Nominal Diameter

7,4 = 42 mm²

Rectus Series

25



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.

Other designs in series 25
The following other designs can be found from page:

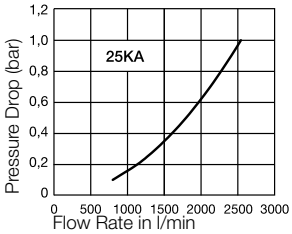
➤ Brass / Steel P. 70
➤ Safety P. 214
➤ Safety Self-Venting P. 230
➤ Coded Systems P. 236

Interchangeability (KA only)
- Rectus 26
- Cejn 320
- various German Products

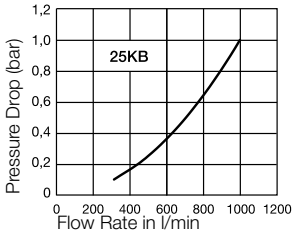
	KA Single Shut-Off	KB Double Shut-Off	KL Dry-break
Working Pressure**	35 bar ** maximum static working pressure with design factor 4 to 1.	35 bar	8 bar
Features			• Minimal, almost imperceptible leakage when uncoupling • No air locked into the system during the coupling process
Material	**Coupling:** 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 **Seals:** FKM	**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 **Vacuum Coupling:** 96% Available on request with O-ring seal for vacuum when coupled.	**Dead space volume:** 1,5 ml **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.	**Dead space volume:** 0,001 ml **Connecting Force 0 bar:** 40 N **Connecting Force 6 bar:** 120 N **Vacuum Coupling:** 96% **Vacuum Plug:** 96% **Vacuum connected:** 96%

Flow diagrams

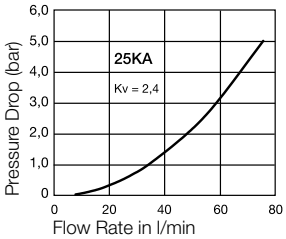
Air



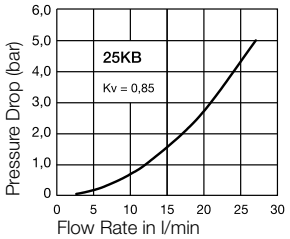
Air



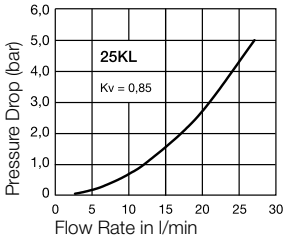
Water



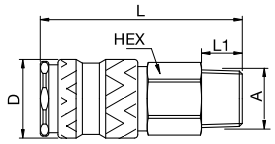
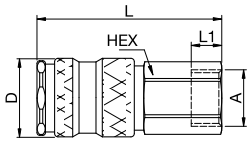
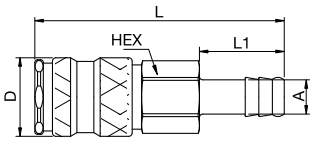
Water



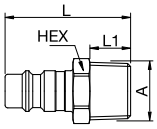
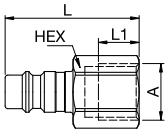
Water



Couplings – with valve — Series 25KA

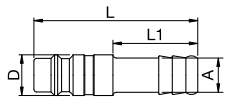
	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 Male Thread	G 1/4	19	59,5	10,5	23	AISI 303	25KAAW13RVX
	G 1/4	19	59,5	10,5	23	AISI 316 L	25KAAW13EVX
	G 3/8	19	57,5	9	23	AISI 303	25KAAW17RVX
	G 3/8	19	57,5	9	23	AISI 316 L	25KAAW17EVX
	G 1/2	24	60,5	12	23	AISI 303	25KAAW21RVX
	G 1/2	24	60,5	12	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

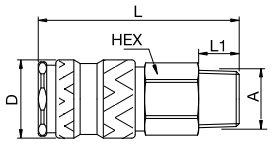
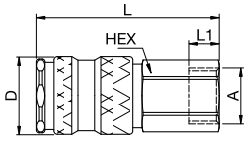
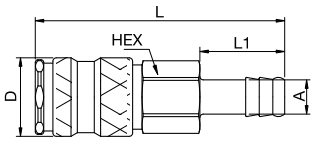
	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 Male Thread	G 1/8	14	31	7		AISI 303	25SFAW10RXX
	G 1/4	17	33	9		AISI 303	25SFAW13RXX
	G 1/4	17	33	9		AISI 316 L	25SFAW13EXX
	G 3/8	19	33	9		AISI 303	25SFAW17RXX
	G 3/8	19	33	9		AISI 316 L	25SFAW17EXX
	G 1/2	24	38	12		AISI 303	25SFAW21RXX
	G 1/2	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 ⚠

Plugs – without valve — Series 25KA

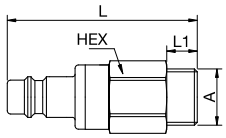
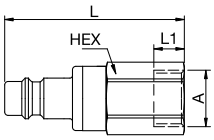
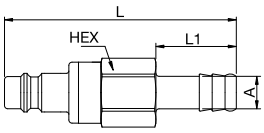
	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 Hose Barb	6 mm		48	25	12	AISI 303	25SFTF06RXX
	6 mm		48	25	12	AISI 316 L	25SFTF06EXX
	8 mm		48	25	12	AISI 303	25SFTF08RXX
	8 mm		48	25	12	AISI 316 L	25SFTF08EXX
	9 mm		48	25	12	AISI 303	25SFTF09RXX
	9 mm		48	25	12	AISI 316 L	25SFTF09EXX
	10 mm		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
 Male Thread	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
 Female Thread	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
 Hose Barb	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

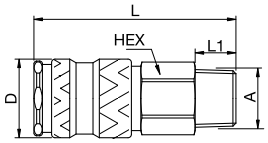
Plugs – with valve

Series 25KB

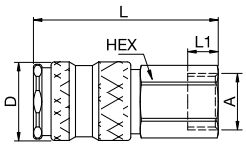
	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 Male Thread	G 1/4	19	58	10,5		AISI 303	25SBAW13RVX
	G 1/4	19	58	10,5		AISI 316 L	25SBAW13EVX
	G 3/8	19	56	9		AISI 303	25SBAW17RVX
	G 3/8	19	56	9		AISI 316 L	25SBAW17EVX
	G 1/2	24	59	12		AISI 303	25SBAW21RVX
	G 1/2	24	59	12		AISI 316 L	25SBAW21EVX
 Female Thread	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
 Hose Barb	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

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

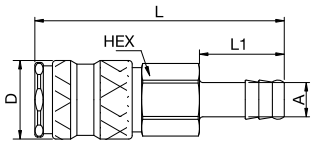
Couplings – flat sealing — Series 25KL



Male Thread



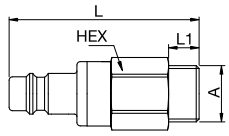
Female Thread



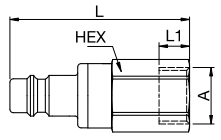
Hose Barb

Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
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
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
9 mm	19	73,5	25	23	AISI 303	25KLTF09RVX
9 mm	19	73,5	25	23	AISI 316 L	25KLTF09EVX

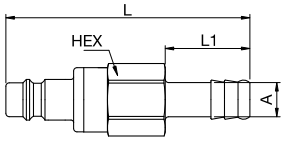
Plugs – flat sealing — Series 25KL



Male Thread



Female Thread



Hose Barb

Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
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
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
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