



Nominal Diameter

7,8 = 48 mm<sup>2</sup>

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.

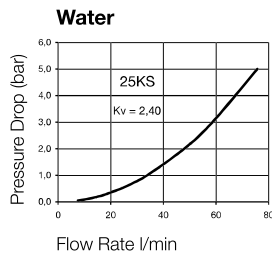
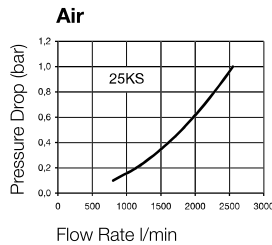
**Working Temperature\***

-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**

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

**Standard**

Brass  
Steel, Nickel Pl.  
Steel Hardened,  
Nickel Plated

**Brass**

Brass  
Brass

**Brass, Nickel Pl.**

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

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

**Standard**

Brass  
AISI 301  
AISI 420  
NBR  
Brass  
Brass

**Brass**

Brass  
AISI 301  
AISI 420  
NBR  
Brass  
Brass

**Brass**

Brass  
AISI 301  
AISI 420  
NBR  
Brass  
Brass

**Plug**

Plug

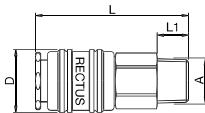
Steel Hardened,  
Zinc-Plated

**Brass**

Brass

**Brass, Nickel Pl.**

Brass, Nickel Pl.

**Couplings****RECTUS Series 25KS**

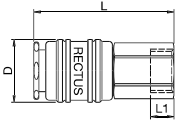
Male Thread

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

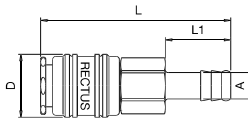
# Couplings

# RECTUS Series 25KS

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



Female Thread

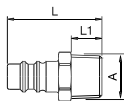


Hose Barb

# Plugs

# RECTUS Series 25KS

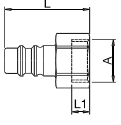
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/8	13	33		9					Standard	25SS AK10 SXZ
R 1/4	14	37		12					Standard	25SS AK13 SXZ
G 1/4	17	33		9					Brass	26SS AW13 MXX
G 1/4	17	33		9					Brass, Nickel Pl.	26SS AW13 MXN
R 3/8	17	37		12					Standard	25SS AK17 SXZ
R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



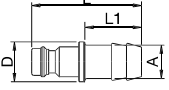
Male Thread

⚠ Please consider our security advices on the pages 12/13 ⚠

**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