



NEWS / HOME

Products

Single Shut-Off
Double Shut-Off
Safety
Thermoplastic
Water Applications
RectuKey
TEMA
NYCOIL
System Components

History

Representatives

Jobs

Contact

Search

Press

Nom. Diameter 5 = 20 mm²
21 KA series

**Technical Description**

The 21 KA series is a small, single hand operated quick connect coupling with high air flow. This series has excellent capabilities wherever space plays a major role. The 21 series provides an excellent solution for the connecting of different mediums with the inherent danger of making the wrong connection. Four standard codes with matching colors for the coupling and the respective plugs make sure there is no mix-up of the mediums when connecting. Double shut-off and straight through couplings are available on request.

Advantages

A quality coupling with small dimensions. Single handed operation, high flow rate for its size. Multiple connection options. Cannot be interconnected with the standard 21 series.

Applications

Laboratories, gas providing, 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
Aluminium, elox.
Brass
Stainless Steel, AISI 301
Stainless Steel, AISI 420
Buna N

Additional Version Nickel Plated

Brass, Nickel Plated
Brass, Nickel Plated
Aluminium, elox.
Brass
AISI 301
AISI 420
Buna N

Plug

Brass
with anodized aluminium
designation

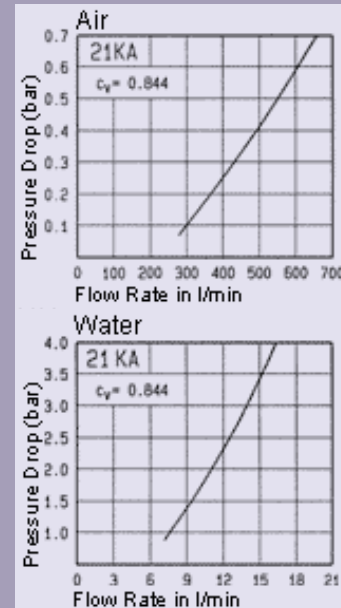
Brass, Nickel Plated
with anodized aluminium
designation

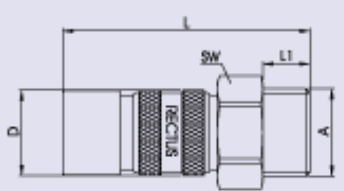
see **Part Number MPX, MXX**

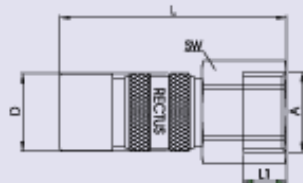
see Part Number MPN, MXN

PDF-Documents

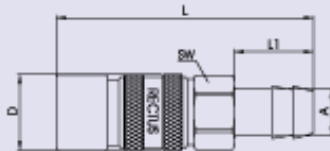
[Safety Instructions](#)
[Installation and maintenance instructions](#)
[Operating instructions](#)

Chart

Couplings	A	Hex	L	D	L1	L2	Hex1	B	G	colour	part number
 Male Thread	G 1/8	14	47	16	7					green	21KA AW10MPXO
										green	21KA AW10MPNO
	G 1/8	14	47	16	7					brown	21KA AW10MPX3
										brown	21KA AW10MPN3
	G 1/8	14	47	16	7					blue	21KA AW10MPX6
										blue	21KA AW10MPN6
	G 1/8	14	47	16	7					red	21KA AW10MPX8
										red	21KA AW10MPN8
	G 1/4	17	47	16	9					green	21KA AW13MPXO
										green	21KA AW13MPNO
	G 1/4	17	47	16	9					brown	21KA AW13MPX3
										brown	21KA AW13MPN3

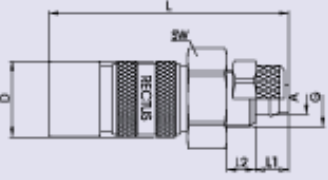
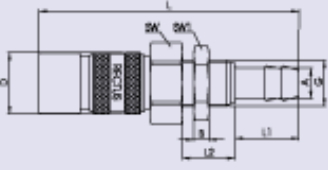


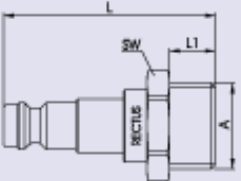
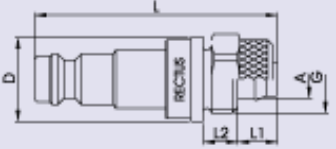
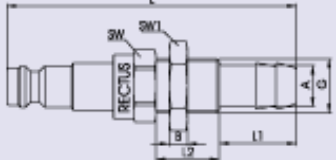
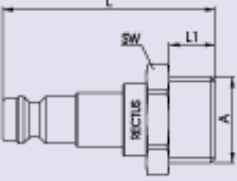
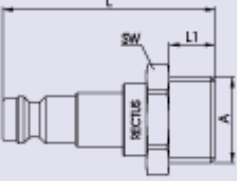
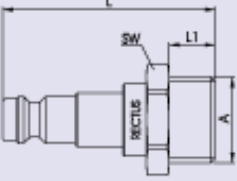
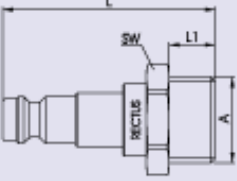
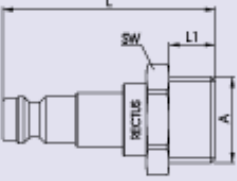
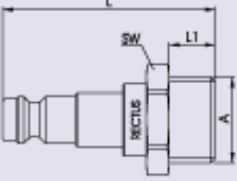
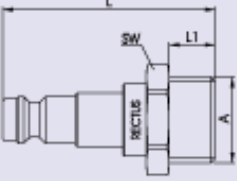
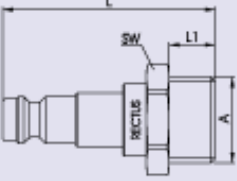
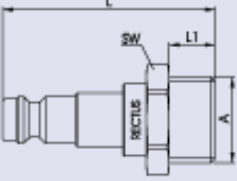
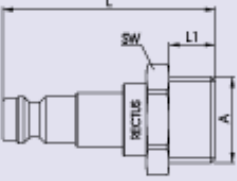
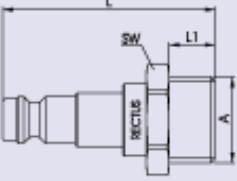
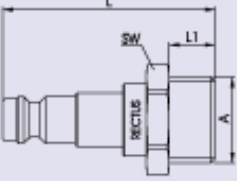
Female Thread

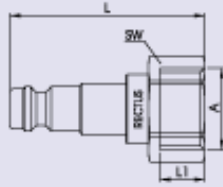


Hose Barb

G 1/4	17	47	16	9				blue	21KAAW13MPX6
								blue	21KAAW13MPN6
G 1/4	17	47	16	9				red	21KAAW13MPX8
								red	21KAAW13MPN8
G 1/8	14	47	16	7				green	21KAIW10MPXO
								green	21KAIW10MPNO
G 1/8	14	47	16	7				brown	21KAIW10MPX3
								brown	21KAIW10MPN3
G 1/8	14	47	16	7				blue	21KAIW10MPX6
								blue	21KAIW10MPN6
G 1/8	14	47	16	7				red	21KAIW10MPX8
								red	21KAIW10MPN8
G 1/4	17	47	16	9				green	21KAIW13MPXO
								green	21KAIW13MPNO
G 1/4	17	47	16	9				brown	21KAIW13MPX3
								brown	21KAIW13MPN3
G 1/4	17	47	16	9				blue	21KAIW13MPX6
								blue	21KAIW13MPN6
G 1/4	17	47	16	9				red	21KAIW13MPX8
								red	21KAIW13MPN8
4 mm	14	69	16	17				green	21KATF04MPXO
								green	21KATF04MPNO
4 mm	14	69	16	17				brown	21KATF04MPX3
								brown	21KATF04MPN3
4 mm	14	69	16	17				blue	21KATF04MPX6
								blue	21KATF04MPN6
4 mm	14	69	16	17				red	21KATF04MPX8
								red	21KATF04MPN8
6 mm	14	69	16	17				green	21KATF06MPXO
								green	21KATF06MPNO
6 mm	14	69	16	17				brown	21KATF06MPX3
								brown	21KATF06MPN3
6 mm	14	69	16	17				blue	21KATF06MPX6
								blue	21KATF06MPN6
6 mm	14	69	16	17				red	21KATF06MPX8
								red	21KATF06MPN8
8 mm	14	69	16	17				green	21KATF08MPXO
								green	21KATF08MPNO
8 mm	14	69	16	17				brown	21KATF08MPX3
								brown	21KATF08MPN3
8 mm	14	69	16	17				blue	21KATF08MPX6
								blue	21KATF08MPN6
8 mm	14	69	16	17				red	21KATF08MPX8
								red	21KATF08MPN8
9 mm	14	69	16	17				green	21KATF09MPXO
								green	21KATF09MPNO
9 mm	14	69	16	17				brown	21KATF09MPX3
								brown	21KATF09MPN3
9 mm	14	69	16	17				blue	21KATF09MPX6
								blue	21KATF09MPN6
9 mm	14	69	16	17				red	21KATF09MPX8
								red	21KATF09MPN8
10 mm	14	69	16	17				green	21KATF10MPXO
								green	21KATF10MPNO
10 mm	14	69	16	17				brown	21KATF10MPX3
								brown	21KATF10MPN3
10 mm	14	69	16	17				blue	21KATF10MPX6
								blue	21KATF10MPN6

 Plastic Hose Connection	10 mm	14	69	16	17					red	21KATF10MPX8
										red	21KATF10MPN8
	4 x 6 mm	14	51	16	7	6			M 10 x 1	green	21KAKO06MPXO
										green	21KAKO06MPNO
	4 x 6 mm	14	51	16	7	6			M 10 x 1	brown	21KAKO06MPX3
										brown	21KAKO06MPN3
	4 x 6 mm	14	51	16	7	6			M 10 x 1	blue	21KAKO06MPX6
										blue	21KAKO06MPN6
	4 x 6 mm	14	51	16	7	6			M 10 x 1	red	21KAKO06MPX8
										red	21KAKO06MPN8
	6 x 8 mm	14	51	16	7	6			M 12 x 1	green	21KAKO08MPXO
										green	21KAKO08MPNO
	6 x 8 mm	14	51	16	7	6			M 12 x 1	brown	21KAKO08MPX3
										brown	21KAKO08MPN3
	6 x 8 mm	14	51	16	7	6			M 12 x 1	blue	21KAKO08MPX6
										blue	21KAKO08MPN6
	6 x 8 mm	14	51	16	7	6			M 12 x 1	red	21KAKO08MPX8
										red	21KAKO08MPN8
	4 mm	14	69	16	14	17	14	4	M 10 x 1	green	21KATS04MPXO
										green	21KATS04MPNO
	4 mm	14	69	16	14	17	14	4	M 10 x 1	brown	21KATS04MPX3
										brown	21KATS04MPN3
	4 mm	14	69	16	14	17	14	4	M 10 x 1	blue	21KATS04MPX6
										blue	21KATS04MPN6
	4 mm	14	69	16	14	17	14	4	M 10 x 1	red	21KATS04MPX8
										red	21KATS04MPN8
	5 mm	14	69	16	14	17	17	4	M 12 x 1	green	21KATS05MPXO
										green	21KATS05MPNO
	5 mm	14	69	16	14	17	17	4	M 12 x 1	brown	21KATS05MPX3
										brown	21KATS05MPN3
	5 mm	14	69	16	14	17	17	4	M 12 x 1	blue	21KATS05MPX6
										blue	21KATS05MPN6
	5 mm	14	69	16	14	17	17	4	M 12 x 1	red	21KATS05MPX8
										red	21KATS05MPN8
	6 mm	14	69	16	14	17	17	4	M 12x1	green	21KATS06MPXO
										green	21KATS06MPNO
	6 mm	14	69	16	14	17	17	4	M 12x1	brown	21KATS06MPX3
										brown	21KATS06MPN3
	6 mm	14	69	16	14	17	17	4	M 12x1	blue	21KATS06MPX6
										blue	21KATS06MPN6
	6 mm	14	69	16	14	17	17	4	M 12 x 1	red	21KATS06MPX8
										red	21KATS06MPN8
	8 mm	14	69	16	14	17	17	4	M 12 x 1	green	21KATS08MPXO
										green	21KATS08MPNO
	8 mm	14	69	16	14	17	17	4	M 12 x 1	brown	21KATS08MPX3
										brown	21KATS08MPN3
	8 mm	14	69	16	14	17	17	4	M 12 x 1	blue	21KATS08MPX6
										blue	21KATS08MPN6
	8 mm	14	69	16	14	17	17	4	M 12 x 1	red	21KATS08MPX8
										red	21KATS08MPN8
 Bulkhead Fitting for Hose Barb	Plug										
	A	Hex	L	D	L1	L2	Hex1	B	G	colour	part number
	4 mm		47	15	17					green	21SFTF04MXXO
										green	21SFTF04MXNO
	4 mm		47	15	17					brown	21SFTF04MXX3
										brown	21SFTF04MXN3
	4 mm		47	15	17					blue	21SFTF04MXX6
										blue	21SFTF04MXN6

 Hose Barb	4 mm		47	15	17					red	21SFTF04MXX8
										red	21SFTF04MXN8
	6 mm		47	15	17					green	21SFTF06MXXO
 Plastic Hose Connection										green	21SFTF06MXNO
	6 mm		47	15	17					brown	21SFTF06MXX3
										brown	21SFTF06MXN3
 Bulkhead Fitting for Hose Barb	6 mm		47	15	17					blue	21SFTF06MXX6
										blue	21SFTF06MXN6
	6 mm		47	15	17					red	21SFTF06MXX8
 Male Thread										red	21SFTF06MXN8
	4 x 6 mm		43	15	7	6			M 10 x 1	green	21SFKO06MXXO
										green	21SFKO06MXNO
 Male Thread	4 x 6 mm		43	15	7	6			M 10 x 1	brown	21SFKO06MXX3
										brown	21SFKO06MXN3
	4 x 6 mm		43	15	7	6			M 10 x 1	blue	21SFKO06MXX6
 Male Thread										blue	21SFKO06MXN6
	4 x 6 mm		43	15	7	6			M 10 x 1	red	21SFKO06MXX8
										red	21SFKO06MXN8
 Male Thread	6 x 8 mm		43,5	15	7	6			M 12 x 1	green	21SFKO08MXXO
										green	21SFKO08MXNO
	6 x 8 mm		43,5	15	7	6			M 12 x 1	brown	21SFKO08MXX3
 Male Thread										brown	21SFKO08MXN3
	6 x 8 mm		43,5	15	7	6			M 12 x 1	blue	21SFKO08MXX6
										blue	21SFKO08MXN6
 Male Thread	6 x 8 mm		43,5	15	7	6			M 12 x 1	red	21SFKO08MXX8
										red	21SFKO08MXN8
	4 mm	17	63		17	14	14	4	M 10 x 1	green	21SFTS04MXXO
 Male Thread										green	21SFTS04MXNO
	4 mm	17	63		17	14	14	4	M 10 x 1	brown	21SFTS04MXX3
										brown	21SFTS04MXN3
 Male Thread	4 mm	17	63		17	14	14	4	M 10 x 1	blue	21SFTS04MXX6
										blue	21SFTS04MXN6
	4 mm	17	63		17	14	14	4	M 10 x 1	red	21SFTS04MXX8
 Male Thread										red	21SFTS04MXN8
	6 mm	17	63		17	14	17	4	M 12 x 1	green	21SFTS06MXXP
										green	21SFTS06MXNO
 Male Thread	6 mm	17	63		17	14	17	4	M 12 x 1	brown	21SFTS06MXX3
										brown	21SFTS06MXN3
	6 mm	17	63		17	14	17	4	M 12 x 1	blue	21SFTS06MXX6
 Male Thread										blue	21SFTS06MXN6
	6 mm	17	63		17	14	17	4	M 12 x 1	red	21SFTS06MXX8
										red	21SFTS06MXN8
Plug											
 Male Thread	A	Hex	L	D	L1	L2	Hex1	B	G	colour	part number
	G 1/8	17	39,5		7					green	21SFAW10MXXO
										green	21SFAW10MXNO
	G 1/8	17	39,5		7					brown	21SFAW10MXX3
										brown	21SFAW10MXN3
	G 1/8	17	39,5		7					blue	21SFAW10MXX6
										blue	21SFAW10MXN6
	G 1/8	17	39,5		7					red	21SFAW10MXX8
										red	21SFAW10MXN8
	G 1/4	17	41,5		9					green	21SFAW13MXXO
										green	21SFAW13MXNO
	G 1/4	17	41,5		9					brown	21SFAW13MXX3
										brown	21SFAW13MXN3
	G 1/4	17	41,5		9					blue	21SFAW13MXX6
										blue	21SFAW13MXN6



Female Thread

G 1/4	17	41,5	9					red	21SFAW13MXX8
								red	21SFAW13MXN8
G 1/8	17	38,5	5					green	21SFIW10MXXO
								green	21SFIW10MXNO
G 1/8	17	38,5	5					brown	21SFIW10MXX3
								brown	21SFIW10MXN3
G 1/8	17	38,5	5					blue	21SFIW10MXX6
								blue	21SFIW10MXN6
G 1/8	17	38,5	5					red	21SFIW10MXX8
								red	21SFIW10MXN8
G 1/4	17	39	7					green	21SFIW13MXXO
								green	21SFIW13MXNO
G 1/4	17	39	7					brown	21SFIW13MXX3
								brown	21SFIW13MXN3
G 1/4	17	39	7					blue	21SFIW13MXX6
								blue	21SFIW13MXN6
G 1/4	17	39	7					red	21SFIW13MXX8
								red	21SFIW13MXN8