

Technical Description

Mini industrial coupling with internationally used profile. Frequent use in medical technology and chemistry/pharmacy. Coupling system with single-hand operation. High flow despite small dimensions plus many applications with a variety of media.

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 20

The following other designs can be found from page:

- Brass / Steel P. 20
- Medical Technology (NP) P. 250



Working Pressure**

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

35 bar

Features

- Low pressure drop

Material

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

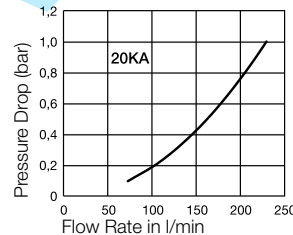
Coupling: AISI 303 / AISI 316 L
Plug: AISI 303 / AISI 316 L
Seals: FKM

Interchangeability

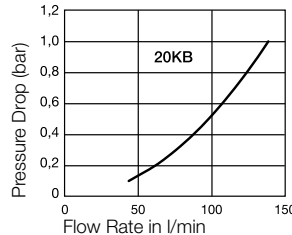
- Walther 06-003

Flow diagrams

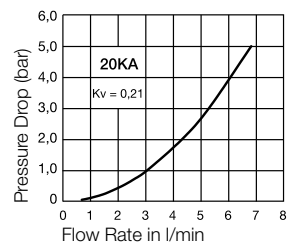
Air



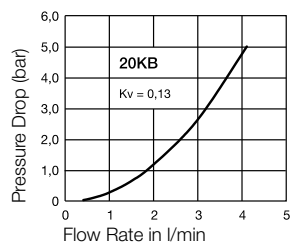
Air



Water



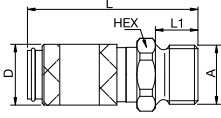
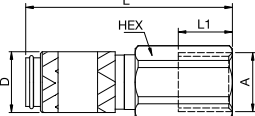
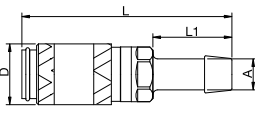
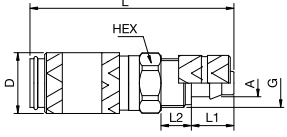
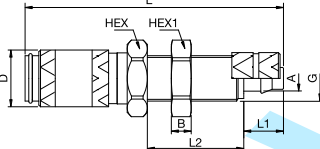
Water



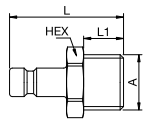
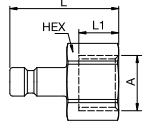
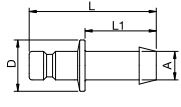
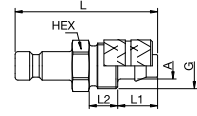
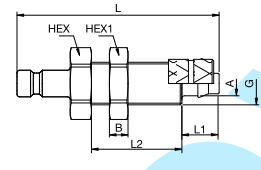


Couplings – with valve

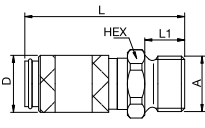
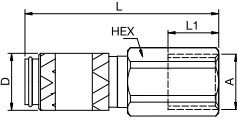
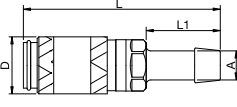
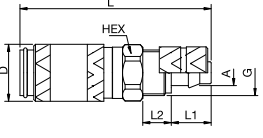
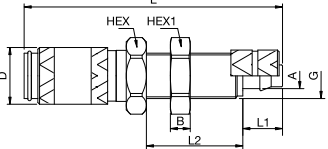
Series 20KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	M 5	9		26	5		10			AISI 303	20KAAM05RVX
	M 5	9		26	5		10			AISI 316 L	20KAAM05EVX
	G 1/8	11		28	7		10			AISI 303	20KAAW10RVX
	G 1/8	11		28	7		10			AISI 316 L	20KAAW10EVX
 <p>Female Thread</p>	M 5	9		25	5		10			AISI 303	20KAIM05RVX
	M 5	9		25	5		10			AISI 316 L	20KAIM05EVX
	G 1/8	12		28	7		10			AISI 303	20KAIW10RVX
	G 1/8	12		28	7		10			AISI 316 L	20KAIW10EVX
 <p>Hose Barb</p>	3 mm			35	13		10			AISI 303	20KATF03RVX
	4 mm			35	13		10			AISI 303	20KATF04RVX
	4 mm			35	13		10			AISI 316 L	20KATF04EVX
	5 mm			35	13		10			AISI 303	20KATF05RVX
 <p>with Plastic Hose Connection</p>	3 x 4 mm	9		34	7	5	10		M 7 x 0,5	AISI 303	20KAKO04RVX
	3 x 4 mm	9		34	7	5	10		M 7 x 0,5	AISI 316 L	20KAKO04EVX
	3 x 5 mm	9		34	7	5	10		M 7 x 0,5	AISI 303	20KAKO05RVX
	3 x 5 mm	9		34	7	5	10		M 7 x 0,5	AISI 316 L	20KAKO05EVX
	4 x 6 mm	9		34	7	5	10		M 8 x 0,5	AISI 303	20KAKO06RVX
	4 x 6 mm	9		34	7	5	10		M 8 x 0,5	AISI 316 L	20KAKO06EVX
 <p>Panel Mount with Plastic Hose Connection</p>	3 x 4 mm	12	11	45	7	17	10	3	M 7 x 0,5	AISI 303	20KAKS04RVX
	3 x 5 mm	12	11	45	7	17	10	3	M 7 x 0,5	AISI 303	20KAKS05RVX
	4 x 6 mm	12	11	45	7	17	10	3	M 8 x 0,5	AISI 303	20KAKS06RVX

Plugs – without valve **Series 20KA**

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	M 5	7		18	5					AISI 303	20SFAM05RXX
	M 5	7		18	5					AISI 316 L	20SFAM05EXX
	G 1/8	11		20	7					AISI 303	20SFAW10RXX
	G 1/8	11		20	7					AISI 316 L	20SFAW10EXX
 <p>Female Thread</p>	M 5	7		17	5					AISI 303	20SFIM05RXX
	M 5	7		17	5					AISI 316 L	20SFIM05EXX
	G 1/8	12		19	7					AISI 303	20SFIW10RXX
	G 1/8	12		19	7					AISI 316 L	20SFIW10EXX
 <p>Hose Barb</p>	3 mm			24	13		7			AISI 303	20SFTF03RXX
	3 mm			24	13		7			AISI 316 L	20SFTF03EXX
	4 mm			24	13		7			AISI 303	20SFTF04RXX
	4 mm			24	13		7			AISI 316 L	20SFTF04EXX
	5 mm			22	13		9			AISI 303	20SFTF05RXX
	5 mm			22	13		9			AISI 316 L	20SFTF05EXX
 <p>with Plastic Hose Connection</p>	3 x 4 mm	8		25	7	5			M 7 x 0,5	AISI 303	20SFKO04RXX
	3 x 4 mm	8		25	7	5			M 7 x 0,5	AISI 316 L	20SFKO04EXX
	3 x 5 mm	8		25	7	5			M 7 x 0,5	AISI 303	20SFKO05RXX
	3 x 5 mm	8		25	7	5			M 7 x 0,5	AISI 316 L	20SFKO05EXX
	4 x 6 mm	8		25	7	5			M 8 x 0,5	AISI 303	20SFKO06RXX
	4 x 6 mm	8		25	7	5			M 8 x 0,5	AISI 316 L	20SFKO06EXX
 <p>Panel Mount with Plastic Hose Connection</p>	4 x 6 mm	12	12	38	7	17		3	M 8 x 0,5	AISI 303	20SFKS06RXX

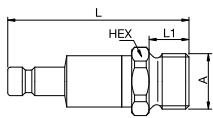
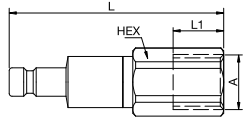
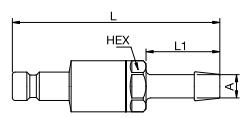
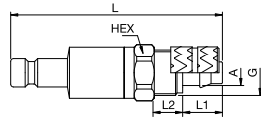
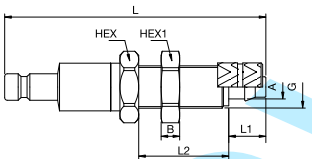


	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	M 5	9		26	5		10			AISI 303	20KBAM05RVX
	M 5	9		26	5		10			AISI 316 L	20KBAM05EVX
	G 1/8	11		28	7		10			AISI 303	20KBAW10RVX
	G 1/8	11		28	7		10			AISI 316 L	20KBAW10EVX
 <p>Female Thread</p>	M 5	9		25	5		10			AISI 303	20KBIM05RVX
	M 5	9		25	5		10			AISI 316 L	20KBIM05EVX
	G 1/8	12		28	7		10			AISI 303	20KBIW10RVX
	G 1/8	12		28	7		10			AISI 316 L	20KBIW10EVX
 <p>Hose Barb</p>	3 mm			35	13		10			AISI 303	20KBTF03RVX
	4 mm			35	13		10			AISI 303	20KBTF04RVX
	4 mm			35	13		10			AISI 316 L	20KBTF04EVX
	5 mm			35	13		10			AISI 303	20KBTF05RVX
 <p>with Plastic Hose Connection</p>	3 x 4 mm	9		34	7	5	10		M 7 x 0,5	AISI 303	20KBKO04RVX
	3 x 4 mm	9		34	7	5	10		M 7 x 0,5	AISI 316 L	20KBKO04EVX
	3 x 5 mm	9		34	7	5	10		M 7 x 0,5	AISI 303	20KBKO05RVX
	3 x 5 mm	9		34	7	5	10		M 7 x 0,5	AISI 316 L	20KBKO05EVX
	4 x 6 mm	9		34	7	5	10		M 8 x 0,5	AISI 303	20KBKO06RVX
	4 x 6 mm	9		34	7	5	10		M 8 x 0,5	AISI 316 L	20KBKO06EVX
 <p>Panel Mount with Plastic Hose Connection</p>	3 x 4 mm	12	11	45	7	17	10	3	M 7 x 0,5	AISI 303	20KBKS04RVX
	3 x 5 mm	12	11	45	7	17	10	3	M 7 x 0,5	AISI 303	20KBKS05RVX
	4 x 6 mm	12	12	45	7	17	10	3,5	M 8 x 0,5	AISI 303	20KBKS06RVX



Plugs – with valve

Series 20KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	M 5	9		28	5					AISI 303	20SBAM05RVX
	M 5	9		28	5					AISI 316 L	20SBAM05EVX
	G 1/8	11		30	7					AISI 303	20SBAW10RVX
	G 1/8	11		30	7					AISI 316 L	20SBAW10EVX
 <p>Female Thread</p>	M 5	9		27	5					AISI 303	20SBIM05RVX
	M 5	9		27	5					AISI 316 L	20SBIM05EVX
	G 1/8	12		30	7					AISI 303	20SBIW10RVX
	G 1/8	12		30	7					AISI 316 L	20SBIW10EVX
 <p>Hose Barb</p>	3 mm	8		37	13					AISI 303	20SBTF03RVX
	4 mm	8		37	13					AISI 303	20SBTF04RVX
	4 mm	8		37	13					AISI 316 L	20SBTF04EVX
	5 mm	8		37	13					AISI 303	20SBTF05RVX
 <p>with Plastic Hose Connection</p>	3 x 4 mm	9		36	7	5			M 7 x 0,5	AISI 303	20SBKO04RVX
	3 x 4 mm	9		36	7	5			M 7 x 0,5	AISI 316 L	20SBKO04EVX
	3 x 5 mm	9		36	7	5			M 7 x 0,5	AISI 303	20SBKO05RVX
	3 x 5 mm	9		36	7	5			M 7 x 0,5	AISI 316 L	20SBKO05EVX
	4 x 6 mm	9		36	7	5			M 8 x 0,5	AISI 303	20SBKO06RVX
	4 x 6 mm	9		36	7	5			M 8 x 0,5	AISI 316 L	20SBKO06EVX
 <p>Panel Mount with Plastic Hose Connection</p>	3 x 4 mm	12	11	47	7	17		3	M 7 x 0,5	AISI 303	20SBKS04RVX
	3 x 5 mm	12	11	47	7	17		3	M 7 x 0,5	AISI 303	20SBKS05RVX
	4 x 6 mm	12	12	47	7	17		3,5	M 8 x 0,5	AISI 303	20SBKS06RVX

KOVAR S.r.l.

Nominal Diameter

3 = 7 mm²

Rectus Series

303

Low Pressure

**Technical Description**

Mini industrial coupling with plug profile according to ISO 6150 C. Popular profile in analytical and medical technology. Above average flow rate performance for liquid and gaseous media.

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 safety factor 4 to 1.

Material

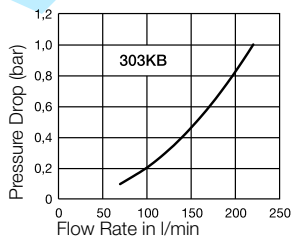
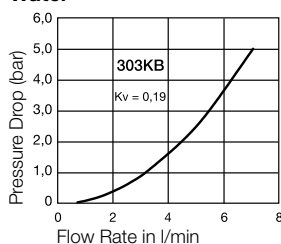
Coupling: AISI 316L

Plug: AISI 316L

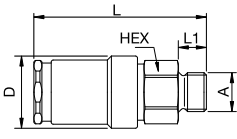
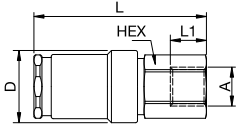
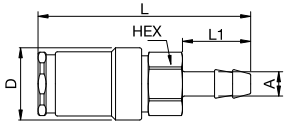
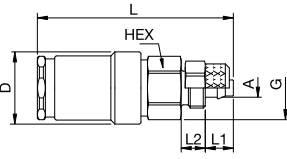
Seals: FKM

Interchangeability

- ISO 6150 C

Flow diagrams**Air****Water**



	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/8	14		43	7		18				303KBAW10EVX
	G 1/4	17		45	9		18				303KBAW13EVX
 <p>Female Thread</p>	G 1/8	14		43	9		18				303KBIW10EVX
	G 1/4	17		45	9		18				303KBIW13EVX
 <p>Hose Barb</p>	4 mm	14		53	17		18				303KBTF04EVX
	6 mm	14		53	17		18				303KBTF06EVX
 <p>with Plastic Hose Connection</p>	4 x 6 mm	14	12	49	7	6	18		M 10 x 1		303KBKO06EVX
	6 x 8 mm	14	14	49	7	6	18		M 12 x 1		303KBKO08EVX

KONV



Plugs – with valve

Series 303KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
<p>Male Thread</p>	G 1/8	14		48,5	7						303SBAW10EVX
	G 1/4	17		50,5	9						303SBAW13EVX
<p>Female Thread</p>	G 1/8	14		48,5	9						303SBIW10EVX
	G 1/4	17		50,5	9						303SBIW13EVX
<p>Hose Barb</p>	4 mm	14		58,5	17						303SBTF04EVX
	6 mm	14		58,5	17						303SBTF06EVX
<p>with Plastic Hose Connection</p>	4 x 6 mm	14	12	54,5	7	6			M 10 x 1		303SBKO06EVX
	6 x 8 mm	14	14	54,5	7	6			M 12 x 1		303SBKO08EVX



KOVAR S.r.l.

Nominal Diameter

4 = 12,5 mm²

Rectus Series

204

**Technical Description**

Leak-free coupling system for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive media.

Coupling system with single-hand operation, extremely low leakage rates and minimal dead space volume. Absolutely no air pockets when coupling and only a barely noticeable film of the medium being channelled on the valve bodies when uncoupling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design.

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****

15 bar

** maximum static working pressure with safety factor 4 to 1.

Material

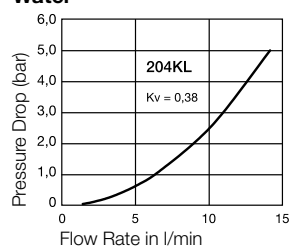
Coupling: AISI 316 L

Plug: AISI 316 L

Seals: FKM

Interchangeability

- Rectus Design

Flow diagrams**Water****Other designs in series 204**

The following other designs can be found from page:

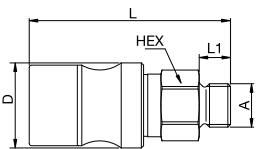
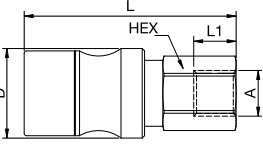
► Brass / Steel

P. 26



Couplings – flat-sealing

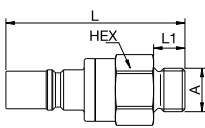
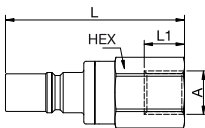
Series 204KL

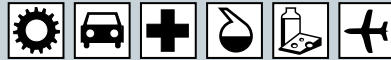
	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/8	14		45	7		19				204KLAW10EVX
	G 1/4	17		47	9		19				204KLAW13EVX
 <p>Female Thread</p>	G 1/8	14		45	9		19				204KLIW10EVX
	G 1/4	17		47	9		19				204KLIW13EVX



Plugs – flat-sealing

Series 204KL

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/8	14		40	7						204SLAW10EVX
	G 1/4	17		42	9						204SLAW13EVX
 <p>Female Thread</p>	G 1/8	14		40	9						204SLIW10EVX
	G 1/4	17		42	9						204SLIW13EVX




Other designs in series 21

The following other designs can be found from page:

- ▶ Brass / Steel P. 30
- ▶ Thermoplastic P. 232
- ▶ Medical Technology (MD) P. 256
- ▶ Safety P. 270
- ▶ Coded Systems P. 298




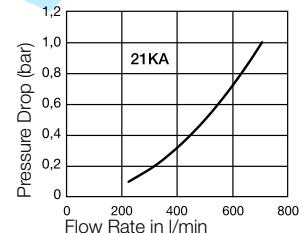
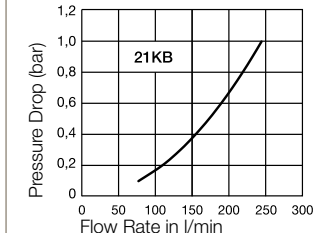
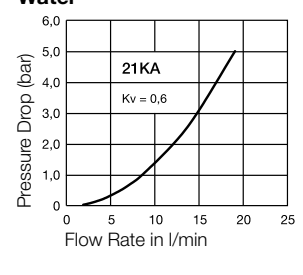
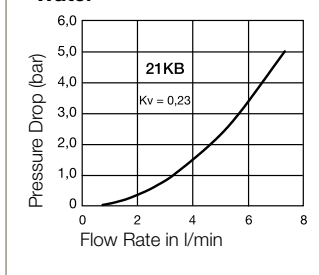
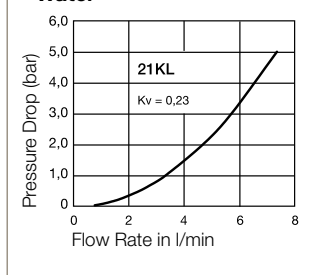
Technical Description

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.

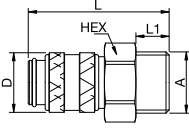
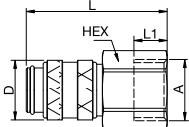
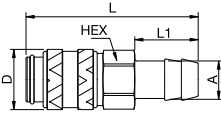
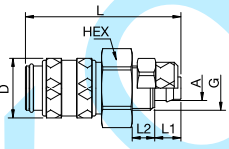
Dust Protections  (P. 319) for Coupling Part.-No. SK16S

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

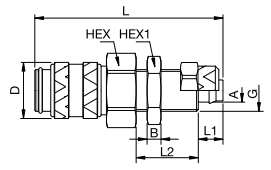
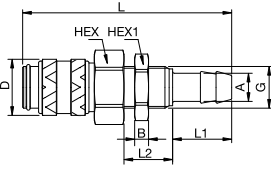
* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

		
<p>Working Pressure** 35 bar ** maximum static working pressure with safety factor 4 to 1.</p>	<p>35 bar</p>	<p>8 bar</p>
<p>Features</p> <ul style="list-style-type: none"> • All variants interchangeable • Minimal, almost imperceptible leakage when uncoupling • No air locked into the system during the coupling process 		
<p>Material</p> <p>Coupling: AISI 303 / AISI 316 L Plug: AISI 303 / AISI 316 L Seals: FKM</p>		
<p>Interchangeability</p> <ul style="list-style-type: none"> • Camozzi • EWO • Kani 		
<p>Flow diagrams</p>		
<p>Air</p> 	<p>Air</p> 	
<p>Water</p> 	<p>Water</p> 	<p>Water</p> 

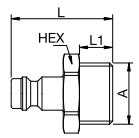
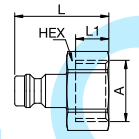


	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/8	14		36	7		16			AISI 303	21KAAW10RVX
	G 1/8	14		36	7		16			AISI 316 L	21KAAW10EVX
	G 1/4	17		38	9		16			AISI 303	21KAAW13RVX
	G 1/4	17		38	9		16			AISI 316 L	21KAAW13EVX
	G 3/8	19		38	9		16			AISI 303	21KAAW17RVX
	G 3/8	19		38	9		16			AISI 316 L	21KAAW17EVX
	M 12 x 1,5	14		38	9		16			AISI 303	21KAAM12RVX
	M 14 x 1,5	17		39	10		16			AISI 303	21KAAM14RVX
 <p>Female Thread</p>	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
	G 3/8	19		38	9		16			AISI 303	21KAIW17RVX
	G 3/8	19		38	9		16			AISI 316 L	21KAIW17EVX
	M 12 x 1,5	17		38	9		16			AISI 303	21KAIM12RVX
	M 14 x 1,5	17		38	9		16			AISI 316 L	21KAIM14RVX
 <p>Hose Barb</p>	4 mm	14		46	17		16			AISI 303	21KATF04RVX
	4 mm	14		46	17		16			AISI 316 L	21KATF04EVX
	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
	8 mm	14		46	17		16			AISI 316 L	21KATF08EVX
	9 mm	14		46	17		16			AISI 303	21KATF09RVX
	9 mm	14		46	17		16			AISI 316 L	21KATF09EVX
	10 mm	14		46	17		16			AISI 303	21KATF10RVX
	10 mm	14		46	17		16			AISI 316 L	21KATF10EVX
	6 mm Parker	14		50	20		16			AISI 303	21KATP06RVX
	 <p>with Plastic Hose Connection</p>	4 x 6 mm	14		42	7	6	16		M 10 x 1	AISI 303
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
6 x 8 mm		14		42	7	6	16		M 12 x 1	AISI 316 L	21KAKO08EVX

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
 <p>Panel Mount with Plastic Hose Connection</p>	4 x 6 mm	14	12	54	7	18	16	3	M 10 x 1	AISI 303	21KAKS06RVX
	4 x 6 mm	14	12	54	7	18	16	3	M 10 x 1	AISI 316 L	21KAKS06EVX
	6 x 8 mm	17	17	54	7	18	16	4	M 12 x 1	AISI 303	21KAKS08RVX
 <p>Panel Mount with Hose Barb</p>	6 mm	17	17	60	17	14	16	4	M 12 x 1	AISI 303	21KATS06RVX
	8 mm	17	17	60	17	14	16	4	M 12 x 1	AISI 303	21KATS08RVX

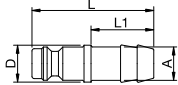
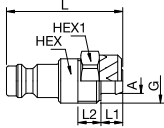
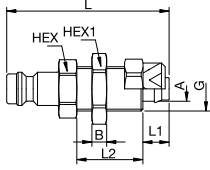
Plugs – without valve **Series 21KA**

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	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
	G 3/8	19		28	9					AISI 316 L	21SFAW17EXX
	M 10 x 1	14		25	7					AISI 303	21SFAM10RXX
	M 12 x 1,5	17		28	10					AISI 303	21SFAM12RXX
	M 14 x 1,5	17		28	10					AISI 303	21SFAD14RXX
 <p>Female Thread</p>	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
	G 3/8	19		26	9					AISI 316 L	21SFIW17EXX
	M 10 x 1	14		26	9					AISI 303	21SFIM10RXX
	M 14 x 1,5	17		27	10					AISI 303	21SFIM14RXX



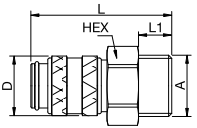
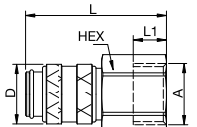
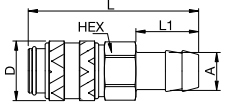
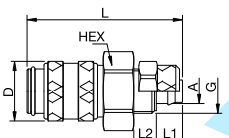
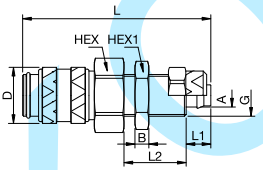
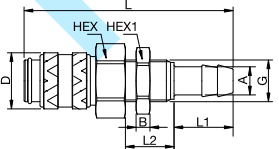
Plugs – without valve

Series 21KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	4 mm			32	17		9			AISI 303	21SFTF04RXX
	5 mm			32	17		9			AISI 303	21SFTF05RXX
	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
	9 mm			33	17		10			AISI 303	21SFTF09RXX
	9 mm			33	17		10			AISI 316 L	21SFTF09EXX
	10 mm			33	17		12			AISI 303	21SFTF10RXX
	10 mm			33	17		12			AISI 316 L	21SFTF10EXX
	6 mm Parker			36	20		12			AISI 303	21SFTF06RXX
 <p>with Plastic Hose Connection</p>	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
 <p>Panel Mount with Plastic Hose Connection</p>	4 x 6 mm	14	12	43	7	18		3	M 10 x 1	AISI 303	21SFKS06RXX
	4 x 6 mm	14	12	43	7	18		3	M 10 x 1	AISI 316 L	21SFKS06EXX
	6 x 8 mm	14	17	44	7	18		4	M 12 x 1	AISI 303	21SFKS08RXX

KONVEX

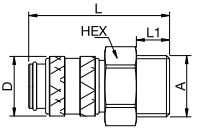
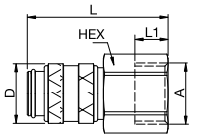
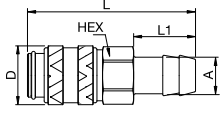
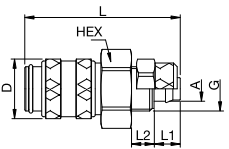
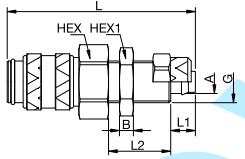
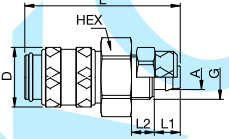
Couplings – with valve **Series 21KB**

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	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
 <p>Female Thread</p>	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
	G 3/8	19		38	9		16			AISI 303	21KBIW17RVX
	G 3/8	19		38	9		16			AISI 316 L	21KBIW17EVX
 <p>Hose Barb</p>	4 mm	14		46	17		16			AISI 303	21KBTF04RVX
	4 mm	14		46	17		16			AISI 316 L	21KBTF04EVX
	5 mm	14		46	17		16			AISI 303	21KBTF05RVX
	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
	8 mm	14		46	17		16			AISI 316 L	21KBTF08EVX
	9 mm	14		46	17		16			AISI 303	21KBTF09RVX
	9 mm	14		46	17		16			AISI 316 L	21KBTF09EVX
	10 mm	14		46	17		16			AISI 303	21KBTF10RVX
	10 mm	14		46	17		16			AISI 316 L	21KBTF10EVX
	6 mm Parker	14		50	20		16			AISI 303	21KBTP06RVX
 <p>with Plastic Hose Connection</p>	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
	6 x 8 mm	14		42	7	6	16		M 12 x 1	AISI 316 L	21KBKO08EVX
 <p>Panel Mount with Plastic Hose Connection</p>	4 x 6 mm	14	14	54	7	18	16	4	M 10 x 1	AISI 303	21KBKS06RVX
	4 x 6 mm	14	14	54	7	18	16	4	M 10 x 1	AISI 316 L	21KBKS06EVX
	6 x 8 mm	17	14	54	7	18	16	4	M 12 x 1	AISI 303	21KBKS08RVX
 <p>Panel Mount with Hose Barb</p>	8 mm	17	17	60	17	14	16	4	M 12 x 1	AISI 303	21KBTS08RVX

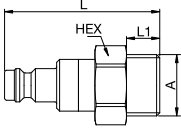
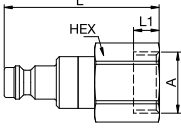
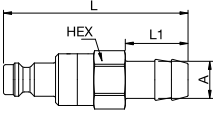
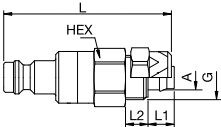
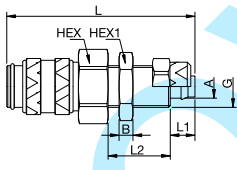


	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number	
<p>Male Thread</p>	G 1/8	14		40	7					AISI 303	21SBAW10RVX	
	G 1/8	14		40	7					AISI 316 L	21SBAW10EVX	
	G 1/4	17		42	9					AISI 303	21SBAW13RVX	
	G 1/4	17		42	9					AISI 316 L	21SBAW13EVX	
	G 3/8	19		42	9					AISI 303	21SBAW17RVX	
	G 3/8	19		42	9					AISI 316 L	21SBAW17EVX	
	M 14 x 1,5	17		43	10					AISI 303	21SBAM14RVX	
<p>Female Thread</p>	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	
	G 3/8	19		42	9					AISI 303	21SBIW17RVX	
	G 3/8	19		42	9					AISI 316 L	21SBIW17EVX	
		M 10 x 1	14		40	9					AISI 303	21SBIM10RVX
		M 12 x 1,5	17		42	9					AISI 303	21SBIM12RVX
	M 14 x 1,5	17		42	9					AISI 303	21SBIM14RVX	
<p>Hose Barb</p>	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	
	8 mm	14		50	17					AISI 316 L	21SBTF08EVX	
	9 mm	14		50	17					AISI 303	21SBTF09RVX	
	9 mm	14		50	17					AISI 316 L	21SBTF09EVX	
	10 mm	14		50	17					AISI 303	21SBTF10RVX	
	10 mm	14		50	17					AISI 316 L	21SBTF10EVX	
		6 mm Parker	14		54	20					AISI 303	21SBTP06RVX
<p>with Plastic Hose Connection</p>	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	
	6 x 8 mm	14		46	7	6			M 12 x 1	AISI 316 L	21SBKO08EVX	
<p>Panel Mount with Plastic Hose Connection</p>	4 x 6 mm	14	12	58	7	18		3	M 10 x 1	AISI 303	21SBKS06RVX	
	4 x 6 mm	14	12	58	7	18		3	M 10 x 1	AISI 316 L	21SBKS06EVX	
	6 x 8 mm	17	17	58	7	18		4	M 12 x 1	AISI 303	21SBKS08RVX	
<p>Panel Mount with Hose Barb</p>	6 mm	17	17	64	17	14		4	M 12 x 1	AISI 303	21SBTS06RVX	
	9 mm	17	17	64	17	14		4	M 12 x 1	AISI 303	21SBTS09RVX	
	10 mm	17	17	61	17	11		3,5	G 1/4	AISI 303	21SBTS10RVX	

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
 <p>Male Thread</p>	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
 <p>Female Thread</p>	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
 <p>Hose Barb</p>	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
	9 mm	14		46	17		16			AISI 303	21KLTF09RVX
	9 mm	14		46	17		16			AISI 316 L	21KLTF09EVX
	10 mm	14		46	17		16			AISI 316 L	21KLTF10EVX
	6 mm Parker	14		50	20		16			AISI 303	21KLTP06RVX
 <p>with Plastic Hose Connection</p>	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
 <p>Panel Mount with Plastic Hose Connection</p>	4 x 6 mm	14	14	54	7	18	16	4	M 10 x 1	AISI 303	21KLKS06RVX
	4 x 6 mm	14	14	54	7	18	16	4	M 10 x 1	AISI 316 L	21KLKS06EVX
	6 x 8 mm	17	17	54	7	18	16	4	M 12 x 1	AISI 303	21KLKS08RVX
 <p>Panel Mount with Hose Barb</p>	8 mm	17	17	60	17	14	16		M 12 x 1	AISI 303	21KLTS08RVX



	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	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
 <p>Female Thread</p>	G 1/8	14		40	9					AISI 303	21SLIW10RVX
	G 1/8	14		40	9					AISI 316 L	21SLIW10EVX
 <p>Hose Barb</p>	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
	9 mm	14		50	17					AISI 316 L	21SLTF09EVX
	10 mm	14		50	17					AISI 303	21SLTF10RVX
	10 mm	14		50	17					AISI 316 L	21SLTF10EVX
	6 mm Parker	14		54	20					AISI 303	21SLTP06RVX
 <p>with Plastic Hose Connection</p>	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
 <p>Panel Mount with Plastic Hose Connection</p>	6 x 8 mm	17	17	58	7	18		4	M 12 x 1	AISI 303	21SLKS08RVX

Nominal Diameter

6 = 28 mm²

Rectus Series

206**Other designs in series 206**

The following other designs can be found from page:

► Brass / Steel

P. 74

Technical Description

Leak-free coupling system for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive media.

Coupling system with single-hand operation, extremely low leakage rates and minimal dead space volume. Absolutely no air pockets when coupling and only a barely noticeable film of the medium being channelled on the valve bodies when uncoupling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design.

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****

15 bar

** maximum static working pressure with safety factor 4 to 1.

Material

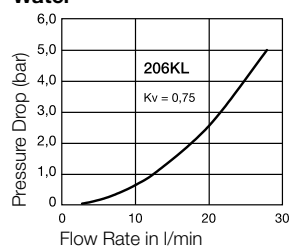
Coupling: AISI 316 L

Plug: AISI 316 L

Seals: FKM

Interchangeability

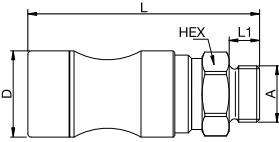
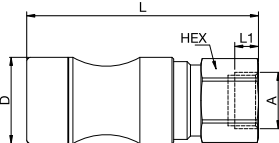
- Rectus Design

Flow diagrams**Water**



Couplings – flat-sealing

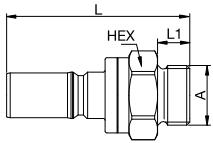
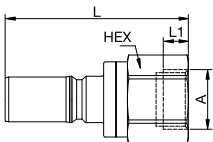
Series 206KL

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 3/8	22		68,5	9		25,5				206KLAW17EVX
	G 1/2	24		71,5	12		25,5				206KLAW21EVX
 <p>Female Thread</p>	G 3/8	22		68,5	9		25,5				206KLIW17EVX
	G 1/2	24		71,5	12		25,5				206KLIW21EVX



Plugs – flat-sealing

Series 206KL

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 3/8	22		55	9						206SLAW17EVX
	G 1/2	24		54	12						206SLAW21EVX
 <p>Female Thread</p>	G 3/8	22		51	9						206SLIW17EVX
	G 1/2	24		54	12						206SLIW21EVX

Nominal Diameter

7,2 = 40 mm²

Rectus Series

26**Other designs in series 26**

The following other designs can be found from page:

- | | |
|-----------------------|--------|
| ▶ Brass / Steel | P. 84 |
| ▶ Safety Self-Venting | P. 292 |

Technical Description

Universal stainless steel coupling with standard European profile. Version in AISI 303 stainless steel for corrosion-resistant applications, as an alternative to the UltraFlo versions.

Coupling system with single-hand operation and standard valve. Small mass size.

Dust Protections  (P. 319)
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.

**Working Pressure****

35 bar

** maximum static working pressure with safety factor 4 to 1.

Material

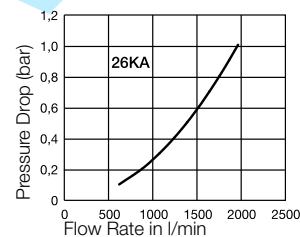
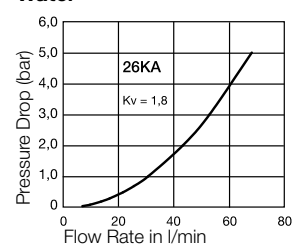
Coupling: AISI 303 + PTFE

Plug: AISI 303

Seals: FKM

Interchangeability

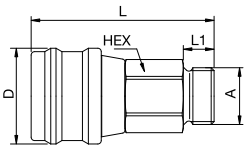
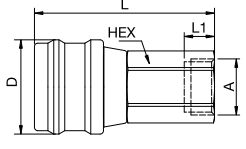
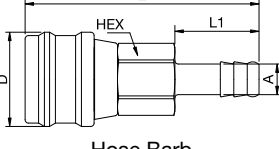
- Rectus 25
- European Standardprofile

Flow diagrams**Air****Water**



Couplings – with valve

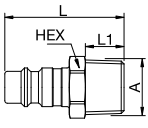
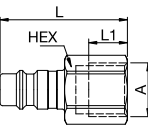
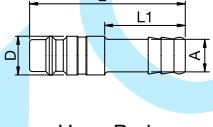
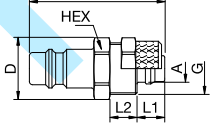
Series 26KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/4	19		55,5	10,5		28				26KAAW13RVX
	G 3/8	19		53,5	9		28				26KAAW17RVX
	G 1/2	24		56,5	12		28				26KAAW21RVX
 <p>Female Thread</p>	G 1/4	19		51,5	10		28				26KAIW13RVX
	G 3/8	19		53,5	9		28				26KAIW17RVX
	G 1/2	24		56,5	12		28				26KAIW21RVX
 <p>Hose Barb</p>	6 mm	19		69,5	25		28				26KATF06RVX
	8 mm	19		69,5	25		28				26KATF08RVX
	9 mm	19		69,5	25		28				26KATF09RVX
	10 mm	19		69,5	25		28				26KATF10RVX
	13 mm	19		69,5	28		25				26KATF13RVX



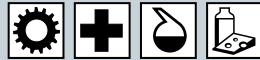
Plugs – without valve

Series 26KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/8	14		31	7						25SFAW10RXX
	G 1/4	17		33	9						25SFAW13RXX
	G 3/8	19		33	9						25SFAW17RXX
	G 1/2	24		38	12						25SFAW21RXX
 <p>Female Thread</p>	G 1/8	14		30	7						25SFIW10RXX
	G 1/4	17		33	10						25SFIW13RXX
	G 3/8	19		33	10						25SFIW17RXX
	G 1/2	24		35	12						25SFIW21RXX
	M 16 x 1,5	19		33	10						25SFIM16RXX
 <p>Hose Barb</p>	6 mm			48	25		12				25SFTF06RXX
	8 mm			48	25		12				25SFTF08RXX
	9 mm			48	25		12				25SFTF09RXX
	10 mm			48	25		12				25SFTF10RXX
	13 mm			48	25		15				25SFTF13RXX
 <p>with Plastic Hose Connection</p>	4 x 6 mm			34	7	6	12		M 10 x 1		25SFKO06RXX
	6 x 8 mm			34	7	6	12		M 12 x 1		25SFKO08RXX
	8 x 10 mm	17		42	9	8			M 16 x 1		25SFKO10RXX
	9 x 12 mm	17		42	9	8			M 16 x 1		25SFKO12RXX

Nominal Diameter

7,4 = 43 mm²



Rectus Series

1300

Low Pressure



Other designs in series 1300

The following other designs can be found from page:

- Brass / Steel P. 92

Technical Description

Series 1300 is used mainly for applications in the area of compressed air and liquids. Optimally suited to use with liquid and aggressive media. The coupling series stands out for its compact design and corrosion resistance.

Dust Protections (P. 319)
for Coupling Part.-No. 1315-QC
for Plug Part.-No. 1325-QC

Working Temperature*
-25°C up to +200°C (FKM)
depending on the medium.

* For temperatures below -25°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 safety factor 4 to 1.

50 bar

Features

- Single-hand operation
- Two-hand operation

Material

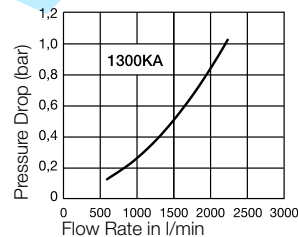
Coupling: AISI 316
Plug: AISI 316
Seals: FKM

Interchangeability

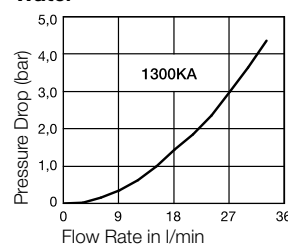
- Rectus 31

Flow diagrams

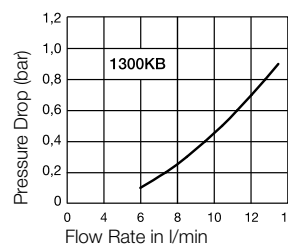
Air



Water



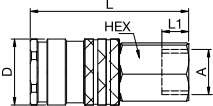
Water





Couplings – with valve

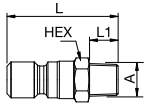
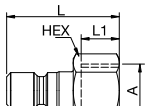
Series 1300KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Female Thread</p>	G 1/4	18		49	8,75		22				1300KAIW13EVX



Plugs – without valve

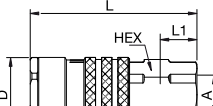
Series 1300KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/8	13		35	9						1300SFAW10EXX
 <p>Female Thread</p>	G 1/4	16		36	10						1300SFIW13EXX



Couplings – with valve

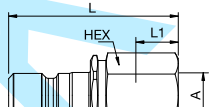
Series 1300KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Female Thread</p>	G 1/4	18		49	8		22				1300KBIW13EVX







Plugs – with valve

Series 1300KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Female Thread</p>	G 1/4	18		44	9						1300SBIW13EVX

Cross-Reference-List

Connection	Thread	Rectus Part Number old	Tema Part Number old	Part Number new	Page
 Couplings – with valve					
Female Thread	G 1/4		1300 RV	1300KAIW13EVX	201
 Plugs – without valve					
Male Thread	G 1/8		13110 R	1300SFAW10EXX	201
Female Thread	G 1/4		13410 R	1300SFIW13EXX	201
 Couplings – with valve					
Female Thread	G 1/4		1300 NRV	1300KBIW13EVX	201
 Plugs – with valve					
Female Thread	G 1/4		13410 RV	1300SBIW13EVX	201

KOVAR S.r.l.



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

- ▶ Brass / Steel P. 98
- ▶ Safety P. 274
- ▶ Safety Self-Venting P. 294
- ▶ Coded Systems P. 302

Technical Description

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

Coupling system with single-hand operation. UltraFlo 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.

Dust Protections (P. 319)
for Coupling Part.-No. SK23S
for Plug Part.-No. SK12S

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

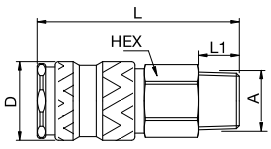
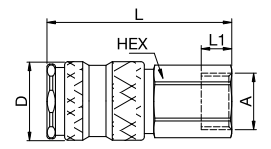
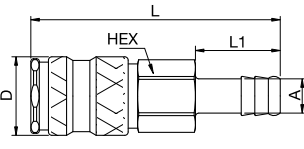
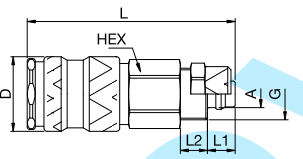
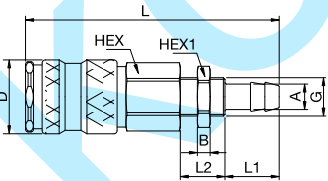
* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

KA Single Shut-Off	KB Double Shut-Off	KL Leak-Free
Working Pressure**		
35 bar ** maximum static working pressure with safety factor 4 to 1.	35 bar	8 bar
Features		
		<ul style="list-style-type: none"> 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
Interchangeability		
<ul style="list-style-type: none"> Rectus 26 Cejn 320 various German Products 		
Flow diagrams		
<p>Air</p>	<p>Air</p>	
<p>Water</p>	<p>Water</p>	<p>Water</p>

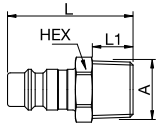
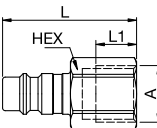
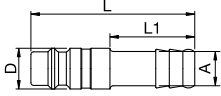
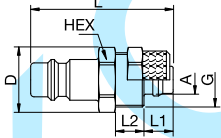


Couplings – with valve

Series 25KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	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
	M 18 x 1,5	19		59,5	11		23			AISI 303	25KAAM18RVX
 <p>Female Thread</p>	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
 <p>Hose Barb</p>	6 mm	19		73,5	25		23			AISI 303	25KATF06RVX
	6 mm	19		73,5	25		23			AISI 316 L	25KATF06EVX
	8 mm	19		73,5	25		23			AISI 303	25KATF08RVX
	8 mm	19		73,5	25		23			AISI 316 L	25KATF08EVX
	9 mm	19		73,5	25		23			AISI 303	25KATF09RVX
	9 mm	19		73,5	25		23			AISI 316 L	25KATF09EVX
	10 mm	19		73,5	25		23			AISI 303	25KATF10RVX
	10 mm	19		73,5	25		23			AISI 316 L	25KATF10EVX
	13 mm	19		73,5	25		23			AISI 303	25KATF13RVX
	13 mm	19		73,5	25		23			AISI 316 L	25KATF13EVX
 <p>with Plastic Hose Connection</p>	6 x 8 mm	19		61	7	6	23		M 12 x 1	AISI 303	25KAKO08RVX
	6 x 8 mm	19		61	7	6	23		M 12 x 1	AISI 316 L	25KAKO08EVX
	8 x 10 mm	19		64,5	9	8	23		M 16 x 1	AISI 303	25KAKO10RVX
	9 x 12 mm	19		64,5	9	8	23		M 16 x 1	AISI 303	25KAKO12RVX
	9 x 12 mm	19		64,5	9	8	23		M 16 x 1	AISI 316 L	25KAKO12EVX
 <p>Panel Mount with Hose Barb</p>	6 mm	19	17	75,5	17	10	23	4	M 12 x 1	AISI 303	25KATS06RVX
	8 mm	19	17	79,5	17	14	23	4	M 12 x 1	AISI 303	25KATS08RVX
	10 mm	19	19	79,5	25	14	23	4	M 14 x 1	AISI 303	25KATS10RVX

Plugs – without valve **Series 25KA**

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	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
 <p>Female Thread</p>	G 1/8	14		30	7					AISI 303	25SFIW10RXX
	G 1/8	14		30	7					AISI 316 L	25SFIW10EXX
	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
M 16 x 1,5	19		33	10					AISI 303	25SFIM16RXX	
 <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
 <p>with Plastic Hose Connection</p>	4 x 6 mm			34	7	6	12		M 10 x 1	AISI 303	25SFKO06RXX
	4 x 6 mm			34	7	6	12		M 10 x 1	AISI 316 L	25SFKO06EXX
	6 x 8 mm			34	7	6	12		M 12 x 1	AISI 303	25SFKO08RXX
	6 x 8 mm			34	7	6	12		M 12 x 1	AISI 316 L	25SFKO08EXX
	8 x 10 mm	17		42	9	8			M 16 x 1	AISI 303	25SFKO10RXX

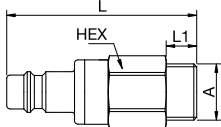
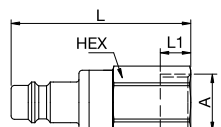
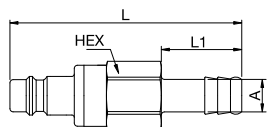
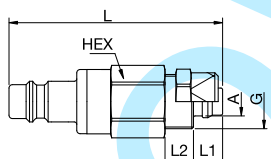
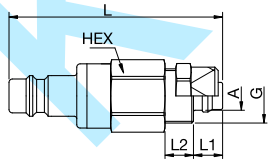


	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
<p>Male Thread</p>	G 1/4	19		59,5	10,5		23			AISI 303	25KBAW13RVX
	G 1/4	19		59,5	10,5		23			AISI 316 L	25KBAW13EVX
	G 3/8	19		57,5	9		23			AISI 303	25KBAW17RVX
	G 3/8	19		57,5	9		23			AISI 316 L	25KBAW17EVX
	G 1/2	24		60,5	12		23			AISI 303	25KBAW21RVX
	G 1/2	24		60,5	12		23			AISI 316 L	25KBAW21EVX
	M 16 x 1,5	19		59	10,5		23			AISI 303	25KBAM16RVX
	M 16 x 1,5	19		59	10,5		23			AISI 316 L	25KBAM16EVX
<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 303	25KBIW21RVX
	G 1/2	24		57,5	12		23			AISI 316 L	25KBIW21EVX
	M 14 x 1,5	19		54,5	9		23			AISI 303	25KBIM14RVX
	M 16 x 1,5	19		54,5	9		23			AISI 303	25KBIM16RVX
M 18 x 1,5	22		54,5	9		23			AISI 303	25KBIM18RVX	
<p>Hose Barb</p>	6 mm	19		73,5	25		23			AISI 303	25KBTF06RVX
	6 mm	19		73,5	25		23			AISI 316 L	25KBTF06EVX
	8 mm	19		73,5	25		23			AISI 303	25KBTF08RVX
	8 mm	19		73,5	25		23			AISI 316 L	25KBTF08EVX
	9 mm	19		73,5	25		23			AISI 303	25KBTF09RVX
	9 mm	19		73,5	25		23			AISI 316 L	25KBTF09EVX
	10 mm	19		73,5	25		23			AISI 303	25KBTF10RVX
	10 mm	19		73,5	25		23			AISI 316 L	25KBTF10EVX
	13 mm	19		73,5	25		23			AISI 303	25KBTF13RVX
	13 mm	19		73,5	25		23			AISI 316 L	25KBTF13EVX
<p>with Plastic Hose Connection</p>	6 x 8 mm	19		61	7	6	23		M 12 x 1	AISI 303	25KBKO08RVX
	6 x 8 mm	19		61	7	6	23		M 12 x 1	AISI 316 L	25KBKO08EVX
	8 x 10 mm	19		64,5	9	8	23		M 16 x 1	AISI 303	25KBKO10RVX
	9 x 12 mm	19		64,5	9	8	23		M 16 x 1	AISI 303	25KBKO12RVX
	9 x 12 mm	19		64,5	9	8	23		M 16 x 1	AISI 316 L	25KBKO12EVX
<p>Panel Mount with Hose Barb</p>	10 mm	19	19	79,5	25	14	23	4	M 14 x 1	AISI 303	25KBTS10RVX



Plugs – with valve

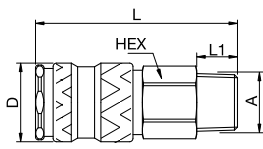
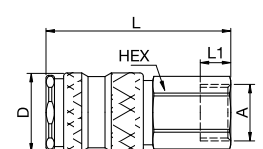
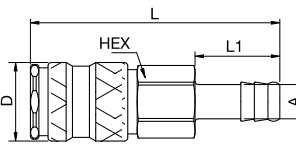
Series 25KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/8	19		54	7					AISI 303	25SBAW10RVX
	G 1/8	19		54	7					AISI 316 L	25SBAW10EVX
	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
	M 16 x 1,5	19		57,5	10,5					AISI 303	25SBAM16RVX
	M 16 x 1,5	19		57,5	10,5					AISI 316 L	25SBAM16EVX
M 18 x 1,5	19		58	11					AISI 303	25SBAM18RVX	
 <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 303	25SBIW21RVX
	G 1/2	24		56	12					AISI 316 L	25SBIW21EVX
M 18 x 1,5	22		53	9					AISI 303	25SBIM18RVX	
 <p>Hose Barb</p>	6 mm	19		72	25					AISI 303	25SBTF06RVX
	6 mm	19		72	25					AISI 316 L	25SBTF06EVX
	8 mm	19		72	25					AISI 303	25SBTF08RVX
	8 mm	19		72	25					AISI 316 L	25SBTF08EVX
	9 mm	19		72	25					AISI 303	25SBTF09RVX
	9 mm	19		72	25					AISI 316 L	25SBTF09EVX
	10 mm	19		72	25					AISI 303	25SBTF10RVX
	10 mm	19		72	25					AISI 316 L	25SBTF10EVX
	13 mm	19		72	25					AISI 303	25SBTF13RVX
	13 mm	19		72	25					AISI 316 L	25SBTF13EVX
 <p>with Plastic Hose Connection</p>	4 x 6 mm	19		59	7	6			M 10 x 1	AISI 303	25SBKO06RVX
	6 x 8 mm	19		59	7	6			M 12 x 1	AISI 303	25SBKO08RVX
	6 x 8 mm	19		59	7	6			M 12 x 1	AISI 316 L	25SBKO08EVX
	8 x 10 mm	19		63	8,5	8,5			M 16 x 1	AISI 303	25SBKO10RVX
	9 x 12 mm	19		63	8,5	8,5			M 16 x 1	AISI 303	25SBKO12RVX
	9 x 12 mm	19		63	8,5	8,5			M 16 x 1	AISI 316 L	25SBKO12EVX
 <p>Panel Mount with Hose Barb</p>	6 mm	19	17	74	17	10			M 12 x 1	AISI 303	25SBTS06RVX
	8 mm	19	17	78	17	14			M 12 x 1	AISI 303	25SBTS08RVX
	10 mm	19	19	78	17	14			M 14 x 1	AISI 303	25SBTS10RVX



Couplings – flat-sealing

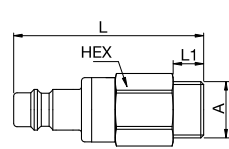
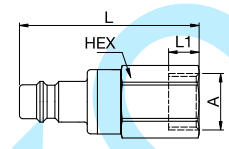
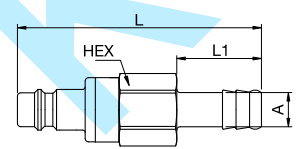
Series 25KL

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/4	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
 Female Thread	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
 Hose Barb	9 mm	19		73,5	25		23			AISI 303	25KLTF09RVX
	9 mm	19		73,5	25		23			AISI 316 L	25KLTF09EVX
	13 mm	19		73,5	25		23			AISI 303	25KLTF13RVX
	13 mm	19		73,5	25		23			AISI 316 L	25KLTF13EVX



Plugs – flat-sealing

Series 25KL

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/4	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
 Female Thread	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
 Hose Barb	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
	13 mm	19		72	25					AISI 303	25SLTF13RVX
	13 mm	19		72	25					AISI 316 L	25SLTF13EVX

Nominal Diameter

9 = 63,5 mm²

Rectus Series

209



Other designs in series 209

The following other designs can be found from page:

► Brass / Steel

P. 126

Technical Description

Leak-free coupling system for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive media.

Coupling system with single-hand operation, extremely low leakage rates and minimal dead space volume. Absolutely no air pockets when coupling and only a barely noticeable film of the medium being channelled on the valve bodies when uncoupling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design.

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**

15 bar

** maximum static working pressure with safety factor 4 to 1.

Material

Coupling: AISI 316 L

Plug: AISI 316 L

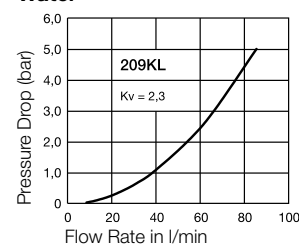
Seals: FKM

Interchangeability

- Rectus Design

Flow diagrams

Water

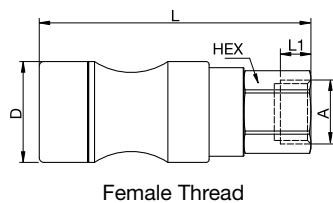




Couplings – flat-sealing

Series 209KL

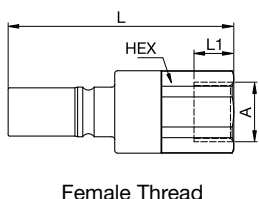
Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
G 1/2	27		92	16		33				209KLIW21EVX
G 3/4	32		94	16		33				209KLIW26EVX



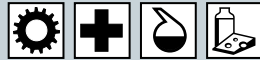
Plugs – flat-sealing

Series 209KL

Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
G 1/2	27		79,5	16						209SLIW21EVX
G 3/4	32		81,5	16						209SLIW26EVX




KONVEK



Technical Description

1/2" universal industrial coupling with standard European profile for use with large pneumatic consumers. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. The series stands out for its robust design, extremely high flow and long service life even with the harshest use. The collar design minimises damage to the valve body.

Dust Protections  (P. 319)
for Coupling Part.-No. SK27S

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 27

The following other designs can be found from page:

- Brass / Steel P. 130
- Safety Self-Venting P. 296



Working Pressure**

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

35 bar

Material

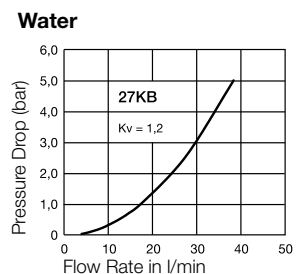
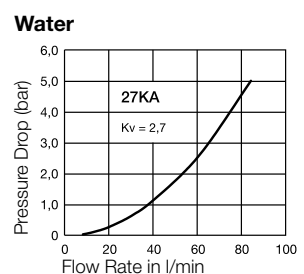
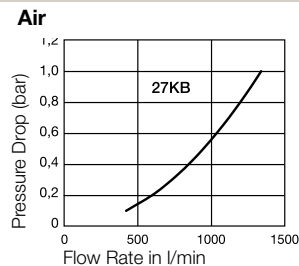
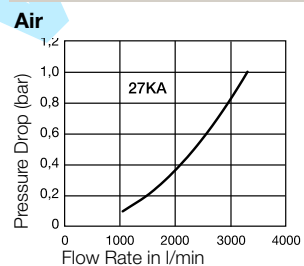
Coupling: AISI 303 / AISI 316 L
Plug: AISI 303 / AISI 316 L
Seals: FKM

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

Interchangeability

- Cejn 410

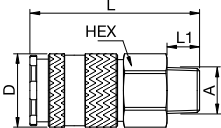
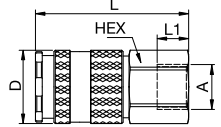
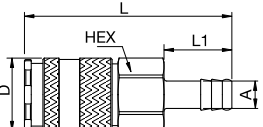
Flow diagrams





Couplings – with valve

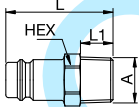
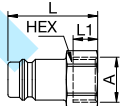
Series 27KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/4	24		57,5	9		27			AISI 303	27KAAW13RVX
	G 3/8	24		57,5	9		27			AISI 303	27KAAW17RVX
	G 3/8	24		57,5	9		27			AISI 316 L	27KAAW17EVX
	G 1/2	24		59,5	12		27			AISI 303	27KAAW21RVX
	G 1/2	24		59,5	12		27			AISI 316 L	27KAAW21EVX
	G 3/4	32		60,5	16		27			AISI 303	27KAAW26RVX
	G 3/4	32		60,5	16		27			AISI 316 L	27KAAW26EVX
 Female Thread	G 3/8	24		56,5	11		27			AISI 303	27KAIW17RVX
	G 3/8	24		56,5	11		27			AISI 316 L	27KAIW17EVX
	G 1/2	24		56,5	12		27			AISI 303	27KAIW21RVX
	G 1/2	24		56,5	12		27			AISI 316 L	27KAIW21EVX
	G 3/4	32		60,5	16		27			AISI 303	27KAIW26RVX
	G 3/4	32		60,5	16		27			AISI 316 L	27KAIW26EVX
 Hose Barb	8 mm	24		76,5	25		27			AISI 316 L	27KATF08EVX
	9 mm	24		76,5	25		27			AISI 303	27KATF09RVX
	9 mm	24		76,5	25		27			AISI 316 L	27KATF09EVX
	10 mm	24		76,5	25		27			AISI 316 L	27KATF10EVX
	13 mm	24		76,5	25		27			AISI 303	27KATF13RVX
	13 mm	24		76,5	25		27			AISI 316 L	27KATF13EVX
	16 mm	24		76,5	25		27			AISI 303	27KATF16RVX
	16 mm	24		76,5	25		27			AISI 316 L	27KATF16EVX
	19 mm	24		76,5	25		27			AISI 303	27KATF19RVX
	19 mm	24		76,5	25		27			AISI 316 L	27KATF19EVX

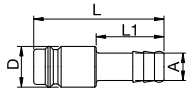


Plugs – without valve

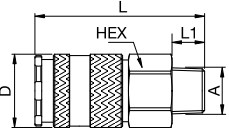
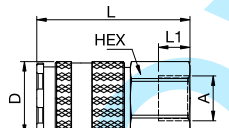
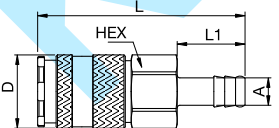
Series 27KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/4	17		36,5	9					AISI 303	27SFAW13RXX
	G 1/4	17		36,5	9					AISI 316 L	27SFAW13EXX
	G 3/8	19		36,5	9					AISI 303	27SFAW17RXX
	G 3/8	19		36,5	9					AISI 316 L	27SFAW17EXX
	G 1/2	24		40	12					AISI 303	27SFAW21RXX
	G 1/2	24		40	12					AISI 316 L	27SFAW21EXX
 Female Thread	G 3/4	32		45	16					AISI 303	27SFAW26RXX
	G 3/4	32		45	16					AISI 316 L	27SFAW26EXX
	G 3/8	19		33	9					AISI 303	27SFIW17RXX
	G 3/8	19		33	9					AISI 316 L	27SFIW17EXX
	G 1/2	24		37	12					AISI 303	27SFIW21RXX
	G 1/2	24		37	12					AISI 316 L	27SFIW21EXX
	G 3/4	32		42	16					AISI 303	27SFIW26RXX
	G 3/4	32		42	16					AISI 316 L	27SFIW26EXX

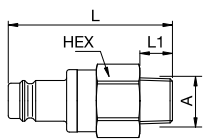
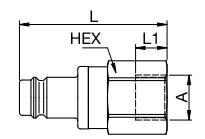
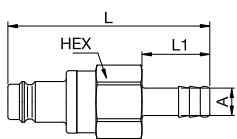
Plugs – without valve **Series 27KA**

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Hose Barb</p>	6 mm			48	25		15			AISI 303	27SFTF06RXX
	8 mm			48	25		15			AISI 303	27SFTF08RXX
	9 mm			48	25		15			AISI 303	27SFTF09RXX
	9 mm			48	25		15			AISI 316 L	27SFTF09EXX
	10 mm			48	25		15			AISI 303	27SFTF10RXX
	13 mm			48	25		15			AISI 303	27SFTF13RXX
	13 mm			48	25		15			AISI 316 L	27SFTF13EXX
	16 mm			49	25		18			AISI 303	27SFTF16RXX
	16 mm			49	25		18			AISI 316 L	27SFTF16EXX
	19 mm			49	25		21			AISI 303	27SFTF19RXX
	19 mm			49	25		21			AISI 316 L	27SFTF19EXX

Couplings – with valve **Series 27KB**

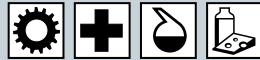
	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/4	24		57,5	9		27			AISI 303	27KBAW13RVX
	G 3/8	24		57,5	9		27			AISI 303	27KBAW17RVX
	G 3/8	24		57,5	9		27			AISI 316 L	27KBAW17EVX
	G 1/2	24		59,5	12		27			AISI 303	27KBAW21RVX
	G 1/2	24		59,5	12		27			AISI 316 L	27KBAW21EVX
	G 3/4	32		60,5	16		27			AISI 303	27KBAW26RVX
	G 3/4	32		60,5	16		27			AISI 316 L	27KBAW26EVX
 <p>Female Thread</p>	G 1/4	24		56,5	10		27			AISI 316 L	27KBIW13EVX
	G 3/8	24		56,5	11		27			AISI 303	27KBIW17RVX
	G 3/8	24		56,5	11		27			AISI 316 L	27KBIW17EVX
	G 1/2	24		56,5	12		27			AISI 303	27KBIW21RVX
	G 1/2	24		56,5	12		27			AISI 316 L	27KBIW21EVX
	G 3/4	32		60,5	16		27			AISI 303	27KBIW26RVX
	G 3/4	32		60,5	16		27			AISI 316 L	27KBIW26EVX
 <p>Hose Barb</p>	13 mm	24		76,5	25		27			AISI 303	27KBTF13RVX
	13 mm	24		76,5	25		27			AISI 316 L	27KBTF13EVX
	16 mm	24		76,5	25		27			AISI 303	27KBTF16RVX
	16 mm	24		76,5	25		27			AISI 316 L	27KBTF16EVX
	19 mm	24		76,5	25		27			AISI 303	27KBTF19RVX
	19 mm	24		76,5	25		27			AISI 316 L	27KBTF19EVX



	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/4	24		55,5	9					AISI 303	27SBAW13RVX
	G 3/8	24		55,5	9					AISI 303	27SBAW17RVX
	G 3/8	24		55,5	9					AISI 316 L	27SBAW17EVX
	G 1/2	24		57,5	12					AISI 303	27SBAW21RVX
	G 1/2	24		57,5	12					AISI 316 L	27SBAW21EVX
	G 3/4	32		58,5	16					AISI 303	27SBAW26RVX
	G 3/4	32		58,5	16					AISI 316 L	27SBAW26EVX
 <p>Female Thread</p>	G 1/4	24		54,5	10					AISI 303	27SBIW13RVX
	G 1/4	24		54,5	10					AISI 316 L	27SBIW13EVX
	G 3/8	24		54,5	10					AISI 303	27SBIW17RVX
	G 3/8	24		54,5	10					AISI 316 L	27SBIW17EVX
	G 1/2	24		54,5	12					AISI 303	27SBIW21RVX
	G 1/2	24		54,5	12					AISI 316 L	27SBIW21EVX
	G 3/4	32		58,5	16					AISI 303	27SBIW26RVX
 <p>Hose Barb</p>	9 mm	24		74,5	25					AISI 303	27SBTF09RVX
	9 mm	24		74,5	25					AISI 316 L	27SBTF09EVX
	13 mm	24		74,5	25					AISI 303	27SBTF13RVX
	13 mm	24		74,5	25					AISI 316 L	27SBTF13EVX
	16 mm	24		74,5	25					AISI 303	27SBTF16RVX
	16 mm	24		74,5	25					AISI 316 L	27SBTF16EVX
	19 mm	24		74,5	25					AISI 303	27SBTF19RVX
19 mm	24		74,5	25					AISI 316 L	27SBTF19EVX	

Nominal Diameter

9,5 = 71 mm²



Rectus Series

1800

Low Pressure



Other designs in series 1800

The following other designs can be found from page:

► Brass / Steel

P. 140

Technical Description

The 1800 series in stainless steel is used mainly for applications in the area of liquids with aggressive media. The coupling system stands out for its robust, compact design and high corrosion resistance.

Dust Protections  (P. 319)
for Coupling Part.-No. 5026-QC
for Plug Part.-No. 2526-QC

Working Temperature*
-25°C up to +200°C (FKM)
depending on the medium.

* For temperatures below -25°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 safety factor 4 to 1.

50 bar

Features

• Single-hand operation

• Two-hand operation

Material

Coupling: AISI 316
Plug: AISI 316
Seals: FKM

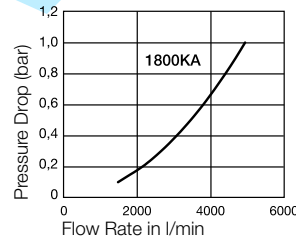
Coupling: AISI 316
Plug: AISI 316
Seals: FKM

Interchangeability

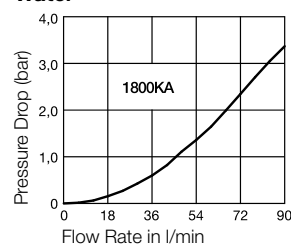
• Tema Design

Flow diagrams

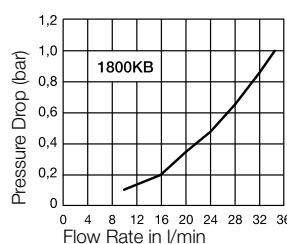
Air



Water



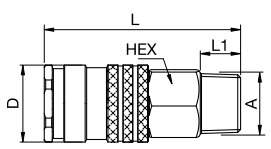
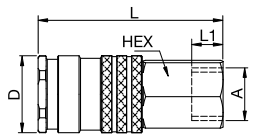
Water





Couplings – with valve

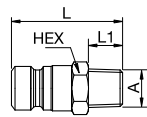
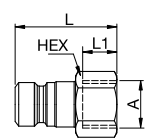
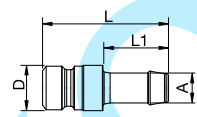
Series 1800KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/2	22		54	13		27				1800KAAW21EVX
 <p>Female Thread</p>	G 3/8	22		54	10		27				1800KAIW17EVX
	G 1/2	24		55	10		27				1800KAIW21EVX

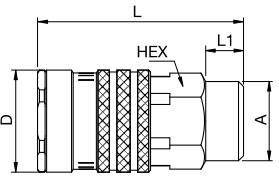
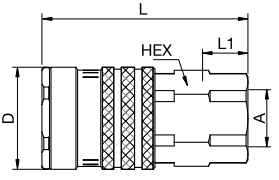


Plugs – without valve

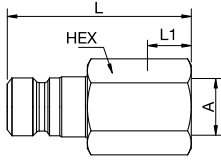
Series 1800KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 3/8	19		36	10						1800SFAW17EXX
 <p>Female Thread</p>	G 3/8	22		36	10						1800SFIW17EXX
 <p>Hose Barb</p>	6 mm			44	23		16				1800SFTF06EXX

Couplings – with valve **Series 1800KB**





	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/2	22		54	10		27				1800KBAW21EVX
 <p>Female Thread</p>	G 3/8	22		54	9		27				1800KBIW17EVX
	G 1/2	24		55	9		27				1800KBIW21EVX

Plugs – with valve **Series 1800KB**

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Female Thread</p>	G 3/8	22		49	10						1800SBIW17EVX
	G 1/2	25		50	9						1800SBIW21EVX

KONVEN

Cross-Reference-List

Connection	Thread	Rectus Part Number old	Tema Part Number old	Part Number new	Page
 Couplings – with valve					
Male Thread	G 1/2		1800 ARV	1800KAAW21EVX	221
Female Thread	G 3/8		1800 RV	1800KAIW17EVX	221
	G 1/2		1800 BRV	1800KAIW21EVX	221
 Plugs – without valve					
Male Thread	G 3/8		18210 R	1800SFAW17EXX	221
Female Thread	G 3/8		18410 R	1800SFIW17EXX	221
Hose Barb	6 mm		18006 RF	1800SFTF06EXX	221
 Couplings – with valve					
Male Thread	G 1/2		1800 NARV	1800KBAW21EVX	222
Female Thread	G 3/8		1800 NRV	1800KBIW17EVX	222
	G 1/2		1800 NBRV	1800KBIW21EVX	222
 Plugs – with valve					
Female Thread	G 3/8		18410 RV	1800SBIW17EVX	222
	G 1/2		18422 RV	1800SBIW21EVX	222

Nominal Diameter

4,3 - 20



Rectus Series

70

Low Pressure

**Technical Description**

Coupling series in sizes 1/8" to 1" with plug profile compliant with ISO 7241-1 series B. Particularly suited to use with liquid media.

Coupling system with two-hand operation, i.e. both hands are required when coupling/uncoupling. The coupling series stands out for its high flow rates against a low pressure drop.

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****

see charts

** maximum static working pressure with safety factor 4 to 1.

Material

Coupling: AISI 303 / AISI 316 L

Plug: AISI 303 / AISI 316 L

Seals: FKM

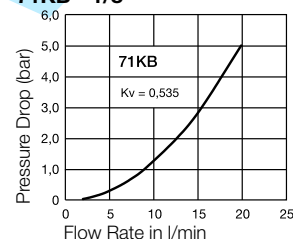
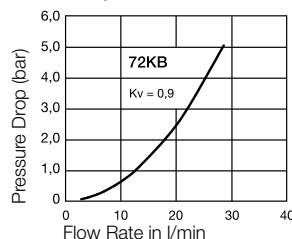
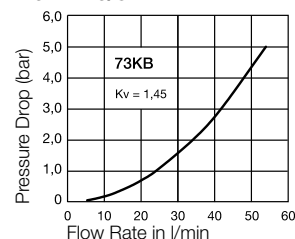
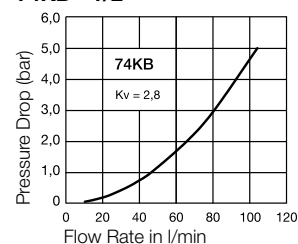
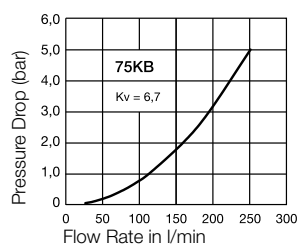
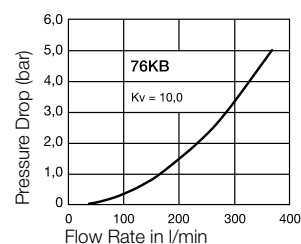
Interchangeability

• ISO 7241-1 Series B

Other designs in series 70

The following other designs can be found from page:

- ▶ Brass / Steel P. 174
- ▶ Thermoplastic P. 246

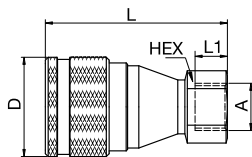
Flow diagrams Water**71KB - 1/8"****72KB - 1/4"****73KB - 3/8"****74KB - 1/2"****75KB - 3/4"****76KB - 1"**



Couplings – with valve

Series 70KB

Size	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	Working Pressure max. / bar	Version	Part Number
1/8	G 1/8	14		48,5	7		25		250	AISI 303	71KBIW10RVX
1/8	G 1/8	14		48,5	7		25		250	AISI 316 L	71KBIW10EVX
1/4	G 1/4	19		57,5	10		29		250	AISI 303	72KBIW13RVX
1/4	G 1/4	19		57,5	10		29		250	AISI 316 L	72KBIW13EVX
3/8	G 3/8	22		64	11,5		35		250	AISI 303	73KBIW17RVX
3/8	G 3/8	22		64	11,5		35		250	AISI 316 L	73KBIW17EVX
1/2	G 1/2	27		76	16		44,5		250	AISI 303	74KBIW21RVX
1/2	G 1/2	27		76	16		44,5		250	AISI 316 L	74KBIW21EVX
3/4	G 3/4	34		96	24		55		160	AISI 303	75KBIW26RVX
3/4	G 3/4	34		96	24		55		160	AISI 316 L	75KBIW26EVX
1	G 1	41		105,5	24		62		100	AISI 303	76KBIW33RVX
1	G 1	41		105,5	24		62		100	AISI 316 L	76KBIW33EVX



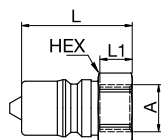
Female Thread



Plugs – with valve

Series 70KB

Size	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	Working Pressure max. / bar	Version	Part Number
1/8	G 1/8	14		29,5	7				250	AISI 303	71SBIW10RVX
1/8	G 1/8	14		29,5	7				250	AISI 316 L	71SBIW10EVX
1/4	G 1/4	19		35	10				250	AISI 303	72SBIW13RVX
1/4	G 1/4	19		35	10				250	AISI 316 L	72SBIW13EVX
3/8	G 3/8	22		39	11,5				250	AISI 303	73SBIW17RVX
3/8	G 3/8	22		39	11,5				250	AISI 316 L	73SBIW17EVX
1/2	G 1/2	27		48	16				250	AISI 303	74SBIW21RVX
1/2	G 1/2	27		48	16				250	AISI 316 L	74SBIW21EVX
3/4	G 3/4	36		60	24				160	AISI 303	75SBIW26RVX
3/4	G 3/4	36		60	24				160	AISI 316 L	75SBIW26EVX
1	G 1	41		65	24				100	AISI 303	76SBIW33RVX
1	G 1	41		65	24				100	AISI 316 L	76SBIW33EVX



Female Thread