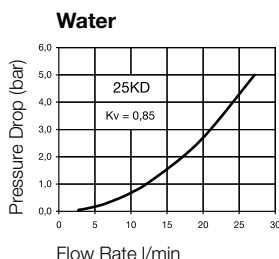
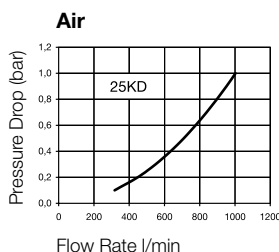
RECTUS Series

25KD

actual size

**Technical Description**

Safety coupling with UltraFlo technology. High flow performance. Notable for robust design and steel sleeve used with large pneumatic consumers. Additional safety locking system. This safety lock prevents unintentional disconnection. To disconnect, the plug must first be pushed further into the coupling before it can be unlocked.

Chart**Advantages**

Quality coupling with small dimensions and high flow rates. Safety locking system. Double profiled plug design against wear of material during operation. Non-slip sleeve can also be operated when wearing safety gloves.

Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Material**Coupling**

Back Body
Valve Body
Sleeve
Valve
Spring and Locking Ring
Locking Balls
Seals

Plug

Plug Profile
Back Body
Valve
Spring
Seal

Working Temperature*

-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316°C (KFFKM)
depending on the medium.

*At a temperature below -20°C and above +100°C special seals are available on request.

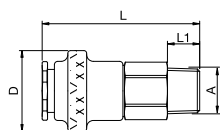
Standard

Brass, Nickel Plated
Brass, Nickel Plated
Brass, Nickel Plated
Brass
AISI 301
AISI 420
NBR

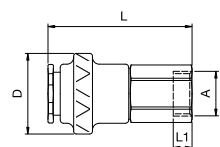
Brass, Nickel Plated
Brass, Nickel Plated
Brass
AISI 420
NBR

You will find the following alternative versions in our current catalogue on page:

- ▶ Safety Single Shut-off P. 270
- ▶ Safety Self-Venting P. 290
- ▶ Coded Systems P. 303
- ▶ Brass/Steel P. 73
- ▶ Stainless Steel P. 209

Couplings**RECTUS Series 25KD**

Male Thread

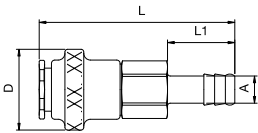


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	19	60	30	12					Standard	25KD AK13 BPN
R 3/8	19	60	30	12					Standard	25KD AK17 BPN
R 1/2	22	61	30	17					Standard	25KD AK21 BPN
G 1/4	19	56	30	10					Standard	25KD IW13 BPN
G 3/8	19	55	30	9					Standard	25KD IW17 BPN
G 1/2	24	58	30	12					Standard	25KD IW21 BPN

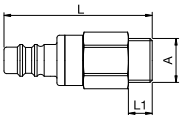
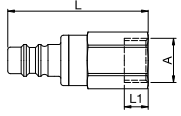
Couplings

RECTUS Series 25KD

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	
 <p>Hose Barb</p>	6 mm	19	74	30	25					Standard	25KD TF06 BPN	
	8 mm	19	74	30	25					Standard	25KD TF08 BPN	
	9 mm	19	74	30	25					Standard	25KD TF09 BPN	
	10 mm	19	74	30	25					Standard	25KD TF10 BPN	
	13 mm	19	74	30	25					Standard	25KD TF13 BPN	

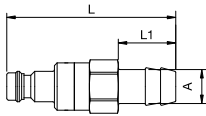
Valved Plugs

RECTUS Series 25KD

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	
 <p>Male Thread</p>	G 1/4	22	43		9					Standard	25SD AW13 MPN	
	G 3/8	22	43		9					Standard	25SD AW17 MPN	
	G 1/2	22	46		12					Standard	25SD AW21 MPN	
 <p>Female Thread</p>	G 1/4	22	43		10					Standard	25SD IW13 MPN	
	G 3/8	22	43		9					Standard	25SD IW17 MPN	
	G 1/2	24	46		12					Standard	25SD IW21 MPN	

Valved Plugs

RECTUS Series 25KD

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Material	Part Number	
 <p>Hose Barb</p>	6 mm	21	60		25					Standard	25SD TF06 MPN	
	8 mm	21	60		25					Standard	25SD TF08 MPN	
	9 mm	21	60		25					Standard	25SD TF09 MPN	
	10 mm	21	60		25					Standard	25SD TF10 MPN	
	13 mm	21	60		25					Standard	25SD TF13 MPN	



Self-Venting System

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

14KE


90% of actual size



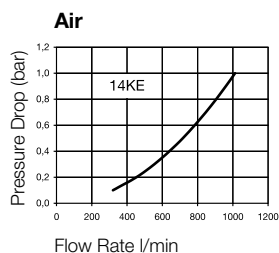
You will find the following alternative versions in our current catalogue on page:

► Brass/Steel Single Shut-off P. 44

Technical Description

The connection is made the same way as with all other quick connect coupling series, by simply pushing the plug into the coupling. The audible latching when the plug is securely in place signifies that the coupling is locked. The sleeve must be pulled back to release the first locking system before it can be disconnected. This closes the coupling valve. The compressed downstream air can now escape from the plug (hose). Pulling the sleeve back a second time releases the second locking system. The connection can now be safely undone. This self-venting coupling, designed for bleeding off trapped air, is not suitable for direct connection to compressed air tools.

Chart



Advantages

The system fulfils the requirements of ISO 4414.

- increased safety standards in the work place
- the plastic sleeve does not scratch working surfaces

Caution

Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original Rectus plugs made of steel.

Material

Coupling

Back Body
Valve Body
Sleeve
Valve
Spring
Locking Balls
Seals
Pins

Plug

Working Pressure

PB = 12 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature

-20°C up to +60°C (NBR) depending on the medium.

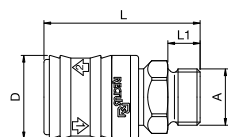
Standard

Brass, Nickel Plated
Brass, Nickel Plated
Thermoplastic
Brass
AISI 301
AISI 420
NBR
AISI 420

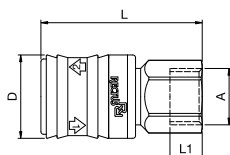
Steel Hardened, Nickel Plated

Couplings

RECTUS Series 14KE



Male Thread

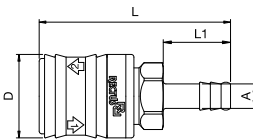


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/4	22	58	31	9					Standard	14KE AK13 MPN
R 3/8	22	58	31	9					Standard	14KE AK17 MPN
R 1/2	24	63	31	12					Standard	14KE AK21 MPN
G 1/4	22	57	31	9					Standard	14KE IW13 MPN
G 3/8	22	57	31	9					Standard	14KE IW17 MPN
G 1/2	24	60	31	12					Standard	14KE IW21 MPN

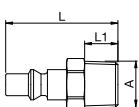
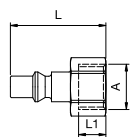
Couplings

RECTUS Series 14KE

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	6 mm	22	71	31	25					Standard	14KE TF06 MPN
	8 mm	22	71	31	25					Standard	14KE TF08 MPN
	9 mm	22	71	31	25					Standard	14KE TF09 MPN
	10 mm	22	71	31	25					Standard	14KE TF10 MPN
	13 mm	22	71	31	25					Standard	14KE TF13 MPN

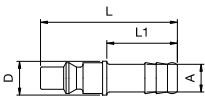
Plugs

RECTUS Series 22SF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	R 1/8	12	35		9					Standard	22SF AK10 SXN
	R 1/4	14	41		12					Standard	22SF AK13 SXN
	R 3/8	17	41		12					Standard	22SF AK17 SXN
	R 1/2	22	46		17					Standard	22SF AK21 SXN
 <p>Female Thread</p>	G 1/4	17	35		9					Standard	22SF IW13 SXN
	G 3/8	19	35		10					Standard	22SF IW17 SXN
	G 1/2	24	38		12					Standard	22SF IW21 SXN

Valved Plugs

RECTUS Series 22SF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	6 mm		49	12	25					Standard	22SF TF06 SXN
	8 mm		49	12	25					Standard	22SF TF08 SXN
	9 mm		49	12	25					Standard	22SF TF09 SXN
	10 mm		49	12	25					Standard	22SF TF10 SXN
	13 mm		49	12	25					Standard	22SF TF13 SXN



Self-Venting System

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

18KE



90% of actual size



You will find the following alternative versions in our current catalogue on page:

► Brass/Steel Single Shut-off P. 46

Technical Description

The 18KE series is a safety coupling with a self-venting system. When the sleeve is pulled back the plug is released, however, it still remains locked to the coupling. The coupling's valve closes while the downstream air supply line is vented simultaneously. Afterward it can be disconnected without any danger by pulling the sleeve back a second time to completely release the plug from the coupling.

Advantages

Connected in the same manner as all standard couplings – single hand operation. The venting takes place without any danger to the operators during the disconnecting process – no danger of being hit by a whipping hose that is still pressurized. The system fulfils the requirements stipulated in ISO 4414 for increased safety standards in the working place.

Working Pressure

PB = 8 bar, maximum static working pressure with safety factor of 4 to 1.

Working temperature

-20°C up to +60°C (NBR) depending on the medium.

Caution

Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original RECTUS plugs made of steel.

Material

Coupling

Back Body
Valve Body
Sleeve
Valve
Spring and Locking Ring
Locking Balls
Seals
Pins

Standard

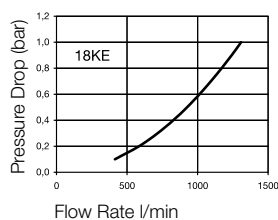
Brass, Nickel Plated
Brass, Nickel Plated
Brass, Nickel Plated
Brass
AISI 301
AISI 420
NBR
AISI 420

Plug

Steel Hardened, Nickel Plated

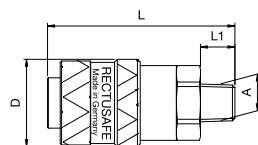
Chart

Air

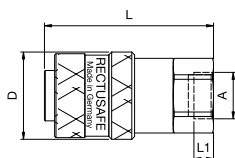


Couplings

RECTUS Series 18KE



Male Thread

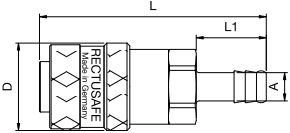


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/4	24	67	30	12					Standard	18KE AK13 BPN
R 3/8	24	67	30	12					Standard	18KE AK17 BPN
R 1/2	24	72	30	17					Standard	18KE AK21 BPN
G 1/4	24	63	30	10					Standard	18KE IW13 BPN
G 3/8	24	60	30	9					Standard	18KE IW17 BPN
G 1/2	24	65	30	12					Standard	18KE IW21 BPN

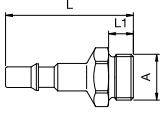
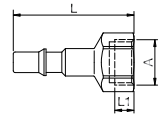
Couplings

RECTUS Series 18KE

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	6 mm	24	81	30	25					Standard	18KE TF06 BPN
	8 mm	24	81	30	25					Standard	18KE TF08 BPN
	9 mm	24	81	30	25					Standard	18KE TF09 BPN
	10 mm	24	81	30	25					Standard	18KE TF10 BPN
	13 mm	24	81	30	25					Standard	18KE TF13 BPN

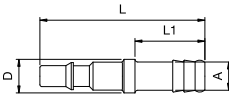
Plugs

RECTUS Series 18KE

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/4	17	41		9					Standard	18SF AW13 SXN
	G 3/8	19	41		9					Standard	18SF AW17 SXN
 <p>Female Thread</p>	G 1/4	17	43		9					Standard	18SF IW13 SXN
	G 3/8	19	44		9					Standard	18SF IW17 SXN

Plugs

RECTUS Series 18KE

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	6 mm		56	12	25					Standard	18SF TF06 SXN
	8 mm		56	12	25					Standard	18SF TF08 SXN
	9 mm		56	12	25					Standard	18SF TF09 SXN
	10 mm		56	12	25					Standard	18SF TF10 SXN
	13 mm		56	12	25					Standard	18SF TF13 SXN



Self-Venting System

Nominal Diameter

5,5 = 25 mm²


RECTUS Series

23KE

85% of actual size



You will find the following alternative versions in our current catalogue on page:

► Brass/Steel Single Shut-off P. 52

Technical Description

The 23KE series is a safety coupling with a self venting system. When the sleeve is pulled back the plug is released, however, it still remains locked to the coupling. The coupling's valve closes while the downstream air supply line is vented simultaneously. Afterward it can be disconnected without any danger by pulling the sleeve back a second time to completely release the plug from the coupling.

Advantages

Connected in the same manner as all standard couplings – single hand operation. The venting takes place without any danger to the operators during the disconnecting process – no danger of being hit by a whipping hose that is still pressurized. The system fulfils the requirements stipulated in ISO 4414 for increased safety standards in the working place. Interchangeable with Rectus Series 24.

Working Pressure

PB = 8 bar, maximum static working pressure with safety factor of 4 to 1.

Working temperature

-20°C up to +60°C (NBR) depending on the medium.

Caution

Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original RECTUS plugs made of steel.

Material

Coupling

Back Body
Valve Body
Sleeve
Valve
Spring and Locking Ring
Locking Balls
Seals
Pins

Standard

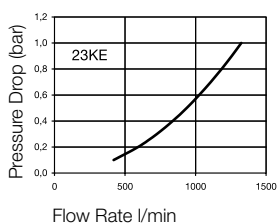
Brass, Nickel Plated
Brass, Nickel Plated
Brass, Nickel Plated
Brass
AISI 301
AISI 420
NBR
AISI 420

Plug

Steel Hardened, Nickel Plated

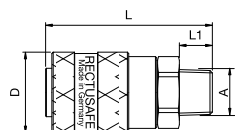
Chart

Air

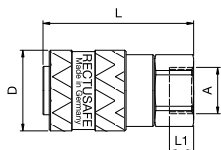


Couplings

RECTUS Series 23KE



Male Thread

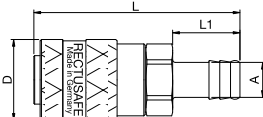


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/4	24	65	30	12					Standard	23KE AK13 BPN
R 3/8	25	65	30	12					Standard	23KE AK17 BPN
R 1/2	24	69	30	17					Standard	23KE AK21 BPN
G 1/4	24	61	30	10					Standard	23KE IW13 BPN
G 3/8	24	58	30	9					Standard	23KE IW17 BPN
G 1/2	24	63	30	10					Standard	23KE IW21 BPN

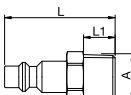
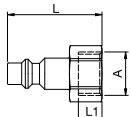
Couplings

RECTUS Series 23KE

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number	
 <p>Hose Barb</p>	6 mm	24	79	30	25					Standard	23KE TF06 BPN	
	8 mm	24	79	30	25					Standard	23KE TF08 BPN	
	10 mm	24	79	30	25					Standard	23KE TF10 BPN	
	13 mm	24	79	30	25					Standard	23KE TF13 BPN	

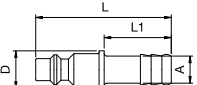
Plugs

RECTUS Series 23KE

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number	
 <p>Male Thread</p>	R 1/8	13	39		9					Standard	23SF AK10 SXN	
	R 1/4	14	42		12					Standard	23SF AK13 SXN	
	R 3/8	17	42		12					Standard	23SF AK17 SXN	
	R 1/2	22	48		17					Standard	23SF AK21 SXN	
 <p>Female Thread</p>	G 1/8	14	36		9					Standard	23SF IW10 SXN	
	G 1/4	17	36		9					Standard	23SF IW13 SXN	
	G 3/8	19	36		9					Standard	23SF IW17 SXN	
	G 1/2	24	36		12					Standard	23SF IW21 SXN	

Plugs

RECTUS Series 23KE

	Conenction A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number	
 <p>Hose Barb</p>	6 mm		51	14	25					Standard	23SF TF06 SXN	
	8 mm		51	14	25					Standard	23SF TF08 SXN	
	9 mm		51	14	25					Standard	23SF TF09 SXN	
	10 mm		51	14	25					Standard	23SF TF10 SXN	
	13 mm		51	14	25					Standard	23SF TF13 SXN	



Self-Venting System

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

24KE


85% of actual size



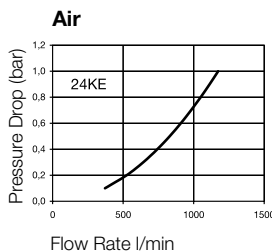
You will find the following alternative versions in our current catalogue on page:

► Brass/Steel Single Shut-off P. 58

Technical Description

The connection is made the same way as with all other quick connect coupling series, by simply pushing the plug in the coupling. The audible latching when the plug is securely in place signifies that the coupling is locked. The sleeve must be pulled back to release the first locking system before it can be disconnected. This closes the coupling valve. The compressed downstream air can now escape from the plug (hose). Pulling the sleeve back a second time releases the second locking system. The connection can now be safely undone. This self-venting coupling, designed for bleeding off trapped air, is not suitable for direct connection to compressed air tools.

Chart



Advantages

The system fulfils the requirements of ISO 4414.

- increased safety standards in the work place
- the plastic sleeve does not scratch working surfaces

Caution

Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original Rectus plugs made of steel.

Material

Coupling

Back Body
Valve Body
Sleeve
Valve
Spring and Locking Ring
Pins
Seals
Locking Balls

Working Pressure

PB = 12 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature

-20°C up to +60°C (NBR) depending on the medium.

Standard

Brass, Nickel Plated
Brass, Nickel Plated
Thermoplastic
Brass
AISI 301
AISI 420
NBR
AISI 420

Plug

Steel Hardened, Nickel Plated

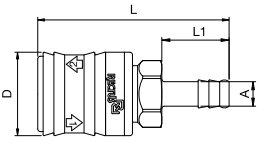
Couplings

RECTUS Series 24KE

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 Male Thread	R 1/4	22	58	31	9					Standard	24KE AK13 MPN
	R 3/8	22	58	31	9					Standard	24KE AK17 MPN
	R 1/2	24	63	31	12					Standard	24KE AK21 MPN
 Female Thread	G 1/4	22	57	31	9					Standard	24KE IW13 MPN
	G 3/8	22	57	31	9					Standard	24KE IW17 MPN

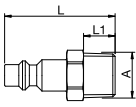
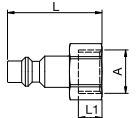
Couplings

RECTUS Series 24KE

	Connction A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	6 mm	22	71	31	25					Standard	24KE TF06 MPN
	8 mm	22	71	31	25					Standard	24KE TF08 MPN
	9 mm	22	71	31	25					Standard	24KE TF09 MPN
	10 mm	22	71	31	25					Standard	24KE TF10 MPN
	13 mm	22	71	31	25					Standard	24KE TF13 MPN

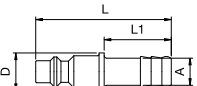
Plugs

RECTUS Series 23SF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	R 1/8	13	39		9					Standard	23SF AK10 SXN
	R 1/4	14	42		12					Standard	23SF AK13 SXN
	R 3/8	17	42		12					Standard	23SF AK17 SXN
	R 1/2	22	48		17					Standard	23SF AK21 SXN
 <p>Female Thread</p>	G 1/8	14	36		9					Standard	23SF IW10 SXN
	G 1/4	17	36		9					Standard	23SF IW13 SXN
	G 3/8	19	36		9					Standard	23SF IW17 SXN
	G 1/2	24	36		12					Standard	23SF IW21 SXN

Plugs

RECTUS Series 23SF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	6 mm		51	14	25					Standard	23SF TF06 SXN
	8 mm		51	14	25					Standard	23SF TF08 SXN
	9 mm		51	14	25					Standard	23SF TF09 SXN
	10 mm		51	14	25					Standard	23SF TF10 SXN
	13 mm		51	14	25					Standard	23SF TF13 SXN



Self-Venting System

Nominal Diameter

7,4 = 43 mm²

RECTUS Series

26KE

90% of actual size

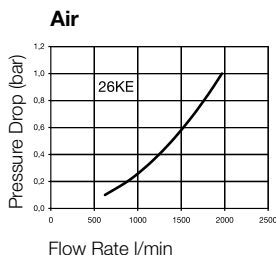


You will find the following alternative versions in our current catalogue on page:

- Brass/Steel Single Shut-off P. 66
- Brass/Steel Double Shut-off P. 136
- Stainless Steel P. 189

Technical Description

The connection is made the same way as with all other quick connect coupling series, by simply pushing the plug in the coupling. The audible latching when the plug is securely in place signifies that the coupling is locked. The sleeve must be pulled back to release the first locking system before it can be disconnected. This closes the coupling valve. The compressed downstream air can now escape from the plug (hose). Pulling the sleeve back a second time releases the second locking system. The connection can now be safely undone. This self-venting coupling, designed for bleeding off trapped air, is not suitable for direct connection to compressed air tools.

Chart**Advantages**

The system fulfils the requirements of ISO 4414.

- increased safety standards in the work place
- the plastic sleeve does not scratch working surfaces

Caution

Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original Rectus plugs made of steel.

Material**Coupling**

Back Body
Valve Body
Sleeve
Valve
Spring
Locking Balls
Seals
Pin

Plug**Working Pressure**

PB = 12 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*

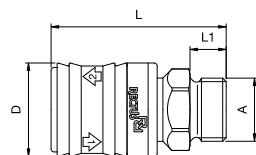
-20°C up to +60°C (NBR) depending on the medium.

*At a temperature below -20°C and above +60°C special seals are available on request.

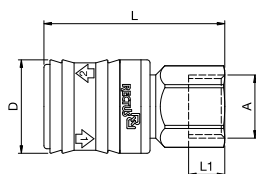
Standard

Brass, Nickel Plated
Brass, Nickel Plated
Thermoplastic
Brass
AISI 301
AISI 420
NBR
AISI 420

Steel Hardened, Zinc Plated

Couplings**RECTUS Series 26KE**

Male Thread

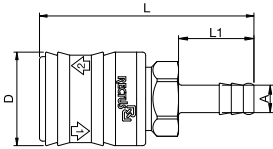


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
G 1/4	22	55	31	9					Standard	26KE AW13 MPN
G 3/8	22	55	31	9					Standard	26KE AW17 MPN
G 1/2	24	58	31	12					Standard	26KE AW21 MPN
G 1/4	22	57	31	9					Standard	26KE IW13 MPN
G 3/8	22	57	31	9					Standard	26KE IW17 MPN
G 1/2	24	60	31	12					Standard	26KE IW21 MPN

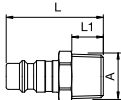
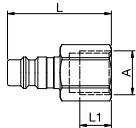
Couplings

RECTUS Series 26KE

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	6 mm	22	71	31	25					Standard	26KE TF06 MPN
	8 mm	22	71	31	25					Standard	26KE TF08 MPN
	9 mm	22	71	31	25					Standard	26KE TF09 MPN
	10 mm	22	71	31	25					Standard	26KE TF10 MPN
	13 mm	22	71	31	25					Standard	26KE TF13 MPN

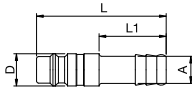
Plugs

RECTUS Series 25SF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	R 1/8	13	33		9					Standard	25SF AK10 SXZ
	R 1/4	14	37		12					Standard	25SF AK13 SXZ
	R 3/8	17	37		12					Standard	25SF AK17 SXZ
	R 1/2	22	43		17					Standard	25SF AK21 SXZ
 <p>Female Thread</p>	G 1/8	14	30		7					Standard	25SF IW10 SXZ
	G 1/4	17	33		9					Standard	25SF IW13 SXZ
	G 3/8	19	33		9					Standard	25SF IW17 SXZ
	G 1/2	24	36		12					Standard	25SF IW21 SXZ

Plugs

RECTUS Series 25SF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	6 mm		48	12	25					Standard	25SF TF06 SXZ
	8 mm		48	12	25					Standard	25SF TF08 SXZ
	9 mm		48	12	25					Standard	25SF TF09 SXZ
	10 mm		48	12	25					Standard	25SF TF10 SXZ
	13 mm		48	12	25					Standard	25SF TF13 SXZ



Self-Venting System

Nominal Diameter

7,8 = 48 mm²


RECTUS Series

25KE

85% of actual size



You will find the following alternative versions in our current catalogue on page:

- ▶ Safety Single Shut-off P. 270
- ▶ Safety Double Shut-off P. 278
- ▶ Coded Systems P. 303
- ▶ Brass/Steel P. 73
- ▶ Stainless Steel P. 192

Technical Description

The 25KE series is a safety coupling with a self venting-system. When the sleeve is pulled back the plug is released, however, it still remains locked to the coupling. The coupling's valve closes while the downstream air supply line is vented simultaneously. Afterward it can be disconnected without any danger by pulling the sleeve back a second time to completely release the plug from the coupling.

Advantages

Connected in the same manner as all standard couplings – single hand operation. The venting takes place without any danger to the operators during the dis-connecting process – no danger of being hit by a whipping hose that is still pressurized. The system fulfils the requirements stipulated in ISO 4414 for increased safety standards in the working place.

Working Pressure

PB = 8 bar, maximum static working pressure with safety factor of 4 to 1.

Working temperature

-20°C up to +60°C (NBR) depending on the medium.

Caution

Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original Rectus plugs made of steel.

Material

Coupling

Back Body
Valve Body
Sleeve
Valve
Spring
Locking Balls
Seals
Pins

Standard

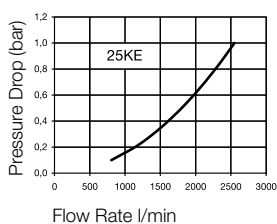
Brass, Nickel Plated
Brass, Nickel Plated
Brass, Nickel Plated
Brass, Nickel Plated
AISI 301
AISI 420
NBR
AISI 420

Plug

Steel Hardened, Zinc Plated

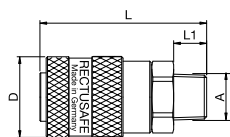
Chart

Air

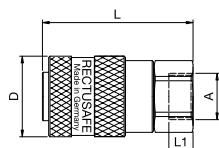


Couplings

RECTUS Series 25KE

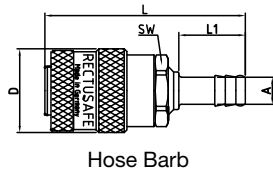


Male Thread



Female Thread

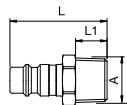
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/4	24	62	30	12					Standard	25KE AK13 BPN
R 3/8	24	62	30	12					Standard	25KE AK17 BPN
R 1/2	24	67	30	17					Standard	25KE AK21 BPN
G 1/4	24	59	30	10					Standard	25KE IW13 BPN
G 3/8	24	56	30	9					Standard	25KE IW17 BPN
G 1/2	24	61	30	12					Standard	25KE IW21 BPN



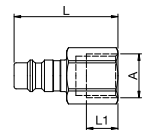
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm	24	76	30	25					Standard	25KE TF06 BPN
8 mm	24	76	30	25					Standard	25KE TF08 BPN
9 mm	24	76	30	25					Standard	25KE TF09 BPN
10 mm	24	76	30	25					Standard	25KE TF10 BPN
13 mm	24	76	30	25					Standard	25KE TF13 BPN

Plugs

RECTUS Series 25KE

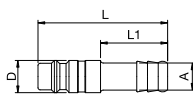


Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/8	13	33		9					Standard	25SF AK10 SXZ
R 1/4	14	37		12					Standard	25SF AK13 SXZ
R 3/8	17	37		12					Standard	25SF AK17 SXZ
R 1/2	22	43		17					Standard	25SF AK21 SXZ
G 1/8	14	30		7					Standard	25SF IW10 SXZ
G 1/4	17	38,5		9					Standard	25SF IW13 SXZ
G 3/8	19	39,5		9					Standard	25SF IW17 SXZ
G 1/2	24	44		12					Standard	25SF IW21 SXZ



Plugs

RECTUS Series 25KE



Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm		48	12	25					Standard	25SF TF06 SXZ
8 mm		48	12	25					Standard	25SF TF08 SXZ
9 mm		48	12	25					Standard	25SF TF09 SXZ
10 mm		48	12	25					Standard	25SF TF10 SXZ
13 mm		48	12	25					Standard	25SF TF13 SXZ



Self-Venting System

Nominal Diameter

10 = 80 mm²

RECTUS Series

27KE


70% of actual size



You will find the following alternative versions in our current catalogue on page:

- Brass/Steel Single Shut-off P. 95
- Brass/Steel Double Shut-off P. 145
- Stainless Steel P. 196

Technical Description

With nominal diameter 10, one of the largest range in a new generation of couplings with ventilation technology. Two-stage uncoupling prevents occurrence of the whiplash effect.

Advantages

Connected in the same manner as all standard couplings – single hand operation. The venting takes place without any danger to the operators during the disconnecting process – no danger of being hit by a whipping hose that is still pressurized. The system fulfils the requirements stipulated in ISO 4414 for increased safety standards in the working place.

Working Pressure

PB = 12 bar, maximum static working pressure with safety factor of 4 to 1.

Working temperature

-20°C up to +60°C (NBR) depending on the medium.

Caution

Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original RECTUS plugs made of steel.

Material Coupling

Back Body
Valve Body
Sleeve
Valve
Spring
Locking Balls
Seals

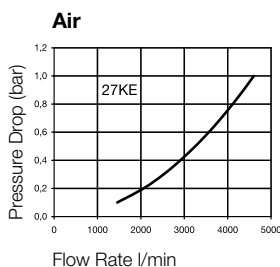
Standard

Brass, Nickel Plated
Brass, Nickel Plated
Polyamide, fiber glass reinforced
Brass
AISI 301
AISI 420
NBR

Plug

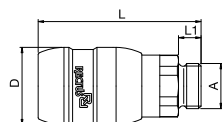
Steel Hardened, Nickel Plated

Chart

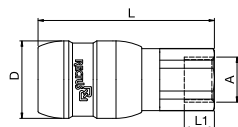


Couplings

RECTUS Series 27KE

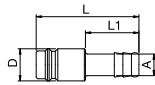


Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 3/8	27	79	38	9					Standard	27KE AK17 MPN
R 1/2	27	80,5	38	12					Standard	27KE AK21 MPN
R 3/4	32	86	38	16					Standard	27KE AK26 MPN
G 3/8	27	83	38	14					Standard	27KE IW17 MPN
G 1/2	27	84	38	14					Standard	27KE IW21 MPN
G 3/4	32	86	38	14					Standard	27KE IW26 MPN

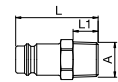


Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm		48	15	25					Standard	27SF TF06 SXN
8 mm		48	15	25					Standard	27SF TF08 SXN
9 mm		48	15	25					Standard	27SF TF09 SXN
10 mm		48	15	25					Standard	27SF TF10 SXN
13 mm		48	15	25					Standard	27SF TF13 SXN
16 mm		49	18	25					Standard	27SF TF16 SXN
19 mm		49	18	25					Standard	27SF TF19 SXN

Plugs

RECTUS Series 27KE



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/4	17	40		12					Standard	27SF AK13 SXN
R 3/8	17	40		12					Standard	27SF AK17 SXN
R 1/2	22	45		17					Standard	27SF AK21 SXN
R 3/4	27	48		19					Standard	27SF AK26 SXN



Female Thread

G 1/4	17	33		9					Standard	27SF IW13 SXN
G 3/8	19	33		9					Standard	27SF IW17 SXN
G 1/2	24	37		12					Standard	27SF IW21 SXN
G 3/4	32	42		16					Standard	27SF IW26 SXN



Self-Venting System

Nominal Diameter

11 = 95 mm²

RECTUS Series

37KE


70% of actual size



You will find the following alternative versions in our current catalogue on page:

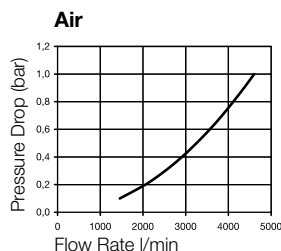
► Brass/Steel

S. 109

Technical Description

The 37KE series is a single shut-off one-hand operating self-venting coupling. The large nominal diameter makes the 37KE especially suited to mains and supply pipes. Coupling is achieved in the same way as with all series couplings – simply by pushing the plug into the coupling. When uncoupling, the first lock is released by pulling the sleeve forward in the direction of the plug. This allows the compressed air to escape from the plug. The second locking system is released by pushing the sleeve back – it is only now, that the plug can be taken out safely.

Chart



Advantages

The system fulfils the requirements of ISO 4414.

- increased safety standards in the work place
- the plastic sleeve does not scratch working surfaces

Caution

Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original Rectus plugs made of steel.

Material

Coupling

Back Body
Valve Body
Sleeve
Valve
Spring
Locking Balls
Seals
Pins

Plug

Working Pressure

PB = 12 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature

-20°C up to +60°C (NBR) depending on the medium.

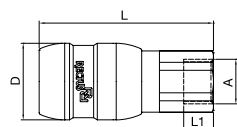
Standard

Brass, Nickel Plated
Brass, Nickel Plated
Thermoplastic
Brass
AISI 301
AISI 420
NBR
AISI 420

Steel Zinc Plated, Thick Layer
Passivation, Yellow Colored

Couplings

RECTUS Series 37KE

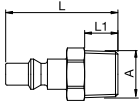
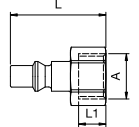


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
G1/2	30	93	43	14					Standard	37KE IW21 MPNS_01
G 3/4	32	95	43	16					Standard	37KE IW26 MPNS_01

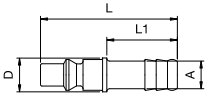
Plugs

RECTUS Series 37KE

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number	
 Male Thread	R 3/8	17	53		12					Standard	37SF AK17 SXG	
	R 1/2	22	60		17					Standard	37SF AK21 SXG	
	R 3/4	27	61		19					Standard	37SF AK26 SXG	
 Female Thread	G 3/8	19	47		8					Standard	37SF IW17 SXG	
	G 1/2	24	50		10					Standard	37SF IW21 SXG	
	G 3/4	32	57		14					Standard	37SF IW26 SXG	

Plugs

RECTUS Series 37KE

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number	
 Hose Barb	10 mm		62	17	25					Standard	37SF TF10 SXG	
	13 mm		62	17	25					Standard	37SF TF13 SXG	
	19 mm		72	21	35					Standard	37SF TF19 SXG	



Breathing Air

Nominal Diameter

7,4 = 43 mm²

RECTUS Series

95KS

90% of actual size

**Technical Description**

The 95KS coupling system has a safety lock. To disconnect, the plug must first be pushed further into the coupling before it can be unlocked. This prevents unintentional disconnection.

Dust Caps (P. 331)

for coupling Part.-No. SK23S

**Advantages**

Disconnecting the safety coupling is only possible after the plug has first been pushed further into the coupling. Cannot be interconnected with the 96KS series. Single handed operation with a multitude of connecting possibilities. High flow rates due to the UltraFlo valve. Tested according EN 139 standard.

Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

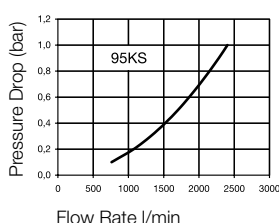
Working Temperature*

-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

*At a temperature below -20°C and above +100°C special seals are available on request.

Chart

Air

**Material****Coupling**

Back Body
Valve Body
Sleeve
Valve

Spring and Locking
Ring
Locking Balls
Seals
Distance Sleeve
Spring Plate

Standard

Brass, Nickel Plated
Brass, Nickel Plated
Brass, Nickel Plated
Zinc Diecasting,
Nickel Plated
AISI 301
AISI 420
NBR
Brass
Brass

AISI 303 / Brass

Brass, Nickel Plated
AISI 303
Brass, Nickel Plated
Zinc Diecasting,
Nickel Plated
AISI 301
AISI 420
NBR
AISI 303
Brass

Plug

Plug

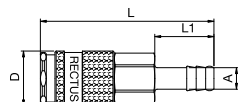
Brass, Nickel Plated

Couplings**RECTUS Series 95KS**

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
 Male Thread	R 1/4	19	61	23	12					Standard	95KS AK13 BPN
										AISI 303/Brass	95KS AK13 RPN
	R 3/8	19	60	23	12					Standard	95KS AK17 BPN
										AISI 303/Brass	95KS AK17 RPN
 Female Thread	R 1/2	22	61	23	17					Standard	95KS AK21 BPN
										AISI 303/Brass	95KS AK21 RPN
	G 1/4	19	56	23	10					Standard	95KS IW13 BPN
										AISI 303/Brass	95KS IW13 RPN
	G 3/8	19	55	23	9					Standard	95KS IW17 BPN
										AISI 303/Brass	95KS IW17 RPN
	G 1/2	24	58	23	12					Standard	95KS IW21 BPN
										AISI 303/Brass	95KS IW21 RPN

Couplings

RECTUS Series 95KS

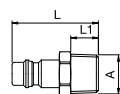


Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
6 mm	19	74	23	25					Standard	95KS TF06 BPN
									AISI 303/Brass	95KS TF06 RPN
7 mm	20	77	23	22					Standard	95KS TF07 BPN
									AISI 303/Brass	95KS TF07 RPN
8 mm	19	74	23	25					Standard	95KS TF08 BPN
									AISI 303/Brass	95KS TF08 RPN
9 mm	19	74	23	25					Standard	95KS TF09 BPN
									AISI 303/Brass	95KS TF09 RPN
10 mm	19	74	23	25					Standard	95KS TF10 BPN
									AISI 303/Brass	95KS TF10 RPN
13 mm	19	74	23	25					Standard	95KS TF13 BPN
									AISI 303/Brass	95KS TF13 RPN

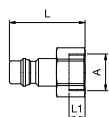
Plugs

RECTUS Series 95KS



Male Thread

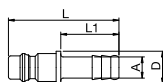
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
R 1/4	14	38,5		12					Standard	95SS AK13 MXN
R 3/8	17	38,5		12					Standard	95SS AK17 MXN
G 1/4	17	33		9					Standard	95SS IW13 MXN
G 3/8	19	33		9					Standard	95SS IW17 MXN



Female Thread

Plugs

RECTUS Series 95KS



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
6 mm		47,5	14	25					Standard	95SS TF06 MXN
9 mm		47,5	14	25					Standard	95SS TF09 MXN
10 mm		47,5	14	25					Standard	95SS TF10 MXN



Breathing Air

Nominal Diameter

7,4 = 43 mm²

RECTUS Series

96KS


90% of actual size

**Technical Description**

The 96KS coupling system has a safety lock. To disconnect, the plug must first be pushed further into the coupling before it can be unlocked. This prevents unintentional disconnection.

Dust Caps (P. 331)

for coupling Part.-No. SK23S
for plug Part.-No. SK12S

**Advantages**

Disconnecting the safety coupling is only possible after the plug has first been pushed further into the coupling. Single handed operation with a multitude of connecting possibilities. High flow rates due to the UltraFlo valve. Tested according EN 139 standard.

Working Temperature*

-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

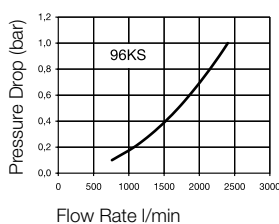
*At a temperature below -20°C and above +100°C special seals are available on request.

Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Chart

Air

**Material****Coupling**

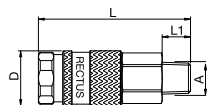
Standard	AISI 303
Back Body	AISI 303
Valve Body	AISI 303
Sleeve	AISI 303
Valve	AISI 303
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NB
Distance Sleeve	Brass
Spring Plate	Brass

Plug

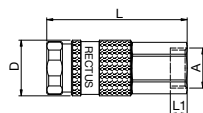
Standard	AISI 303
Plug	Brass, Nickel Plated

Couplings

RECTUS Series 96KS



Male Thread

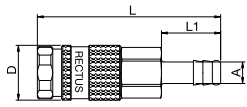


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
R 1/4	19	65	23	12					Standard	96KS AK13 BPN
R 3/8	19	64	23	12					Standard	96KS AK17 BPN
G 3/8	19	62	23	9					AISI 303	96KS AW17 RVX
R 1/2	22	66	23	17					Standard	96KS AK21 BPN
G 1/4	19	60	23	10					Standard	96KS IW13 BPN
G 3/8	19	59	23	9					Standard	96KS IW17 BPN

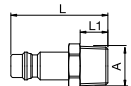
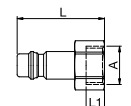
Couplings

RECTUS Series 96KS

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number	
 <p>Hose Barb</p>	6 mm	19	78	23	25					Standard	96KS TF06 BPN	
	7 mm	20	77	23	22					Standard	96KS TF07 BPN	
	9 mm	19	78	23	25					Standard	96KS TF09 BPN	
	10 mm	19	78	23	25					Standard	96KS TF10 BPN	
	13 mm	19	78	23	25					Standard	96KS TF13 BPN	

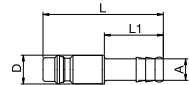
Plugs

RECTUS Series 96KS

	Connection A	Hex mm	L mm	D mm	L1 mm	L2 mm	Hex1 mm	B mm	G mm	Version	Part Number	
 <p>Male Thread</p>	R 1/4	14	42		12					Standard	96SS AK13 MXN	
	R 3/8	17	42		12					Standard	96SS AK17 MXN	
	G 3/8	19	38		9					AISI 303	96SS AW17 RXN	
 <p>Female Thread</p>	G 1/4	17	38		10					Standard	96SS IW13 MXN	
	G 3/8	19	38		10					Standard	96SS IW17 MXN	

Plugs

RECTUS Series 96KS

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number	
 <p>Hose Barb</p>	6 mm		51	12	25					Standard	96SS TF06 MXN	
	9 mm		51	12	25					Standard	96SS TF09 MXN	
	13 mm		53	12	25					Standard	96SS TF13 MXN	