Nominal Diameter

5 = 20 mm²

Rectus Series

21



Mini industrial coupling with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media.
Coupling system with single-hand operation. Small dimensions and large band width in materials and valve variants.

Series 21 with additional end connections available on request.

Dust Protections **(P. 250)**
for Coupling Part.-No. SK16S

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

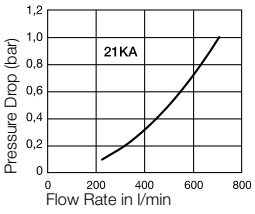
* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

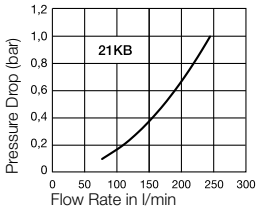
Other designs in series 21
The following other designs can be found from page:

➤ Brass / Steel P. 26
➤ Thermoplastic P. 176
➤ Safety P. 210
➤ Coded Systems P. 234

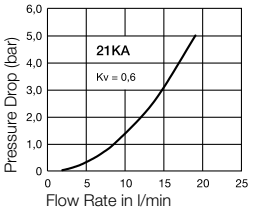
Interchangeability (KA only)
- Camozzi
- EWO
- Kani

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		
• All variants interchangeable		• 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: 35 N **Connecting Force 6 bar:** 60 N **Vacuum Coupling:** 96% **Vacuum connected:** 96%	**Dead space volume:** 0,6 ml **Connecting Force 0 bar:** 40 N **Connecting Force 6 bar:** 80 N **Vacuum Coupling:** 96% **Vacuum Plug:** 96% **Vacuum connected:** 96%	**Dead space volume:** 0,0006 ml **Connecting Force 0 bar:** 35 N **Connecting Force 6 bar:** 60 N **Vacuum Coupling:** 96% **Vacuum Plug:** 96% **Vacuum connected:** 96%
Flow diagrams		
Air	**Air**	

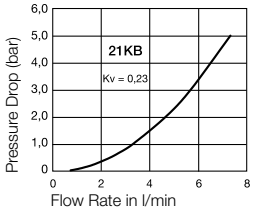




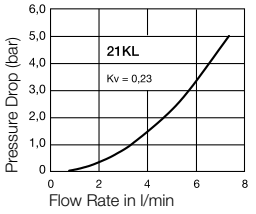
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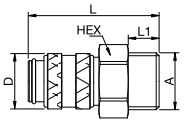
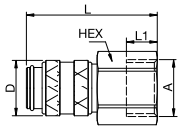
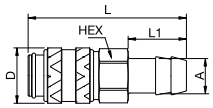
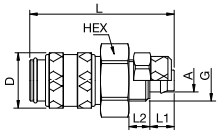
Water



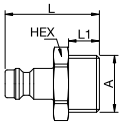
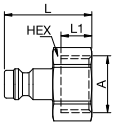
Water



Couplings – with valve — Series 21KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/8	14		36	7		16			AISI 303	21KAAW10RVX
	G 1/8	14		36	7		16			AISI 316 L	21KAAW10EVX
	G 1/4	17		38	9		16			AISI 303	21KAAW13RVX
	G 1/4	17		38	9		16			AISI 316 L	21KAAW13EVX
	G 3/8	19		38	9		16			AISI 303	21KAAW17RVX
	G 3/8	19		38	9		16			AISI 316 L	21KAAW17EVX
 Female Thread	G 1/8	14		36	9		16			AISI 303	21KAIW10RVX
	G 1/8	14		36	9		16			AISI 316 L	21KAIW10EVX
	G 1/4	17		38	9		16			AISI 303	21KAIW13RVX
	G 1/4	17		38	9		16			AISI 316 L	21KAIW13EVX
 Hose Barb	6 mm	14		46	17		16			AISI 303	21KATF06RVX
	6 mm	14		46	17		16			AISI 316 L	21KATF06EVX
	8 mm	14		46	17		16			AISI 303	21KATF08RVX
	9 mm	14		46	17		16			AISI 303	21KATF09RVX
	10 mm	14		46	17		16			AISI 316 L	21KATF10EVX
 with Plastic Hose Connection	4 x 6 mm	14		42	7	6	16		M 10 x 1	AISI 303	21KAKO06RVX
	4 x 6 mm	14		42	7	6	16		M 10 x 1	AISI 316 L	21KAKO06EVX
	6 x 8 mm	14		42	7	6	16		M 12 x 1	AISI 303	21KAKO08RVX

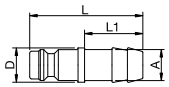
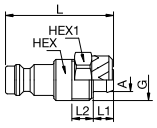
Plugs – without valve — Series 21KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/8	14		25	7					AISI 303	21SFAW10RXX
	G 1/8	14		25	7					AISI 316 L	21SFAW10EXX
	G 1/4	17		28	9					AISI 303	21SFAW13RXX
	G 1/4	17		28	9					AISI 316 L	21SFAW13EXX
	G 3/8	19		28	9					AISI 303	21SFAW17RXX
 Female Thread	G 1/8	14		25	8					AISI 303	21SFIW10RXX
	G 1/8	14		25	8					AISI 316 L	21SFIW10EXX
	G 1/4	17		25	9					AISI 303	21SFIW13RXX
	G 1/4	17		25	9					AISI 316 L	21SFIW13EXX
	G 3/8	19		26	9					AISI 303	21SFIW17RXX

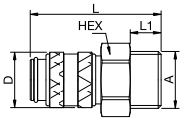
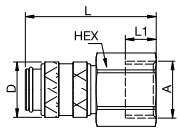
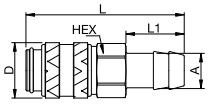
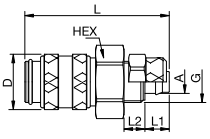
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Plugs – without valve — Series 21KA

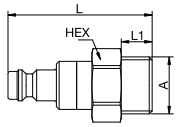
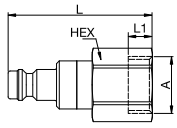
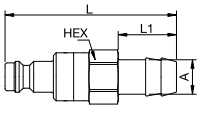
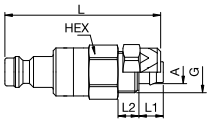
	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Hose Barb	6 mm			32	17		9			AISI 303	21SFTF06RXX
	6 mm			32	17		9			AISI 316 L	21SFTF06EXX
	8 mm			32	17		9			AISI 303	21SFTF08RXX
	8 mm			32	17		9			AISI 316 L	21SFTF08EXX
	10 mm			33	17		12			AISI 303	21SFTF10RXX
	10 mm			33	17		12			AISI 316 L	21SFTF10EXX
 with Plastic Hose Connection	4 x 6 mm	12	12	32	7	6			M 10 x 1	AISI 303	21SFKO06RXX
	4 x 6 mm	12	12	32	7	6			M 10 x 1	AISI 316 L	21SFKO06EXX
	6 x 8 mm	14	14	32	7	6			M 12 x 1	AISI 303	21SFKO08RXX
	6 x 8 mm	14	14	32	7	6			M 12 x 1	AISI 316 L	21SFKO08EXX

Couplings – with valve — Series 21KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/8	14		36	7		16			AISI 303	21KBAW10RVX
	G 1/8	14		36	7		16			AISI 316 L	21KBAW10EVX
	G 1/4	17		38	9		16			AISI 303	21KBAW13RVX
	G 1/4	17		38	9		16			AISI 316 L	21KBAW13EVX
	G 3/8	19		38	9		16			AISI 303	21KBAW17RVX
	G 3/8	19		38	9		16			AISI 316 L	21KBAW17EVX
 Female Thread	G 1/8	14		36	9		16			AISI 303	21KBIW10RVX
	G 1/8	14		36	9		16			AISI 316 L	21KBIW10EVX
	G 1/4	17		38	7		16			AISI 303	21KBIW13RVX
	G 1/4	17		38	7		16			AISI 316 L	21KBIW13EVX
 Hose Barb	6 mm	14		46	17		16			AISI 303	21KBTF06RVX
	6 mm	14		46	17		16			AISI 316 L	21KBTF06EVX
	8 mm	14		46	17		16			AISI 303	21KBTF08RVX
	9 mm	14		46	17		16			AISI 303	21KBTF09RVX
	10 mm	14		46	17		16			AISI 316 L	21KBTF10EVX
 with Plastic Hose Connection	4 x 6 mm	14		42	7	6	16		M 10 x 1	AISI 303	21KBKO06RVX
	4 x 6 mm	14		42	7	6	16		M 10 x 1	AISI 316 L	21KBKO06EVX
	6 x 8 mm	14		42	7	6	16		M 12 x 1	AISI 303	21KBKO08RVX

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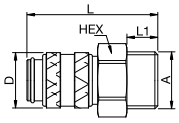
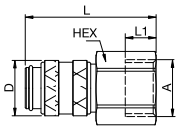
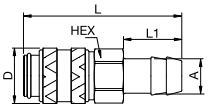
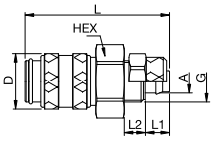
Plugs – with valve — Series 21KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/8	14		40	7					AISI 303	21SBAW10RVX
	G 1/8	14		40	7					AISI 316 L	21SBAW10EVX
	G 1/4	17		42	9					AISI 303	21SBAW13RVX
	G 1/4	17		42	9					AISI 316 L	21SBAW13EVX
	G 3/8	19		42	9					AISI 303	21SBAW17RVX
	G 3/8	19		42	9					AISI 316 L	21SBAW17EVX
 Female Thread	G 1/8	14		40	9					AISI 303	21SBIW10RVX
	G 1/8	14		40	9					AISI 316 L	21SBIW10EVX
	G 1/4	17		42	7					AISI 303	21SBIW13RVX
	G 1/4	17		42	7					AISI 316 L	21SBIW13EVX
 Hose Barb	6 mm	14		50	17					AISI 303	21SBTF06RVX
	6 mm	14		50	17					AISI 316 L	21SBTF06EVX
	8 mm	14		50	17					AISI 303	21SBTF08RVX
	9 mm	14		50	17					AISI 303	21SBTF09RVX
	10 mm	14		50	17					AISI 316 L	21SBTF10EVX
 with Plastic Hose Connection	4 x 6 mm	14		46	7	6			M 10 x 1	AISI 303	21SBKO06RVX
	4 x 6 mm	14		46	7	6			M 10 x 1	AISI 316 L	21SBKO06EVX
	6 x 8 mm	14		46	7	6			M 12 x 1	AISI 303	21SBKO08RVX

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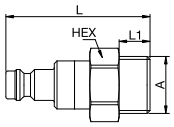
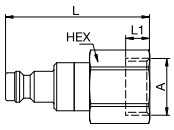
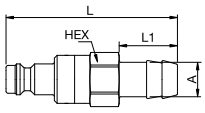
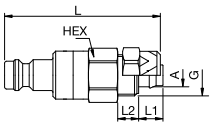
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Couplings – flat sealing — Series 21KL

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/8	14		36	7		16			AISI 303	21KLAW10RVX
	G 1/8	14		36	7		16			AISI 316 L	21KLAW10EVX
	G 1/4	17		38	9		16			AISI 303	21KLAW13RVX
	G 1/4	17		38	9		16			AISI 316 L	21KLAW13EVX
	G 3/8	19		38	9		16			AISI 303	21KLAW17RVX
	G 3/8	19		38	9		16			AISI 316 L	21KLAW17EVX
 Female Thread	G 1/8	14		36	9		16			AISI 303	21KLIW10RVX
	G 1/8	14		36	9		16			AISI 316 L	21KLIW10EVX
	G 1/4	17		38	9		16			AISI 303	21KLIW13RVX
	G 1/4	17		38	9		16			AISI 316 L	21KLIW13EVX
 Hose Barb	6 mm	14		46	17		16			AISI 316 L	21KLTF06EVX
	8 mm	14		46	17		16			AISI 303	21KLTF08RVX
	8 mm	14		46	17		16			AISI 316 L	21KLTF08EVX
	10 mm	14		46	17		16			AISI 316 L	21KLTF10EVX
 with Plastic Hose Connection	4 x 6 mm	14		42	7	6	16		M 10 x 1	AISI 303	21KLKO06RVX
	4 x 6 mm	14		42	7	6	16		M 10 x 1	AISI 316 L	21KLKO06EVX
	6 x 8 mm	14		42	7	6	16		M 12 x 1	AISI 303	21KLKO08RVX
	6 x 8 mm	14		42	7	6	16		M 12 x 1	AISI 316 L	21KLKO08EVX

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Plugs – flat sealing — Series 21KL

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/8	14		40	7					AISI 303	21SLAW10RVX
	G 1/8	14		40	7					AISI 316 L	21SLAW10EVX
	G 1/4	17		42	9					AISI 303	21SLAW13RVX
	G 1/4	17		42	9					AISI 316 L	21SLAW13EVX
	G 3/8	19		42	9					AISI 303	21SLAW17RVX
	G 3/8	19		42	9					AISI 316 L	21SLAW17EVX
 Female Thread	G 1/8	14		40	9					AISI 303	21SLIW10RVX
	G 1/8	14		40	9					AISI 316 L	21SLIW10EVX
 Hose Barb	5 mm	14		50	17					AISI 316 L	21SLTF05EVX
	6 mm	14		50	17					AISI 303	21SLTF06RVX
	6 mm	14		50	17					AISI 316 L	21SLTF06EVX
	10 mm	14		50	17					AISI 303	21SLTF10RVX
	10 mm	14		50	17					AISI 316 L	21SLTF10EVX
 with Plastic Hose Connection	4 x 6 mm	14		46	7	6			M 10 x 1	AISI 303	21SLKO06RVX
	4 x 6 mm	14		46	7	6			M 10 x 1	AISI 316 L	21SLKO06EVX
	6 x 8 mm	14		46	7	6			M 12 x 1	AISI 303	21SLKO08RVX
	6 x 8 mm	14		46	7	6			M 12 x 1	AISI 316 L	21SLKO08EVX

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