Nominal Diameter

5 = 20 mm²

Rectus Series

21

Technical Description
Mini industrial coupling with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media.
It also uses an additional safety locking system. This prevents unintentional disconnection. When being disconnected, the plug must first be pushed further into the coupling before it can be disconnected.

Dust Protections **(P. 319)**
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.

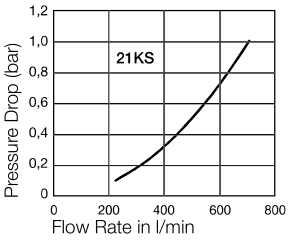
Other designs in series 21
The following other designs can be found from page:

- ➤ Brass / Steel P. 30
- ➤ Stainless Steel P. 192
- ➤ Thermoplastic P. 232
- ➤ Medical Technology (MD) P. 256
- ➤ Coded Systems P. 298

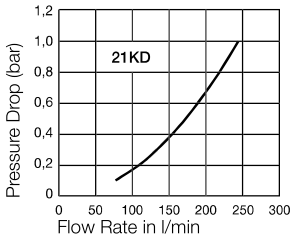
KS Single Shut-Off	KD Double Shut-Off
Working Pressure**	
35 bar ** maximum static working pressure with safety factor 4 to 1.	35 bar
Material	
Coupling: Brass **Plug:** Brass **Seals:** NBR	**Coupling:** Brass nickel plated **Plug:** Brass nickel plated **Seals:** NBR

Flow diagrams

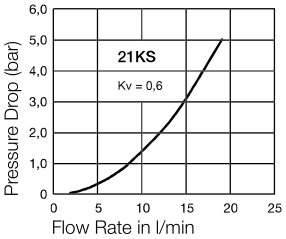
Air



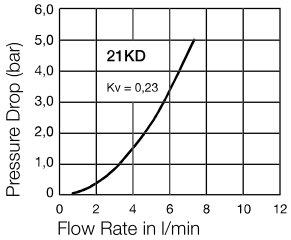
Air



Water

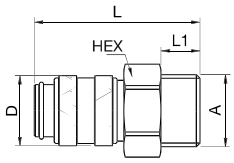
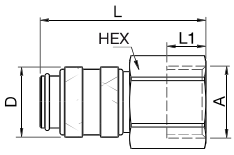
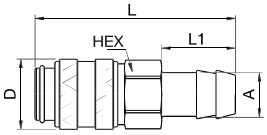
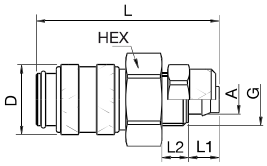


Water



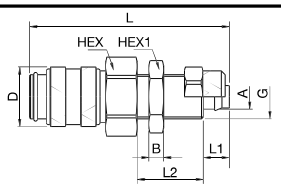
Couplings – with valve

Series 21KS

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/8	14		36	7		16			blank	21KSAW10MPX
	G 1/8	14		36	7		16			nickel plated	21KSAW10MPN
	G 1/4	17		38	9		16			blank	21KSAW13MPX
	G 1/4	17		38	9		16			nickel plated	21KSAW13MPN
	G 3/8	19		38	9		16			blank	21KSAW17MPX
	G 3/8	19		38	9		16			nickel plated	21KSAW17MPN
	M 12 x 1,5	17		39	10		16			blank	21KSAD12MPX
	M 12 x 1,5	17		39	10		16			nickel plated	21KSAD12MPN
	M 14 x 1,5	17		39	10		16			blank	21KSAD14MPX
	M 14 x 1,5	17		39	10		16			nickel plated	21KSAD14MPN
 Female Thread	G 1/8	14		36	9		16			blank	21KSIW10MPX
	G 1/8	14		36	9		16			nickel plated	21KSIW10MPN
	G 1/4	17		38	9		16			blank	21KSIW13MPX
	G 1/4	17		38	9		16			nickel plated	21KSIW13MPN
	G 3/8	19		38	6		16			blank	21KSIW17MPX
	G 3/8	19		38	6		16			nickel plated	21KSIW17MPN
	M 12 x 1,5	17		38	6		16			blank	21KSIM12MPX
	M 12 x 1,5	17		38	6		16			nickel plated	21KSIM12MPN
	M 14 x 1,5	17		38	6		16			blank	21KSIM14MPX
	M 14 x 1,5	17		38	6		16			nickel plated	21KSIM14MPN
 Hose Barb	4 mm	14		46	17		16			blank	21KSTF04MPX
	4 mm	14		46	17		16			nickel plated	21KSTF04MPN
	5 mm	14		46	17		16			blank	21KSTF05MPX
	5 mm	14		46	17		16			nickel plated	21KSTF05MPN
	6 mm	14		46	17		16			blank	21KSTF06MPX
	6 mm	14		46	17		16			nickel plated	21KSTF06MPN
	8 mm	14		46	17		16			blank	21KSTF08MPX
	8 mm	14		46	17		16			nickel plated	21KSTF08MPN
	9 mm	14		46	17		16			blank	21KSTF09MPX
	9 mm	14		46	17		16			nickel plated	21KSTF09MPN
	10 mm	14		46	17		16			blank	21KSTF10MPX
	10 mm	14		46	17		16			nickel plated	21KSTF10MPN
 with Plastic Hose Connection	4 x 6 mm	14		42	7	6	16		M 10 x 1	blank	21KSKO06MPX
	4 x 6 mm	14		42	7	6	16		M 10 x 1	nickel plated	21KSKO06MPN
	6 x 8 mm	14		42	7	6	16		M 12 x 1	blank	21KSKO08MPX
	6 x 8 mm	14		42	7	6	16		M 12 x 1	nickel plated	21KSKO08MPN

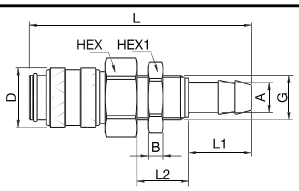
⚠ Please consider our security advices on the pages 12/13 ⚠

Couplings – with valve — Series 21KS



Panel Mount
with Plastic Hose Connection

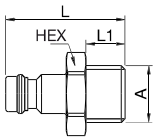
Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
4 x 6 mm	14	14	54	7	18	16	4	M 10 x 1	blank	21KSKS06MPX
4 x 6 mm	14	14	54	7	18	16	4	M 10 x 1	nickel plated	21KSKS06MPN
6 x 8 mm	17	17	54	7	18	16	4	M 12 x 1	blank	21KSKS08MPX
6 x 8 mm	17	17	54	7	18	16	4	M 12 x 1	nickel plated	21KSKS08MPN



Panel Mount with Hose Barb

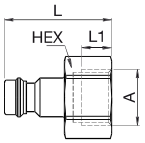
Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
4 mm	14	14	60	17	14	16	4	M 10 x 1	blank	21KSTS04MPX
4 mm	14	14	60	17	14	16	4	M 10 x 1	nickel plated	21KSTS04MPN
5 mm	17	17	60	17	14	16	4	M 12 x 1	blank	21KSTS05MPX
5 mm	17	17	60	17	14	16	4	M 12 x 1	nickel plated	21KSTS05MPN
6 mm	17	17	60	17	14	16	4	M 12 x 1	blank	21KSTS06MPX

Plugs – without valve — Series 21KS



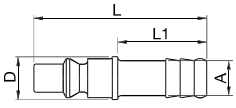
Male Thread

Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
G 1/8	14		25	7					blank	21SSAW10MXX
G 1/8	14		25	7					nickel plated	21SSAW10MXN
G 1/4	17		28	9					blank	21SSAW13MXX
G 1/4	17		28	9					nickel plated	21SSAW13MXN



Female Thread

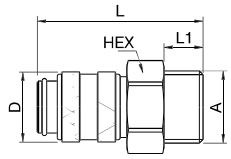
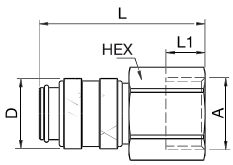
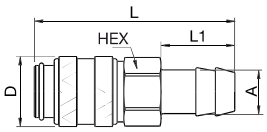
Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
G 1/8	14		25	8					blank	21SSIW10MXX
G 1/8	14		25	8					nickel plated	21SSIW10MXN
G 1/4	17		25	9					blank	21SSIW13MXX
G 1/4	17		25	9					nickel plated	21SSIW13MXN



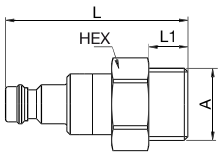
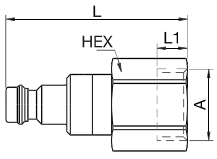
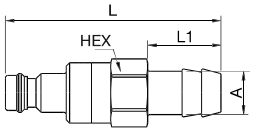
Hose Barb

Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
4 mm			32	17		9			blank	21SSTF04MXX
4 mm			32	17		9			nickel plated	21SSTF04MXN
6 mm			32	17		9			blank	21SSTF06MXX
6 mm			32	17		9			nickel plated	21SSTF06MXN
8 mm			32	17		9			blank	21SSTF08MXX
8 mm			32	17		9			nickel plated	21SSTF08MXN
9 mm			33	17		10			blank	21SSTF09MXX
9 mm			33	17		10			nickel plated	21SSTF09MXN
10 mm			33	17		12			blank	21SSTF10MXX
10 mm			33	17		12			nickel plated	21SSTF10MXN

Couplings – with valve — Series 21KD

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/8	14		36	7		16				21KDAW10MPN
	G 1/4	17		38	9		16				21KDAW13MPN
	G 3/8	19		38	9		16				21KDAW17MPN
 Female Thread	G 1/8	14		36	9		16				21KDIW10MPN
	G 1/4	17		38	9		16				21KDIW13MPN
	G 3/8	19		38	9		16				21KDIW17MPN
 Hose Barb	6 mm	14		46	17		16				21KDTF06MPN
	10 mm	14		46	17		16				21KDTF10MPN

Plugs – with valve — Series 21KD

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/8	14		40	7						21SDAW10MPN
	G 1/4	17		42	9						21SDAW13MPN
	G 3/8	19		42	9						21SDAW17MPN
 Female Thread	G 1/8	14		40	7						21SDIW10MPN
	G 1/4	17		42	7						21SDIW13MPN
 Hose Barb	6 mm	14		50	17						21SDTF06MPN
	10 mm	14		50	17						21SDTF10MPN

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