



Self-Venting System

Nominal Diameter

**5.5** = 25 mm<sup>2</sup>

RECTUS Series

**14KE**



90% of actual size



**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.

**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.

**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.

**Material**

**Coupling**

Back Body  
 Valve Body  
 Sleeve  
 Valve  
 Spring  
 Locking Balls  
 Seals  
 Pins

**Standard**

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

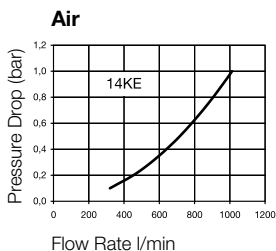
**Plug**

Steel Hardened, Nickel Plated

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

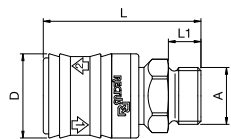
► Brass/Steel Single Shut-off P. 44

**Chart**

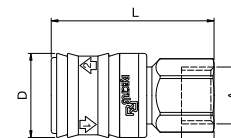


**Couplings**

**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	DS
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		31	9					Standard	14KE IW13 MPN	■
G 3/8	22		31	9					Standard	14KE IW17 MPN	■□
G 1/2	24		31	12					Standard	14KE IW21 MPN	■

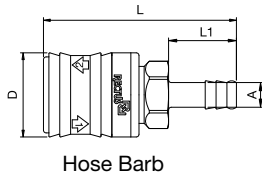
DS = Delivery Status: ■ in stock

■□ on short call

□ medium term delivery

# Couplings

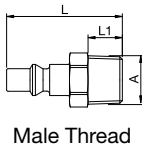
# RECTUS Series 14KE



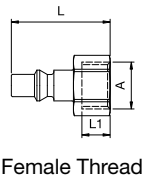
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number	DS
6 mm	22		31	25					Standard	14KE TF06 MPN	■
8 mm	22		31	25					Standard	14KE TF08 MPN	■
9 mm	22		31	25					Standard	14KE TF09 MPN	■
10 mm	22		31	25					Standard	14KE TF10 MPN	■
13 mm	22		31	25					Standard	14KE TF13 MPN	■

# Plugs

# RECTUS Series 22SF



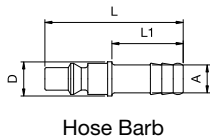
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number	DS
R 1/8	12	35		9					Standard	22SF AK10 SXN	■
R 1/4	14	41		12					Standard	22SF AK13 SXN	■
R 3/8	17	41		12					Standard	22SF AK17 SXN	■
R 1/2	22	46		17					Standard	22SF AK21 SXN	■



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	DS
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 mm<sup>2</sup>

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 fulfills 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

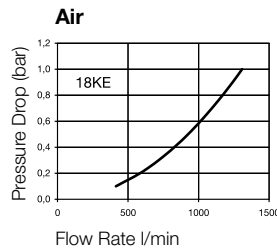
### Standard

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

### Plug

Steel Hardened, Nickel Plated

### Chart



## 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	DS
<p>Male Thread</p>	R 1/4	24	67	30	12					Standard	18KE AK13 SPN	■ □
	R 3/8	24	67	30	12					Standard	18KE AK17 SPN	■ □
	R 1/2	24	72	30	17					Standard	18KE AK21 SPN	■
<p>Female Thread</p>	G 1/4	24	63	30	10					Standard	18KE IW13 SPN	■ □
	G 3/8	24	60	30	9					Standard	18KE IW17 SPN	■ □
	G 1/2	24	65	30	12					Standard	18KE IW21 SPN	■ □

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