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Nom. Diameter 5 = 20 mm²
21 KA series

**Technical Description**

Our 21 series is a larger version of the 20 series. This single hand operated, quick connect coupling is ideal wherever space plays a major role. It can be supplied as straight through (no valve), single shut-off or double shut-off. This series is available in thermoplastics as well as RectuKey versions.

Advantages

A quality coupling which has the advantages of single hand operation and small size as well as a multitude of connecting options.

Applications

Laboratories, gas providing, presentation, learning systems, filling systems, breathing air, chemistry, just to avoid a mix of various mediums.

Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature

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

**Material Coupling**

Back Body
Valve Body
Sleeve
Valve
Spring and Locking Ring
Locking Balls
Seals

Standard Version

Brass
Brass
Brass
Brass
AISI 301
AISI 420
Buna N

Additional Versions**Nickel Plated**

Brass, Nickel Plated
Brass, Nickel Plated
Brass, Nickel Plated
Brass
AISI 301
AISI 420
Buna N

AISI 303

AISI 303
AISI 303
AISI 303
AISI 303
AISI 301
AISI 420
Viton®

AISI 316 Ti

AISI 316 Ti
AISI 316 Ti
AISI 316 Ti
AISI 316 Ti
AISI 316 Ti
AISI 420
Viton®

Plug

Brass

Brass, Nickel Plated

AISI 303

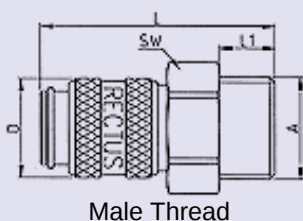
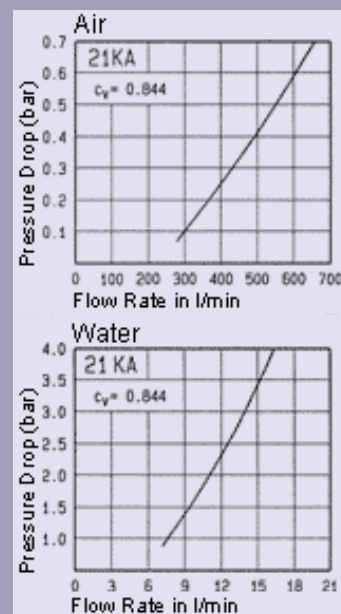
AISI 316 Ti

PDF-Documents

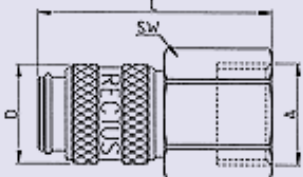
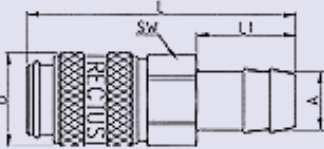
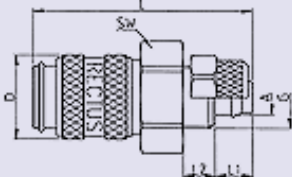
[Safety Instructions](#)

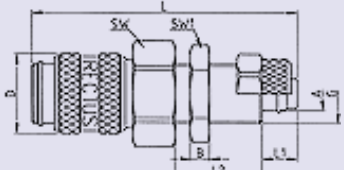
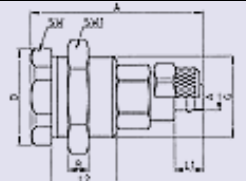
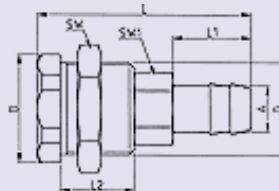
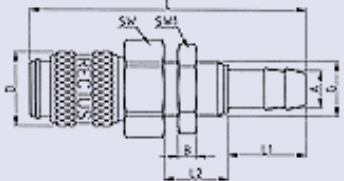
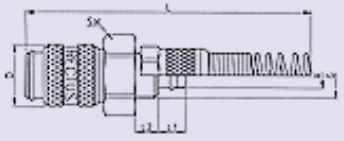
[Installation and maintenance instructions](#)

[Operating instructions](#)

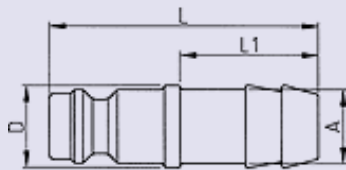
Chart

Couplings	Connection A	Hex	L	D	L1	L2	Hex1	B	G	Material	part number
	G 1/8	14	36	16	7					standard	21KAAW10MPX
										Nickel plated	21KAAW10MPN
										1.4305	21KAAW10RVX
										1.4571	21KAAW10EVX
	G 1/4	17	38	16	9					standard	21KAAW13MPX
										Nickel plated	21KAAW13MPN
										1.4305	21KAAW13RVX
										1.4571	21KAAW13EVX
	G 3/8	19	38	16	9					standard	21KAAW17MPX
										Nickel plated	21KAAW17MPN
										1.4305	21KAAW17RVX
										1.4571	21KAAW17EVX
	M 12 x 1,25	17	39	16	10					standard	21KAAD12MPX
										Nickel plated	21KAAD12MPN

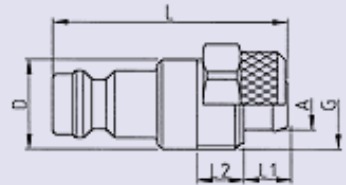
										1.4305	21KAAM12RVX	
	M 14 x 1,5	17	39	16	10					standard	21KAAD14MPX	
										Nickel plated	21KAAD14MPN	
										1.4305	21KAAM14RVX	
 Female Thread	G 1/8	14	36	16	9					standard	21KAIW10MPX	
										Nickel plated	21KAIW10MPN	
										1.4305	21KAIW10RVX	
										1.4571	21KAIW10EVX	
	G 1/4	17	38	16	9					standard	21KAIW13MPX	
										Nickel plated	21KAIW13MPN	
										1.4305	21KAIW13RVX	
										1.4571	21KAIW13EVX	
	G 3/8	19	38	16	9					standard	21KAIW17MPX	
										Nickel plated	21KAIW17MPN	
										1.4305	21KAIW17RVX	
										1.4571	21KAIW17EVX	
	M 12 x 1,5	17	38	16	6					standard	21KAIM12MPX	
										Nickel plated	21KAIM12MPN	
										1.4305	21KAIM12RVX	
	M 14 x 1,5	17	38	16	6					standard	21KAIM14MPX	
										Nickel plated	21KAIM14MPN	
										1.4305	21KAIM14RVX	
 Hose Barb	4 mm	14	46	16	17					standard	21KATF04MPX	
										Nickel plated	21KATF04MPN	
										1.4305	21KATF04RVX	
										1.4571	21KATF04EVX	
	6 mm	14	46	16	17					standard	21KATF06MPX	
										Nickel plated	21KATF06MPN	
										1.4305	21KATF06RVX	
										1.4571	21KATF06EVX	
	8 mm	14	46	16	17					standard	21KATF08MPX	
										Nickel plated	21KATF08MPN	
										1.4305	21KATF08RVX	
										1.4571	21KATF08EVX	
	9 mm	14	46	16	17					standard	21KATF09MPX	
										Nickel plated	21KATF09MPN	
										1.4305	21KATF09RVX	
										1.4571	21KATF09EVX	
	10 mm	14	46	16	17					standard	21KATF10MPX	
										Nickel plated	21KATF10MPN	
										1.4305	21KATF10RVX	
										1.4571	21KATF10EVX	
	6 mm Parker	14	50	16	20						standard	21KATP06MPX
											Nickel plated	21KATP06MPN
										1.4305	21KATP06RVX	
 Plastic Hose Connection	4 x 6 mm	14	42	16	7	6		M 10 x 1	standard	21KAKO06MPX		
										Nickel plated	21KAKO06MPN	
										1.4305	21KAKO06RVX	
										1.4571	21KAKO06EVX	
	6 x 8 mm	14	42	16	7	6		M 12 x 1	standard	21KAKO08MPX		
									Nickel plated	21KAKO08MPN		
									1.4305	21KAKO08RVX		
									1.4571	21KAKO08EVX		
	4 x 6 mm	14	54	16	7	18	14	4	M 10 x 1	standard	21KAKS06MPX	
										Nickel plated	21KAKS06MPN	
										1.4305	21KAKS06RVX	
										1.4571	21KAKS06EVX	
	6 x 8 mm	17	54	16	7	18	17	4	M 12 x 1	Standard	21KAKS08MPX	

											Nickel plated	21KAKS08MPN
											1.4305	21KAKS08RVX
Bulkhead Fitting for Plastic Hose Connection												
	4 x 6 mm	22	42	24	7	16	24	5	M 20x1	Standard		21KAKE06MPX
											Nickel plated	21KAKE06MPN
	6 x 8 mm	22	42	24	7	16	24	5	M 20 x 1	Standard		21KAKE08MPX
											Nickel plated	21KAKE08MPN
	4 mm	22	46	24	17	16	24	5	M 20 x 1	Standard		21KATE04MPX
											Nickel plated	21KATE04MPN
	6 mm	22	46	24	17	16	24	5	M 20 x 1	Standard		21KATE06MPX
											Nickel plated	21KATE06MPN
	8 mm	22	46	24	17	16	24	5	M 20 x 1	Standard		21KATE08MPX
											Nickel plated	21KATE08MPN
	9 mm	22	46	24	17	16	24	5	M 20 x 1	Standard		21KATE09MPX
											Nickel plated	21KATE09MPN
	10 mm	22	46	24	17	16	24	5	M 20 x 1	Standard		21KATE10MPX
											Nickel plated	21KATE10MPN
	4 mm	14	60	16	17	14	14	4	M 10 x 1	Standard		21KATS04MPX
											Nickel plated	21KATS04MPN
	5 mm	17	60	16	17	14	17	4	M 12 x 1	Standard		21KATS05MPX
											Nickel plated	21KATS05MPN
											1.4305	21KATS05RVX
	6 mm	17	60	16	17	14	17	4	M 12 x 1	Standard		21KATS06MPX
											Nickel plated	21KATS06MPN
											1.4305	21KATS06RVX
	8 mm	17	60	16	17	14	17	4	M 12 x 1	Standard		21KATS08MPX
											Nickel plated	21KATS08MPN
											1.4305	21KATS08RVX
	10 mm	17	60	16	17	14	19	4	M 14 x 1	Standard		21KATS10MPX
											Nickel plated	21KATS10MPN
	4 x 6 mm	14	125	16	7	6			M 10 x 1	Standard		21KAKK06MPX
											Nickel plated	21KAKK06MPN
	6 x 8 mm	14	130	16	7	6			M 10 x 1	Standard		21KAKK08MPX
											Nickel plated	21KAKK08MPN

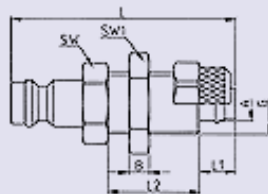
Plug	Connection A	Hex	L	D	L1	L2	Hex1	B	G	Material	part number
	4 mm		32	9	17					Standard	21SFTF04MXX
										Nickel plated	21SFTF04MXN
										1.4305	21SFTF04RXX
	5 mm		32	9	17					Standard	21SFTF05MXX
										Nickel plated	21SFTF05MXN
										1.4305	21SFTF05RXX
	6 mm		32	9	17					Standard	21SFTF06MXX
										Nickel plated	21SFTF06MXN
										1.4305	21SFTF06RXX
										1.4571	21SFTF06EXX
	8 mm		32	9	17					Standard	21SFTF08MXX
										Nickel plated	21SFTF08MXN
										1.4305	21SFTF08RXX



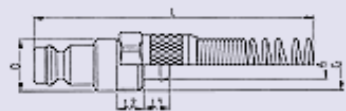
Hose Barb



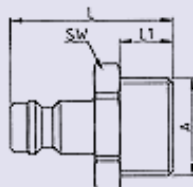
Plastic Hose Connection



Bulkhead Fitting for Kunststoffschlauch

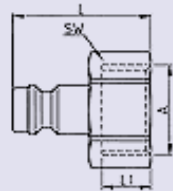


Spring Guard

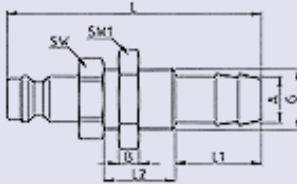


Male Thread

										1.4571	21SFTF08EXX
9 mm		33	10	17						Standard	21SFTF09MXX
										Nickel plated	21SFTF09MXN
										1.4305	21SFTF09RXX
										1.4571	21SFTF09EXX
10 mm		33	12	17						Standard	21SFTF10MXX
										Nickel plated	21SFTF10MXN
										1.4305	21SFTF10RXX
										1.4571	21SFTF10EXX
6 mm Parker		36	16	20						Standard	21SFTP06MXX
										Nickel plated	21SFTP06MXN
										1.4305	21SFTP06RXX
4 x 6 mm		32	10	6	6			M 10 x 1		Standard	21SFKO06MXX
										Nickel plated	21SFKO06MXN
										1.4305	21SFKO06RXX
										1.4571	21SFKO06EXX
6 x 8 mm		32	12	6	6			M 12 x 1		Standard	21SFKO08MXX
										Nickel plated	21SFKO08MXN
										1.4305	21SFKO08RXX
										1.4571	21SFKO08EXX
8 x 10 mm	17	36		9	8			M 16 x 1		Standard	21SFKO10MXX
										Nickel plated	21SFKO10MXN
8 x 12 mm	17	36		9	8			M 16 x 1		Standard	21SFKO12MXXS
										Nickel plated	21SFKO12MXNS
4 x 6 mm	14	43		7	18	12	3	M 10 x 1		Standard	21SFKS06MXX
										Nickel plated	21SFKS06MXN
										1.4305	21SFKS06RXX
										1.4571	21SFKS06EXX
6 x 8 mm	14	44		7	18	17	4	M 12 x 1		Standard	21SFKS08MXX
										Nickel plated	21SFKS08MXN
										1.4305	21SFKS08RXX
4 x 6 mm		115		6	6			M 10 x 1		Standard	21SFKK06MXX
										Nickel plated	21SFKK06MXN
6 x 8 mm		120		6	6			M 12 x 1		Standard	21SFKK08MXX
										Nickel plated	21SFKK08MXN
G 1/8	14	25		7						Standard	21SFAW10MXX
										Nickel plated	21SFAW10MXN
										1.4305	21SFAW10RXX
										1.4571	21SFAW10EXX
G 1/4	17	28		9						Standard	21SFAW13MXX
										Nickel plated	21SFAW13MXN
										1.4305	21SFAW13RXX
										1.4571	21SFAW13EXX
G 3/8	19	28		9						Standard	21SFAW17MXX
										Nickel plated	21SFAW17MXN
										1.4305	21SFAW17RXX
										1.4571	21SFAW17EXX
M 10x 1	14	26		8						Standard	21SFAD10MXX
										Nickel plated	21SFAD10MXN
										1.4305	21SFAM10RXX
M 12 x 1,5	17	28		10						Standard	21SFAD12MXX
										Nickel plated	21SFAD12MXN
										1.4305	21SFAM12RXX
M 14 x 1,5	17	28		10						Standard	21SFAD14MXX
										Nickel plated	21SFAD14MXN

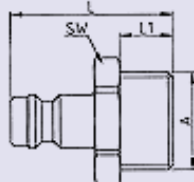


Female Thread



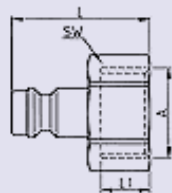
Bulkhead Fitting for Hose Barb

									1.4305	21SFAD14RXX
G 1/8	14	25	8						Standard	21SFIW10MXX
									Nickel plated	21SFIW10MXN
									1.4305	21SFIW10RXX
									1.4571	21SFIW10EXX
G 1/4	17	25	9						Standard	21SFIW13MXX
									Nickel plated	21SFIW13MXN
									1.4305	21SFIW13RXX
									1.4571	21SFIW13EXX
G 3/8	19	26	9						Standard	21SFIW17MXX
									Nickel plated	21SFIW17MXN
									1.4305	21SFIW17RXX
									1.4571	21SFIW17EXX
M 10x 1	14	26	9						Standard	21SFIM10MXX
									Nickel plated	21SFIM10MXN
									1.4305	21SFIM10RXX
M 12 x 1,5	17	27	10						Standard	21SFIM12MXX
									1.4305	21SFIM12RXX
M 14 x 1,5	17	27	10						Standard	21SFIM14MXX
									Nickel plated	21SFIM14MXN
									1.4305	21SFIM14RXX
									Nickel plated	21SFIM12MXN
4 mm	14	50	17	14	14	4	M 10 x 1		Standard	21SFTS04MXX
									Nickel plated	21SFTS04MXN
5 mm	14	50	17	14	17	4	M 12 x 1		Standard	21SFTS05MXX
									Nickel plated	21SFTS05MXN
6 mm	14	50	17	14	17	4	M 12 x 1		Standard	21SFTS06MXX
									Nickel plated	21SFTS06MXN
8 mm	14	50	17	14	17	4	M 12 x 1		Standard	21SFTS08MXX
									Nickel plated	21SFTS08MXN
9 mm	14	50	17	14	17	4	M 12 x 1		Standard	21SFTS09MXX
									Nickel plated	21SFTS09MXN
10 mm	17	50	17	14	19	4	M 14 x 1		Standard	21SFTS10MXX
									Nickel plated	21SFTS10MXN

Plug

Male Thread

Connection A	Hex	L	D	L1	L2	Hex1	B	G	Material	part number
G 1/8	14	25	7						Standard	21SFAW10MXX
									Nickel plated	21SFAW10MXN
									1.4305	21SFAW10RXX
									1.4571	21SFAW10EXX
G 1/4	17	28	9						Standard	21SFAW13MXX
									Nickel plated	21SFAW13MXN
									1.4305	21SFAW13RXX
									1.4571	21SFAW13EXX
G 3/8	19	28	8						Standard	21SFAW17MXX
									Nickel plated	21SFAW17MXN
									1.4305	21SFAW17RXX
									1.4571	21SFAW17EXX
M 10 x 1	14	26	8						Standard	21SFAD10MXX
									Nickel plated	21SFAD10MXN
									1.4305	21SFAM10RXX
M 12 x 1,5	17	28	10						Standard	21SFAD12MXX
									Nickel plated	21SFAD12MXN
									1.4305	21SFAM12RXX
M 14 x 1,5	17	28	10						Standard	21SFAD14MXX
									Nickel plated	21SFAD14MXN
									1.4305	21SFAD14RXX
G 1/8	14	25	8						Standard	21SFIW10MXX



Female Thread

								Nickel plated	21SFIW10MXN
								1.4305	21SFIW10RXX
								1.4571	21SFIW10EXX
G 1/4	17	25	9					Standard	21SFIW13MXX
								Nickel plated	21SFIW13MXN
								1.4305	21SFIW13RXX
								1.4571	21SFIW13EXX
G 3/8	19	26	9					Standard	21SFIW17MXX
								Nickel plated	21SFIW17MXN
								1.4305	21SFIW17RXX
								1.4571	21SFIW17EXX
M 10 x 1	14	26	9					Standard	21SFIM10MXX
								Nickel plated	21SFIM10MXN
								1.4305	21SFIM10RXX
M 12 x 1,5	17	27	10					Standard	21SFIM12MXX
								Nickel plated	21SFIM12MXN
								1.4305	21SFIM12RXX
M 14 x 1,5	17	27	10					Standard	21SFIM14MXX
								Nickel plated	21SFIM14MXN
								1.4305	21SFIM14RXX