

Nominal Diameter

1,5 = 1,8 mm²**TEESING**

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Rectus Series

02

Smallest mini industrial coupling for air and gas applications. Primarily in medicine, didactics and model building. Specific application for liquids due to size. Coupling system with single-hand operation. Extremely small dimensions.

Series 02 in brass material without nickel plating and with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass nickel plated

Plug: Brass nickel plated

Seals: NBR

Technical Description

Connecting Force 0 bar: 7 N

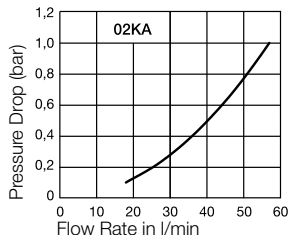
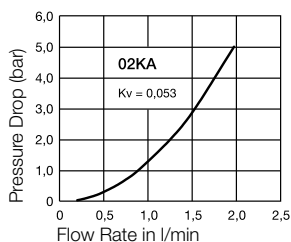
Connecting Force 6 bar: 19 N

Vacuum Coupling: 96%

Vacuum connected: 96%

Interchangeability (KA only)

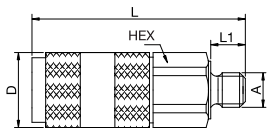
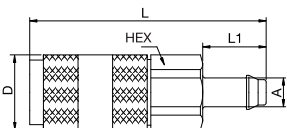
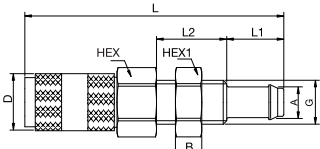
- Rectus Design

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



Couplings – with valve

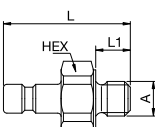
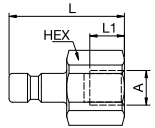
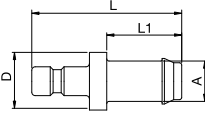
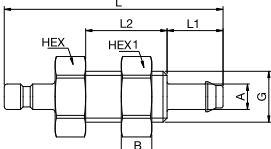
Series 02KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Part Number
 <p>Male Thread</p>	M 3	6		19	3		6,5			02KAAM03MPN
 <p>Hose Barb</p>	2 mm	6		21	5,5		6,5			02KATF02MPN
	3 mm	6		22	5,5		6,5			02KATF03MPN
 <p>Panel Mount with Hose Barb</p>	2 mm	7	7	29	5,5	8	6,5	3	M 5	02KATS02MPN
	3 mm	7	7	30	6,5	8	6,5	3	M 5	02KATS03MPN

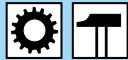


Plugs – without valve

Series 02KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Part Number
 <p>Male Thread</p>	M 3	6		11	3					02SFAM03MXN
 <p>Female Thread</p>	M 3	6		10	3					02SFIM03MXN
 <p>Hose Barb</p>	2 mm			12	5,5		4			02SFTF02MXN
 <p>Panel Mount with Hose Barb</p>	2 mm	7	7	22	5,5	8		3	M 5	02SFTS02MXN

Nominal Diameter

2,5 = 5 mm²

Rectus Series

50

Mini industrial coupling, can be used with various media.
Coupling system with single-hand operation. This system is extremely easy to operate and stands out for its small installation dimensions.

Series 50 in brass material with nickel plating and with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass

Plug: Brass

Seals: NBR

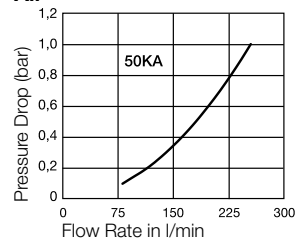
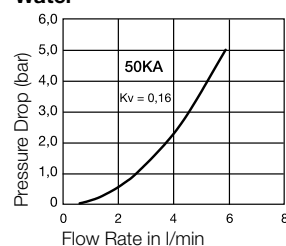
Technical Description

Connecting Force 0 bar: 31 N

Connecting Force 6 bar: 49 N

Interchangeability (KA only)

- Walther LP002

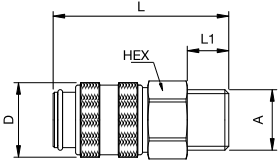
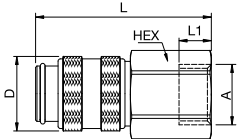
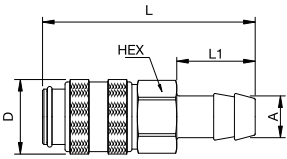
Flow diagrams**Air****Water****TEESING**

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Couplings – with valve

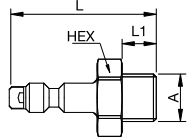
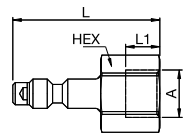
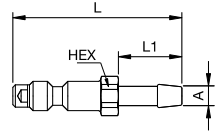
Series 50KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/8	14	36	7	16	50KAAW10MPXS
	G 1/4	17	38	9	16	50KAAW13MPXS
 <p>Female Thread</p>	G 1/8	14	36	9	16	50KAIW10MPXS
	G 1/4	17	38	9	16	50KAIW13MPXS
 <p>Hose Barb</p>	4 mm	14	46	17	16	50KATF04MPXS
	6 mm	14	46	17	16	50KATF06MPXS



Plugs – without valve

Series 50KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/8	14	30	7		50SFAW10MXX
 <p>Female Thread</p>	G 1/8	14	30	7		50SFIW10MXX
 <p>Hose Barb</p>	4 mm	7	35	13		50SFTF04MXX
	6 mm	7	35	13		50SFTF06MXX



Other designs in series 20

The following other designs can be found from page:

- Stainless Steel P. 132



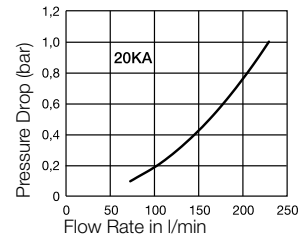
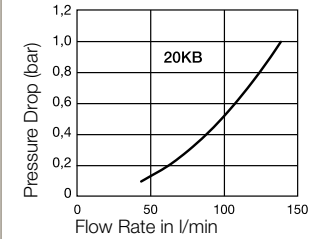
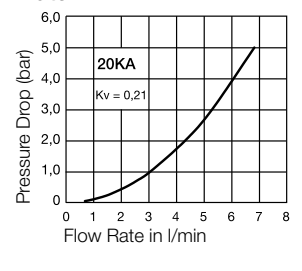
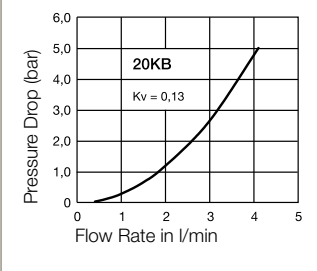
Mini industrial coupling with internationally used profile. Frequent use in medical technology and chemistry/pharmacy. Coupling system with single-hand operation. High flow despite small dimensions plus many applications with a variety of media.

Series 20 with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

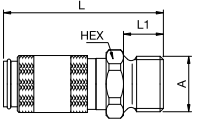
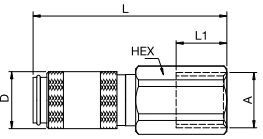
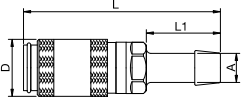
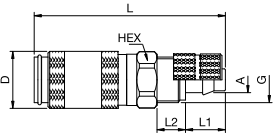
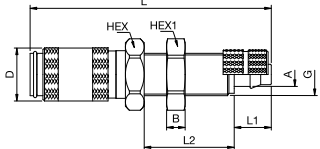
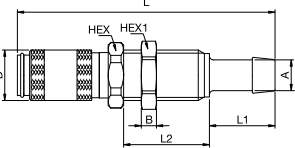
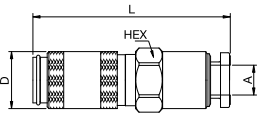
	
<p>Working Pressure** 35 bar ** maximum static working pressure with design factor 4 to 1.</p>	<p>35 bar</p>
<p>Features</p>	<ul style="list-style-type: none"> • Low pressure drop
<p>Material Coupling: Brass Plug: Brass Seals: NBR</p>	<p>Coupling: Brass Plug: Brass Seals: NBR</p>
<p>Technical Description Connecting Force 0 bar: 25 N Connecting Force 6 bar: 35 N Vacuum Coupling: 96% Vacuum connected: 96%</p>	<p>Connecting Force 0 bar: 25 N Connecting Force 6 bar: 35 N Vacuum Coupling: 96% Vacuum Plug: 96% Vacuum connected: 96%</p>
<p>Flow diagrams</p>	
<p>Air</p> 	<p>Air</p> 
<p>Water</p> 	<p>Water</p> 

Interchangeability (KA only)

- Walther 06-003



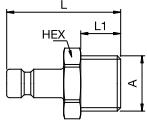
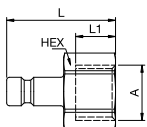
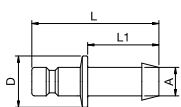
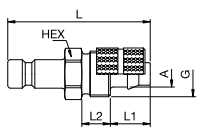
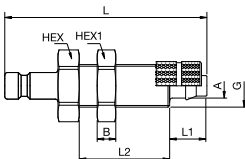
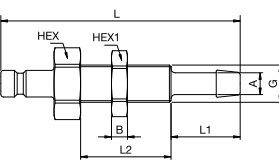
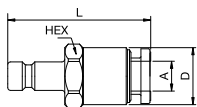


	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	M 5	9		26	5		10			blank	20KAAM05MPX
	M 5	9		26	5		10			nickel plated	20KAAM05MPN
	G 1/8	11		28	7		10			blank	20KAAW10MPX
	G 1/8	11		28	7		10			nickel plated	20KAAW10MPN
 Female Thread	M 5	9		26	5		10			blank	20KAIM05MPX
	M 5	9		26	5		10			nickel plated	20KAIM05MPN
	G 1/8	12		28	7		10			blank	20KAIW10MPX
	G 1/8	12		28	7		10			nickel plated	20KAIW10MPN
 Hose Barb	3 mm			35	13		10			blank	20KATF03MPX
	3 mm			35	13		10			nickel plated	20KATF03MPN
	4 mm			35	13		10			blank	20KATF04MPX
	4 mm			35	13		10			nickel plated	20KATF04MPN
	5 mm			34	13		10			blank	20KATF05MPX
	5 mm			34	13		10			nickel plated	20KATF05MPN
 with Plastic Hose Connection	3 x 4 mm	9		34	7	5	10		M 7 x 0,5	blank	20KAKO04MPX
	3 x 4 mm	9		34	7	5	10		M 7 x 0,5	nickel plated	20KAKO04MPN
	3 x 5 mm	9		34	7	5	10		M 7 x 0,5	blank	20KAKO05MPX
	3 x 5 mm	9		34	7	5	10		M 7 x 0,5	nickel plated	20KAKO05MPN
	4 x 6 mm	9		34	7	5	10		M 8 x 0,5	blank	20KAKO06MPX
	4 x 6 mm	9		34	7	5	10		M 8 x 0,5	nickel plated	20KAKO06MPN
 Panel Mount with Plastic Hose Connection	3 x 4 mm	12	11	45	7	17	10	3	M 7 x 0,5	blank	20KAKS04MPX
	3 x 4 mm	12	11	45	7	17	10	3	M 7 x 0,5	nickel plated	20KAKS04MPN
	3 x 5 mm	12	11	45	7	17	10	3	M 7 x 0,5	blank	20KAKS05MPX
	3 x 5 mm	12	11	45	7	17	10	3	M 7 x 0,5	nickel plated	20KAKS05MPN
	4 x 6 mm	12	11	45	7	12	10	3	M 8 x 0,5	blank	20KAKS06MPX
	4 x 6 mm	12	11	45	7	12	10	3	M 8 x 0,5	nickel plated	20KAKS06MPN
 Panel Mount with Hose Barb	3 mm	12	11	51	13	17	10	3	M 7 x 0,5	blank	20KATS03MPX
	3 mm	12	11	51	13	17	10	3	M 7 x 0,5	nickel plated	20KATS03MPN
	4 mm	12	11	51	13	17	10	3	M 7 x 0,5	blank	20KATS04MPX
	4 mm	12	11	51	13	17	10	3	M 7 x 0,5	nickel plated	20KATS04MPN
 Push-In	4 mm	10		35			10			nickel plated	20KARP04MPN

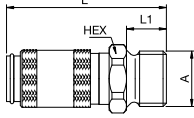
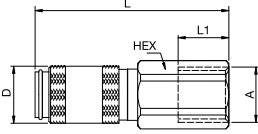
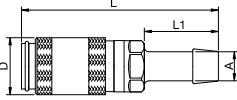
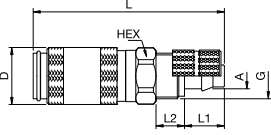
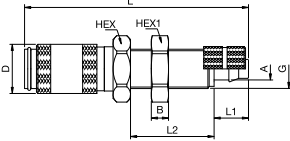
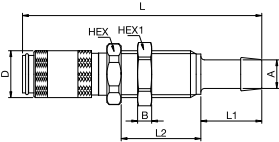


Plugs – without valve

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					blank	20SFAM05MXX
	M 5	7		18	5					nickel plated	20SFAM05MXN
	G 1/8	11		20	7					blank	20SFAW10MXX
	G 1/8	11		20	7					nickel plated	20SFAW10MXN
 <p>Female Thread</p>	M 5	7		17	5					blank	20SFIM05MXX
	M 5	7		17	5					nickel plated	20SFIM05MXN
	G 1/8	12		19	7					blank	20SFIW10MXX
	G 1/8	12		19	7					nickel plated	20SFIW10MXN
 <p>Hose Barb</p>	3 mm			24	13		7			blank	20SFTF03MXX
	3 mm			24	13		7			nickel plated	20SFTF03MXN
	4 mm			24	13		7			blank	20SFTF04MXX
	4 mm			24	13		7			nickel plated	20SFTF04MXN
	5 mm			22	13		9			blank	20SFTF05MXX
	5 mm			22	13		9			nickel plated	20SFTF05MXN
 <p>with Plastic Hose Connection</p>	3 x 4 mm	7		25	7	5			M 7 x 0,5	blank	20SFKO04MXX
	3 x 4 mm	7		25	7	5			M 7 x 0,5	nickel plated	20SFKO04MXN
	3 x 5 mm	7		25	7	5			M 7 x 0,5	blank	20SFKO05MXX
	3 x 5 mm	7		25	7	5			M 7 x 0,5	nickel plated	20SFKO05MXN
	4 x 6 mm	8		25	7	5			M 8 x 0,5	blank	20SFKO06MXX
	4 x 6 mm	8		25	7	5			M 8 x 0,5	nickel plated	20SFKO06MXN
 <p>Panel Mount with Plastic Hose Connection</p>	3 x 4 mm	11	11	38	7	17		3	M 7 x 0,5	blank	20SFKS04MXX
	3 x 4 mm	11	11	38	7	17		3	M 7 x 0,5	nickel plated	20SFKS04MXN
	3 x 5 mm	11	11	38	7	17		3	M 7 x 0,5	blank	20SFKS05MXX
	3 x 5 mm	11	11	38	7	17		3	M 7 x 0,5	nickel plated	20SFKS05MXN
	4 x 6 mm	12	12	38	7	17		3	M 8 x 0,5	blank	20SFKS06MXX
	4 x 6 mm	12	12	38	7	17		3	M 8 x 0,5	nickel plated	20SFKS06MXN
 <p>Panel Mount with Hose Barb</p>	3 mm	12	11	45	13	18		3,5	M 7 x 0,5	blank	20SFTS03MXX
	3 mm	12	11	45	13	18		3,5	M 7 x 0,5	nickel plated	20SFTS03MXN
	4 mm	12	11	45	13	17		3	M 7 x 0,5	blank	20SFTS04MXX
	4 mm	12	11	45	13	17		3	M 7 x 0,5	nickel plated	20SFTS04MXN
 <p>Push-In</p>	4 mm	10		35			10			nickel plated	20SFRP04MPN

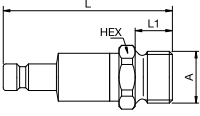
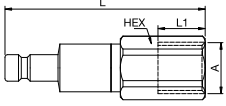
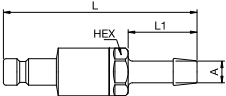
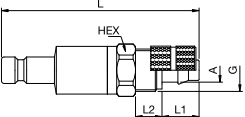
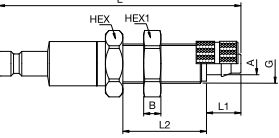
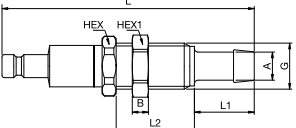


	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	M 5	9		26	5		10			blank	20KBAM05MPX
	M 5	9		26	5		10			nickel plated	20KBAM05MPN
	G 1/8	11		28	7		10			blank	20KBAW10MPX
	G 1/8	11		28	7		10			nickel plated	20KBAW10MPN
 <p>Female Thread</p>	M 5	9		26	5		10			blank	20KBIM05MPX
	M 5	9		26	5		10			nickel plated	20KBIM05MPN
	G 1/8	12		28	7		10			blank	20KBIW10MPX
	G 1/8	12		28	7		10			nickel plated	20KBIW10MPN
 <p>Hose Barb</p>	3 mm			35	13		10			blank	20KBTF03MPX
	3 mm			35	13		10			nickel plated	20KBTF03MPN
	4 mm			35	13		10			blank	20KBTF04MPX
	4 mm			35	13		10			nickel plated	20KBTF04MPN
	5 mm			34	13		10			blank	20KBTF05MPX
	5 mm			34	13		10			nickel plated	20KBTF05MPN
 <p>with Plastic Hose Connection</p>	3 x 4 mm	9		34	7	5	10		M 7 x 0,5	blank	20KBKO04MPX
	3 x 4 mm	9		34	7	5	10		M 7 x 0,5	nickel plated	20KBKO04MPN
	3 x 5 mm	9		34	7	5	10		M 7 x 0,5	blank	20KBKO05MPX
	3 x 5 mm	9		34	7	5	10		M 7 x 0,5	nickel plated	20KBKO05MPN
	4 x 6 mm	9		34	7	5	10		M 8 x 0,5	blank	20KBKO06MPX
	4 x 6 mm	9		34	7	5	10		M 8 x 0,5	nickel plated	20KBKO06MPN
 <p>Panel Mount with Plastic Hose Connection</p>	3 x 4 mm	12	11	45	7	17	10	3	M 7 x 0,5	blank	20KBKS04MPX
	3 x 4 mm	12	11	45	7	17	10	3	M 7 x 0,5	nickel plated	20KBKS04MPN
	3 x 5 mm	12	11	45	7	17	10	3	M 7 x 0,5	blank	20KBKS05MPX
	3 x 5 mm	12	11	45	7	17	10	3	M 7 x 0,5	nickel plated	20KBKS05MPN
	4 x 6 mm	12	12	45	7	17	10	3,5	M 8 x 0,5	blank	20KBKS06MPX
	4 x 6 mm	12	12	45	7	17	10	3,5	M 8 x 0,5	nickel plated	20KBKS06MPN
 <p>Panel Mount with Hose Barb</p>	3 mm	12	11	51	13	17	10	3	M 7 x 0,5	blank	20KBTS03MPX
	3 mm	12	11	51	13	17	10	3	M 7 x 0,5	nickel plated	20KBTS03MPN
	4 mm	12	11	51	13	17	10	3	M 7 x 0,5	blank	20KBTS04MPX
	4 mm	12	11	51	13	17	10	3	M 7 x 0,5	nickel plated	20KBTS04MPN



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					blank	20SBAM05MPX
	M 5	9		28	5					nickel plated	20SBAM05MPN
	G 1/8	11		30	7					blank	20SBAW10MPX
	G 1/8	11		30	7					nickel plated	20SBAW10MPN
 <p>Female Thread</p>	M 5	9		26	5					blank	20SBIM05MPX
	M 5	9		26	5					nickel plated	20SBIM05MPN
	G 1/8	12		30	7					blank	20SBIW10MPX
	G 1/8	12		30	7					nickel plated	20SBIW10MPN
 <p>Hose Barb</p>	3 mm	8		36	13					blank	20SBTF03MPX
	3 mm	8		36	13					nickel plated	20SBTF03MPN
	4 mm	8		36	13					blank	20SBTF04MPX
	4 mm	8		36	13					nickel plated	20SBTF04MPN
	5 mm	8		36	13					blank	20SBTF05MPX
	5 mm	8		36	13					nickel plated	20SBTF05MPN
 <p>with Plastic Hose Connection</p>	3 x 4 mm	9		30,5	7	5			M 7 x 0,5	blank	20SBKO04MPX
	3 x 4 mm	9		30,5	7	5			M 7 x 0,5	nickel plated	20SBKO04MPN
	3 x 5 mm	9		30,5	7	5			M 7 x 0,5	blank	20SBKO05MPX
	3 x 5 mm	9		30,5	7	5			M 7 x 0,5	nickel plated	20SBKO05MPN
	4 x 6 mm	9		30,5	7	5			M 8 x 0,5	blank	20SBKO06MPX
	4 x 6 mm	9		30,5	7	5			M 8 x 0,5	nickel plated	20SBKO06MPN
 <p>Panel Mount with Plastic Hose Connection</p>	3 x 4 mm	12	11	46,5	7	17		3	M 7 x 0,5	blank	20SBKS04MPX
	3 x 4 mm	12	11	46,5	7	17		3	M 7 x 0,5	nickel plated	20SBKS04MPN
	3 x 5 mm	12	11	46,5	7	17		3	M 7 x 0,5	blank	20SBKS05MPX
	3 x 5 mm	12	11	46,5	7	17		3	M 7 x 0,5	nickel plated	20SBKS05MPN
	4 x 6 mm	12	12	46,5	7	17		3,5	M 8 x 0,5	blank	20SBKS06MPX
	4 x 6 mm	12	12	46,5	7	17		3,5	M 8 x 0,5	nickel plated	20SBKS06MPN
 <p>Panel Mount with Hose Barb</p>	3 mm	12	11	52,5	13	17		3	M 7 x 0,5	blank	20SBTS03MPX
	3 mm	12	11	52,5	13	17		3	M 7 x 0,5	nickel plated	20SBTS03MPN
	4 mm	12	11	52,5	13	17		3	M 7 x 0,5	blank	20SBTS04MPX
	4 mm	12	11	52,5	13	17		3	M 7 x 0,5	nickel plated	20SBTS04MPN

5 = 20 mm²**17**

Brass/steel industrial coupling with English profile specifically suited to compressed air applications in industry.

Coupling system with single-hand operation. High Flow valve for optimum flow and low pressure drop. Versatile due to slim design and light weight.

Series 17 with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass nickel plated,
Steel zinc plated

Plug: Steel nickel plated

Seals: NBR

Technical Description

Connecting Force 0 bar: 35 N

Connecting Force 6 bar: 115 N

Vacuum Coupling: 96%

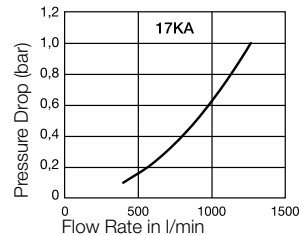
Vacuum connected: 96%

Interchangeability (KA only)

- Schrader DN 5

Flow diagrams

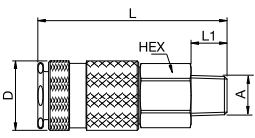
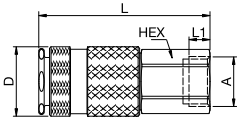
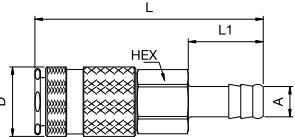
Air





Couplings – with valve

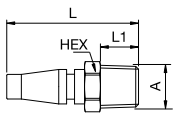
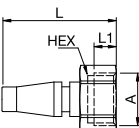
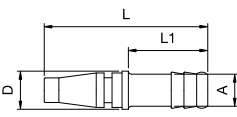
Series 17KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	19	63	12	23	17KAAK13SPN
	R 3/8	19	62	12	23	17KAAK17SPN
	R 1/2	22	63	17	23	17KAAK21SPN
 <p>Female Thread</p>	G 1/4	19	58	9	23	17KAIW13SPN
	G 3/8	19	57	9	23	17KAIW17SPN
	G 1/2	24	60	12	23	17KAIW21SPN
 <p>Hose Barb</p>	6 mm	19	76	25	23	17KATF06SPN
	8 mm	19	76	25	23	17KATF08SPN
	10 mm	19	76	25	23	17KATF10SPN
	13 mm	19	76	25	23	17KATF13SPN



Plugs – without valve

Series 17KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/8	11	37	9		17SFAK10SXN
	R 1/4	14	42	12		17SFAK13SXN
 <p>Female Thread</p>	G 1/8	14	33	7		17SFIW10SXN
	G 1/4	17	36	9		17SFIW13SXN
 <p>Hose Barb</p>	6 mm		58	25	12	17SFTF06SXN
	8 mm		52	25	12	17SFTF08SXN
	10 mm		52	25	12	17SFTF10SXN



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*
-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.




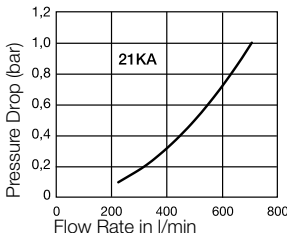
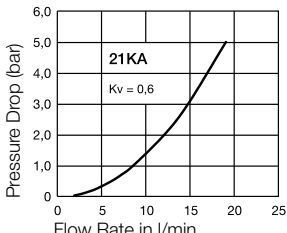
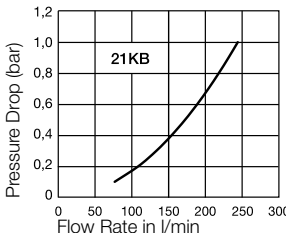
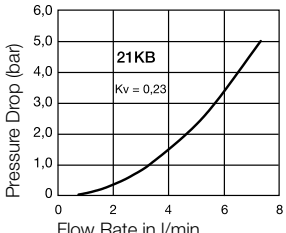
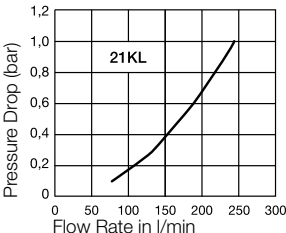
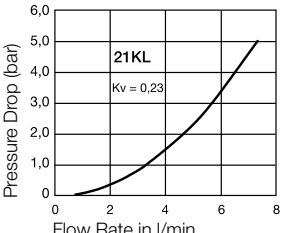
Other designs in series 21

The following other designs can be found from page:

- ▶ Stainless Steel P. 140
- ▶ 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
<p>Working Pressure** 35 bar ** maximum static working pressure with design factor 4 to 1.</p>	<p>35 bar</p>	<p>8 bar</p>
<p>Features</p> <ul style="list-style-type: none"> • Minimal, almost imperceptible leakage when uncoupling • No air locked into the system during the coupling process 		
<p>Material Coupling: Brass Plug: Brass Seals: NBR</p>		
<p>Technical Description Connecting Force 0 bar: 35 N Connecting Force 6 bar: 60 N</p> <p>Vacuum Coupling: 96% Vacuum connected: 96%</p>		
<p>Flow diagrams</p> <p>Air</p>  <p>Water</p> 	<p>Flow diagrams</p> <p>Air</p>  <p>Water</p> 	<p>Flow diagrams</p> <p>Air</p>  <p>Water</p> 
<p>Dead space volume: 0,6 ml</p> <p>Connecting Force 0 bar: 40 N Connecting Force 6 bar: 80 N</p> <p>Vacuum Coupling: 96% Vacuum Plug: 96% Vacuum connected: 96%</p>	<p>Dead space volume: 0,0006 ml</p> <p>Connecting Force 0 bar: 35 N Connecting Force 6 bar: 60 N</p> <p>Vacuum Coupling: 96% Vacuum Plug: 96% Vacuum connected: 96%</p>	<p>Dead space volume: 0,0006 ml</p> <p>Connecting Force 0 bar: 35 N Connecting Force 6 bar: 60 N</p> <p>Vacuum Coupling: 96% Vacuum Plug: 96% Vacuum connected: 96%</p>



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>Male Thread</p>	G 1/8	14		36	7		16			blank	21KAAW10MPX
	G 1/8	14		36	7		16			nickel plated	21KAAW10MPN
	G 1/4	17		38	9		16			blank	21KAAW13MPX
	G 1/4	17		38	9		16			nickel plated	21KAAW13MPN
	G 3/8	19		38	9		16			blank	21KAAW17MPX
	G 3/8	19		38	9		16			nickel plated	21KAAW17MPN
	M 12 x 1,5	17		39	10		16			blank	21KAAD12MPX
	M 12 x 1,5	17		39	10		16			nickel plated	21KAAD12MPN
	M 14 x 1,5	17		39	10		16			blank	21KAAD14MPX
	M 14 x 1,5	17		39	10		16			nickel plated	21KAAD14MPN
<p>Female Thread</p>	G 1/8	14		36	9		16			blank	21KAIW10MPX
	G 1/8	14		36	9		16			nickel plated	21KAIW10MPN
	G 1/4	17		38	9		16			blank	21KAIW13MPX
	G 1/4	17		38	9		16			nickel plated	21KAIW13MPN
	G 3/8	19		38	9		16			blank	21KAIW17MPX
	G 3/8	19		38	9		16			nickel plated	21KAIW17MPN
	M 12 x 1,5	17		38	6		16			blank	21KAIM12MPX
	M 12 x 1,5	17		38	6		16			nickel plated	21KAIM12MPN
	M 14 x 1,5	17		38	6		16			blank	21KAIM14MPX
	M 14 x 1,5	17		38	6		16			nickel plated	21KAIM14MPN
<p>Hose Barb</p>	4 mm	14		46	17		16			blank	21KATF04MPX
	4 mm	14		46	17		16			nickel plated	21KATF04MPN
	6 mm	14		46	17		16			blank	21KATF06MPX
	6 mm	14		46	17		16			nickel plated	21KATF06MPN
	8 mm	14		46	17		16			blank	21KATF08MPX
	8 mm	14		46	17		16			nickel plated	21KATF08MPN
	9 mm	14		46	17		16			blank	21KATF09MPX
	9 mm	14		46	17		16			nickel plated	21KATF09MPN
	10 mm	14		46	17		16			blank	21KATF10MPX
	10 mm	14		46	17		16			nickel plated	21KATF10MPN
<p>with Plastic Hose Connection</p>	4 x 6 mm	14		42	7	6	16	M 10 x 1		blank	21KAKO06MPX
	4 x 6 mm	14		42	7	6	16	M 10 x 1		nickel plated	21KAKO06MPN
	6 x 8 mm	14		42	7	6	16	M 12 x 1		blank	21KAKO08MPX
	6 x 8 mm	14		42	7	6	16	M 12 x 1		nickel plated	21KAKO08MPN



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	blank	21KAKS06MPX
	4 x 6 mm	14	12	54	7	18	16	3	M 10 x 1	nickel plated	21KAKS06MPN
	6 x 8 mm	17	17	54	7	18	16	4	M 12 x 1	blank	21KAKS08MPX
	6 x 8 mm	17	17	54	7	18	16	4	M 12 x 1	nickel plated	21KAKS08MPN
<p>Panel Mount with Hose Barb</p>	4 mm	12	12	60	17	14	16	4	M 10 x 1	blank	21KATS04MPX
	4 mm	12	12	60	17	14	16	4	M 10 x 1	nickel plated	21KATS04MPN
	5 mm	17	17	60	17	14	16	4	M 12 x 1	blank	21KATS05MPX
	5 mm	17	17	60	17	14	16	4	M 12 x 1	nickel plated	21KATS05MPN
	6 mm	17	17	60	17	14	16	4	M 12 x 1	blank	21KATS06MPX
	6 mm	17	17	60	17	14	16	4	M 12 x 1	nickel plated	21KATS06MPN
	8 mm	17	17	60	17	14	16	4	M 12 x 1	blank	21KATS08MPX
	8 mm	17	17	60	17	14	16	4	M 12 x 1	nickel plated	21KATS08MPN
	9 mm	17	19	60	17	14	16	4	M 14 x 1	blank	21KATS09MPX
	9 mm	17	19	60	17	14	16	4	M 14 x 1	nickel plated	21KATS09MPN
	10 mm	17	19	60	17	14	16	4	M 14 x 1	blank	21KATS10MPX
	10 mm	17	19	60	17	14	16	4	M 14 x 1	nickel plated	21KATS10MPN
<p>Plastic Hose Connection with Spring Guard</p>	4 x 6 mm	14		125	7	6	16		M 10 x 1	blank	21KAKK06MPX
	4 x 6 mm	14		125	7	6	16		M 10 x 1	nickel plated	21KAKK06MPN
	6 x 8 mm	14		130	7	6	16		M 10 x 1	blank	21KAKK08MPX
	6 x 8 mm	14		130	7	6	16		M 10 x 1	nickel plated	21KAKK08MPN

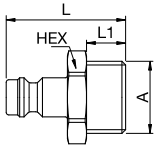
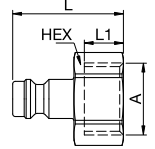
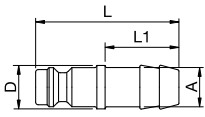


Plugs – without valve

Series 21KA

Brass/Steel

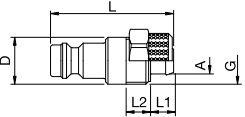
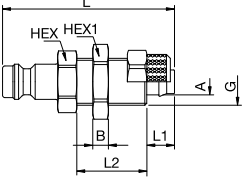
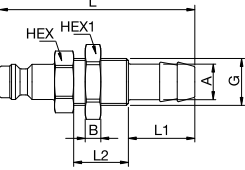
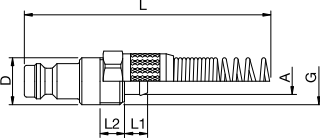
Low Pressure

	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					blank	21SFAW10MXX
	G 1/8	14		25	7					nickel plated	21SFAW10MXN
	G 1/4	17		28	9					blank	21SFAW13MXX
	G 1/4	17		28	9					nickel plated	21SFAW13MXN
	G 3/8	19		28	9					blank	21SFAW17MXX
	G 3/8	19		28	9					nickel plated	21SFAW17MXN
	M 10 x 1	14		26	8					blank	21SFAD10MXX
	M 10 x 1	14		26	8					nickel plated	21SFAD10MXN
	M 12 x 1,5	17		28	10					blank	21SFAD12MXX
	M 12 x 1,5	17		28	10					nickel plated	21SFAD12MXN
 <p>Female Thread</p>	G 1/8	14		25	8					blank	21SFIW10MXX
	G 1/8	14		25	8					nickel plated	21SFIW10MXN
	G 1/4	17		25	9					blank	21SFIW13MXX
	G 1/4	17		25	9					nickel plated	21SFIW13MXN
	G 3/8	19		26	9					blank	21SFIW17MXX
	G 3/8	19		26	9					nickel plated	21SFIW17MXN
	M 10 x 1	14		26	9					blank	21SFIM10MXX
	M 10 x 1	14		26	9					nickel plated	21SFIM10MXN
	M 12 x 1,5	17		27	10					blank	21SFIM12MXX
	M 12 x 1,5	17		27	10					nickel plated	21SFIM12MXN
 <p>Hose Barb</p>	4 mm			32	17		9			blank	21SFTF04MXX
	4 mm			32	17		9			nickel plated	21SFTF04MXN
	5 mm			32	17		9			blank	21SFTF05MXX
	5 mm			32	17		9			nickel plated	21SFTF05MXN
	6 mm			32	17		9			blank	21SFTF06MXX
	6 mm			32	17		9			nickel plated	21SFTF06MXN
	8 mm			32	17		9			blank	21SFTF08MXX
	8 mm			32	17		9			nickel plated	21SFTF08MXN
	9 mm			33	17		10			blank	21SFTF09MXX
	9 mm			33	17		10			nickel plated	21SFTF09MXN
10 mm			33	17		12			blank	21SFTF10MXX	
10 mm			33	17		12			nickel plated	21SFTF10MXN	
6 mm Parker			36	20		16			blank	21SFTP06MXX	
6 mm Parker			36	20		16			nickel plated	21SFTP06MXN	

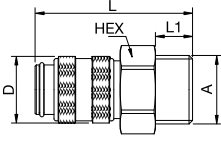
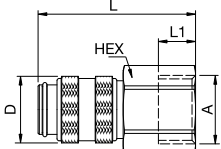
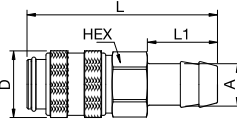
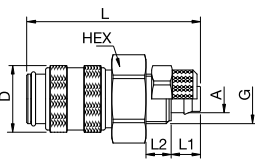


Plugs – without valve

Series 21KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>with Plastic Hose Connection</p>	4 x 6 mm			32	6	6	10		M 10 x 1	blank	21SFKO06MXX
	4 x 6 mm			32	6	6	10		M 10 x 1	nickel plated	21SFKO06MXN
	6 x 8 mm			32	6	6	12		M 12 x 1	blank	21SFKO08MXX
	6 x 8 mm			32	6	6	12		M 12 x 1	nickel plated	21SFKO08MXN
 <p>Panel Mount with Plastic Hose Connection</p>	4 x 6 mm	14	12	43	7	18		3	M 10 x 1	blank	21SFKS06MXX
	4 x 6 mm	14	12	43	7	18		3	M 10 x 1	nickel plated	21SFKS06MXN
	6 x 8 mm	14	17	44	7	18		4	M 12 x 1	blank	21SFKS08MXX
	6 x 8 mm	14	17	44	7	18		4	M 12 x 1	nickel plated	21SFKS08MXN
 <p>Panel Mount with Hose Barb</p>	4 mm	14	14	50	17	14		4	M 10 x 1	blank	21SFTS04MXX
	4 mm	14	14	50	17	14		4	M 10 x 1	nickel plated	21SFTS04MXN
	6 mm	14	17	50	17	14		4	M 12 x 1	blank	21SFTS06MXX
	6 mm	14	17	50	17	14		4	M 12 x 1	nickel plated	21SFTS06MXN
	8 mm	14	17	50	17	14		4	M 12 x 1	blank	21SFTS08MXX
	8 mm	14	17	50	17	14		4	M 12 x 1	nickel plated	21SFTS08MXN
 <p>Plastic Hose Connection with Spring Guard</p>	4 x 6 mm			115	6	6	10		M 10 x 1	blank	21SFKK06MXX
	4 x 6 mm			115	6	6	10		M 10 x 1	nickel plated	21SFKK06MXN
	6 x 8 mm			120	6	6	12		M 12 x 1	blank	21SFKK08MXX
	6 x 8 mm			120	6	6	12		M 12 x 1	nickel plated	21SFKK08MXN



	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			blank	21KBAW10MPX
	G 1/8	14		36	7		16			nickel plated	21KBAW10MPN
	G 1/4	17		38	9		16			blank	21KBAW13MPX
	G 1/4	17		38	9		16			nickel plated	21KBAW13MPN
	G 3/8	19		38	9		16			blank	21KBAW17MPX
	G 3/8	19		38	9		16			nickel plated	21KBAW17MPN
	M 10 x 1	14		37	8		16			blank	21KBAD10MPX
	M 10 x 1	14		37	8		16			nickel plated	21KBAD10MPN
	M 12 x 1,5	17		39	10		16			blank	21KBAD12MPX
	M 12 x 1,5	17		39	10		16			nickel plated	21KBAD12MPN
	M 14 x 1,5	17		39	10		16			blank	21KBAD14MPX
	M 14 x 1,5	17		39	10		16			nickel plated	21KBAD14MPN
 <p>Female Thread</p>	G 1/8	14		36	9		16			blank	21KBIW10MPX
	G 1/8	14		36	9		16			nickel plated	21KBIW10MPN
	G 1/4	17		38	9		16			blank	21KBIW13MPX
	G 1/4	17		38	9		16			nickel plated	21KBIW13MPN
	G 3/8	19		38	9		16			blank	21KBIW17MPX
	G 3/8	19		38	9		16			nickel plated	21KBIW17MPN
	M 12 x 1,5	17		38	6		16			blank	21KBIM12MPX
	M 12 x 1,5	17		38	6		16			nickel plated	21KBIM12MPN
 <p>Hose Barb</p>	4 mm	14		46	17		16			blank	21KBTF04MPX
	4 mm	14		46	17		16			nickel plated	21KBTF04MPN
	5 mm	14		46	17		16			blank	21KBTF05MPX
	5 mm	14		46	17		16			nickel plated	21KBTF05MPN
	6 mm	14		46	17		16			blank	21KBTF06MPX
	6 mm	14		46	17		16			nickel plated	21KBTF06MPN
	8 mm	14		46	17		16			blank	21KBTF08MPX
	8 mm	14		46	17		16			nickel plated	21KBTF08MPN
	9 mm	14		46	17		16			blank	21KBTF09MPX
	9 mm	14		46	17		16			nickel plated	21KBTF09MPN
	10 mm	14		46	17		16			blank	21KBTF10MPX
	10 mm	14		46	17		16			nickel plated	21KBTF10MPN
 <p>with Plastic Hose Connection</p>	4 x 6 mm	14		42	7	6	16		M 10 x 1	blank	21KBKO06MPX
	4 x 6 mm	14		42	7	6	16		M 10 x 1	nickel plated	21KBKO06MPN
	6 x 8 mm	14		42	7	6	16		M 12 x 1	blank	21KBKO08MPX
	6 x 8 mm	14		42	7	6	16		M 12 x 1	nickel plated	21KBKO08MPN

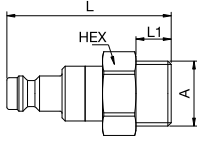
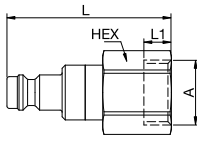
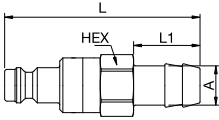
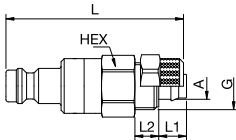


Couplings – with valve

Series 21KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
<p>Panel Mount with Plastic Hose Connection</p>	4 x 6 mm	14	14	54	7	18	16	4	M 10 x 1	blank	21KBKS06MPX
	4 x 6 mm	14	14	54	7	18	16	4	M 10 x 1	nickel plated	21KBKS06MPN
	6 x 8 mm	17	17	54	7	18	16	4	M 12 x 1	blank	21KBKS08MPX
	6 x 8 mm	17	17	54	7	18	16	4	M 12 x 1	nickel plated	21KBKS08MPN
<p>Panel Mount with Hose Barb</p>	4 mm	14	14	60	17	14	16	4	M 10 x 1	blank	21KBTS04MPX
	4 mm	14	14	60	17	14	16	4	M 10 x 1	nickel plated	21KBTS04MPN
	5 mm	17	17	60	17	14	16	4	M 12 x 1	blank	21KBTS05MPX
	5 mm	17	17	60	17	14	16	4	M 12 x 1	nickel plated	21KBTS05MPN
	6 mm	17	17	60	17	14	16	4	M 12 x 1	blank	21KBTS06MPX
	6 mm	17	17	60	17	14	16	4	M 12 x 1	nickel plated	21KBTS06MPN
	8 mm	17	17	60	17	14	16	4	M 12 x 1	blank	21KBTS08MPX
	8 mm	17	17	60	17	14	16	4	M 12 x 1	nickel plated	21KBTS08MPN
	9 mm	17	19	60	17	14	16	4	M 12 x 1	blank	21KBTS09MPX
9 mm	17	19	60	17	14	16	4	M 12 x 1	nickel plated	21KBTS09MPN	
<p>Plastic Hose Connection with Spring Guard</p>	4 x 6 mm	14		125	7	6	16		M 10 x 1	blank	21KBKK06MPX
	4 x 6 mm	14		125	7	6	16		M 10 x 1	nickel plated	21KBKK06MPN
	M 12 x 1	14		130	7	6	16		M 10 x 1	blank	21KBKK08MPX
	M 12 x 1	14		130	7	6	16		M 10 x 1	nickel plated	21KBKK08MPN

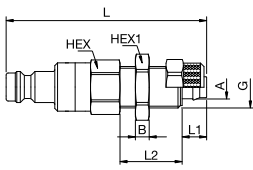
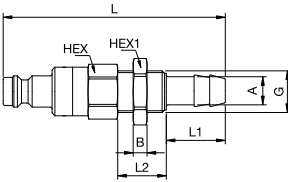
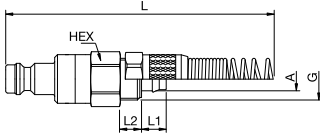


	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number	
 <p>Male Thread</p>	G 1/8	14		40	7					blank	21SBAW10MPX	
	G 1/8	14		40	7					nickel plated	21SBAW10MPN	
	G 1/4	17		42	9					blank	21SBAW13MPX	
	G 1/4	17		42	9					nickel plated	21SBAW13MPN	
	G 3/8	19		42	9					blank	21SBAW17MPX	
	G 3/8	19		42	9					nickel plated	21SBAW17MPN	
	M 10 x 1	14		41	8					blank	21SBAD10MPX	
	M 10 x 1	14		41	8					nickel plated	21SBAD10MPN	
	M 12 x 1,5	17		43	10					blank	21SBAD12MPX	
	M 12 x 1,5	17		43	10					nickel plated	21SBAD12MPN	
	M 14 x 1,5	17		43	10					blank	21SBAD14MPX	
	M 14 x 1,5	17		43	10					nickel plated	21SBAD14MPN	
 <p>Female Thread</p>	G 1/8	14		40	7					blank	21SBIW10MPX	
	G 1/8	14		40	7					nickel plated	21SBIW10MPN	
	G 1/4	17		42	7					blank	21SBIW13MPX	
	G 1/4	17		42	7					nickel plated	21SBIW13MPN	
	G 3/8	19		42	7					blank	21SBIW17MPX	
	G 3/8	19		42	7					nickel plated	21SBIW17MPN	
	M 12 x 1,5	17		42	7					blank	21SBIM12MPX	
	M 12 x 1,5	17		42	7					nickel plated	21SBIM12MPN	
	M 14 x 1,5	17		42	7					blank	21SBIM14MPX	
	M 14 x 1,5	17		42	7					nickel plated	21SBIM14MPN	
	 <p>Hose Barb</p>	4 mm	14		50	17					blank	21SBTF04MPX
		4 mm	14		50	17					nickel plated	21SBTF04MPN
5 mm		14		50	17					blank	21SBTF05MPX	
5 mm		14		50	17					nickel plated	21SBTF05MPN	
6 mm		14		50	17					blank	21SBTF06MPX	
6 mm		14		50	17					nickel plated	21SBTF06MPN	
8 mm		14		50	17					blank	21SBTF08MPX	
8 mm		14		50	17					nickel plated	21SBTF08MPN	
9 mm		14		50	17					blank	21SBTF09MPX	
9 mm		14		50	17					nickel plated	21SBTF09MPN	
10 mm		14		50	17					blank	21SBTF10MPX	
10 mm		14		50	17					nickel plated	21SBTF10MPN	
 <p>with Plastic Hose Connection</p>	4 x 6 mm	14		46	7	6			M 10 x 1	blank	21SBKO06MPX	
	4 x 6 mm	14		46	7	6			M 10 x 1	nickel plated	21SBKO06MPN	
	6 x 8 mm	14		46	7	6			M 12 x 1	blank	21SBKO08MPX	
	6 x 8 mm	14		46	7	6			M 12 x 1	nickel plated	21SBKO08MPN	

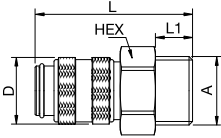
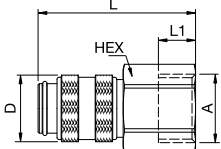
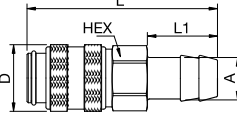
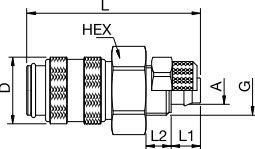
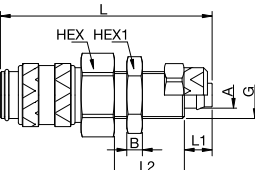


Plugs – with valve

Series 21KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Panel Mount with Plastic Hose Connection</p>	4 x 6 mm	14	12	58	7	18		3	M 10 x 1	blank	21SBKS06MPX
	4 x 6 mm	14	12	58	7	18		3	M 10 x 1	nickel plated	21SBKS06MPN
	6 x 8 mm	17	17	58	7	18		4	M 12 x 1	blank	21SBKS08MPX
	6 x 8 mm	17	17	58	7	18		4	M 12 x 1	nickel plated	21SBKS08MPN
 <p>Panel Mount with Hose Barb</p>	4 mm	14	14	64	17	14		4	M 10 x 1	blank	21SBTS04MPX
	4 mm	14	14	64	17	14		4	M 10 x 1	nickel plated	21SBTS04MPN
	6 mm	14	17	64	17	14		4	M 12 x 1	blank	21SBTS06MPX
	6 mm	14	17	64	17	14		4	M 12 x 1	nickel plated	21SBTS06MPN
	8 mm	14	17	64	17	14		4	M 12 x 1	blank	21SBTS08MPX
	8 mm	14	17	64	17	14		4	M 12 x 1	nickel plated	21SBTS08MPN
	10 mm	14	19	64	17	14		4	M 14 x 1	blank	21SBTS10MPX
	10 mm	14	19	64	17	14		4	M 14 x 1	nickel plated	21SBTS10MPN
 <p>Plastic Hose Connection with Spring Guard</p>	4 x 6 mm	14		130	7	6			M 10 x 1	blank	21SBKK06MPX
	4 x 6 mm	14		130	7	6			M 10 x 1	nickel plated	21SBKK06MPN
	6 x 8 mm	14		135	7	6			M 12 x 1	blank	21SBKK08MPX
	6 x 8 mm	14		135	7	6			M 12 x 1	nickel plated	21SBKK08MPN

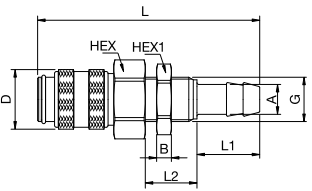
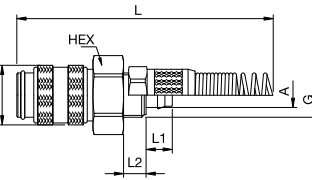


	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/8	14		36	7		16			blank	21KLAW10MPX
	G 1/8	14		36	7		16			nickel plated	21KLAW10MPN
	G 1/4	17		38	9		16			blank	21KLAW13MPX
	G 1/4	17		38	9		16			nickel plated	21KLAW13MPN
	G 3/8	19		38	9		16			blank	21KLAW17MPX
	G 3/8	19		38	9		16			nickel plated	21KLAW17MPN
 <p>Female Thread</p>	G 1/8	14		36	9		16			blank	21KLIW10MPX
	G 1/8	14		36	9		16			nickel plated	21KLIW10MPN
	G 1/4	17		38	9		16			blank	21KLIW13MPX
	G 1/4	17		38	9		16			nickel plated	21KLIW13MPN
	G 3/8	19		38	9		16			blank	21KLIW17MPX
	G 3/8	19		38	9		16			nickel plated	21KLIW17MPN
	M 14 x 1,5	17		38	6		16			blank	21KLIM14MPX
M 14 x 1,5	17		38	6		16			nickel plated	21KLIM14MPN	
 <p>Hose Barb</p>	4 mm	14		46	17		16			blank	21KLTF04MPX
	4 mm	14		46	17		16			nickel plated	21KLTF04MPN
	6 mm	14		46	17		16			blank	21KLTF06MPX
	6 mm	14		46	17		16			nickel plated	21KLTF06MPN
	8 mm	14		46	17		16			blank	21KLTF08MPX
	8 mm	14		46	17		16			nickel plated	21KLTF08MPN
	9 mm	14		46	17		16			blank	21KLTF09MPX
	9 mm	14		46	17		16			nickel plated	21KLTF09MPN
	10 mm	14		46	17		16			blank	21KLTF10MPX
	10 mm	14		46	17		16			nickel plated	21KLTF10MPN
 <p>with Plastic Hose Connection</p>	4 x 6 mm	14		42	7	6	16		M 10 x 1	blank	21KLKO06MPX
	4 x 6 mm	14		42	7	6	16		M 10 x 1	nickel plated	21KLKO06MPN
	6 x 8 mm	14		42	7	6	16		M 12 x 1	blank	21KLKO08MPX
	6 x 8 mm	14		42	7	6	16		M 12 x 1	nickel plated	21KLKO08MPN
 <p>Panel Mount with Plastic Hose Connection</p>	4 x 6 mm	14	14	54	7	18	16		M 10 x 1	blank	21KLKS06MPX
	4 x 6 mm	14	14	54	7	18	16		M 10 x 1	nickel plated	21KLKS06MPN
	6 x 8 mm	17	17	54	7	18	16		M 12 x 1	blank	21KLKS08MPX
	6 x 8 mm	17	17	54	7	18	16		M 12 x 1	nickel plated	21KLKS08MPN



Couplings – flat sealing

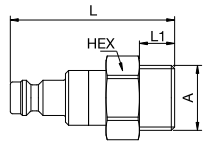
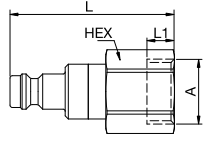
Series 21KL

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Panel Mount with Hose Barb</p>	4 mm	14	14	60	17	14	16	4	M 10 x 1	blank	21KLTS04MPX
	4 mm	14	14	60	17	14	16	4	M 10 x 1	nickel plated	21KLTS04MPN
	5 mm	17	17	60	17	14	16	4	M 12 x 1	blank	21KLTS05MPX
	5 mm	17	17	60	17	14	16	4	M 12 x 1	nickel plated	21KLTS05MPN
	6 mm	17	17	60	17	14	16	4	M 12 x 1	blank	21KLTS06MPX
	8 mm	17	17	60	17	14	16	4	M 12 x 1	blank	21KLTS08MPX
	8 mm	17	17	60	17	14	16	4	M 12 x 1	nickel plated	21KLTS08MPN
 <p>Plastic Hose Connection with Spring Guard</p>	4 x 6 mm	14		125	7	6	16		M 10 x 1	blank	21KLKK06MPX
	4 x 6 mm	14		125	7	6	16		M 10 x 1	nickel plated	21KLKK06MPN
	6 x 8 mm	14		130	7	6	16		M 10 x 1	blank	21KLKK08MPX
	6 x 8 mm	14		130	7	6	16		M 10 x 1	nickel plated	21KLKK08MPN

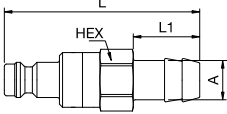
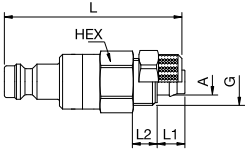
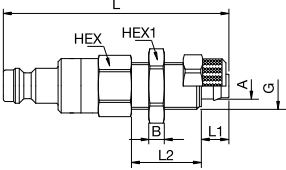
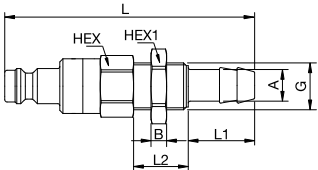
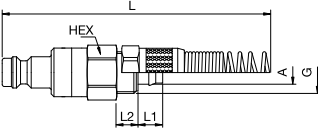


Plugs – flat sealing

Series 21KL

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/8	14		40	7					blank	21SLAW10MPX
	G 1/8	14		40	7					nickel plated	21SLAW10MPN
	G 1/4	17		42	9					blank	21SLAW13MPX
	G 1/4	17		42	9					nickel plated	21SLAW13MPN
	M 12 x 1,5	17		43	10					blank	21SLAD12MPX
	M 12 x 1,5	17		43	10					nickel plated	21SLAD12MPN
 <p>Female Thread</p>	G 1/8	14		40	7					blank	21SLIW10MPX
	G 1/8	14		40	7					nickel plated	21SLIW10MPN
	G 1/4	17		42	7					blank	21SLIW13MPX
	G 1/4	17		42	7					nickel plated	21SLIW13MPN
	G 3/8	19		42	7					blank	21SLIW17MPX
	G 3/8	19		42	7					nickel plated	21SLIW17MPN



	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	14		50	17					blank	21SLTF04MPX
	4 mm	14		50	17					nickel plated	21SLTF04MPN
	6 mm	14		50	17					blank	21SLTF06MPX
	6 mm	14		50	17					nickel plated	21SLTF06MPN
	8 mm	14		50	17					blank	21SLTF08MPX
	8 mm	14		50	17					nickel plated	21SLTF08MPN
	9 mm	14		50	17					blank	21SLTF09MPX
	9 mm	14		50	17					nickel plated	21SLTF09MPN
	10 mm	14		50	17					blank	21SLTF10MPX
	10 mm	14		50	17					nickel plated	21SLTF10MPN
 <p>with Plastic Hose Connection</p>	4 x 6 mm	14		46	7	6			M 10 x 1	blank	21SLKO06MPX
	4 x 6 mm	14		46	7	6			M 10 x 1	nickel plated	21SLKO06MPN
	6 x 8 mm	14		46	7	6			M 12 x 1	blank	21SLKO08MPX
	6 x 8 mm	14		46	7	6			M 12 x 1	nickel plated	21SLKO08MPN
 <p>Panel Mount with Plastic Hose Connection</p>	6 x 8 mm	14	17	58	7	18		4	M 12 x 1	blank	21SLKS08MPX
	6 x 8 mm	14	17	58	7	18		4	M 12 x 1	nickel plated	21SLKS08MPN
 <p>Panel Mount with Hose Barb</p>	5 mm	14	14	64	17	14		4	M 12 x 1	blank	21SLTS05MPX
	5 mm	14	14	64	17	14		4	M 12 x 1	nickel plated	21SLTS05MPN
	6 mm	14	17	64	17	14		4	M 12 x 1	blank	21SLTS06MPX
	6 mm	14	17	64	17	14		4	M 12 x 1	nickel plated	21SLTS06MPN
	10 mm	14	19	64	17	14		4	M 14 x 1	blank	21SLTS10MPX
	10 mm	14	19	64	17	14		4	M 14 x 1	nickel plated	21SLTS10MPN
 <p>Plastic Hose Connection with Spring Guard</p>	4 x 6 mm	14		130	7	6			M 10 x 1	blank	21SLKK06MPX
	4 x 6 mm	14		130	7	6			M 10 x 1	nickel plated	21SLKK06MPN
	6 x 8 mm	14		135	7	6			M 12 x 1	blank	21SLKK08MPX
	6 x 8 mm	14		135	7	6			M 12 x 1	nickel plated	21SLKK08MPN

Nominal Diameter

5,5 = 24 mm²



Tema Series

1100



Robust design with small dimensions. Series 1100 is used mainly for applications in the area of compressed air and liquids. Optimally suited to smaller pneumatic systems and to compressed air tools with a consumption of up to 900 litres per minute. Coupling systems with two-hand operation, i.e. both hands are required when connect/disconnect.

Series 1100 with additional end connections available on request.

Dust Protections  (P. 250)
for Coupling Part.-No. 2315-QC
for Plug Part.-No. 125-QC

Working Temperature*
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.



Working Pressure**

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

20 bar

Material

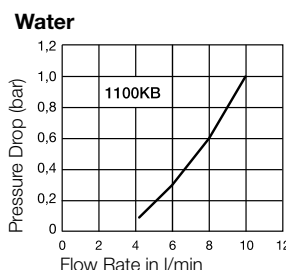
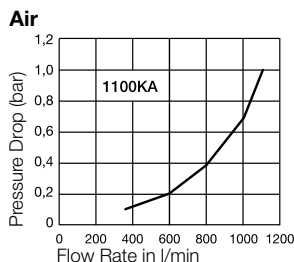
Coupling: Brass nickel plated and chrome plated
Plug: Steel zinc plated
Seals: NBR

Coupling: Brass nickel plated and chrome plated
Plug: Brass nickel plated and chrome plated
Seals: NBR

Interchangeability (KA only)

- Tema Design

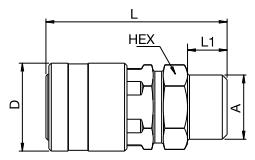
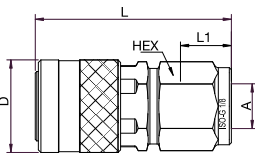
Flow diagrams





Couplings – with valve

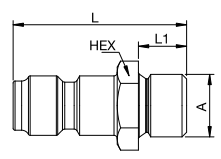
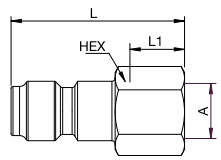
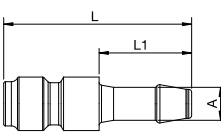
Series 1100KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/4	15	37	8	18	1100KAAW13MPC
 <p>Female Thread</p>	G 1/8	15	38	8	18	1100KAIW10MPC

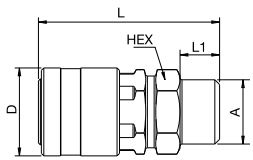
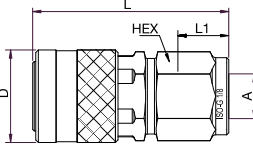


Plugs – without valve

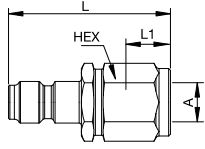
Series 1100KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/8	12	27	7,5		1100SFAW10SXZ
 <p>Female Thread</p>	G 1/8	12	27	7		1100SFIW10SXZ
 <p>Hose Barb</p>	5 mm		33	16		1100SFTF05SXZ
	6 mm		33	16		1100SFTF06SXZ





Couplings – with valve **Series 1100KB**

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/4	15	38	8	18	1100KBAW13MPC
 <p>Female Thread</p>	G 1/8	15	37	8	18	1100KBIW10MPC

Plugs – with valve **Series 1100KB**

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Female Thread</p>	G 1/8	15	36	8		1100SBIW10MPC

Cross-Reference-List

Connection	Thread	Rectus Part Number old	Tema Part Number old	Part Number new	Page
 Couplings – with valve					
Male Thread	G 1/4	-	1100 A	1100KAAW13MPC	39
Female Thread	G 1/8	-	1100	1100KAIW10MPC	39
 Plugs – without valve					
Male Thread	G 1/8	-	11110-QC	1100SFAW10SXZ	39
Female Thread	G 1/8	-	11410	1100SFIW10SXZ	39
Hose Barb	5 mm	-	11005-QC	1100SFTF05SXZ	39
	6 mm	-	11006-QC	1100SFTF06SXZ	39
 Couplings – with valve					
Male Thread	G 1/4	-	1100 NA	1100KBAW13MPC	40
Female Thread	G 1/8	-	1100 N	1100KBIW10MPC	40
 Plugs – with valve					
Female Thread	G 1/8	-	11410 MN	1100SBIW10MPC	40

Nominal Diameter

5,5 = 25 mm²

Rectus Series

14

Robust brass coupling with numerous connection options. Preferred application is the compressed air technology. Also particularly suited to use with water due to the brass valve.

Coupling system with single-hand operation. Plug design optimised through greater insert depth.

Series 14 in brass material with nickel plating and with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

Other designs in series 14

The following other designs can be found from page:

► Safety Self-Venting P. 222

**Working Pressure****

35 bar

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

Material

Coupling: Brass

Plug: Steel nickel plated or Brass

Seals: NBR

Technical Description

Connecting Force 0 bar: 30 N

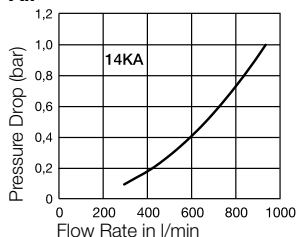
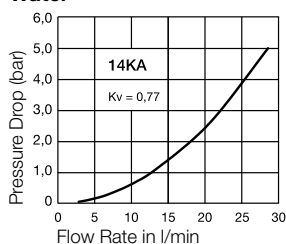
Connecting Force 6 bar: 70 N

Vacuum Coupling: 96%

Vacuum connected: 96%

Interchangeability (KA only)

- Rectus 22
- ARO 210
- Cejn 300
- Orion 44510
- JWL 552 + JWL 532
- various Swiss Products

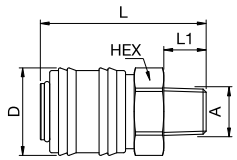
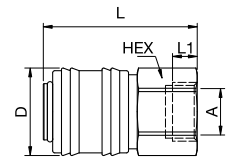
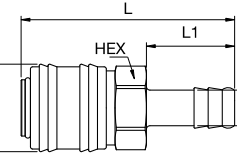
Flow diagrams**Air****Water****TEESING**

WE MAKE YOUR TECHNOLOGY WORK



Couplings – with valve

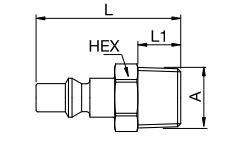
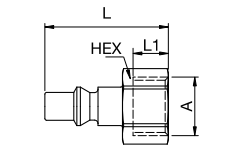
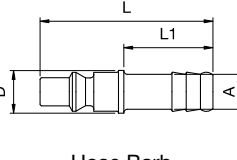
Series 14KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	G 1/4	22	43	9	25		14KAAW13MPX
	G 3/8	22	43	9	25		14KAAW17MPX
	G 1/2	22	46	12	25		14KAAW21MPX
 <p>Female Thread</p>	G 1/4	22	43	9	25		14KAIW13MPX
	G 3/8	22	43	9	25		14KAIW17MPX
	G 1/2	24	46	12	25		14KAIW21MPX
 <p>Hose Barb</p>	6 mm	21	60	25	25		14KATF06MPX
	8 mm	21	60	25	25		14KATF08MPX
	9 mm	21	60	25	25		14KATF09MPX
	10 mm	21	60	25	25		14KATF10MPX
	13 mm	21	60	25	25		14KATF13MPX



Plugs – without valve

Series 22SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	R 1/8	12	35	9		Steel	22SFAK10SXN
	R 1/4	14	41	12		Steel	22SFAK13SXN
	R 1/4	14	41	12		Brass	22SFAK13MXX
	G 1/4	14	41	12		Brass	22SFAW13MXX
	R 3/8	17	41	12		Steel	22SFAK17SXN
	G 3/8	17	41	12		Brass	22SFAW17MXX
	R 1/2	22	46	17		Steel	22SFAK21SXN
	G 1/2	22	46	17		Brass	22SFAW21MXX
 <p>Female Thread</p>	G 1/4	17	35	9		Steel	22SFIW13SXN
	G 1/4	17	35	9		Brass	22SFIW13MXX
	G 3/8	19	35	10		Steel	22SFIW17SXN
	G 1/2	24	35	12		Steel	22SFIW21SXN
 <p>Hose Barb</p>	6 mm		49	25	12	Steel	22SFTF06SXN
	6 mm		49	25	12	Brass	22SFTF06MXX
	8 mm		49	25	12	Steel	22SFTF08SXN
	10 mm		49	25	12	Steel	22SFTF10SXN
	10 mm		49	25	12	Brass	22SFTF10MXX
	13 mm		49	25	15	Steel	22SFTF13SXN

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

Nominal Diameter

5,5 = 25 mm²

Rectus Series

18

Robust industrial coupling according to ISO 6150 C. Coupling system with single-hand operation. High Flow valve for optimum flow and low pressure drop. The steel sleeve counters oscillating forces. System has limited use for liquids (steel sleeve/zinc die cast valve). The high insertion depth is guaranteed by an optimised plug guide.

Series 18 with additional end connections available on request.

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

Working Temperature*
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass / Steel nickel plated
Plug: Steel nickel plated
Seals: NBR

Technical Description

Connecting Force 0 bar: 40 N
Connecting Force 6 bar: 110 N

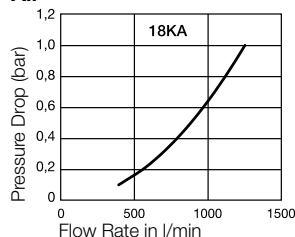
Vacuum Coupling: 96%
Vacuum connected: 96%

Interchangeability (KA only)

- Cejn 291
- Oetiker
- ISO 6150 C

Flow diagrams

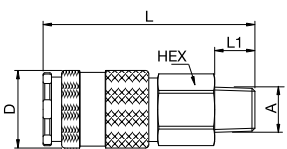
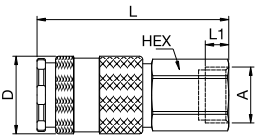
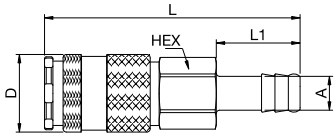
Air





Couplings – with valve

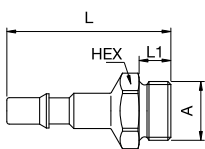
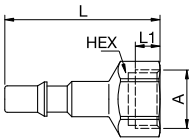
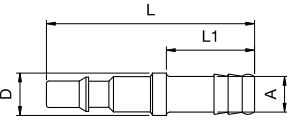
Series 18KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	19	63	12	23	18KAAK13MPN
	R 3/8	19	62	12	23	18KAAK17MPN
	R 1/2	22	63	17	23	18KAAK21MPN
 <p>Female Thread</p>	G 1/4	19	58	9	23	18KAIW13MPN
	G 3/8	19	57	9	23	18KAIW17MPN
	G 1/2	24	60	12	23	18KAIW21MPN
 <p>Hose Barb</p>	6 mm	19	76	25	23	18KATF06MPN
	8 mm	19	76	25	23	18KATF08MPN
	10 mm	19	76	25	23	18KATF10MPN
	13 mm	19	76	25	23	18KATF13MPN



Plugs – without valve

Series 18KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/4	17	41	9		18SFAW13SXN
	G 3/8	19	41	9		18SFAW17SXN
 <p>Female Thread</p>	G 1/4	17	43	9		18SFIW13SXN
	G 3/8	19	44	9		18SFIW17SXN
 <p>Hose Barb</p>	6 mm		59	25	12	18SFTF06SXN
	8 mm		59	25	12	18SFTF08SXN
	10 mm		59	25	12	18SFTF10SXN

Nominal Diameter

5,5 = 25 mm²

Rectus Series

19

English industrial profile.
Coupling system with single-hand operation. High Flow valve for optimum flow and low pressure drop. Robust coupling in slim design mainly for pneumatic applications. The steel sleeve counters oscillating forces. The high insertion depth is guaranteed by an optimised plug guide.

Series 19 with additional end connections available on request.

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

Working Temperature*
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass / Steel nickel plated

Plug: Steel nickel plated

Seals: NBR

Technical Description

Connecting Force 0 bar: 70 N

Connecting Force 6 bar: 180 N

Vacuum Coupling: 87%

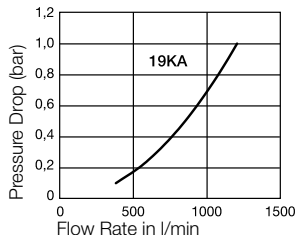
Vacuum connected: 87%

Interchangeability (KA only)

- PCL 60 (UK)

Flow diagrams

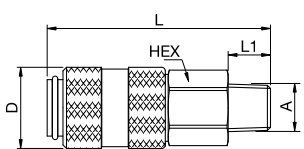
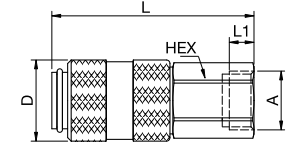
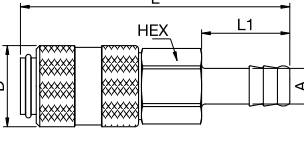
Air





Couplings – with valve

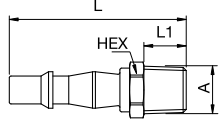
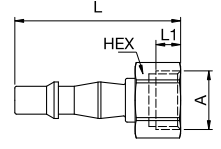
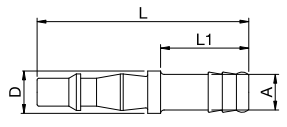
Series 19KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	19	63	12	23	19KAAK13MPN
	R 3/8	19	62	12	23	19KAAK17MPN
	R 1/2	22	68	17	23	19KAAK21MPN
 <p>Female Thread</p>	G 1/4	19	58	9	23	19KAIW13MPN
	G 3/8	19	58	9	23	19KAIW17MPN
	G 1/2	24	60	12	23	19KAIW21MPN
 <p>Hose Barb</p>	6 mm	19	76	25	23	19KATF06MPN
	8 mm	19	76	25	23	19KATF08MPN
	10 mm	19	76	25	23	19KATF10MPN
	13 mm	19	76	25	23	19KATF13MPN



Plugs – without valve

Series 19KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	14	50	12		19SFAK13SXN
 <p>Female Thread</p>	G 1/4	17	46	9		19SFIW13SXN
 <p>Hose Barb</p>	6 mm		60	25	12	19SFTF06SXN
	8 mm		60	25	12	19SFTF08SXN
	10 mm		60	25	12	19SFTF10SXN

Nominal Diameter

5,5 = 25 mm²

Rectus Series

22

Coupling system with single-hand operation. High Flow valve for optimum flow and low pressure drop. Specially suited to use with gaseous media in industry. The steel sleeve counters oscillating forces. The high insertion depth is guaranteed by an optimised plug guide.

Series 22 with additional end connections available on request.

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

Working Temperature*
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass / Steel nickel plated

Plug: Steel nickel plated or Brass

Seals: NBR

Technical Description

Connecting Force 0 bar: 40 N

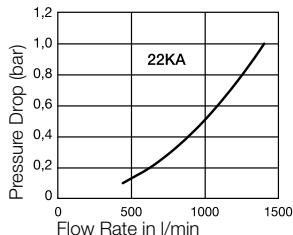
Connecting Force 6 bar: 120 N

Interchangeability (KA only)

- Rectus 14
- ARO 210
- Parker 50
- Cejn 300
- Orion 44510
- JWL 522 + JWL 532
- various Swiss Products

Flow diagrams

Air

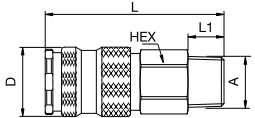
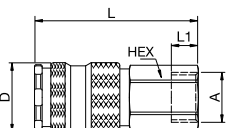
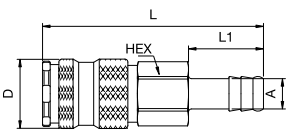
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Couplings – with valve

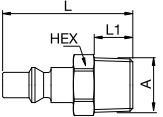
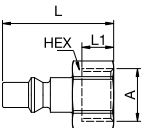
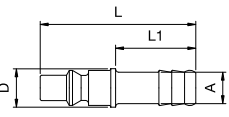
Series 22KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	R 1/4	19	61	12	23		22KAAK13MPN
	R 3/8	19	60	12	23		22KAAK17MPN
	R 1/2	22	61	17	23		22KAAK21MPN
 <p>Female Thread</p>	G 1/4	19	56	9	23		22KAIW13MPN
	G 3/8	19	55	9	23		22KAIW17MPN
	G 1/2	24	58	9	23		22KAIW21MPN
 <p>Hose Barb</p>	6 mm	19	74	25	23		22KATF06MPN
	8 mm	19	74	25	23		22KATF08MPN
	9 mm	19	74	25	23		22KATF09MPN
	10 mm	19	74	25	23		22KATF10MPN
	13 mm	19	74	25	23		22KATF13MPN



Plugs – without valve

Series 22SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	R 1/8	12	35	9		Steel	22SFAK10SXN
	R 1/4	14	41	12		Steel	22SFAK13SXN
	R 1/4	14	41	12		Brass	22SFAK13MXX
	G 1/4	14	41	12		Brass	22SFAW13MXX
	R 3/8	17	41	12		Steel	22SFAK17SXN
	G 3/8	17	41	12		Brass	22SFAW17MXX
	R 1/2	22	46	17		Steel	22SFAK21SXN
	G 1/2	22	46	17		Brass	22SFAW21MXX
 <p>Female Thread</p>	G 1/4	17	35	9		Steel	22SFIW13SXN
	G 1/4	17	35	9		Brass	22SFIW13MXX
	G 3/8	19	35	10		Steel	22SFIW17SXN
	G 1/2	24	35	12		Steel	22SFIW21SXN
 <p>Hose Barb</p>	6 mm		49	25	12	Steel	22SFTF06SXN
	6 mm		49	25	12	Brass	22SFTF06MXX
	8 mm		49	25	12	Steel	22SFTF08SXN
	10 mm		49	25	12	Steel	22SFTF10SXN
	10 mm		49	25	12	Brass	22SFTF10MXX
	13 mm		49	25	15	Steel	22SFTF13SXN



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

Nominal Diameter

5,5 = 25 mm²

Rectus Tema Series

1400energy
saver**Other designs in series 1400**

The following other designs can be found from page:

- Safety Self-Venting P. 224

Interchangeability (KA only)

- Rectus 24
- Industr. Interchange 1/4"
- US-MIL-SPEC-C-4109
- ISO 6150 B
- Cejn 310
- Hansen 3000
- Faster
- Gromelle 600
- JWL 521 + JWL 531

RectusTema premium industrial coupling 1/4" according to ISO 6150 B. Suitable for compressed air applications with greater than average air consumption. Coupling system with single-hand operation. Ultra High Flow valve for optimum flow and low pressure drop.

Series 1400 with additional end connections available on request.

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

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass nickel plated,
Steel QPQ treated

Plug: Steel nickel plated or Brass

Seals: NBR

Technical Description

Connecting Force 0 bar: 35 N

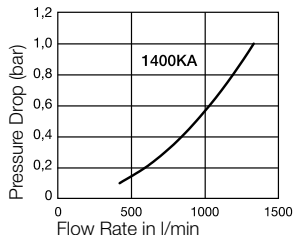
Connecting Force 6 bar: 75 N

Vacuum Coupling: 96%

Vacuum connected: 96%

Flow diagrams

Air

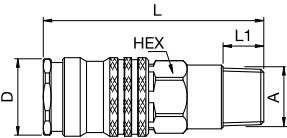
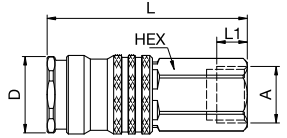
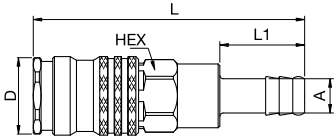
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Couplings – with valve

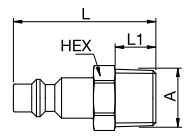
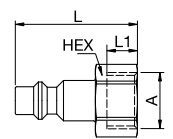
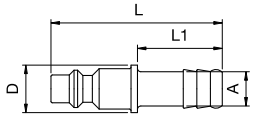
Series 1400KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	R 1/4	19	65	12	23		1400KAAK13SPN
	R 3/8	19	65	12	23		1400KAAK17SPN
	R 1/2	22	59,5	17	23		1400KAAK21SPN
 <p>Female Thread</p>	G 1/4	19	59	9	23		1400KAIW13SPN
	G 3/8	19	59	9	23		1400KAIW17SPN
	G 1/2	24	62	12	23		1400KAIW21SPN
 <p>Hose Barb</p>	6 mm	19	80	25	23		1400KATF06SPN
	8 mm	19	80	25	23		1400KATF08SPN
	10 mm	19	80	25	23		1400KATF10SPN
	13 mm	19	80	25	23		1400KATF13SPN



Plugs – without valve

Series 23SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	R 1/8	13	39	9		Steel	23SFAK10SXN
	R 1/4	14	42	12		Steel	23SFAK13SXN
	G 1/4	14	42	12		Brass	23SFAW13MXX
	R 3/8	17	42	12		Steel	23SFAK17SXN
	G 3/8	17	42	12		Brass	23SFAW17MXX
 <p>Female Thread</p>	R 1/2	22	48	17		Steel	23SFAK21SXN
	G 1/8	14	36	9		Steel	23SFIW10SXN
	G 1/4	17	36	9		Steel	23SFIW13SXN
	G 3/8	19	36	9		Steel	23SFIW17SXN
 <p>Hose Barb</p>	G 1/2	24	39	12		Steel	23SFIW21SXN
	6 mm		51	25	14	Steel	23SFTF06SXN
	6 mm		51	25	14	Brass	23SFTF06MXX
	8 mm		51	25	14	Steel	23SFTF08SXN
	9 mm		51	25	14	Steel	23SFTF09SXN
	9 mm		51	25	14	Brass	23SFTF09MXX
10 mm		51	25	14	Steel	23SFTF10SXN	
13 mm		51	25	14	Steel	23SFTF13SXN	

Nominal Diameter

5,5 = 25 mm²

Rectus Series

24**Other designs in series 24**

The following other designs can be found from page:

- Safety Self-Venting P. 226

Interchangeability (KA only)

- Rectus 1400
- Industr. Interchange 1/4"
- US-MIL-SPEC-C-4109
- ISO 6150 B
- Cejn 310
- Hansen 3000
- Faster
- Gromelle 600
- Parker 20 1/4" + 30 1/4"
- JWL 521 + JWL 531

1/4" Industrial brass coupling according to ISO 6150 B and US MIL-SPEC 4109.

Coupling system with single-hand operation, which stands out for its solid brass design and corresponding sleeve design. Hardened steel plug counters vibrations and effects of external forces.

Series 24 in brass material with nickel plating and with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass

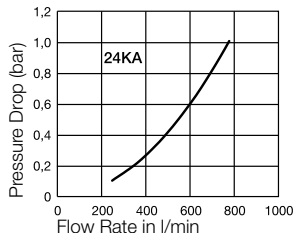
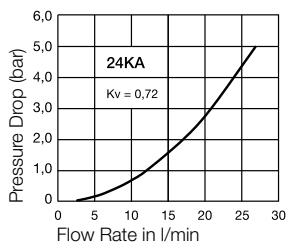
Plug: Steel nickel plated or Brass

Seals: NBR

Technical Description

Connecting Force 0 bar: 40 N

Connecting Force 6 bar: 80 N

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

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Couplings – with valve

Series 24KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
<p>Male Thread</p>	G 1/4	22	43	9	25		24KAAW13MPX
	G 3/8	22	43	9	25		24KAAW17MPX
	G 1/2	22	46	12	25		24KAAW21MPX
<p>Female Thread</p>	G 1/4	22	43	11	25		24KAIW13MPX
	G 3/8	22	43	9	25		24KAIW17MPX
	G 1/2	22	46	12	25		24KAIW21MPX
<p>Hose Barb</p>	6 mm	21	60	25	25		24KATF06MPX
	8 mm	21	60	25	25		24KATF08MPX
	9 mm	21	60	25	25		24KATF09MPX
	10 mm	21	60	25	25		24KATF10MPX
	13 mm	21	60	25	25		24KATF13MPX



Plugs - without valve

Series 23SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
<p>Male Thread</p>	R 1/8	13	39	9		Steel	23SFAK10SXN
	R 1/4	14	42	12		Steel	23SFAK13SXN
	G 1/4	14	42	12		Brass	23SFAW13MXX
	R 3/8	17	42	12		Steel	23SFAK17SXN
	G 3/8	17	42	12		Brass	23SFAW17MXX
	R 1/2	22	48	17		Steel	23SFAK21SXN
<p>Female Thread</p>	G 1/8	14	36	9		Steel	23SFIW10SXN
	G 1/4	17	36	9		Steel	23SFIW13SXN
	G 3/8	19	36	9		Steel	23SFIW17SXN
	G 1/2	24	39	12		Steel	23SFIW21SXN
<p>Hose Barb</p>	6 mm		51	25	14	Steel	23SFTF06SXN
	6 mm		51	25	14	Brass	23SFTF06MXX
	8 mm		51	25	14	Steel	23SFTF08SXN
	9 mm		51	25	14	Steel	23SFTF09SXN
	9 mm		51	25	14	Brass	23SFTF09MXX
	10 mm		51	25	14	Steel	23SFTF10SXN
	13 mm		51	25	14	Steel	23SFTF13SXN



Coupling system with German industrial profile. Coupling system with single-hand operation. High Flow valve for optimum flow and low pressure drop. Robust coupling in slim design mainly for pneumatic applications. The steel sleeve counters oscillating forces. The high insertion depth is guaranteed by an optimised plug guide.

Series 52 with additional end connections available on request.

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

Working Temperature*
-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.



Working Pressure**

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

50 bar

Material

Coupling: Brass / Steel nickel plated
Plug: Steel nickel plated
Seal: NBR

Coupling: Brass / Steel nickel plated
Plug: Brass / Steel nickel plated
Seals: NBR

Technical Description

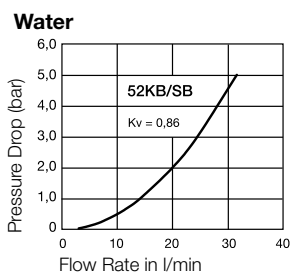
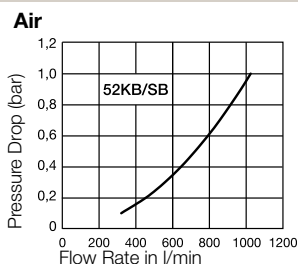
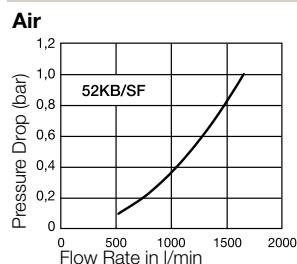
Connecting Force 0 bar: 60 N
Connecting Force 6 bar: 120 N

Connecting Force 0 bar: 65 N
Connecting Force 6 bar: 135 N

Interchangeability (KA only)

- Walther LP006

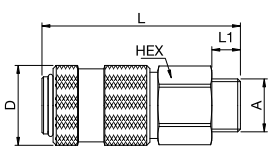
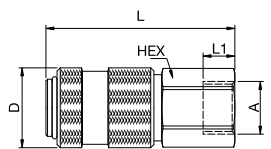
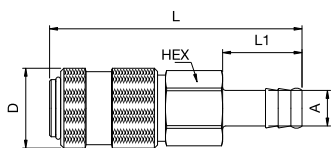
Flow diagrams





Couplings – with valve

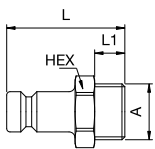
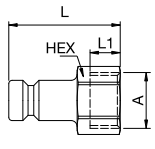
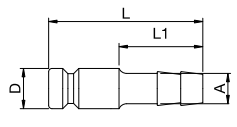
Series 52KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/4	22	62	9	25	52KBAW13SPN
	G 3/8	22	62	9	25	52KBAW17SPN
	G 1/2	22	65	12	25	52KBAW21SPN
 <p>Female Thread</p>	G 1/4	22	62	10	25	52KBIW13SPN
	G 3/8	22	60	10	25	52KBIW17SPN
	G 1/2	22	65	13	25	52KBIW21SPN
 <p>Hose Barb</p>	9 mm	21	80	25	25	52KBTf09SPN



Plugs – without valve

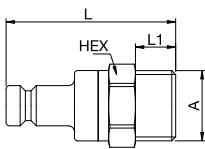
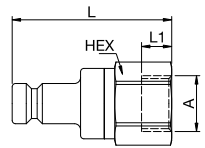
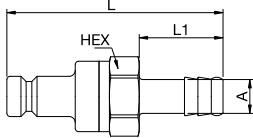
Series 52SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/4	17	35	9		52SFAW13SXN
	G 3/8	19	35	9		52SFAW17SXN
 <p>Female Thread</p>	G 1/4	17	33	9		52SFIW13SXN
	G 3/8	19	33	9		52SFIW17SXN
	G 1/2	24	36	12		52SFIW21SXN
 <p>Hose Barb</p>	6 mm		46	25	12	52SFTF06SXN
	9 mm		46	25	12	52SFTF09SXN
	13 mm		53	30	12	52SFTF13SXN



Plugs – with valve

Series 52SB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number	
 <p>Male Thread</p>	G 1/4	22	48	9		52SBAW13SPN	
	G 3/8	22	48	9		52SBAW17SPN	
	G 1/2	22	48	12		52SBAW21SPN	
 <p>Female Thread</p>	G 1/4	22	48	9		52SBIW13SPN	
	G 3/8	22	48	9		52SBIW17SPN	
 <p>Hose Barb</p>	6 mm	21	77,5	25		52SBTF06SPN	
	8 mm	21	77,5	25		52SBTF08SPN	
	9 mm	21	77,5	25		52SBTF09SPN	
	10 mm	21	77,5	25		52SBTF10SPN	
	13 mm	21	77,5	25		52SBTF13SPN	



Universal brass coupling with European standard industrial profile.
Coupling system with single-hand operation and standard-valve. Small mass size. The ergonomic sleeve design prevents dirt on the valve body.

Series 26 in brass material with nickel plating and with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

Other designs in series 26

The following other designs can be found from page:

- Safety Self-Venting P. 228



Working Pressure**

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

35 bar

Features

- Series 26 plugs in brass
- Series 25 steel plugs recommended for oscillating forces

Material

Coupling: Brass
Plug: Brass
Seals: NBR

Coupling: Brass
Plug: Brass
Seals: NBR

Technical Description

Connecting Force 0 bar: 40 N
Connecting Force 6 bar: 100 N

Vacuum Coupling: 96%
Vacuum connected: 96%

Dead space volume: 1,3 ml

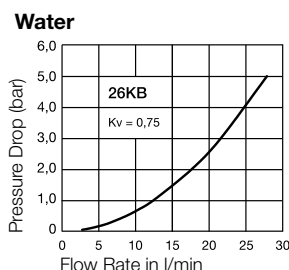
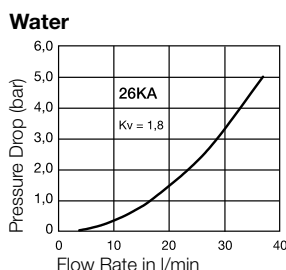
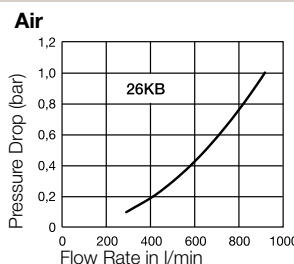
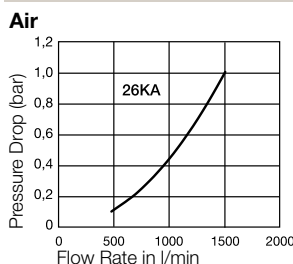
Connecting Force 0 bar: 35 N
Connecting Force 6 bar: 80 N

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

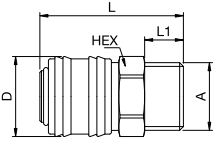
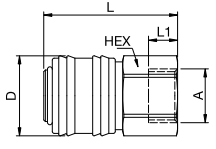
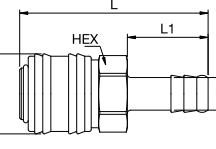
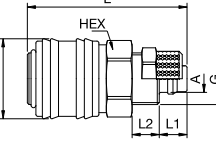
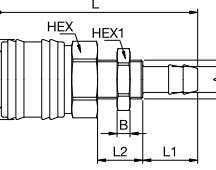
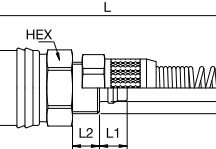
Interchangeability (KA only)

- Rectus 25
- Rectus 1600/1625
- Cejn 320
- JWL 520 + JWL 530
- various German Products

Flow diagrams



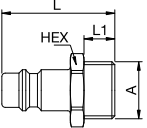
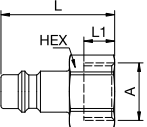
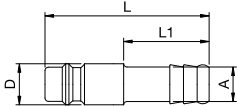


	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/8	22		43	9		25			blank	26KAAW10MPX
	G 1/4	22		39	9		25			blank	26KAAW13MPX
	G 3/8	22		41	9		25			blank	26KAAW17MPX
	G 1/2	22		44	12		25			blank	26KAAW21MPX
	G 1/2	24		44	12		25			blank	26KAAW21MPXS_36
	M 16 x 1,5	22		43	11		25			blank	26KAAD16MPX
 <p>Female Thread</p>	G 1/4	22		41	9		25			blank	26KAIW13MPX
	G 3/8	22		41	9		25			blank	26KAIW17MPX
	G 1/2	24		44	10		25			blank	26KAIW21MPX
	M 16 x 1,5	22		44	9		25			blank	26KAIM16MPX
	M 18 x 1,5	22		44	9		25			blank	26KAIM18MPX
 <p>Hose Barb</p>	6 mm	21		58	25		25			blank	26KATF06MPX
	8 mm	21		58	25		25			blank	26KATF08MPX
	9 mm	21		58	25		25			blank	26KATF09MPX
	10 mm	21		58	25		25			blank	26KATF10MPX
	13 mm	21		58	25		25			blank	26KATF13MPX
	6 mm Parker	21		58	20,5		25			blank	26KATP06MPX
	10 mm Parker	21		58	24		25			blank	26KATP10MPX
13 mm Parker	21		58	28		25			blank	26KATP13MPX	
 <p>with Plastic Hose Connection</p>	4 x 6 mm	21		58	7	6	25		M 10 x 1	blank	26KAKO06MPX
	6 x 8 mm	21		45	7	6	25		M 12 x 1	blank	26KAKO08MPX
	8 x 10 mm	21		49	9	8	25		M 16 x 1	blank	26KAKO10MPX
	9 x 12 mm	21		49	9	8	25		M 16 x 1	blank	26KAKO12MPX
 <p>Panel Mount with Hose Barb</p>	6 mm	21	17	60	17	10	25	4	M 12 x 1	blank	26KATS06MPX
	10 mm	21	17	72	25	14	25	4	G 1/4	blank	26KATS10MPX
 <p>Plastic Hose Connection with Spring Guard</p>	6 x 8 mm	21		132	7	6	25		M 12 x 1	blank	26KAKK08MPX
	8 x 10 mm	21		143	9	8	25		M 16 x 1	blank	26KAKK10MPX
	9 x 12 mm	21		150	9	8	25		M 16 x 1	blank	26KAKK12MPX



Plugs – without valve

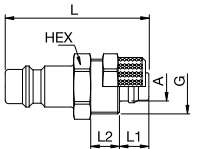
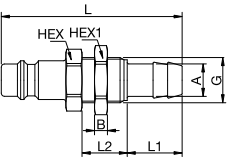
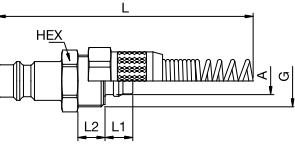
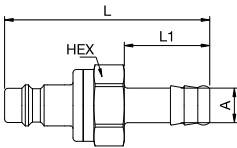
Series 26KA

	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					blank	26SFAW10MXX
	G 1/8	14		31	7					nickel plated	26SFAW10MXN
	G 1/4	17		33	9					blank	26SFAW13MXX
	G 1/4	17		33	9					nickel plated	26SFAW13MXN
	G 3/8	19		33	9					blank	26SFAW17MXX
	G 3/8	19		33	9					nickel plated	26SFAW17MXN
	G 1/2	24		38	12					blank	26SFAW21MXX
	G 1/2	24		38	12					nickel plated	26SFAW21MXN
	M 14 x 1,5	17		35	10					blank	26SFAD14MXX
	M 16 x 1,5	19		36	11					blank	26SFAD16MXX
	M 16 x 1,5	19		36	11					nickel plated	26SFAD16MXN
M 18 x 1,5	22		37	11					blank	26SFAD18MXX	
 <p>Female Thread</p>	G 1/8	14		30	7					blank	26SFIW10MXX
	G 1/8	14		30	7					nickel plated	26SFIW10MXN
	G 1/4	17		33	10					blank	26SFIW13MXX
	G 1/4	17		33	10					nickel plated	26SFIW13MXN
	G 3/8	19		33	10					blank	26SFIW17MXX
	G 3/8	19		33	10					nickel plated	26SFIW17MXN
	G 1/2	24		35	12					blank	26SFIW21MXX
	G 1/2	24		35	12					nickel plated	26SFIW21MXN
	M 16 x 1,5	19		33	10					blank	26SFIM16MXX
	 <p>Hose Barb</p>	4 mm			48	25		12			blank
6 mm				48	25		12			blank	26SFTF06MXX
6 mm				48	25		12			nickel plated	26SFTF06MXN
8 mm				48	25		12			blank	26SFTF08MXX
8 mm				48	25		12			nickel plated	26SFTF08MXN
9 mm				48	25		12			blank	26SFTF09MXX
9 mm				48	25		12			nickel plated	26SFTF09MXN
10 mm				48	25		12			blank	26SFTF10MXX
10 mm				48	25		12			nickel plated	26SFTF10MXN
13 mm				48	25		15			blank	26SFTF13MXX
13 mm				48	25		15			nickel plated	26SFTF13MXN
6 mm Parker				43	20,5		16			blank	26SFTP06MXX
6 mm Parker				43	20,5		16			nickel plated	26SFTP06MXN
10 mm Parker				46	24		22			blank	26SFTP10MXX
10 mm Parker				46	24		22			nickel plated	26SFTP10MXN
13 mm Parker				50	28		24			blank	26SFTP13MXX
13 mm Parker				50	28		24			nickel plated	26SFTP13MXN



Plugs – without valve

Series 26KA

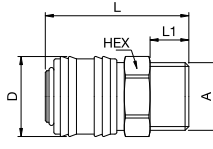
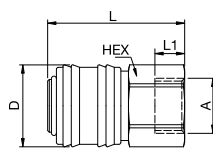
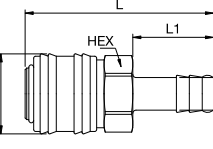
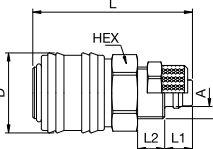
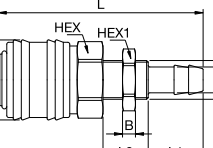
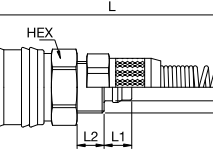
	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>with Plastic Hose Connection</p>	4 x 6 mm			34	7	6	12		M 10 x 1	blank	26SFKO06MXX ¹
	4 x 6 mm			34	7	6	12		M 10 x 1	nickel plated	26SFKO06MXN ¹
	6 x 8 mm			34	7	6	12		M 12 x 1	blank	26SFKO08MXX ¹
	6 x 8 mm			34	7	6	12		M 12 x 1	nickel plated	26SFKO08MXN ¹
	8 x 10 mm	17		42	9	6			M 16 x 1	blank	26SFKO10MXX
	8 x 10 mm	17		42	9	6			M 16 x 1	nickel plated	26SFKO10MXN
	9 x 12 mm	17		42	9	8			M 16 x 1	blank	26SFKO12MXX
	9 x 12 mm	17		42	9	8			M 16 x 1	nickel plated	26SFKO12MXN
 <p>Panel Mount with Hose Barb</p>	10 mm	17	19	56	17	14		4	M 14 x 1	blank	26SFTS10MXX
	10 mm	17	19	56	17	14		4	M 14 x 1	nickel plated	26SFTS10MXN
 <p>Plastic Hose Connection with Spring Guard</p>	4 x 6 mm			120	7	6	12		M 10 x 1	blank	26SFKK06MXX ¹
	4 x 6 mm			120	7	6	12		M 10 x 1	nickel plated	26SFKK06MXN ¹
	6 x 8 mm			127	7	6	12		M 12 x 1	blank	26SFKK08MXX ¹
	6 x 8 mm			127	7	6	12		M 12 x 1	nickel plated	26SFKK08MXN ¹
	8 x 10 mm	17		135	9	8			M 16 x 1	blank	26SFKK10MXX
	8 x 10 mm	17		135	9	8			M 16 x 1	nickel plated	26SFKK10MXN
	9 x 12 mm	17		142	9	8			M 16 x 1	blank	26SFKK12MXX
	9 x 12 mm	17		142	9	8			M 16 x 1	nickel plated	26SFKK12MXN
 <p>Recoil Eliminator with Hose Barb</p>	6 mm	21		60	25					blank	26SRTF06MXX
	6 mm	21		60	25					nickel plated	26SRTF06MXN
	8 mm	21		60	25					blank	26SRTF08MXX
	8 mm	21		60	25					nickel plated	26SRTF08MXN
	9 mm	21		60	25					blank	26SRTF09MXX
	9 mm	21		60	25					nickel plated	26SRTF09MXN
	10 mm	21		60	25					blank	26SRTF10MXX
	10 mm	21		60	25					Nickel Plated	26SRTF10MXN
	13 mm	21		60	25					blank	26SRTF13MXX
	13 mm	21		60	25					nickel plated	26SRTF13MXN

¹ Plug without hexagon



Couplings – with valve

Series 26KB

	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	22		43	9		25			blank	26KBAW10MPX
	G 1/4	22		39	9		25			blank	26KBAW13MPX
	G 3/8	22		41	9		25			blank	26KBAW17MPX
	G 1/2	24		42	10		25			blank	26KBAW21MPX
	M 16 x 1,5	22		43	11		25			blank	26KBAD16MPX
 <p>Female Thread</p>	G 1/4	22		41	9		25			blank	26KBIW13MPX
	G 3/8	22		41	9		25			blank	26KBIW17MPX
	G 1/2	24		44	10		25			blank	26KBIW21MPX
	M 16 x 1,5	22		44	9		25			blank	26KBIM16MPX
	M 18 x 1,5	22		44	9		25			blank	26KBIM18MPX
 <p>Hose Barb</p>	6 mm	21		58	25		25			blank	26KBTF06MPX
	8 mm	21		58	25		25			blank	26KBTF08MPX
	9 mm	21		58	25		25			blank	26KBTF09MPX
	10 mm	21		58	25		25			blank	26KBTF10MPX
	13 mm	21		58	25		25			blank	26KBTF13MPX
	6 mm Parker	21		58	25		25			blank	26KBTP06MPX
	10 mm Parker	21		58	24		25			blank	26KBTP10MPX
 <p>with Plastic Hose Connection</p>	13 mm Parker	21		58	28		25			blank	26KBTP13MPX
	6 x 8 mm	21		45	7	6	25		M 12 x 1	blank	26KBKO08MPX
	8 x 10 mm	21		49	9	8	25		M 16 x 1	blank	26KBKO10MPX
 <p>Panel Mount with Hose Barb</p>	9 x 12 mm	21		49	9	8	25		M 16 x 1	blank	26KBKO12MPX
	6 mm	21	17	60	17	10	25	4	M 12 x 1	blank	26KBTS06MPX
	10 mm	21	17	72	25	14	25	4	G 1/4	blank	26KBTS10MPX
 <p>Plastic Hose Connection with Spring Guard</p>	6 x 8 mm	21		132	7	6	25		M 12 x 1	blank	26KBKK08MPX
	8 x 10 mm	21		143	9	8	25		M 16 x 1	blank	26KBKK10MPX
	9 x 12 mm	21		150	9	8	25		M 16 x 1	blank	26KBKK12MPX



Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
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The right plug for series 26KB can be found under series 25KB from page 73.

Nominal Diameter

7,4 = 43 mm²



Tema Series

1300



energy saver

Series 1300 is used mainly for applications in the area of compressed air and liquids. Optimally suited to smaller to medium-sized pneumatic systems and to compressed air tools. The coupling series stands out for its compact design and high flow rates with the Ultra High Flow valve. Coupling body made of nitrocarburized steel.

Series 1300 with additional end connections available on request.

Dust Protections  (P. 250)
for Coupling Part.-No. 1315-QC
for Plug Part.-No. 1325-QC

Working Temperature*
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

Other designs in series 1300
The following other designs can be found from page:

- Stainless Steel P. 146



Working Pressure**

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

50 bar

Features

- Single-hand operation
- Two-hand operation
- Special sealing system in the coupling increases the service life of the coupling

Material

Coupling: Brass nickel plated and chrome plated
Plug: Steel zinc plated
Seals: NBR

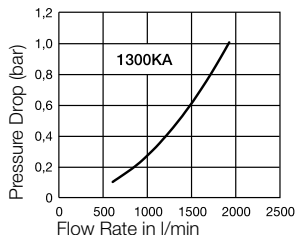
Coupling: Brass nickel plated and chrome plated
Plug: Brass nickel plated and chrome plated
Seals: NBR

Interchangeability (KA only)

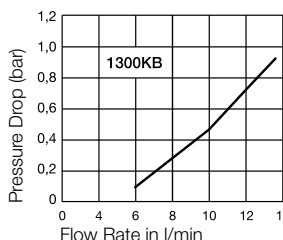
- Cejn 303

Flow diagrams

Air



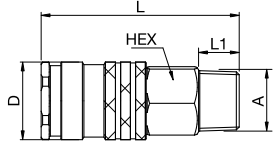
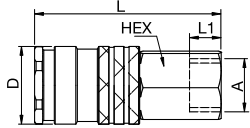
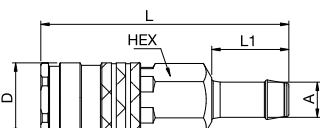
Water





Couplings – with valve

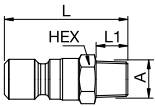
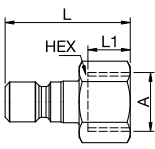
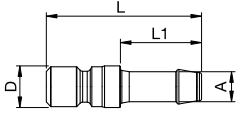
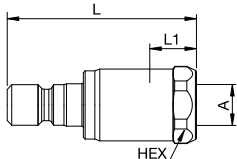
Series 1300KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	19	58	12	22	1300KAAK13MPN
	R 3/8	19	56	12	22	1300KAAK17MPN
	R 1/2	23	59	14	26	1300KAAK21MPN
 <p>Female Thread</p>	G 1/4	19	55	9	22	1300KAIW13MPN
	G 3/8	20	55	10	22	1300KAIW17MPN
 <p>Hose Barb</p>	6 mm	19	78	23	22	1300KATF06MPN
	8 mm	19	78	23	22	1300KATF08MPN
	10 mm	19	78	23	22	1300KATF10MPN
	13 mm	19	77	24	22	1300KATF13MPN



Plugs – without valve

Series 1300KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/8	13	35	9		1300SFAK10SXZ
	R 1/4	17	38	12		1300SFAK13SXZ
	G 1/4	17	35	12		1300SFAW13SXZ
	R 3/8	17	38	12		1300SFAK17SXZ
	R 1/2	22	40	14		1300SFAK21SXZ
 <p>Female Thread</p>	G 1/8	13	32	8,5		1300SFIW10SXZ
	G 1/4	17	36	10		1300SFIW13SXZ
	G 3/8	22	36	10		1300SFIW17SXZ
	G 1/2	27	39	12		1300SFIW21SXZ
 <p>Hose Barb</p>	6 mm		44	23	12	1300SFTF06SXZ
	8 mm		44	23	12	1300SFTF08SXZ
	10 mm		44	24	12	1300SFTF10SXZ
	12 mm		47	23	12	1300SFTF12SXZ
 <p>Recoil Eliminator, with Female Thread</p>	G 1/4	20	53	12		1300SRIW13SXZ

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



Couplings – with valve

Series 1300KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Male Thread</p>	G 3/8	18	49	7,5	22	1300KBAW17MPN
<p>Female Thread</p>	G 1/4	18	49	8	22	1300KBIW13MPN
	G 3/8	18	50	8	22	1300KBIW17MPN



Plugs – with valve

Series 1300KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Female Thread</p>	G 1/4	18	44	9		1300SBIW13MPC

Protective Sleeve





Series 1300KB

	Description	L mm	D mm	Material	Color	Part Number
<p>Female Thread</p>	for Couplings 1300KB	73	33	EBA	blue	1300-351

TEESING

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Cross-Reference-List

Connection	Thread	Rectus Part Number old	Tema Part Number old	Part Number new	Page
 Couplings – with valve					
Male Thread	R 1/4	31KAAK13SPN	1300 EC	1300KAAK13MPN	65
	R 3/8	31KAAK17SPN	1300 EA	1300KAAK17MPN	65
	R 1/2	31KAAK21SPN	1300 ED	1300KAAK21MPN	65
Female Thread	G 1/4	31KAIW13SPN	1300 E	1300KAIW13MPN	65
	G 3/8	31KAIW17SPN	1300 EB	1300KAIW17MPN	65
Hose Barb	6 mm	31KATF06SPN	1300 EK06	1300KATF06MPN	65
	8 mm	31KATF08SPN	1300 EK08	1300KATF08MPN	65
	10 mm	31KATF10SPN	1300 EK10	1300KATF10MPN	65
	13 mm	31KATF13SPN	1300 EK12	1300KATF13MPN	65
 Plugs – without valve					
Male Thread	R 1/8	31SFAK10SXZ	13110-QC	1300SFAK10SXZ	65
	R 1/4	31SFAK13SXZ	13210 A	1300SFAK13SXZ	65
	G 1/4	31SFAW13SXZ	13210-QC	1300SFAW13SXZ	65
	R 3/8	31SFAK17SXZ	13220	1300SFAK17SXZ	65
	R 1/2	31SFAK21SXZ	13230	1300SFAK21SXZ	65
Female Thread	G 1/8	31SFIW10SXZ	13405	1300SFIW10SXZ	65
	G 1/4	31SFIW13SXZ	13410	1300SFIW13SXZ	65
	G 3/8	31SFIW17SXZ	13420	1300SFIW17SXZ	65
	G 1/2	31SFIW21SXZ	13430-QC	1300SFIW21SXZ	65
Hose Barb	6 mm	31SFTF06SXZ	13006	1300SFTF06SXZ	65
	8 mm	31SFTF08SXZ	13008-QC	1300SFTF08SXZ	65
	10 mm	31SFTF10SXZ	13010-QC	1300SFTF10SXZ	65
	12 mm	31SFTF13SXZ	13012-QC	1300SFTF12SXZ	65
Recoil Eliminator	G 1/4	-	13410 S	1300SRIW13SXZ	65
 Couplings – with valve					
Male Thread	G 3/8	-	1300 NA	1300KBAW17MPN	66
Female Thread	G 1/4	-	1300 N	1300KBIW13MPN	66
	G 3/8	-	1300 NB	1300KBIW17MPN	66
 Plugs – with valve					
Female Thread	G 1/4	-	13410 MN	1300SBIW13MPC	66

Nominal Diameter

7,5 = 45 mm²

Rectus Series

13

Robust brass coupling with Japanese industrial profile.
Coupling system with single-hand operation. Above average flow volumes and structure resistant to the effects of external forces.

Series 13 in brass material with nickel plating and with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

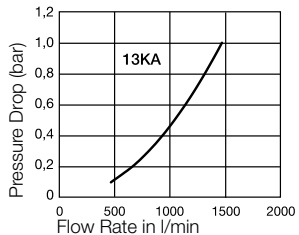
Coupling: Brass
Plug: Steel nickel plated
Seals: NBR

Technical Description

Connecting Force 0 bar: 45 N
Connecting Force 6 bar: 105 N

Interchangeability (KA only)

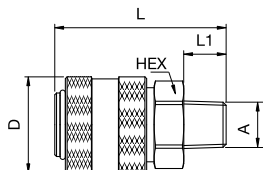
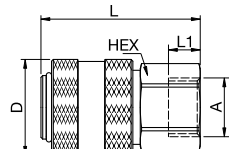
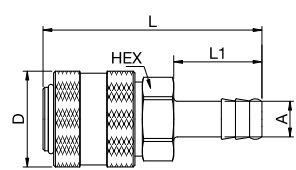
- Nitto-Kohki 200
- Cejn 314
- Cejn 315

Flow diagrams**Air**



Coupling – with valve

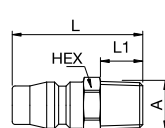
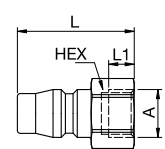
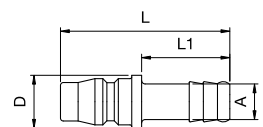
Series 13KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	22	49	12	27	13KAAK13MPX
	R 3/8	22	49	12	27	13KAAK17MPX
	R 1/2	22	53	17	27	13KAAK21MPX
 <p>Female Thread</p>	G 1/4	22	45	9	27	13KAIW13MPX
	G 3/8	22	45	9	27	13KAIW17MPX
	G 1/2	24	48	12	27	13KAIW21MPX
 <p>Hose Barb</p>	6 mm	21	62	25	27	13KATF06MPX
	8 mm	21	62	25	27	13KATF08MPX
	10 mm	21	62	25	27	13KATF10MPX
	13 mm	21	62	25	27	13KATF13MPX



Plugs – without valve

Series 13KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	14	37	12		13SFAK13SXN
	R 3/8	17	37	12		13SFAK17SXN
	R 1/2	22	44	17		13SFAK21SXN
 <p>Female Thread</p>	G 1/4	17	34	9		13SFIW13SXN
	G 3/8	19	34	9		13SFIW17SXN
 <p>Hose Barb</p>	6 mm		48	25	15	13SFTF06SXN
	8 mm		48	25	15	13SFTF08SXN
	10 mm		48	25	15	13SFTF10SXN
	13 mm		48	25	15	13SFTF13SXN



Other designs in series 25

The following other designs can be found from page:

- Stainless Steel P. 150
- Safety P. 214
- Safety Self-Venting P. 230
- Coded Systems P. 236

Interchangeability (KA only)

- Rectus 26
- Rectus 1600/1625
- Cejn 320
- JWL 520 + JWL 530
- various German Products

Universal industrial coupling with standard European profile.
Coupling system with single-hand operation. High Flow valve for optimum flow and low pressure drop. The series stands out for its robust design and long service life even with the harshest use.

Series 25 with additional end connections available on request.

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

Working Temperature*
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.



Working Pressure**

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

35 bar

Features

- Brass coupling and plug for use with water
- Robust coupling system with steel sleeve

Material

Coupling: Brass / Steel nickel plated
Plug: Steel zinc plated or Brass (Serie 26)
Seals: NBR

Coupling: Brass nickel plated
Plug: Brass nickel plated
Seals: NBR

Technical Description

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

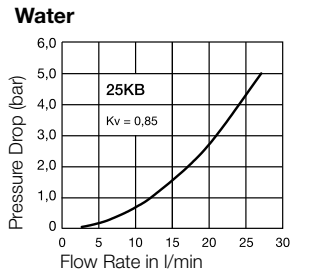
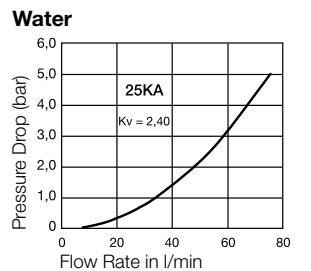
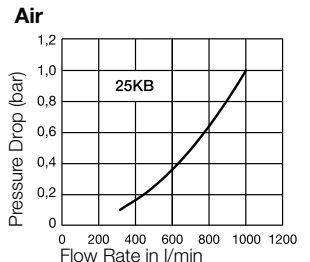
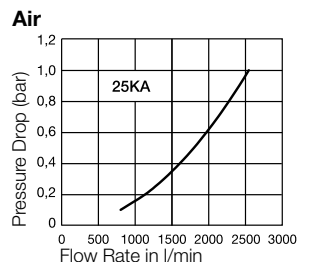
Dead space volume: 1,5 ml

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

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

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

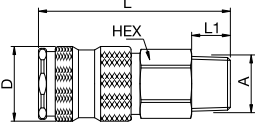
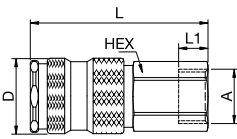
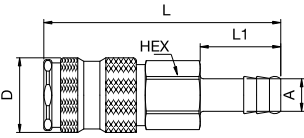
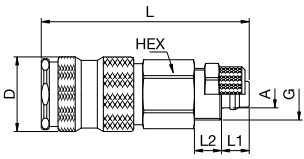
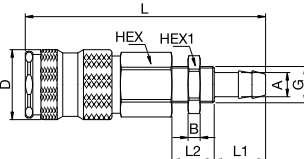
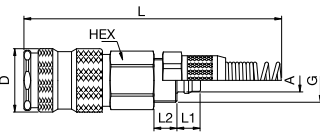
Flow diagrams





Coupling – with valve

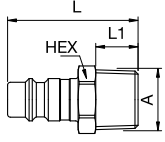
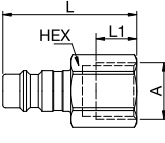
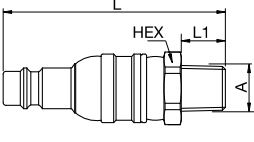
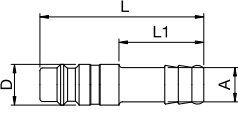
Series 25KA

	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>	R 1/4	19		60	12		23				25KAAK13MPN
	R 3/8	19		60	12		23				25KAAK17MPN
	R 1/2	22		61	17		23				25KAAK21MPN
	M 14 x 1,5	19		59	10		23				25KAAD14MPN
	M 16 x 1,5	19		60	11		23				25KAAD16MPN
 <p>Female Thread</p>	G 1/4	19		56	10		23				25KAIW13MPN
	G 3/8	19		55	9		23				25KAIW17MPN
	G 1/2	24		58	12		23				25KAIW21MPN
 <p>Hose Barb</p>	6 mm	19		74	25		23				25KATF06MPN
	8 mm	19		74	25		23				25KATF08MPN
	9 mm	19		74	25		23				25KATF09MPN
	10 mm	19		74	25		23				25KATF10MPN
	13 mm	19		74	25		23				25KATF13MPN
 <p>with Plastic Hose Connection</p>	6 x 8 mm	19		61	7	6	23		M 12 x 1		25KAKO08MPN
	9 x 12 mm	19		65	9	8	23		M 16 x 1		25KAKO12MPN
 <p>Panel Mount with Hose Barb</p>	6 mm	19	17	76	17	10	23	4	M 12 x 1		25KATS06MPN
 <p>Plastic Hose Connection with Spring Guard</p>	6 x 8 mm	19		144	7	6	23		M 12 x 1		25KAKK08MPN



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>	R 1/8	13		33	9						25SFAK10SXZ	
	R 1/4	14		36,5	12						25SFAK13SXZ	
	R 3/8	17		37	12						25SFAK17SXZ	
	R 1/2	22		43	17						25SFAK21SXZ	
 <p>Female Thread</p>	G 1/8	14		30	5						25SFIW10SXZ	
	G 1/4	17		38,5	12						25SFIW13SXZ	
	G 3/8	19		39,5	12						25SFIW17SXZ	
	G 1/2	24		44	14						25SFIW21SXZ	
 <p>Flex Joint, Male Thread</p>	R 1/4	17		64	11					nickel plated	25FAAK13SPN	
 <p>Hose Barb</p>	6 mm			48	25		12				25SFTF06SXZ	
	8 mm			48	25		12				25SFTF08SXZ	
	9 mm			48	25		12				25SFTF09SXZ	
	10 mm			48	25		12				25SFTF10SXZ	
	13 mm			48	25		15				25SFTF13SXZ	

The right plug in brass design can be found under series 26 from page 60.



Coupling – 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>	R 1/4	19		60	12		23				25KBAK13BPN
	R 3/8	19		59	10,5		23				25KBAK17BPN
	R 1/2	22		57,5	9		23				25KBAK21BPN
	M 14 x 1,5	19		59	10		23				25KBAD14BPN
	M 16 x 1,5	19		60	11		23				25KBAD16BPN
<p>Female Thread</p>	G 1/4	19		56	10		23				25KBIW13BPN
	G 3/8	19		55	9		23				25KBIW17BPN
	G 1/2	24		58	12		23				25KBIW21BPN
<p>Hose Barb</p>	6 mm	19		74	25		23				25KBTf06BPN
	8 mm	19		74	25		23				25KBTf08BPN
	9 mm	19		74	25		23				25KBTf09BPN
	10 mm	19		74	25		23				25KBTf10BPN
	13 mm	19		74	25		23				25KBTf13BPN
	10 mm Parker	19		73	24		23				25KBTP10BPN
	13 mm Parker	19		76	28		23				25KBTP13BPN



Plugs – with valve

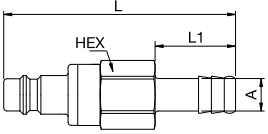
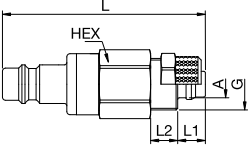
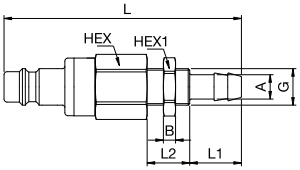
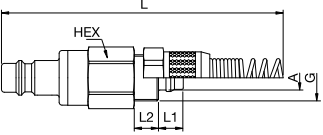
Series 25KB

	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	22		44,5	9						25SBAW10MPN
	G 1/4	22		43	9						25SBAW13MPN
	G 3/8	22		43	9						25SBAW17MPN
	G 1/2	22		46	12						25SBAW21MPN
	M 14 x 1,5	22		44	10						25SBAD14MPN
	M 16 x 1,5	22		45	11						25SBAD16MPN
<p>Female Thread</p>	G 1/4	22		43	10						25SBIW13MPN
	G 3/8	22		43	9						25SBIW17MPN
	G 1/2	24		46	9						25SBIW21MPN
	M 16 x 1,5	22		43	9						25SBIM16MPN
	M 18 x 1,5	22		43	9						25SBIM18MPN



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>Hose Barb</p>	6 mm	21		60	25						25SBTF06MPN
	8 mm	21		60	25						25SBTF08MPN
	9 mm	21		60	25						25SBTF09MPN
	10 mm	21		60	25						25SBTF10MPN
	13 mm	21		60	25						25SBTF13MPN
	6 mm Parker	19		67,5	20,5						
 <p>with Plastic Hose Connection</p>	10 mm Parker	19		71	24						25SBTP10MPN
	13 mm Parker	19		83	28						25SBTP13MPN
	4 x 6 mm	21		47	7	6			M 10 x 1		25SBKO06MPN
	6 x 8 mm	21		47	7	6			M 12 x 1		25SBKO08MPN
	8 x 10 mm	21		51	8,5	8,5			M 16 x 1		25SBKO10MPN
	9 x 12 mm	21		51	8,5	8,5			M 16 x 1		25SBKO12MPN
 <p>Panel Mount with Hose Barb</p>	6 mm	21	17	62	17	10		4	M 12 x 1		25SBTS06MPN
	10 mm	21	17	74	25	14		3,5	G 1/4		25SBTS10MPN
 <p>Plastic Hose Connection with Spring Guard</p>	4 x 6 mm	19		120	7	6			M 10 x 1		25SBKK06MPN
	6 x 8 mm	19		135	7	6			M 12 x 1		25SBKK08MPN
	8 x 10 mm	19		145	8,5	8,5			M 16 x 1		25SBKK10MPN
	9 x 12 mm	19		150	8,5	8,5			M 16 x 1		25SBKK12MPN

Nominal Diameter

7,8 = 48 mm²

Rectus Series

1600

**Other designs in series 1600**

The following other designs can be found from page:

- Safety Self-Venting P. 230

Interchangeability (KA only)

- Rectus 25 + 26
- Rectus 1625
- Cejn 320
- JWL 520 + JWL 530
- various German Products

Premium industrial coupling 3/8" with European standard profile. Suitable for compressed air applications with greater than average air consumption. Coupling system with single-hand operation. Ultra High Flow valve for optimum flow and low pressure drop.

Series 1600 with additional end connections available on request.

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

Working Temperature*
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass nickel plated,
Steel QPQ treated

Plug: Steel zinc plated

Seals: NBR

Technical Description

Connecting Force 0 bar: 30 N

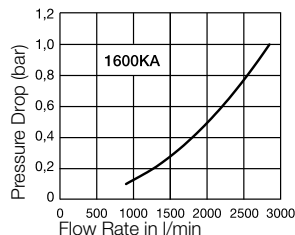
Connecting Force 6 bar: 75 N

Vacuum Coupling: 87%

Vacuum connected: 87%

Flow diagrams

Air

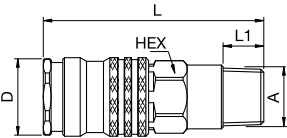
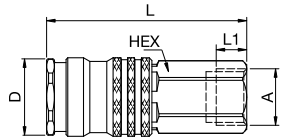
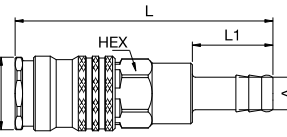


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Coupling – with valve

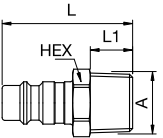
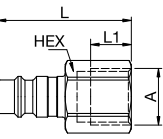
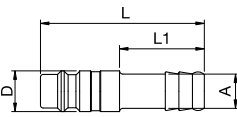
Series 1600KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	19	65	12	23	1600KAAK13SPN
	R 3/8	19	65	12	23	1600KAAK17SPN
	R 1/2	22	59,5	17	23	1600KAAK21SPN
 <p>Female Thread</p>	G 1/4	19	59	9	23	1600KAIW13SPN
	G 3/8	19	59	9	23	1600KAIW17SPN
	G 1/2	24	62	12	23	1600KAIW21SPN
 <p>Hose Barb</p>	6 mm	19	80	25	23	1600KATF06SPN
	8 mm	19	80	25	23	1600KATF08SPN
	9 mm	19	80	25	23	1600KATF09SPN
	10 mm	19	80	25	23	1600KATF10SPN
	13 mm	19	80	25	23	1600KATF13SPN



Plugs – without valve

Series 25SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/8	13	33	9		25SFAK10SXZ
	R 1/4	14	37	12		25SFAK13SXZ
	R 3/8	17	37	12		25SFAK17SXZ
	R 1/2	22	43	17		25SFAK21SXZ
 <p>Female Thread</p>	G 1/8	14	30	7		25SFIW10SXZ
	G 1/4	17	38,5	9		25SFIW13SXZ
	G 3/8	19	39,5	9		25SFIW17SXZ
	G 1/2	24	44	12		25SFIW21SXZ
 <p>Hose Barb</p>	6 mm		48	25	12	25SFTF06SXZ
	8 mm		48	25	12	25SFTF08SXZ
	9 mm		48	25	12	25SFTF09SXZ
	10 mm		48	25	12	25SFTF10SXZ
	13 mm		48	25	15	25SFTF13SXZ

Nominal Diameter

7,8 = 48 mm²

Rectus Series

1625energy
saver

Premium industrial coupling 3/8" with European standard profile. Suitable for compressed air applications with greater than average air consumption. Coupling system with single-hand operation. Ultra High Flow valve for optimum flow and low pressure drop. Extremely robust and ergonomically shaped, 2-component plastic sleeve.

Series 1625 with additional end connections available on request.

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

Working Temperature*
-20°C up to +40°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +40°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass nickel plated,
Steel QPQ treated, PA6+TPE

Plug: Steel zinc plated

Seals: NBR

Technical Description

Connecting Force 0 bar: 30 N

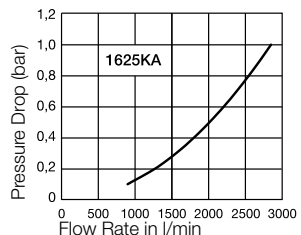
Connecting Force 6 bar: 75 N

Vacuum Coupling: 87%

Vacuum connected: 87%

Interchangeability (KA only)

- Rectus 25 + 26
- Rectus 1600
- Cejn 320
- JWL 520 + JWL 530
- various German Products

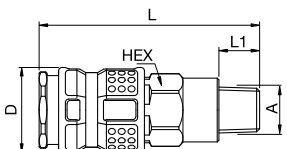
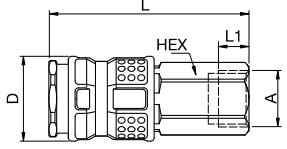
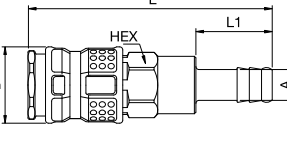
Flow diagrams**Air****TEESING**

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Coupling – with valve

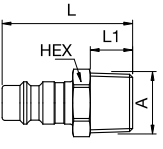
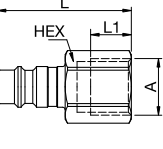
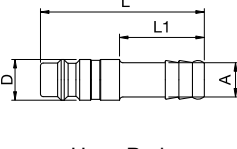
Series 1625KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	19	65	12	26	1625KAAK13SPN
	R 3/8	19	65	12	26	1625KAAK17SPN
	R 1/2	22	59,5	17	26	1625KAAK21SPN
 <p>Female Thread</p>	G 1/4	19	59	9	26	1625KAIW13SPN
	G 3/8	19	59	9	26	1625KAIW17SPN
	G 1/2	24	62	12	26	1625KAIW21SPN
 <p>Hose Barb</p>	6 mm	19	80	25	26	1625KATF06SPN
	8 mm	19	80	25	26	1625KATF08SPN
	9 mm	19	80	25	26	1625KATF09SPN
	10 mm	19	80	25	26	1625KATF10SPN
	13 mm	19	80	25	26	1625KATF13SPN



Plugs – without valve

Series 25SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/8	13	33	9		25SFAK10SXZ
	R 1/4	14	37	12		25SFAK13SXZ
	R 3/8	17	37	12		25SFAK17SXZ
	R 1/2	22	43	17		25SFAK21SXZ
 <p>Female Thread</p>	G 1/8	14	30	7		25SFIW10SXZ
	G 1/4	17	38,5	9		25SFIW13SXZ
	G 3/8	19	39,5	9		25SFIW17SXZ
	G 1/2	24	44	12		25SFIW21SXZ
 <p>Hose Barb</p>	6 mm		48	25	12	25SFTF06SXZ
	8 mm		48	25	12	25SFTF08SXZ
	9 mm		48	25	12	25SFTF09SXZ
	10 mm		48	25	12	25SFTF10SXZ
	13 mm		48	25	15	25SFTF13SXZ

8 = 50 mm²

33



Steel industrial coupling with Atlas Copco-Profile. Specially suited to use with gaseous media in industry.

Coupling system with single-hand operation. High Flow valve for optimum flow and low pressure drop.

Series 33 with additional end connections available on request.

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

Working Temperature*
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.



Working Pressure**

35 bar

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

Material

Coupling: Brass / Steel nickel plated

Plug: Steel nickel plated

Seals: NBR

Technical Description

Connecting Force 0 bar: 40 N

Connecting Force 6 bar: 130 N

Vacuum Coupling: 96%

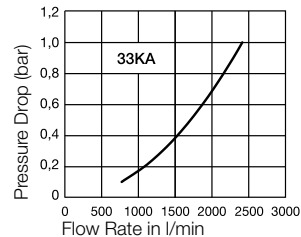
Vacuum connected: 96%

Interchangeability (KA only)

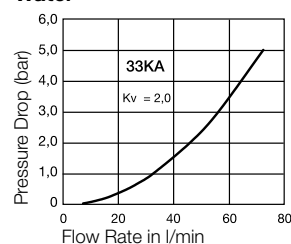
- Atlas Copco QIC 10

Flow diagrams

Air



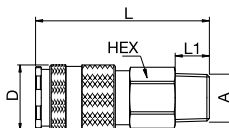
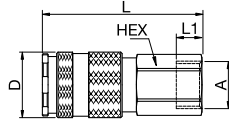
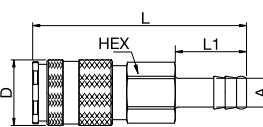
Water





Coupling – with valve

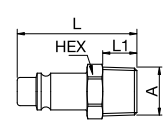
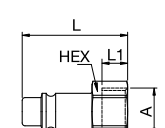
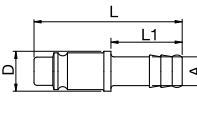
Series 33KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	19	60	12	23	33KAAK13SPN
	R 3/8	19	59	12	23	33KAAK17SPN
	R 1/2	22	60	17	23	33KAAK21SPN
 <p>Female Thread</p>	G 1/4	19	55	10	23	33KAIW13SPN
	G 3/8	19	54	9	23	33KAIW17SPN
	G 1/2	24	57	12	23	33KAIW21SPN
 <p>Hose Barb</p>	6 mm	19	73	25	23	33KATF06SPN
	8 mm	19	73	25	23	33KATF08SPN
	10 mm	19	73	25	23	33KATF10SPN
	13 mm	19	73	25	23	33KATF13SPN



Plugs – without valve

Series 33KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	14	42	12		33SFAK13SXN
	R 3/8	17	42	12		33SFAK17SXN
	R 1/2	22	47	17		33SFAK21SXN
 <p>Female Thread</p>	G 1/4	17	37	9		33SFIW13SXN
	G 3/8	17	37	9		33SFIW17SXN
 <p>Hose Barb</p>	6 mm		52	25	14	33SFTF06SXN
	8 mm		52	25	14	33SFTF08SXN
	10 mm		52	25	15	33SFTF10SXN
	13 mm		52	25	15	33SFTF13SXN

Nominal Diameter

8,5 = 60 mm²

Rectus Series

30

Steel coupling 3/8" according to ISO 6150 B and US MIL-SPEC 4109. Very robust design with steel valve bodies. The high insertion depth is guaranteed by an optimised plug guide.

Series 30 in brass material with nickel plating and with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass / Steel

Plug: Steel nickel plated

Seals: NBR

Technical Description

Connecting Force 0 bar: 50 N

Connecting Force 6 bar: 110 N

Vacuum Coupling: 96%

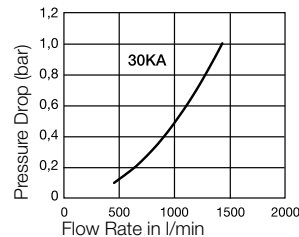
Vacuum connected: 96%

Interchangeability (KA only)

- Industrial. Interchange 3/8"
- US-MIL-SPEC-C-4109
- ISO 6150 B
- Gromelle 900
- Hansen 4000
- Parker 30 3/8"

Flow diagrams

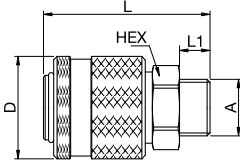
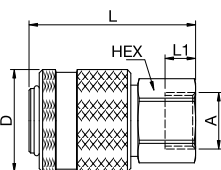
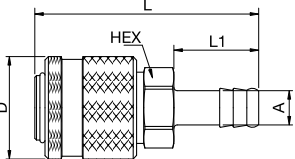
Air





Couplings – with valve

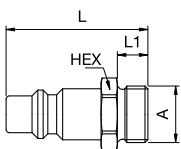
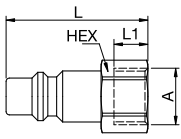
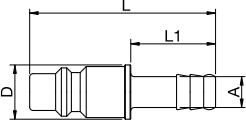
Series 30KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/4	22	49	9	30	30KAAW13SPX
	G 3/8	22	49	9	30	30KAAW17SPX
	G 1/2	22	52	12	30	30KAAW21SPX
 <p>Female Thread</p>	G 1/4	22	49	11	30	30KAIW13SPX
	G 3/8	22	49	9	30	30KAIW17SPX
	G 1/2	22	52	12	30	30KAIW21SPX
 <p>Hose Barb</p>	6 mm	21	66	25	30	30KATF06SPX
	8 mm	21	66	25	30	30KATF08SPX
	10 mm	21	66	25	30	30KATF10SPX
	13 mm	21	66	25	30	30KATF13SPX



Plugs – without valve

Series 30KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/4	17	42	9		30SFAW13SXN
	G 3/8	19	42	9		30SFAW17SXN
	G 1/2	24	46	12		30SFAW21SXN
 <p>Female Thread</p>	G 1/4	17	40	10		30SFIW13SXN
	G 3/8	19	42	10		30SFIW17SXN
	G 1/2	24	43	12		30SFIW21SXN
 <p>Hose Barb</p>	8 mm		55	25	16	30SFTF08SXN
	10 mm		55	25	16	30SFTF10SXN
	13 mm		55	25	16	30SFTF13SXN

9 = 63 mm²**40**

Brass coupling system produced for raw applications. The system is suitable for use with non-aggressive liquid media. The couplings are corrosion resistant.

Coupling system with single-hand operation. The ergonomic sleeve design prevents dirt on the valve body.

Series 40 in brass material without nickel plating and with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass nickel plated

Plug: Steel nickel plated

Seals: NBR

Technical Description

Connecting Force 0 bar: 60 N

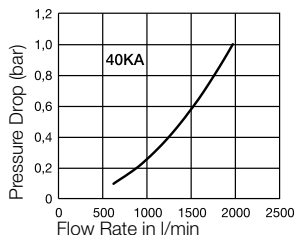
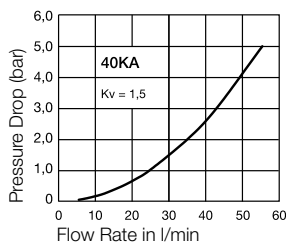
Connecting Force 6 bar: 120 N

Vacuum Coupling: 60%

Vacuum connected: 96%

Interchangeability (KA only)

- ARO 310
- Orion 44520
- Orion 44530

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



Couplings – with valve

Series 40KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Female Thread</p>	G 3/8	27	46	10	32	40KAIW17MPN
	G 1/2	27	46	11	32	40KAIW21MPN



Plugs – without valve

Series 40KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Male Thread</p>	R 3/8	16	40	12		40SFAK17SXN
	R 1/2	16	46	17		40SFAK21SXN
<p>Female Thread</p>	G 3/8	19	35	9		40SFIW17SXN
	G 1/2	24	39	12		40SFIW21SXN
<p>Hose Barb</p>	8 mm		51	25	16	40SFTF08SXN
	10 mm		51	25	16	40SFTF10SXN
	13 mm		51	25	16	40SFTF13SXN



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

Series 27 in brass material with nickel plating and with additional end connections available on request.

Dust Protections  (P. 250) for Coupling Part.-No. SK27S

Working Temperature*
-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

Other designs in series 27

The following other designs can be found from page:

- Stainless Steel P. 156
- Safety Self-Venting P. 232

Interchangeability (KA only)

- Rectus 41
- Rectus 1700
- Rectus 1727
- Cejn 410



Working Pressure**

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

35 bar

Material

Coupling: Brass / Steel nickel plated
Plug: Steel nickel plated
Seals: NBR

Coupling: Brass
Plug: Brass nickel plated
Seals: NBR

Technical Description

Connecting Force 0 bar: 60 N
Connecting Force 6 bar: 180 N

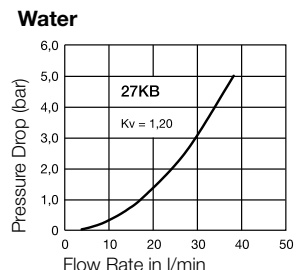
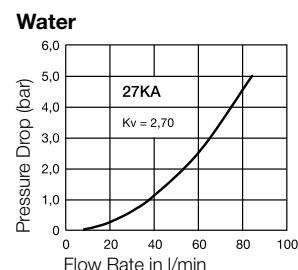
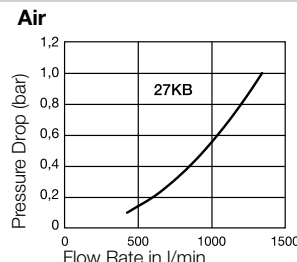
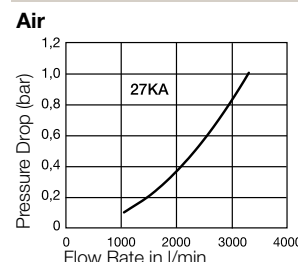
Dead space volume: 2,2 ml

Vacuum Coupling: 87%
Available on request with O-ring seal for vacuum when coupled.

Connecting Force 0 bar: 60 N
Connecting Force 6 bar: 180 N

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

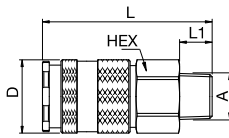
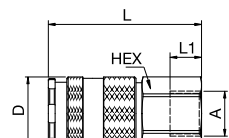
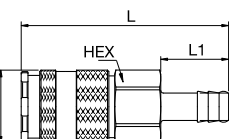
Flow diagrams





Couplings – with valve

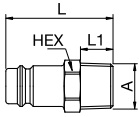
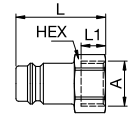
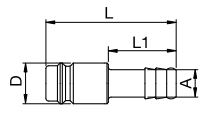
Series 27KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	24	63	12	27	27KAAK13MPN
	R 3/8	24	63	12	27	27KAAK17MPN
	R 1/2	24	65	17	27	27KAAK21MPN
	R 3/4	27	65	17	27	27KAAK26MPN
 <p>Female Thread</p>	G 1/4	24	56	10	27	27KAIW13MPN
	G 3/8	24	56	11	27	27KAIW17MPN
	G 1/2	24	56	12	27	27KAIW21MPN
	G 3/4	27	60	16	27	27KAIW26MPN
 <p>Hose Barb</p>	6 mm	24	76	25	27	27KATF06MPN
	8 mm	24	76	25	27	27KATF08MPN
	9 mm	24	76	25	27	27KATF09MPN
	10 mm	24	76	25	27	27KATF10MPN
	13 mm	24	76	25	27	27KATF13MPN
	16 mm	24	76	20	27	27KATF16MPN
	19 mm	24	76	25	27	27KATF19MPN



Plugs – without valve

Series 27KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	17	40	12		27SFAK13SXN
	R 3/8	17	40	12		27SFAK17SXN
	R 1/2	22	45	17		27SFAK21SXN
	R 3/4	27	48	19		27SFAK26SXN
 <p>Female Thread</p>	G 1/4	17	33	9		27SFIW13SXN
	G 3/8	19	33	12		27SFIW17SXN
	G 1/2	24	37	12		27SFIW21SXN
	G 3/4	32	42	16		27SFIW26SXN
 <p>Hose Barb</p>	6 mm		48	25	15	27SFTF06SXN
	8 mm		48	25	15	27SFTF08SXN
	9 mm		48	25	15	27SFTF09SXN
	10 mm		48	25	15	27SFTF10SXN
	13 mm		48	25	15	27SFTF13SXN
	16 mm		49	25	18	27SFTF16SXN
	19 mm		49	25	21	27SFTF19SXN

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



Couplings – with valve

Series 27KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Male Thread</p>	R 1/4	24	63	12	27	27KBAK13BPN
	R 3/8	24	63	12	27	27KBAK17BPN
	R 1/2	24	65	17	27	27KBAK21BPN
	R 3/4	27	65	17	27	27KBAK26BPN
<p>Female Thread</p>	G 1/4	24	56	10	27	27KBIW13BPN
	G 3/8	24	56	11	27	27KBIW17BPN
	G 1/2	24	56	12	27	27KBIW21BPN
	G 3/4	32	60	16	27	27KBIW26BPN
<p>Hose Barb</p>	8 mm	24	76	25	27	27KBTF08BPN
	9 mm	24	76	25	27	27KBTF09BPN
	10 mm	24	76	25	27	27KBTF10BPN
	13 mm	24	76	25	27	27KBTF13BPN
	16 mm	24	76	25	27	27KBTF16BPN
	19 mm	24	76	25	27	27KBTF19BPN



Plugs – with valve

Series 27KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Male Thread</p>	R 1/4	24	60,5	12		27SBAK13MPN
	R 3/8	24	60,5	12		27SBAK17MPN
	R 1/2	24	62,5	17		27SBAK21MPN
	R 3/4	27	62,5	17		27SBAK26MPN
<p>Female Thread</p>	G 3/8	24	54,5	9		27SBIW17MPN
	G 1/2	24	54,5	12		27SBIW21MPN
	G 3/4	32	58,5	16		27SBIW26MPN
<p>Hose Barb</p>	9 mm	24	74	25		27SBTF09MPN
	10 mm	24	74	25		27SBTF10MPN
	13 mm	24	74	25		27SBTF13MPN
	16 mm	24	74	25		27SBTF16MPN
	19 mm	24	74	25		27SBTF19MPN

Nominal Diameter

10 = 80 mm²



Rectus Series

1700



Other designs in series 1700

The following other designs can be found from page:

- ▶ Stainless Steel P. 156
- ▶ Safety Self-Venting P. 232


Interchangeability (KA only)

- Rectus 27
- Rectus 1727
- Cejn 410

Premium industrial coupling 1/2" with standard European profile. Suitable for compressed air applications with greater than average air consumption. Above-average flow values compared with standard market products.

Coupling system with single-hand operation. Ultra High Flow valve for optimum flow and low pressure drop.

Series 1700 with additional end connections available on request.

Dust Protections  (P. 250) for Coupling Part.-No. SK27S

Working Temperature*
-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.



Working Pressure**

35 bar

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

Material

Coupling: Brass nickel plated, Steel QPQ treated

Plug: Steel nickel plated

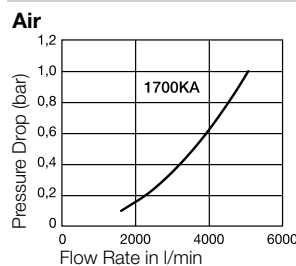
Seals: NBR

Technical Description

Connecting Force 0 bar: 40 N

Connecting Force 6 bar: 120 N

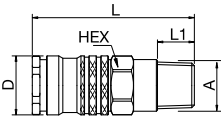
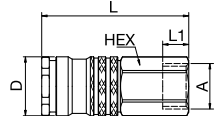
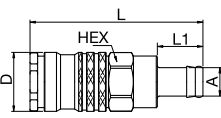
Flow diagrams





Couplings – with valve

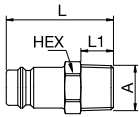
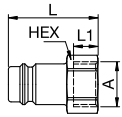
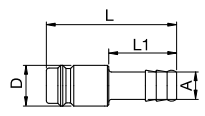
Series 1700KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 3/8	24	70	12	27	1700KAAK17SPN
	R 1/2	24	75	17	27	1700KAAK21SPN
	R 3/4	27	64	17	27	1700KAAK26SPN
 <p>Female Thread</p>	G 3/8	24	64,5	10	27	1700KAIW17SPN
	G 1/2	24	68	11	27	1700KAIW21SPN
	G 3/4	32	69	14	27	1700KAIW26SPN
 <p>Hose Barb</p>	10 mm	24	80	21	27	1700KATF10SPN
	13 mm	24	80	21	27	1700KATF13SPN
	16 mm	24	80	21	27	1700KATF16SPN



Plugs – without valve

Series 27SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	17	40	12		27SFAK13SXN
	R 3/8	17	40	12		27SFAK17SXN
	R 1/2	22	45	17		27SFAK21SXN
	R 3/4	27	48	19		27SFAK26SXN
 <p>Female Thread</p>	G 1/4	17	33	9		27SFIW13SXN
	G 3/8	19	33	12		27SFIW17SXN
	G 1/2	24	37	12		27SFIW21SXN
	G 3/4	32	42	16		27SFIW26SXN
 <p>Hose Barb</p>	6 mm		48	25	15	27SFTF06SXN
	8 mm		48	25	15	27SFTF08SXN
	9 mm		48	25	15	27SFTF09SXN
	10 mm		48	25	15	27SFTF10SXN
	13 mm		48	25	15	27SFTF13SXN
	16 mm		49	25	18	27SFTF16SXN
19 mm		49	25	21	27SFTF19SXN	

Nominal Diameter

10 = 80 mm²

Rectus Series

1727energy
saver**Other designs in series 1727**

The following other designs can be found from page:

- ▶ Stainless Steel P. 156
- ▶ Safety Self-Venting P. 232

Interchangeability (KA only)

- Rectus 27
- Rectus 1700
- Cejn 410

Premium industrial coupling 1/2" with standard European profile. Suitable for compressed air applications with greater than average air consumption. Above-average flow values compared with standard market products.

Coupling system with single-hand operation. Ultra High Flow valve for optimum flow and low pressure drop. Extremely robust and ergonomically shaped, 2-component plastic sleeve.

Series 1727 with additional end connections available on request.

Dust Protections  (P. 250)
for Coupling Part.-No. SK27S
for Plug Part.-No. SK16S

Working Temperature*
-20°C up to +40°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +40°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass nickel plated,
Steel QPQ treated, PA6+TPE

Plug: Steel nickel plated

Seals: NBR

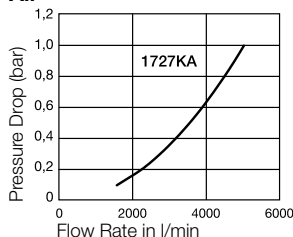
Technical Description

Connecting Force 0 bar: 40 N

Connecting Force 6 bar: 120 N

Flow diagrams

Air

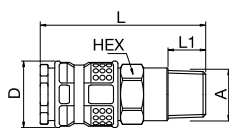
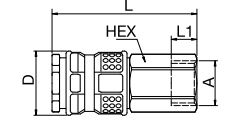
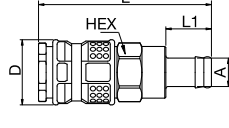
**TEESING**

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Couplings – with valve

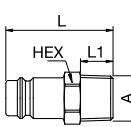
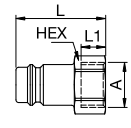
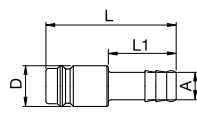
Series 1727KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 3/8	24	70	12	30	1727KAAK17SPN
	R 1/2	24	75	17	30	1727KAAK21SPN
	R 3/4	27	64	17	30	1727KAAK26SPN
 <p>Female Thread</p>	G 3/8	24	64,5	10	30	1727KAIW17SPN
	G 1/2	24	68	12	30	1727KAIW21SPN
	G 3/4	32	69	14	30	1727KAIW26SPN
 <p>Hose Barb</p>	10 mm	24	80	21	30	1727KATF10SPN
	13 mm	24	80	21	30	1727KATF13SPN
	16 mm	24	80	21	30	1727KATF16SPN



Plugs – without valve

Series 27SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	R 1/4	17	40	12		27SFAK13SXN
	R 3/8	17	40	12		27SFAK17SXN
	R 1/2	22	45	17		27SFAK21SXN
	R 3/4	27	48	19		27SFAK26SXN
 <p>Female Thread</p>	G 1/4	17	33	9		27SFIW13SXN
	G 3/8	19	33	12		27SFIW17SXN
	G 1/2	24	37	12		27SFIW21SXN
	G 3/4	32	42	16		27SFIW26SXN
 <p>Hose Barb</p>	6 mm		48	25	15	27SFTF06SXN
	8 mm		48	25	15	27SFTF08SXN
	9 mm		48	25	15	27SFTF09SXN
	10 mm		48	25	15	27SFTF10SXN
	13 mm		48	25	15	27SFTF13SXN
	16 mm		49	25	18	27SFTF16SXN
	19 mm		49	25	21	27SFTF19SXN

Nominal Diameter

10 = 80 mm²



Tema Series

1800



Series 1800 is used mainly for applications in the area of compressed air and liquids. The coupling system stands out for its robust, compact design and high corrosion resistance. Ultra High Flow valve for optimum flow and low pressure drop.

Series 1800 with additional end connections available on request.

Dust Protections  (P. 250) for Coupling Part.-No. 5026-QC for Plug Part.-No. 2526-QC

Working Temperature*
-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

Other designs in series 1800

The following other designs can be found from page:

- Stainless Steel P. 160



Working Pressure**

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

50 bar

Features

- Single-hand operation
- Particularly suited to medium-sized to large pneumatic systems and compressed air tools
- Two-hand operation
- Special disc shape of the main seal in the coupling extends the durability
- Particularly suited to applications in the area of liquids, which require a coupling that is simple and easy to handle

Material

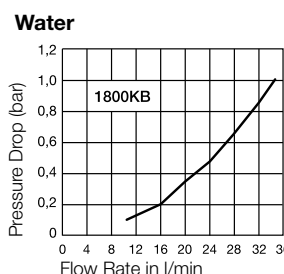
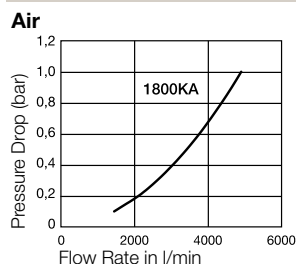
Coupling: Brass nickel plated and chrome plated
Plug: Steel hardened, zinc plated
Seals: NBR

Coupling: Brass nickel plated and chrome plated
Plug: Brass nickel plated and chrome plated
Seals: NBR

Interchangeability (KA only)

- Cejn 408

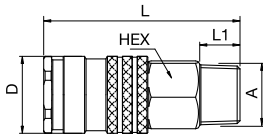
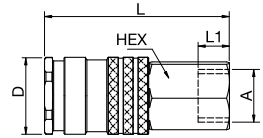
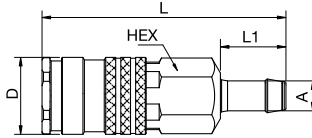
Flow diagrams





Couplings – with valve

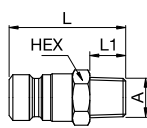
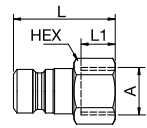
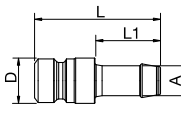
Series 1800KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	R 3/8	23	69	11	27	1800KAAK17MPN
	R 1/2	23	69	13	27	1800KAAK21MPN
	R 3/4	27	73	15	27	1800KAAK26MPN
 Female Thread	G 3/8	23	65	10	27	1800KAIW17MPN
	G 1/2	25	65	10	27	1800KAIW21MPN
	G 3/4	30	67	11	27	1800KAIW26MPN
 Hose Barb	10 mm	23	82	23	27	1800KATF10MPN
	13 mm	23	82	24	27	1800KATF13MPN
	16 mm	23	82	24	27	1800KATF16MPN
	19 mm	23	82	24	27	1800KATF19MPN



Plugs – without valve

Series 1800KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	R 1/8	17	36	10		1800SFAK10SXZ
	R 1/4	17	39	12		1800SFAK13SXZ
	G 1/4	17	35	9		1800SFAW13SXZ
	R 3/8	17	38	12		1800SFAK17SXZ
	G 3/8	22	36	10		1800SFAW17SXZ
	R 1/2	22	40	14		1800SFAK21SXZ
	R 3/4	27	43	16		1800SFAK26SXZ
 Female Thread	G 1/4	17	36	10		1800SFIW13SXZ
	G 3/8	22	36	10		1800SFIW17SXZ
	G 1/2	27	39	12		1800SFIW21SXZ
 Hose Barb	6 mm		44	23	16	1800SFTF06SXZ
	8 mm		44	23	16	1800SFTF08SXZ
	10 mm		44	23	16	1800SFTF10SXZ
	13 mm		45	24	16	1800SFTF12SXZ
	16 mm		47	24	18	1800SFTF16SXZ
	19 mm		47	24	23	1800SFTF19SXZ



Couplings – with valve

Series 1800KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Male Thread</p>	G 1/2	22	54	10	27	1800KBAW21MPN
<p>Female Thread</p>	G 3/8	22	54	9	27	1800KBIW17MPN
	G 1/2	25	55	9	27	1800KBIW21MPN
	G 3/4	30	57	11	27	1800KBIW26MPN



Plugs – with valve

Series 1800KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Male Thread</p>	1/2 - 14NPTF	22	47	19		1800SBAN21MPC
<p>Female Thread</p>	G 3/8	22	49	10		1800SBIW17MPC
	G 3/4	30	54	12		1800SBIW26MPC



Protective Sleeve

Series 1800KB



	Description	L mm	D mm	Version	Color	Part Number
	for Couplings 1800KB	78	38	EBA	blue	1800-351

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Cross-Reference-List

Connection	Thread	Rectus Part Number old	Tema Part Number old	Part Number new	Page
 Couplings – with valve					
Male Thread	R 3/8		1800 ED	1800KAAK17MPN	95
	R 1/2	32KAAK21MPN	1800 EA	1800KAAK21MPN	95
	R 3/4		1800 EF	1800KAAK26MPN	95
Female Thread	G 3/8	32KAIW17MPN	1800 E	1800KAIW17MPN	95
	G 1/2	32KAIW21MPN	1800 EB	1800KAIW21MPN	95
	G 3/4		1800 EC	1800KAIW26MPN	95
Hose Barb	10 mm	32KATF10MPN	1800 EK10	1800KATF10MPN	95
	13 mm	32KATF13MPN	1800 EK12	1800KATF13MPN	95
	16 mm	32KATF16MPN	1800 EK16	1800KATF16MPN	95
	19 mm	32KATF19MPN	1800 EK19	1800KATF19MPN	95
 Plugs – without valve					
Male Thread	R 1/8		18105	1800SFAK10SXZ	95
	R 1/4	32SFAK13SXZ	18110 A	1800SFAK13SXZ	95
	G 1/4		18110	1800SFAW13SXZ	95
	R 3/8	32SFAK17SXZ	18210 A	1800SFAK17SXZ	95
	G 3/8		18210	1800SFAW17SXZ	95
	R 1/2	32SFAK21SXZ	18220	1800SFAK21SXZ	95
	R 3/4		18230	1800SFAK26SXZ	95
Female Thread	G 1/4	32SFIW13SXZ	18405	1800SFIW13SXZ	95
	G 3/8	32SFIW17SXZ	18410	1800SFIW17SXZ	95
	G 1/2	32SFIW21SXZ	18420	1800SFIW21SXZ	95
Hose Barb	6 mm	32SFTF06SXZ	18006	1800SFTF06SXZ	95
	8 mm	32SFTF08SXZ	18008	1800SFTF08SXZ	95
	10 mm	32SFTF10SXZ	18010	1800SFTF10SXZ	95
	12 mm		18012	1800SFTF12SXZ	95
	16 mm	32SFTF16SXZ	18016	1800SFTF16SXZ	95
	19 mm	32SFTF19SXZ	18019	1800SFTF19SXZ	95

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 NA	1800KBAW21MPN	96
Female Thread	G 3/8		1800 N	1800KBIW17MPN	96
	G 1/2		1800 NB	1800KBIW21MPN	96
	G 3/4		1800 NC	1800KBIW26MPN	96
 Plugs – with valve					
Male Thread	1/2 - 14NPTF		18420 MN	1800SBAN21MPC	96
Female Thread	G 3/8		18410 MN	1800SBIW17MPC	96
	G 3/4		18430 MN	1800SBIW26MPC	96

Nominal Diameter

10 = 80 mm²

Rectus Series

34

Industrial coupling with Atlas Copco-Profile. Coupling system with single-hand operation. High Flow valve for optimum flow and low pressure drop. Optimal for use with large pneumatic consumers due to the robust design and steel sleeve. The collar design minimises damage to the valve body.

Series 34 with additional end connections available on request.

Dust Protections  (P. 250)
for Coupling Part.-No. SK27S

Working Temperature*
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass / Steel nickel plated

Plug: Steel nickel plated

Seals: NBR

Technical Description

Connecting Force 0 bar: 80 N

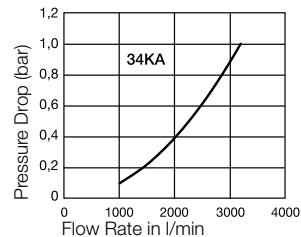
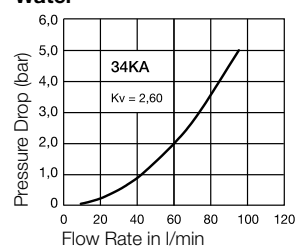
Connecting Force 6 bar: 200 N

Vacuum Coupling: 96%

Vacuum connected: 96%

Interchangeability (KA only)

- Atlas Copco QIC 15

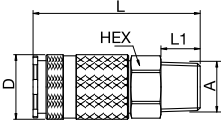
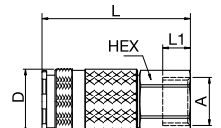
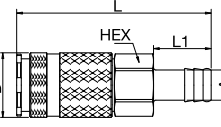
Flow diagrams**Air****Water****TEESING**

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Couplings – with valve

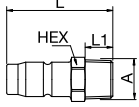
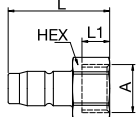
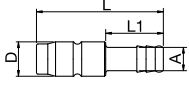
Series 34KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	R 3/8	24	70	12	28	34KAAK17SPN
	R 1/2	24	72	12	28	34KAAK21SPN
	R 3/4	27	72	12	28	34KAAK26SPN
 Female Thread	G 3/8	24	64	12	28	34KAIW17SPN
	G 1/2	24	64	12	28	34KAIW21SPN
 Hose Barb	10 mm	24	84	25	28	34KATF10SPN
	13 mm	24	84	25	28	34KATF13SPN
	16 mm	24	84	25	28	34KATF16SPN
	19 mm	24	84	25	28	34KATF19SPN



Plugs – without valve

Series 34KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 Male Thread	R 1/4	17	46	12		34SFAK13SXN
	R 3/8	19	46	12		34SFAK17SXN
	R 1/2	22	52	17		34SFAK21SXN
 Female Thread	G 3/8	19	40	9		34SFIW17SXN
	G 1/2	24	44	12		34SFIW21SXN
 Hose Barb	10 mm		55	25	15	34SFTF10SXN
	13 mm		55	25	15	34SFTF13SXN

Nominal Diameter

10 = 80 mm²

Rectus Series

41

Brass coupling with no valve for applications with liquids in the pressure range up to 35 bar. The couplings are corrosion resistant. The system stands out for a high flow with minimal pressure drop.

Series 41 with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass nickel plated

Plug: Brass nickel plated

Seals: NBR

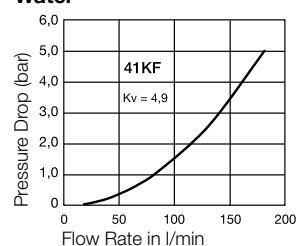
Technical Description

Connecting Force 0 bar: 10 N

Connecting Force 6 bar: 10 N

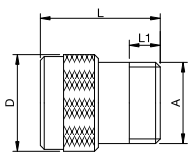
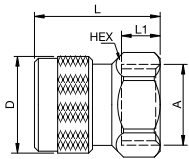
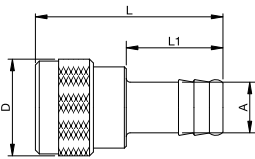
Interchangeability (KA only)

- Rectus 27
- Cejn 417

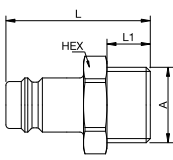
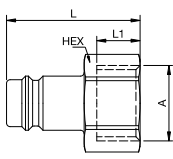
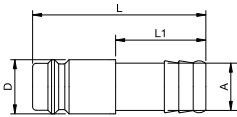
Flow diagrams**Water****TEESING**

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Couplings – without valve **Series 41KF**

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/2		31	8	25	41KFAW21MPN
 <p>Female Thread</p>	G 1/2	24	32,5	10	25	41KFIW21MPN
 <p>Hose Barb</p>	13 mm		48,5	25	25	41KFTF13MPN

Plugs – without valve **Series 41KF**

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/2	24	40	12		41SFAW21MXN
 <p>Female Thread</p>	G 1/2	24	37	12		41SFIW21MXN
 <p>Hose Barb</p>	13 mm		48	25	15	41SFTF13MXN
	16 mm		49	25	18	41SFTF16MXN
	19 mm		49	25	21	41SFTF19MXN

Nominal Diameter

11 = 95 mm²

Rectus Series

42

Brass coupling with no valve for applications with liquids in the pressure range up to 35 bar. The couplings are corrosion resistant. The system stands out for a high flow with minimal pressure drop.

Series 42 with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Brass chrome plated

Plug: Brass chrome plated

Seals: NBR

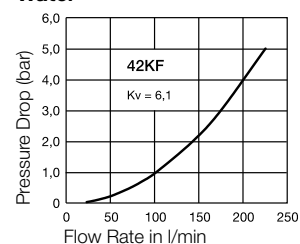
Technical Description

Connecting Force 0 bar: 15 N

Connecting Force 6 bar: 15 N

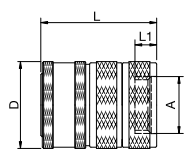
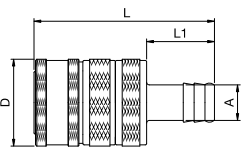
Interchangeability (KA only)

- ABA-Beul

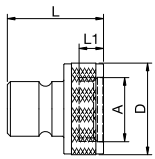
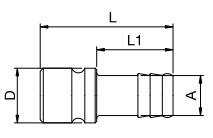
Flow diagrams**Water****TEESING**

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Couplings – without valve **Series 42KF**

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Female Thread</p>	G 1/2		34	8	32	42KFIW21MPC
	G 3/4		34	8	32	42KFIW26MPC
 <p>Hose Barb</p>	9 mm		55	25	32	42KFTF09MPC

Plugs – without valve **Series 42KF**

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Female Thread</p>	G 1/2		31,5	8	30	42SFIW21MXC
	G 3/4		31,5	8	30	42SFIW26MXC
 <p>Hose Barb</p>	13 mm		48	25	15	42SFTF13MXC

11 = 95 mm²**37**

Robust brass coupling system 1/2" according to ISO 6150 B and US MIL-SPEC 4109. Coupling system with single-hand operation. The high insertion depth is guaranteed by an optimised plug guide.

Series 37 with additional end connections available on request.

Dust Protections  (P. 250)
for Coupling Part.-No. SK27S
for Plug Part.-No. SK16S

Working Temperature*
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

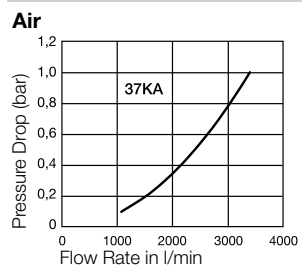
**Working Pressure****

35 bar

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

Material**Coupling:** Brass**Plug:** Steel nickel plated**Seals:** NBR**Technical Description****Connecting Force 0 bar:** 85 N**Connecting Force 6 bar:** 185 N**Vacuum Coupling:** 96%**Vacuum connected:** 96%**Interchangeability (KA only)**

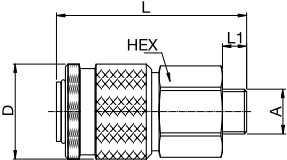
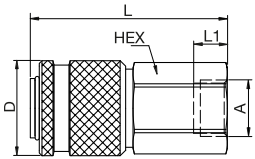
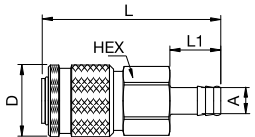
- Industrial Interchange 1/2"
- US-MIL-SPEC C-4109 1/2"
- ISO 6150-B
- Gromelle 1300
- Hansen 5000

Flow diagrams



Couplings – with valve

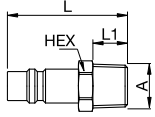
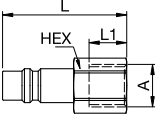
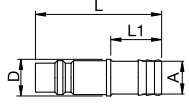
Series 37KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	G 1/2	30	76,5	12	35	blank	37KAAW21MPX
	G 1/2	30	76,5	12	35	nickel plated	37KAAW21MPN
	G 3/4	30	77,5	13	35	blank	37KAAW26MPX
 <p>Female Thread</p>	G 1/2	30	73	10	35	blank	37KAIW21MPX
 <p>Hose Barb</p>	13 mm	30	86	25	35	blank	37KATF13MPX
	19 mm	30	86	25	35	blank	37KATF19MPX



Plugs – without valve

Series 37KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	R 1/2	22	60	17			37SFAK21SXN
	R 3/4	27	61	19			37SFAK26SXN
 <p>Female Thread</p>	G 1/2	24	50	10			37SFIW21SXN
 <p>Hose Barb</p>	10 mm		62	25	17		37SFTF10SXN
	13 mm		62	25	17		37SFTF13SXN
	16 mm		62	25	18		37SFTF16SXN
	19 mm		72	35	21		37SFTF19SXN



German industrial profile for compressed air applications. High Flow valve for optimum flow and low pressure drop. Robust structure, optimised with respect to size and performance. Especially suitable for oscillating forces due to steel sleeve and steel valve bodies. The collar design minimises damage to the valve body.

Working Temperature*

-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

Series 57 with additional end connections available on request.



Working Pressure**

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

35 bar

Features

- Brass design particularly suited to use with liquids

Material

Coupling: Brass nickel plated
Plug: Steel nickel plated
Seals: NBR

Coupling: Brass nickel plated
Plug: Brass nickel plated
Seals: NBR

Technical Description

Connecting Force 0 bar: 150 N
Connecting Force 6 bar: 350 N

Dead space volume: 16 ml

Vacuum Coupling: 87%
Vacuum connected: 87%

Connecting Force 0 bar: 150 N
Connecting Force 6 bar: 350 N

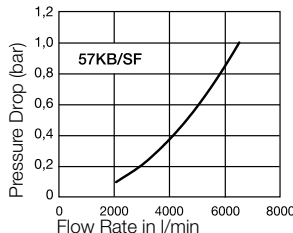
Vacuum Coupling: 96%
Vacuum Plug: 96%
Vacuum connected: 96%

Interchangeability (KA only)

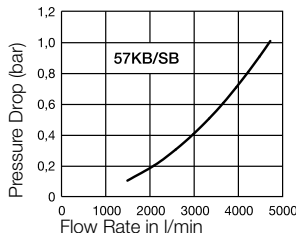
- Walther LP012

Flow diagrams

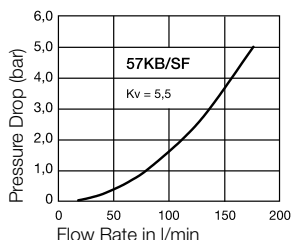
Air



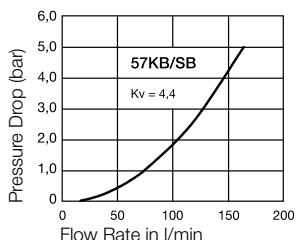
Air



Water



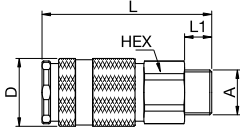
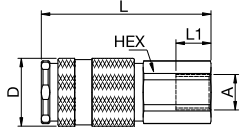
Water





Couplings – with valve

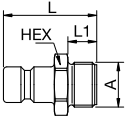
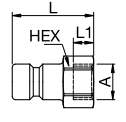
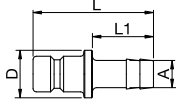
Series 57KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/2	34	98	12	40	57KBAW21BPN
	G 3/4	34	100	16	40	57KBAW26BPN
 <p>Female Thread</p>	G 1/2	34	100	19	40	57KBIW21BPN
	G 3/4	34	100	16	40	57KBIW26BPN



Plugs – without valve

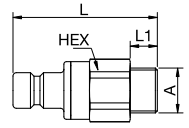
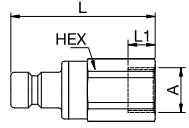
Series 57SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number	
 <p>Male Thread</p>	G 1/2	27	52	15		57SFAW21SXN	
 <p>Female Thread</p>	G 1/2	27	48	15		57SFIW21SXN	
	G 3/4	32	54	20		57SFIW26SXN	
 <p>Hose Barb</p>	16 mm		71	36	28	57SFTF16SXN	
	19 mm		71	36	28	57SFTF19SXN	



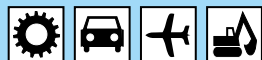
Plugs – with valve

Series 57SB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/2	34	83	12		57SBAW21MPN
	G 3/4	34	85	16		57SBAW26MPN
 <p>Female Thread</p>	G 1/2	34	85	19		57SBIW21MPN
	G 3/4	34	85	16		57SBIW26MPN

Nominal Diameter

12,4 = 120 mm²



Tema Series

1900



Robust, corrosion resistant coupling system in brass with high flow values for use with liquids in the pressure range up to 50 bar.

Two-hand operation, i.e. both hands are required when connect/disconnect. The main seal of the coupling has a special disc shape, which extends the durability of the coupling. To guarantee greater flexibility, we also offer plugs with no valve.

Working Temperature*

-40°C up to +150°C (EPDM) depending on the medium.

* For temperatures below -40°C and over +150°C and depending on the medium, other seal variants (NBR, FKM, FFKM) are available.

Series 1900 with additional end connections available on request.



Working Pressure**

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

50 bar

Material

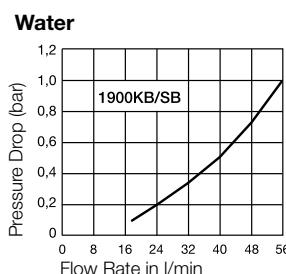
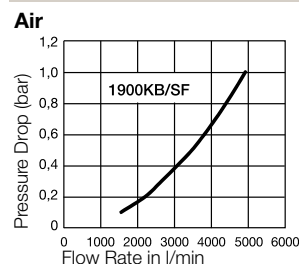
Coupling: Brass nickel plated and chrome plated
Plug: Brass nickel plated and chrome plated
Seals: EPDM

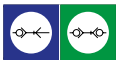
Coupling: Brass nickel plated and chrome plated
Plug: Brass nickel plated and chrome plated
Seals: EPDM

Interchangeability (KA only)

- Tema Design

Flow diagrams





Couplings – with valve

Series 1900KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Female Thread</p>	G 1/2	27	67	12	33	1900KBIW21MEN
	G 3/4	30	68	12	33	1900KBIW26MEN



Plugs – without valve

Series 1900SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Female Thread</p>	G 1/2	27	60	12		1900SFIW21MXC
	G 3/4	30	62	12		1900SFIW26MXC






Plugs – with valve

Series 1900SB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
<p>Female Thread</p>	G 1/2	27	60	12		1900SBIW21MEC
	G 3/4	30	62	12		1900SBIW26MEC

Cross-Reference-List

Connection	Thread	Rectus Part Number old	Tema Part Number old	Part Number new	Page
 Couplings – with valve					
Female Thread	G 1/2		1900 NBE	1900KBIW21MEN	113
	G 3/4		1900 NCE	1900KBIW26MEN	113
 Plugs – without valve					
Female Thread	G 1/2		19420 M	1900SFIW21MXC	113
	G 3/4		19430 M	1900SFIW26MXC	113
 Plugs – with valve					
Female Thread	G 1/2		19420 MNE	1900SBIW21MEC	113
	G 3/4		19430 MNE	1900SBIW26MEC	113

Nominal Diameter

13 = 130 mm²

Rectus Series

29

Robust coupling system in steel, which is particularly suited to use in the construction industry and mining. Coupling system with single-hand operation. High Flow valve for optimum flow and low pressure drop.

Series 29 with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Material

Coupling: Steel zinc plated

Plug: Steel zinc plated

Seals: NBR

Technical Description

Connecting Force 0 bar: 100 N

Connecting Force 6 bar: 400 N

Vacuum Coupling: 96%

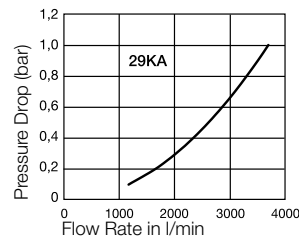
Vacuum connected: 96%

Interchangeability (KA only)

- Rectus Design

Flow diagrams

Air

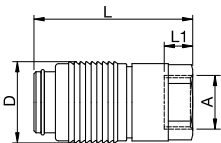
**TEESING**

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Couplings – with valve

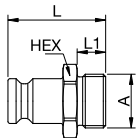
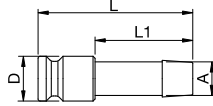
Series 29KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Female Thread</p>	G 1/2		78	13	40	29KAIW21SPZ
	G 3/4		78	16	40	29KAIW26SPZ



Plugs – without valve

Series 29KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/2	24	48	13		29SFAW21SPZ
 <p>Hose Barb</p>	13 mm		76	49	22	29SFTF13SPZ



Compact industrial coupling system in brass for use with numerous gaseous and liquid media. High Flow valve for optimum flow and low pressure drop.

Series 38 in brass material with nickel plating and with additional end connections available on request.

Working Temperature*
-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.



Working Pressure**

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

35 bar

Material

Coupling: Brass
Plug: Brass
Seals: NBR

Coupling: Brass
Plug: Brass
Seals: NBR

Technical Description

Connecting Force 0 bar: 80 N
Connecting Force 6 bar: 340 N

Vacuum Coupling: 70%
Vacuum connected: 87%

Dead space volume: 8,5 ml

Connecting Force 0 bar: 90 N
Connecting Force 6 bar: 350 N

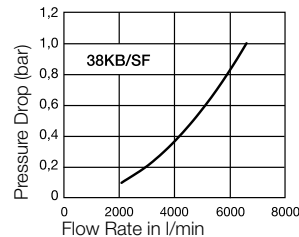
Vacuum Coupling: 96%
Vacuum Plug: 96%
Vacuum connected: 96%

Interchangeability (KA only)

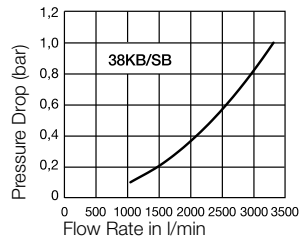
- Hansen 6000

Flow diagrams

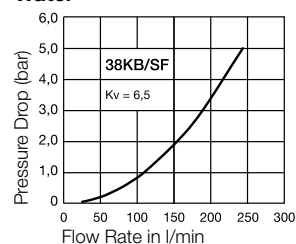
Air



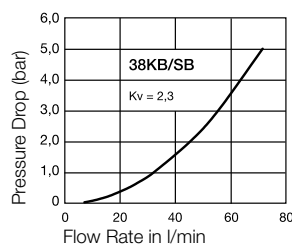
Air



Water



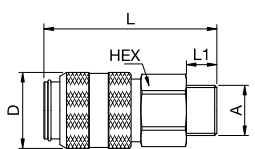
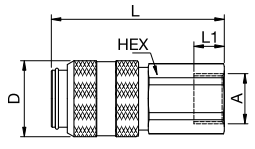
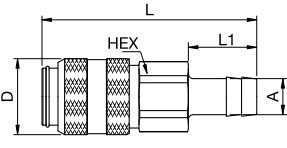
Water





Couplings – with valve

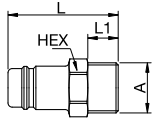
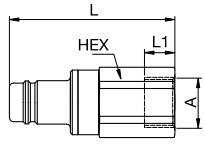
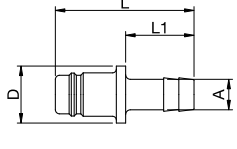
Series 38KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/2	34	89	12	40	38KBAW21MPX
	G 3/4	34	91	16	40	38KBAW26MPX
 <p>Female Thread</p>	G 1/2	34	95	20	40	38KBIW21MPX
	G 3/4	34	91	14	40	38KBIW26MPX
 <p>Hose Barb</p>	13 mm	34	105	28	40	38KBTf13MPX
	19 mm	34	113	36	40	38KBTf19MPX



Plugs – without valve

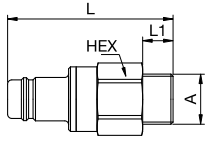
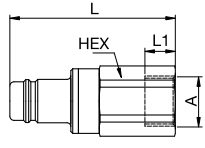
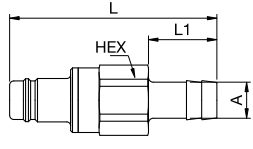
Series 38SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/2	24	54	12		38SFAW21MXX
	G 3/4	27	58	16		38SFAW26MXX
	G 1	36	63	19		38SFAW33MXX
 <p>Female Thread</p>	G 1/2	24	49	12		38SFIW21MXX
	G 3/4	30	54	18		38SFIW26MXX
	G 1	41	61	24		38SFIW33MXX
 <p>Hose Barb</p>	13 mm		65	28	30	38SFTF13MXX
	19 mm		73	36	30	38SFTF19MXX



Plugs – with valve

Series 38SB

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1/2	34	85	12		38SBAW21MPX
	G 3/4	34	87	16		38SBAW26MPX
 <p>Female Thread</p>	G 1/2	34	87	16		38SBIW21MPX
	G 3/4	34	87	16		38SBIW26MPX
 <p>Hose Barb</p>	13 mm	34	103	28		38SBTF13MPX
	19 mm	34	109	36		38SBTF19MPX



Compact industrial coupling system in brass for use with numerous gaseous and liquid media. High Flow valve for optimum flow and low pressure drop.

Series 39 in brass material without nickel plating and with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Working Pressure****

35 bar

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

Features**Material**

Coupling: Brass nickel plated
Plug: Brass
Seals: NBR

Technical Description

Connecting Force 0 bar: 120 N
Connecting Force 6 bar: 460 N

Vacuum Coupling: 60%



35 bar

Coupling: Brass nickel plated
Plug: Brass nickel plated
Seals: NBR

Dead space volume: 14,5 ml

Connecting Force 0 bar: 100 N
Connecting Force 6 bar: 450 N

Vacuum Coupling: 60%



8 bar

Coupling: Brass nickel plated
Plug: Brass nickel plated
Seals: NBR

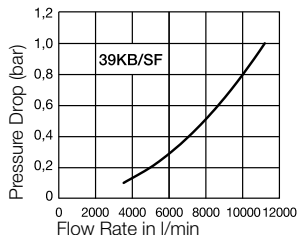
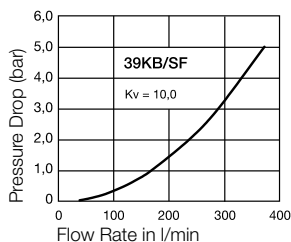
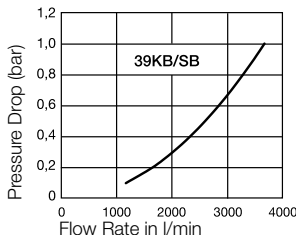
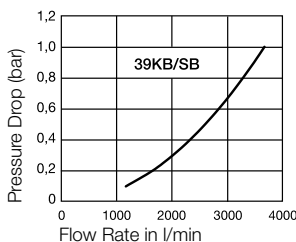
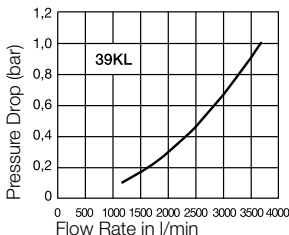
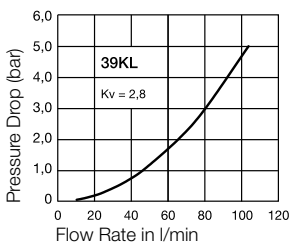
Connecting Force 0 bar: 100 N
Connecting Force 6 bar: 450 N

Vacuum Coupling: 96%
Vacuum connected: 96%

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

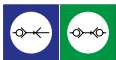
Interchangeability (KA only)

- Hansen 7000

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

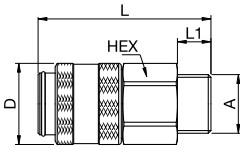
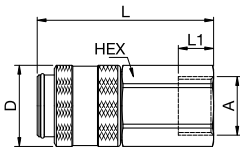
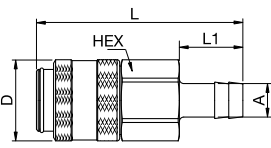
TEESING

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Couplings – with valve

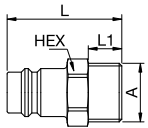
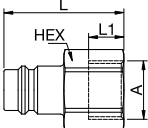
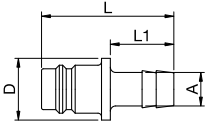
Series 39KB

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	G 1	41	98	19	46		39KBAW33MPN
 <p>Female Thread</p>	G 1	41	100	20	46		39KBIW33MPN
 <p>Hose Barb</p>	25 mm	41	125	48	46		39KBTf25MPN



Plugs – without valve

Series 39SF

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Male Thread</p>	G 3/4	30	60	16		blank	39SFAW26MXX
	G 1	34	65	19		nickel plated	39SFAW33MXN
 <p>Female Thread</p>	G 1	41	68	24		nickel plated	39SFIW33MXN
 <p>Hose Barb</p>	19 mm		75	36	35	nickel plated	39SFTF19MXN



Plugs – with valve

Series 39SB

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
<p>Male Thread</p>	G 1	41	95	19			39SBAW33MPN
<p>Female Thread</p>	G 1	41	97	24			39SBIW33MPN
<p>Hose Barb</p>	25 mm	41	124	48			39SBTF25MPN

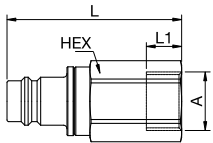
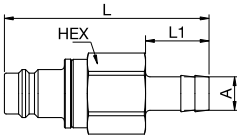


Couplings – flat sealing

Series 39KL

	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
<p>Male Thread</p>	G 1	41	98	19	46		39KLAW33MPN
<p>Female Thread</p>	G 1	41	100	20	46		39KLIW33MPN



	Connection A	HEX mm	L mm	L1 mm	D mm	Version	Part Number
 <p>Female Thread</p>	G 1	41	97	24			39SLIW33MPN
 <p>Hose Barb</p>	19 mm	41	114	36			39SLTF19MPN



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.

Series 70 with additional end connections available on request.

Working Temperature*

-20°C up to +100°C (NBR) depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.



Working Pressure**

see chart

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

Material

Coupling: Brass
Plug: Brass
Seals: NBR

Technical Description

Dead space volume: 0,45 ml

Connecting Force 0 bar: 55 N
Connecting Force 6 bar: 140 N

Vacuum Coupling: 96% *

Vacuum Plug: 96% *

Vacuum connected: 96% *

* Except for series 76, which is not suitable for vacuum applications.

Other designs in series 70

The following other designs can be found from page:

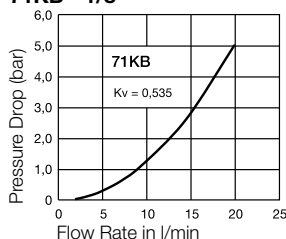
- ▶ Stainless Steel P. 164
- ▶ Thermoplastic P. 190

Interchangeability

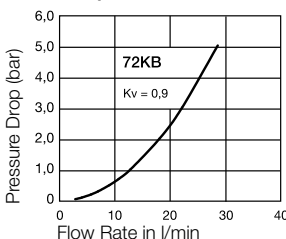
- ISO 7241-1 Series B

Flow diagrams Water

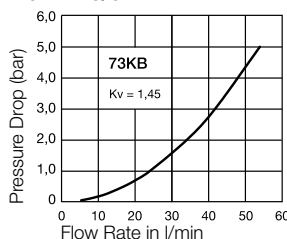
71KB - 1/8"



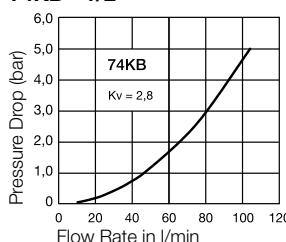
72KB - 1/4"



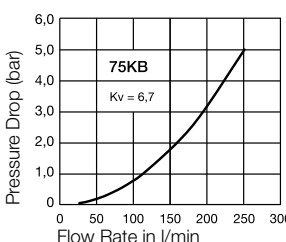
73KB - 3/8"



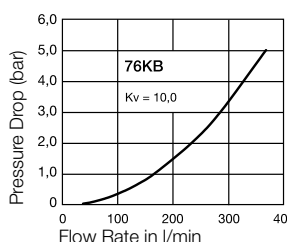
74KB - 1/2"



75KB - 3/4"



76KB - 1"

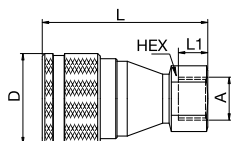




Couplings – with valve

Series 70KB

Size	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	D mm	Version	Working Pressure max. / bar	Part Number
1/8"	G 1/8	14		48,5	7	25	blank	250	71KBIW10MPX
1/8"	G 1/8	14		48,5	7	25	nickel plated	250	71KBIW10MPN
1/4"	G 1/4	19		57,5	10	25	blank	200	72KBIW13MPX
1/4"	G 1/4	19		57,5	10	25	nickel plated	200	72KBIW13MPN
3/8"	G 3/8	22		64	11,5	35	blank	200	73KBIW17MPX
3/8"	G 3/8	22		64	11,5	35	nickel plated	200	73KBIW17MPN
1/2"	G 1/2	27		76	16	44,5	blank	150	74KBIW21MPX
1/2"	G 1/2	27		76	16	44,5	nickel plated	150	74KBIW21MPN
3/4"	G 3/4	34		96	24	55	blank	100	75KBIW26MPX
3/4"	G 3/4	34		96	24	55	nickel plated	100	75KBIW26MPN
1"	G 1	41		105,5	24	62	blank	100	76KBIW33MPX
1"	G 1	41		105,5	24	62	nickel plated	100	76KBIW33MPN



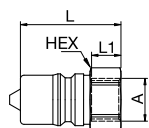
Female Thread



Plugs – with valve

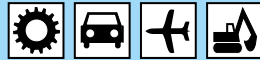
Series 70KB

Size	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	D mm	Version	Working Pressure max. / bar	Part Number
1/8"	G 1/8	14		29,5	7		blank	250	71SBIW10MPX
1/8"	G 1/8	14		29,5	7		nickel plated	250	71SBIW10MPN
1/4"	G 1/4	19		35	10		blank	200	72SBIW13MPX
1/4"	G 1/4	19		35	10		nickel plated	200	72SBIW13MPN
3/8"	G 3/8	22		39	11,5		blank	200	73SBIW17MPX
3/8"	G 3/8	22		39	11,5		nickel plated	200	73SBIW17MPN
1/2"	G 1/2	27		48	16		blank	150	74SBIW21MPX
1/2"	G 1/2	27		48	16		nickel plated	150	74SBIW21MPN
3/4"	G 3/4	36		60	24		blank	100	75SBIW26MPX
3/4"	G 3/4	36		60	24		nickel plated	100	75SBIW26MPN
1"	G 1	41		65	24		blank	100	76SBIW33MPX
1"	G 1	41		65	24		nickel plated	100	76SBIW33MPN



Female Thread

Nominal Diameter

22 = 380 mm²

Tema Series

2100

Series 2100 is used mainly in the area of compressed air. The system is particularly suited to large pneumatic plants and compressed air tools with a very high flow. This series has a special safety function, which requires a turn and push/pull movement during connection and disconnection. It also has an automatic pressure release function, which facilitates easy handling. A coupling system with very high flow rates, robust design, high corrosion resistance and a safety function. Ultra High Flow valve for optimum flow and low pressure drop.

Series 2100 with additional end connections available on request.

**Working Pressure****

20 bar

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

Material

Coupling: Brass / Steel hardened, zinc plated and passivated

Plug: Steel hardened, zinc plated and passivated

Seals: NBR

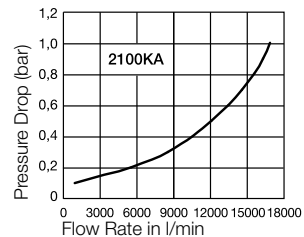
Dust Protections (P. 250)
for Coupling Part.-No. 10026
for Plug Part.-No. 5026-QC

Working Temperature*
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

Interchangeability (KA only)

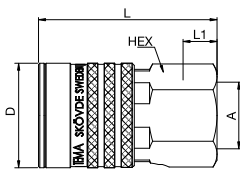
- Tema Design

Flow diagrams**Air**



Couplings – with valve

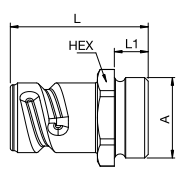
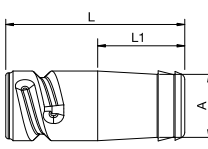
Series 2100KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Female Thread</p>	G 1	41	82	14	48	2100KAIW33MPX



Plugs – without valve

Series 2100KA

	Connection A	HEX mm	L mm	L1 mm	D mm	Part Number
 <p>Male Thread</p>	G 1	36	57	14		2100SFAW33SXZ
 <p>Hose Barb</p>	19 mm		74	36		2100SFTF19SXZ
	25 mm		40	36		2100SFTF25SXZ