



Nominal Diameter

5

 = 20 mm²

RECTUS Series



90KA

actual size



Technical Description

Small, splash-protected industrial coupling, specially developed for liquid media as the plug profile acts as a seal before the coupling valve is opened. Series 90 is a variant of series 21. Pin locking. Enlarged external sleeve diameter of 20 mm.

Advantages

Single handed operation. No loss through leakage during coupling.

Working Pressure

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

Interchangeability

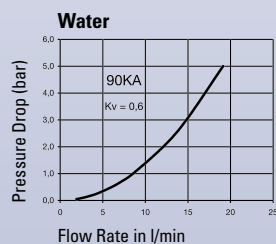
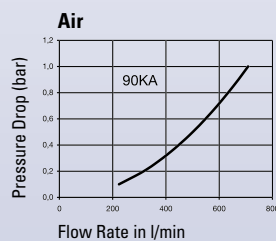
RECTUS 21
CAMOZZI
EWO
KANI

Working Temperature*

-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316° (FFKM)
depending on the medium

*At a temperature below -20°C and above +100°C specials seals are available on request.

Chart



Material

Coupling

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

Standard

Brass
Brass
Brass
Brass
AISI 301
AISI 420
NBR

Nickel Plated

Brass, Nickel Plated
Brass, Nickel Plated
Brass, Nickel Plated
Brass
AISI 301
AISI 420
NBR

Plug (21 Series)

Plug

Brass

Brass, Nickel Plated

Couplings

RECTUS Series 90KA

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	DS
<p>Male Thread</p>	G 1/8	14	36	20	7					Standard	90KA AW10 MPX	■ □
										Nickel Plated	90KA AW10 MPN	■ □
	G 1/4	17	38	20	9					Standard	90KA AW13 MPX	■ □
										Nickel Plated	90KA AW13 MPN	■ □
<p>Female Thread</p>	G 3/8	19	39	20	9					Standard	90KA AW17 MPX	■ □
										Nickel Plated	90KA AW17 MPN	■ □
	G 1/4	17	38	20	9					Standard	90KA IW13 MPX	■ □
										Nickel Plated	90KA IW13 MPN	■ □
	G 3/8	19	38	20	9					Standard	90KA IW17 MPX	■ □
										Nickel Plated	90KA IW17 MPN	■ □

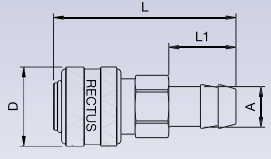
DS = Delivery Status: ■ in stock

■ on short call

■ medium term delivery

Couplings

RECTUS Series 90KA

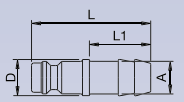


Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	DS
6 mm	14	46	20	17					Standard	90KA TF06 MPX	■ □
									Nickel Plated	90KA TF06 MPN	■ □
8 mm	14	46	20	17					Standard	90KA TF08 MPX	■ □
									Nickel Plated	90KA TF08 MPN	■ □
9 mm	14	46	20	17					Standard	90KA TF09 MPX	■ □
									Nickel Plated	90KA TF09 MPN	■ □
10 mm	14	46	20	17					Standard	90KA TF10 MPX	■ □
									Nickel Plated	90KA TF10 MPN	■ □

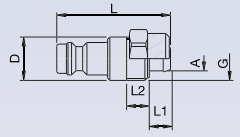
Plugs

RECTUS Series 21SF

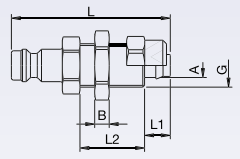


Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	DS
4 mm		32	9	17					Standard	21SF TF04 MXX	■ ■
									Nickel Plated	21SF TF04 MXN	■ ■
5 mm		32	9	17					Standard	21SF TF05 MXX	■ ■
									Nickel Plated	21SF TF05 MXN	■ ■
6 mm		32	9	17					Standard	21SF TF06 MXX	■ ■
									Nickel Plated	21SF TF06 MXN	■ ■
8 mm		32	9	17					Standard	21SF TF08 MXX	■ ■
									Nickel Plated	21SF TF08 MXN	■ ■
9 mm		32	9	17					Standard	21SF TF09 MXX	■ ■
									Nickel Plated	21SF TF09 MXN	■ ■
10 mm		32	9	17					Standard	21SF TF10 MXX	■ ■
									Nickel Plated	21SF TF10 MXN	■ ■
4 x 6 mm		32	10	6	6			M 10 x 1	Standard	21SF K006 MXX	■ ■
									Nickel Plated	21SF K006 MXN	■ ■
6 x 8 mm		32	12	6	6			M 12 x 1	Standard	21SF K008 MXX	■ ■
									Nickel Plated	21SF K008 MXN	■ ■
8 x 10 mm	17	36		9	8			M 16 x 1	Standard	21SF K010 MXX	■ □
									Nickel Plated	21SF K010 MXN	■ □
8 x 12 mm	17	36		9	8			M 16 x 1	Standard	21SF K012 MXXS	■ □
									Nickel Plated	21SF K012 MXNS	■ □
4 x 6 mm	14	43		7	18	12	3	M 10 x 1	Standard	21SF KS06 MXX	■ ■
									Nickel Plated	21SF KS06 MXN	■ ■
4 x 6 mm	14	44		7	18	17	4	M 12 x 1	Standard	21SF KS08 MXX	■ ■
									Nickel Plated	21SF KS08 MXN	■ ■



Plastic Hose Connection

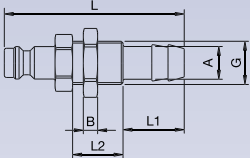
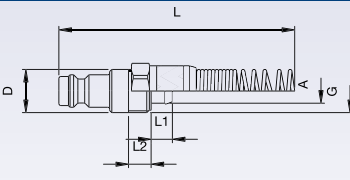


Panel Mount, Plastic Hose Connection

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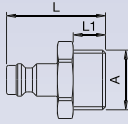
Plugs

RECTUS Series 21SF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number	DS	
 <p>Panel Mount Hose Barb</p>	4 mm	14	50		17	14	14	4	M 10 x 1	Standard	21SF TS04 MXX	■	
										Nickel Plated	21SF TS04 MXN	■	
	5 mm	14	50		17	14	17	4	M 12 x 1	Standard	21SF TS05 MXX	■	
										Nickel Plated	21SF TS05 MXN	■	
	6 mm	14	50		17	14	17	4	M 12 x 1	Standard	21SF TS06 MXX	■	
										Nickel Plated	21SF TS06 MXN	■	
	8 mm	14	50		17	14	17	4	M 10 x 1	Standard	21SF TS08 MXX	■	
										Nickel Plated	21SF TS08 MXN	■	
	9 mm	14	50		17	14	17	4	M 10 x 1	Standard	21SF TS09 MXX	■	
										Nickel Plated	21SF TS09 MXN	■	
	10 mm	17	50		17	14	19	4	M 14 x 1	Standard	21SF TS10 MXX	■	
										Nickel Plated	21SF TS10 MXN	■	
 <p>Plastic Hose Connection with Spring Guard</p>	4 x 6 mm		115		6	6			M 10 x 1	Standard	21SF KK06 MXX	■	
										Nickel Plated	21SF KK06 MXN	■	
	6 x 8 mm		120		6	6				M 12 x 1	Standard	21SF KK08 MXX	■
										Nickel Plated	21SF KK08 MXN	■	

Plugs

RECTUS Series 21SF

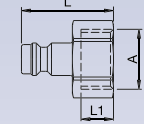
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number	DS	
 <p>Male Thread</p>	G 1/8	14	25		7					Standard	21SF AW10 MXX	■	
										Nickel Plated	21SF AW10 MXN	■	
	G 1/4	17	28		9						Standard	21SF AW13 MXX	■
											Nickel Plated	21SF AW13 MXN	■
	G 3/8	19	28		9						Standard	21SF AW17 MXX	■
											Nickel Plated	21SF AW17 MXN	■
	ISO 8434-1 M 10 x 1	14	26		8						Standard	21SF AD10 MXX	■
											Nickel Plated	21SF AD10 MXN	■
	ISO 8434-1 M 12 x 1,5	17	28		10						Standard	21SF AD12 MXX	■
											Nickel Plated	21SF AD12 MXN	■
	ISO 8434-1 M 14 x 1,5	19	28		10						Standard	21SF AD14 MXX	■
											Nickel Plated	21SF AD14 MXN	■

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□ medium term delivery



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	DS
G 1/8	17	28		9					Standard	21SF IW10 MXX	■
									Nickel Plated	21SF IW10 MXN	■
G 1/4	17	25		9					Standard	21SF IW13 MXX	■
									Nickel Plated	21SF IW13 MXN	■
G 3/8	17	25		9					Standard	21SF IW17 MXX	■
									Nickel Plated	21SF IW17MXN	■
M 10 x 1	14	26		9					Standard	21SF IM10 MXX	■
									Nickel Plated	21SF IM10 MXN	■□
M 12 x 1,5	17	28		10					Standard	21SF IM12 MXX	■
									Nickel Plated	21SF IM12 MXN	■□
M 14 x 1,5	19	28		10					Standard	21SF IM14 MXX	■
									Nickel Plated	21SF IM14 MXN	■□

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□ medium term delivery