

Nominal Diameter

**7,4** = 42 mm<sup>2</sup>


Rectus Series

**25**

**Other designs in series 25**

The following other designs can be found from page:

- Brass / Steel P. 70
- Safety P. 214
- Safety Self-Venting P. 230
- Coded Systems P. 236

**Interchangeability (KA only)**

- Rectus 26
- Cejn 320
- various German Products

Universal industrial coupling with standard European profile for use with gaseous, liquid and aggressive media.

Coupling system with single-hand operation. High Flow valve for optimum flow and low pressure drop. The series stands out for its robust design and long service life even with the harshest use. The collar design minimises damage to the valve body.

Series 25 with additional end connections available on request.

**Dust Protections** (P. 250)  
for Coupling Part.-No. SK23S  
for Plug Part.-No. SK12S

**Working Temperature\***  
-15°C up to +200°C (FKM)  
depending on the medium.

\* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.


**Working Pressure\*\***

35 bar  
\*\* maximum static working pressure with design factor 4 to 1.

35 bar

8 bar

**Features**

- Minimal, almost imperceptible leakage when uncoupling
- No air locked into the system during the coupling process

**Material**

**Coupling:** AISI 303 / AISI 316 L  
**Plug:** AISI 303 / AISI 316 L  
**Seals:** FKM

**Coupling:** AISI 303 / AISI 316 L  
**Plug:** AISI 303 / AISI 316 L  
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**Coupling:** AISI 303 / AISI 316 L  
**Plug:** AISI 303 / AISI 316 L  
**Seals:** FKM

**Technical Description**

**Connecting Force 0 bar:** 40 N  
**Connecting Force 6 bar:** 120 N

**Dead space volume:** 1,5 ml

**Dead space volume:** 0,001 ml

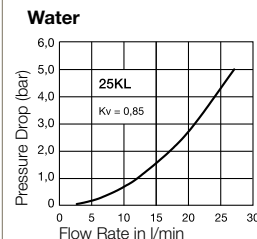
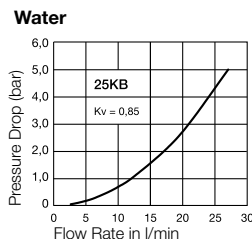
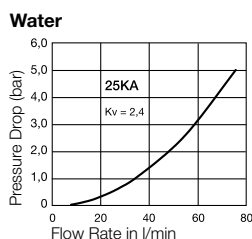
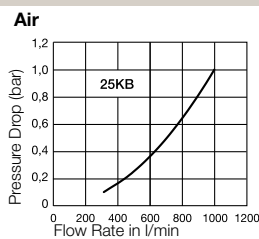
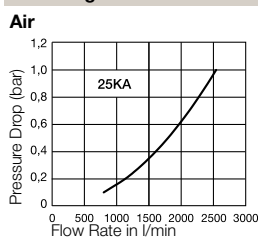
**Vacuum Coupling:** 96%  
Available on request with O-ring seal for vacuum when coupled.

**Connecting Force 0 bar:** 40 N  
**Connecting Force 6 bar:** 120 N

**Vacuum Coupling:** 96%  
**Vacuum Plug:** 96%  
Available on request with O-ring seal for vacuum when coupled.

**Connecting Force 0 bar:** 40 N  
**Connecting Force 6 bar:** 120 N

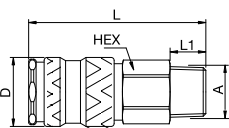
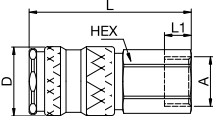
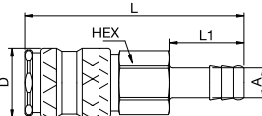
**Vacuum Coupling:** 96%  
**Vacuum Plug:** 96%  
**Vacuum connected:** 96%

**Flow diagrams**




## Couplings – with valve

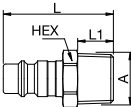
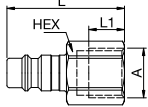
## Series 25KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 Male Thread	G 1/4	19	59,5	10,5	23	AISI 303	25KAAW13RVX
	G 1/4	19	59,5	10,5	23	AISI 316 L	25KAAW13EVX
	G 3/8	19	57,5	9	23	AISI 303	25KAAW17RVX
	G 3/8	19	57,5	9	23	AISI 316 L	25KAAW17EVX
	G 1/2	24	60,5	12	23	AISI 303	25KAAW21RVX
	G 1/2	24	60,5	12	23	AISI 316 L	25KAAW21EVX
 Female Thread	G 1/4	19	55,5	10	23	AISI 303	25KAIW13RVX
	G 1/4	19	55,5	10	23	AISI 316 L	25KAIW13EVX
	G 3/8	19	54,5	9	23	AISI 303	25KAIW17RVX
	G 3/8	19	54,5	9	23	AISI 316 L	25KAIW17EVX
	G 1/2	24	57,5	12	23	AISI 303	25KAIW21RVX
	G 1/2	24	57,5	12	23	AISI 316 L	25KAIW21EVX
 Hose Barb	6 mm	19	73,5	25	23	AISI 316 L	25KATF06EVX
	8 mm	19	73,5	25	23	AISI 316 L	25KATF08EVX
	9 mm	19	73,5	25	23	AISI 316 L	25KATF09EVX
	10 mm	19	73,5	25	23	AISI 303	25KATF10RVX
	13 mm	19	73,5	25	23	AISI 303	25KATF13RVX



## Plugs – without valve

## Series 25KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 Male Thread	G 1/8	14	31	7		AISI 303	25SFAW10RXX
	G 1/4	17	33	9		AISI 303	25SFAW13RXX
	G 1/4	17	33	9		AISI 316 L	25SFAW13EXX
	G 3/8	19	33	9		AISI 303	25SFAW17RXX
	G 3/8	19	33	9		AISI 316 L	25SFAW17EXX
	G 1/2	24	38	12		AISI 303	25SFAW21RXX
	G 1/2	24	38	12		AISI 316 L	25SFAW21EXX
 Female Thread	G 1/8	14	30	7		AISI 303	25SFIW10RXX
	G 1/4	17	33	10		AISI 303	25SFIW13RXX
	G 1/4	17	33	10		AISI 316 L	25SFIW13EXX
	G 3/8	19	33	10		AISI 303	25SFIW17RXX
	G 3/8	19	33	10		AISI 316 L	25SFIW17EXX
	G 1/2	24	35	12		AISI 303	25SFIW21RXX
	G 1/2	24	35	12		AISI 316 L	25SFIW21EXX

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

Stainless Steel

Low Pressure


**Plugs – without valve**
**Series 25KA**

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
<p>Hose Barb</p>	6 mm		48	25	12	AISI 303	25SFTF06RXX
	6 mm		48	25	12	AISI 316 L	25SFTF06EXX
	8 mm		48	25	12	AISI 303	25SFTF08RXX
	8 mm		48	25	12	AISI 316 L	25SFTF08EXX
	9 mm		48	25	12	AISI 303	25SFTF09RXX
	9 mm		48	25	12	AISI 316 L	25SFTF09EXX
	10 mm		48	25	12	AISI 303	25SFTF10RXX
	10 mm		48	25	12	AISI 316 L	25SFTF10EXX
	13 mm		48	25	15	AISI 303	25SFTF13RXX
	13 mm		48	25	15	AISI 316 L	25SFTF13EXX


**Couplings – with valve**
**Series 25KB**

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
<p>Male Thread</p>	G 1/4	19	59,5	10,5	23	AISI 303	25KBAW13RVX
	G 1/4	19	59,5	10,5	23	AISI 316 L	25KBAW13EVX
	G 3/8	19	57,5	9	23	AISI 303	25KBAW17RVX
	G 3/8	19	57,5	9	23	AISI 316 L	25KBAW17EVX
	G 1/2	24	60,5	12	23	AISI 303	25KBAW21RVX
	G 1/2	24	60,5	12	23	AISI 316 L	25KBAW21EVX
<p>Female Thread</p>	G 1/4	19	55,5	10	23	AISI 303	25KBIW13RVX
	G 1/4	19	55,5	10	23	AISI 316 L	25KBIW13EVX
	G 3/8	19	54,5	9	23	AISI 303	25KBIW17RVX
	G 3/8	19	54,5	9	23	AISI 316 L	25KBIW17EVX
	G 1/2	24	57,5	12	23	AISI 316 L	25KBIW21EVX
<p>Hose Barb</p>	6 mm	19	73,5	25	23	AISI 316 L	25KBTF06EVX
	8 mm	19	73,5	25	23	AISI 316 L	25KBTF08EVX
	9 mm	19	73,5	25	23	AISI 316 L	25KBTF09EVX



# Plugs – with valve

## Series 25KB

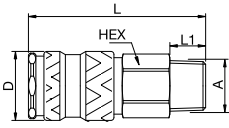
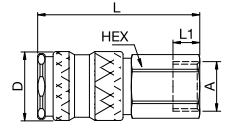
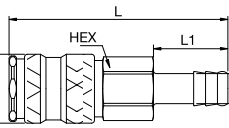
	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
<p>Male Thread</p>	G 1/4	19	58	10,5		AISI 303	25SBAW13RVX
	G 1/4	19	58	10,5		AISI 316 L	25SBAW13EVX
	G 3/8	19	56	9		AISI 303	25SBAW17RVX
	G 3/8	19	56	9		AISI 316 L	25SBAW17EVX
	G 1/2	24	59	12		AISI 303	25SBAW21RVX
	G 1/2	24	59	12		AISI 316 L	25SBAW21EVX
<p>Female Thread</p>	G 1/4	19	54	10		AISI 303	25SBIW13RVX
	G 1/4	19	54	10		AISI 316 L	25SBIW13EVX
	G 3/8	19	53	9		AISI 303	25SBIW17RVX
	G 3/8	19	53	9		AISI 316 L	25SBIW17EVX
	G 1/2	24	56	12		AISI 316 L	25SBIW21EVX
<p>Hose Barb</p>	6 mm	19	72	25		AISI 316 L	25SBTF06EVX
	8 mm	19	72	25		AISI 316 L	25SBTF08EVX
	9 mm	19	72	25		AISI 316 L	25SBTF09EVX

Stainless Steel

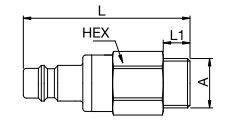
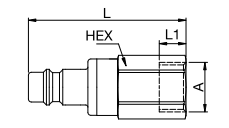
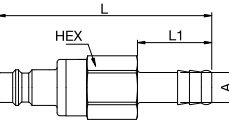
Low Pressure

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

**Couplings – flat sealing** **Series 25KL**

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	G 1/4	19	59,5	10,5	23	AISI 303	25KLAW13RVX
	G 1/4	19	59,5	10,5	23	AISI 316 L	25KLAW13EVX
	G 3/8	19	57,5	9	23	AISI 303	25KLAW17RVX
	G 3/8	19	57,5	9	23	AISI 316 L	25KLAW17EVX
	G 1/2	24	60,5	12	23	AISI 303	25KLAW21RVX
	G 1/2	24	60,5	12	23	AISI 316 L	25KLAW21EVX
 <p>Female Thread</p>	G 1/4	19	55,5	10	23	AISI 303	25KLIW13RVX
	G 1/4	19	55,5	10	23	AISI 316 L	25KLIW13EVX
	G 3/8	19	54,5	9	23	AISI 303	25KLIW17RVX
	G 3/8	19	54,5	9	23	AISI 316 L	25KLIW17EVX
	G 1/2	24	57,5	12	23	AISI 303	25KLIW21RVX
	G 1/2	24	57,5	12	23	AISI 316 L	25KLIW21EVX
 <p>Hose Barb</p>	9 mm	19	73,5	25	23	AISI 303	25KLTF09RVX
	9 mm	19	73,5	25	23	AISI 316 L	25KLTF09EVX

**Plugs – flat sealing** **Series 25KL**

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	G 1/4	19	58	10,5		AISI 303	25SLAW13RVX
	G 1/4	19	58	10,5		AISI 316 L	25SLAW13EVX
	G 3/8	19	56	9		AISI 303	25SLAW17RVX
	G 3/8	19	56	9		AISI 316 L	25SLAW17EVX
	G 1/2	24	59	12		AISI 303	25SLAW21RVX
	G 1/2	24	59	12		AISI 316 L	25SLAW21EVX
 <p>Female Thread</p>	G 1/4	19	54	10		AISI 303	25SLIW13RVX
	G 1/4	19	54	10		AISI 316 L	25SLIW13EVX
	G 3/8	19	53	9		AISI 303	25SLIW17RVX
	G 3/8	19	53	9		AISI 316 L	25SLIW17EVX
	G 1/2	24	56	12		AISI 303	25SLIW21RVX
	G 1/2	24	56	12		AISI 316 L	25SLIW21EVX
 <p>Hose Barb</p>	6 mm	19	75	25		AISI 303	25SLTF06RVX
	9 mm	19	72	25		AISI 303	25SLTF09RVX
	9 mm	19	72	25		AISI 316 L	25SLTF09EVX