Pneumatic Catalogue 2012

Quick Coupling Systems for Pneumatic and Fluid Handling

aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding

Parker

ENGINEERING YOUR SUCCESS.

Structure of Part Numbers

Hose Connection
TF = Hose Barb
TH = Hose Barb 45°
TR = Hose Barb 90°
TZ = Straight shaft parallel
TP = for Parker plug-in Hose
TS = Panel Mount with Hose Barb
TD = Hose Barb DIN EN 560
TE = Front Panel Installation, Hose Barb Panel Mount

Plastic Tube Connection
KO = with Hose Nut, without spring guard
KR = 90° KO - connection
KS = Panel mounted, without spring guard
KK = with spring guard
KE = Front panel installation with KO - connection
KP = Plastic tube connection (hard plastic hoses, only for RECTUCHEM)

Other Connections
KL = Insert for plug-in connection
PV = Fixing connection for PVC hoses
DS = Double plug-in nippel
PH = Parker 45°

Male Thread
AW = Whitworth pipe thread ISO 228 parallel
AM = Metric thread DIN 13
AK = Whitworth pipe thread DIN 2999 tapered
AN = NPT thread ANSI B 1.20.1 tapered
AD = Metric thread DIN 2353 (ISO 8434-1)
WP = Whitworth pipe thread ISO 228 Serto Plan
MP = Metric thread DIN 13 Serto Plan
SW = Panel mount Whitworth pipe thread ISO 228 Serto Plan
SM = Panel mount metric thread DIN 13 Serto Plan
AL = Whitworth pipe thread ISO 228 parallel left
AR = 90° Whitworth pipe thread DIN 2999 tapered
AE = Front Panel Installation with Whitworth pipe thread ISO 228 parallel
AJ = UNF thread (JIC) with 37° cone by SAE J 514

Female Thread
IW = Whitworth pipe thread ISO 228 parallel
IM = Metric thread DIN 13
IK = Whitworth pipe thread ISO 7 corresponding DIN 2999 tapered
IN = NPSF-thread ANSI B 1.20.3
IT = NPT thread tapered ANSI B 1.20.1
IF = UNF-thread
IL = Whitworth pipe thread ISO 228 parallel left

Adding 1
S = Marking for special version
0 = RECTUKey round
3 = RECTUKey triangle
6 = RECTUKey hexagon
8 = RECTUKey octagon

21 KA AW 13 M P X X X

Series No:

Couplings
KA = Single Shut-Off
KB = Double Shut-Off
KF = Straight-Through
KL = Dry-Break (double shut-off)
KE = Self-Venting System
KS = Safety (single shut-off)
KD = Safety (double shut-off)
KR = Safety (straight through)

Plugs
SF = Straight-Through
SB = Double Shut-Off
SL = Dry-Break (double shut-off)
SS = Safety (straight-through)
SD = Safety (double shut-off)
SR = Recoil Eliminator

Metric Thread
05 = M5
10 = M10x1
12 = M12x1,5
14 = M14x1,5
16 = M16x1,5
18 = M18x1,5

Thread Sizes
10 = 1/8”
13 = 1/4”
17 = 3/8”
21 = 1/2”
26 = 3/4”
33 = 1”
38 = 1 1/8”
42 = 1 1/4”
48 = 1 1/2”
54 = 1 3/4”
60 = 2”

Hose Connection
03 = for 3 mm LW (1/8”)
04 = for 4 mm LW (3/16”)
06 = for 5 mm LW (1/4”)
08 = for 8 mm LW (5/16”)
09 = for 9 mm LW (3/8”)
13 = for 13 mm LW (1/2”)
19 = for 19 mm LW (3/4”)
25 = for 25 mm LW (1”)

Plastic Hose
04 = for 3 x 4 mm
05 = for 3 x 5 mm
36 = for 3 x 6,3 mm
06 = for 4 x 6 mm
46 = for 4 x 6,3 mm
08 = for 6 x 8 mm
10 = for 8 x 10 mm
12 = for 9 x 12 mm
16 = for 13 x 16 mm

Material
M = Brass CuZn39Pb3 2.0401 (except sleeve)
B = Brass CuZn39Pb3 2.0401 (completely)
S = Steel 9SMnPb28K 1.0718
R = Stainless Steel AISI 303
H = Stainless Steel AISI 316 LMO
E = Stainless Steel AISI 316 L
K = Thermoplastics
D = POM (Delrin)
F = PVDF

Seal
X = without seal
P = Perbunan NBR
V = FKM/FPM
E = Ethylene-Propylene EPDM
S = Silicone
K = FFKM

Surface
X = without surface treatment
N = Nickel plated
C = Chrome plated
Z = Zinc plated
D = Durnicoated (chemic. zinc plated)
B = Browning (steel black)
G = Zinc plated and yellow chromated
P = Passivated
P = Pressure springs made of PEEK (only for RECTUCHEM+)
F = chemically nickel plated and chrome plated (Flashchrome)
S = zinc plated and black chromated

Adding 2 Color coding for plastic
B = Blue
G = Green
R = Red
Y = Yellow

Key to Symbols in Application Area

MachineryConstruction	Electrical Engineering
Medical Technology	Mobile Hydraulics
Food Technology	Aeronautics
Safety Technology	Trade
Chemical Technology	Automotive

Important Notes:

- Please note that the technical data, specifications and drawings in the catalogue are not binding. This information is subject to change without notice in the interest of improvement.
- We reserve the right to make technical modifications for the purposes of improvement.
- April 2012: With the actual catalogue the older versions are no longer valid.
- The interchangeability is guaranteed under the assumption that the manufacturer of the relevant product has not changed any functional part in the meantime.
- You will find important safety instructions on pages 12 and 13.

ARE YOU HOPING TO FIND WITHOUT LOOKING? THEN WE HAVE JUST THE THING FOR YOU!

Low Pressure Systems

This chapter provides information on all coupling systems and accessory parts for use with pressures of up to 35 bar. These are primarily Rectus brand products – for use in the area of liquid and gaseous media.

Here you will also find our wide range of hoses for various applications.

YOU CAN NEVER HAVE TOO MANY GOOD CONNECTIONS.

Decades of experience in the construction and production of high quality coupling sys-tems for the widest variety of media for pneumatic and fluid handling – that is what our customers value about us.

With the internationally established Rectus and Tema product brands, you can be certain that the know-how of our engineers is always available and reliable.

RECTUS®

For decades, Rectus quick connect couplings have been a name for the highest precision and reliability. The low pressure systems are used in many sectors, primarily for compressed air, but also for connections with liquid media.

THE RIGHT SOLUTION FOR EVERY SECTOR!

Whether under water, in aerospace, on the high seas, on the street, or in industry – our quick connect coupling systems are at home in many domains and represent the right solution in numerous technical applications.

The modular structure of our series allows you to benefit from a wide standard range, which includes a suitable system for most applications – just-in-time goes without saying.

YOU KNOW YOUR APPLICATIONS, WE KNOW THE RIGHT COUPLING SYSTEM!

Industrial Sectors/ Application Areas	Straight Through KF	Single Shut-Off KA	Double Shut-Off KB	Dry-Break KL	Thermoplastic Couplings POM/PVDF	Stainless Steel Couplings	Safety Couplings	FlatFace Couplings
Compressed Air	●	●	○	○	○	○	●	○
Air	●	●	○	○	○	○	○	○
Breathing Air	○	●	●	○	○	○	●	○
Gases	○	●	●	●	○	○	●	○
Liquid Gases	○	○	●	●	○	○	●	●
Water*	●	●	●	●	○	○	○	○
Liquid Media	○	●	●	●	●	○	●	●
Aggressive Media	○	○	●	●	●	●	●	●
Chemicals	○	○	●	●	●	●	●	●
Machinery/Systems Manufacturing	○	●	○	●	○	○	●	○
Welding	○	●	○	○	○	○	○	○
Molding	●	●	●	○	○	○	○	○
Automation	○	●	○	○	○	○	○	○
Robotics	○	●	●	●	○	○	○	○
Textile Industry	○	●	○	○	○	○	○	○
Medical Equipment	●	●	●	●	●	●	●	●
Food and Beverage Industry	○	○	○	○	●	●	○	○
Chemical Industry	○	○	●	●	●	●	●	●
Pharmaceutical Industry	○	○	●	●	●	●	●	●
Laboratory	○	●	●	●	●	●	●	●
Analysis Technology	○	○	●	●	●	●	○	○
Steel Manufacturing	○	●	○	○	○	○	●	○
Rafi neries	○	○	●	●	○	●	●	●
Paper Production	○	●	●	○	○	●	○	●
Rescue and Safety	○	●	●	●	○	●	●	○
Aerospace Technology	○	○	○	○	○	●	●	○
Shipyards	○	●	●	○	○	●	○	○
Semiconductor Technology	○	○	●	●	●	●	○	●
Laser Technology	○	○	●	●	○	●	○	○
Nuclear Power	○	○	●	○	○	●	●	○

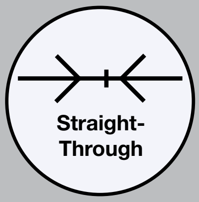
* only systems with valve and sleeve made of brass

COUPLING QUICKLY AND SAFELY WITH ONE HAND!

The development of the single-hand quick connect coupling made a decisive contribution to improving work safety and functionality. In order to create a connection, the plug is simply pushed into the coupling. This causes the sleeve to spring forward and lock automatically. When uncoupling, the sleeve is pushed back with one hand and the disconnection is easy. The following valve designs are available for selection for different applications:

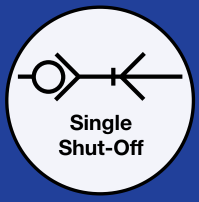
Straight-Through

These coupling systems work with no shut-off valve, which means they can achieve the greatest possible flow. Further, turbulence which can occur with integrated valves is completely eradicated. Straight-through couplings are ideally suited to liquid media – e.g. water applications. Before unlocking, the flow must be stopped.



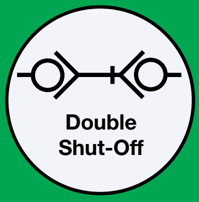
Single Shut-Off

On our single shut-off systems, the plug is designed straight-through – although the coupling shuts off immediately when the connection is broken. Appearance of on-fl ow media in the line is effectively prevented. An ideal solution for operating compressed air tools.



Double Shut-Off

On our double shut-off systems, after disconnection, the flow stops both in the coupling and in the plug. The medium remains in the hose in both connecting lines, the pressure is held constant and not released.



Dry-Break Design

Our leak-free coupling systems have valves on the coupling and plug that build up no dead-space volume. Thus, when the connection is broken, no drops of the medium can escape. This variant is especially suitable for transferring aggressive media or in sensitive environments such as cleanrooms.

WE SET STANDARDS IN QUALITY AND SAFETY.

Around the world highly qualified specialists are working to secure and optimise the quality of our products. Nothing will deter them from the high demands which they set themselves – as all employees know, we can only retain our top international position by constant top performance. With the help of controlled manufacturing processes and up to the minute precision technology, it is the person - as a creative and experienced technical, sales man and customer adviser – who is responsible for this. All stages of production are subject to proven and comprehensive quality management. Certificates and test reports from the most important independent institutes confirm our excellent functionality and production quality. For our customers, this means: greater safety and reliability – even in extreme conditions.

DIN EN ISO 9001:2000
Reg.Nr. 1070
Qualitätsmanagementsystem

BIA

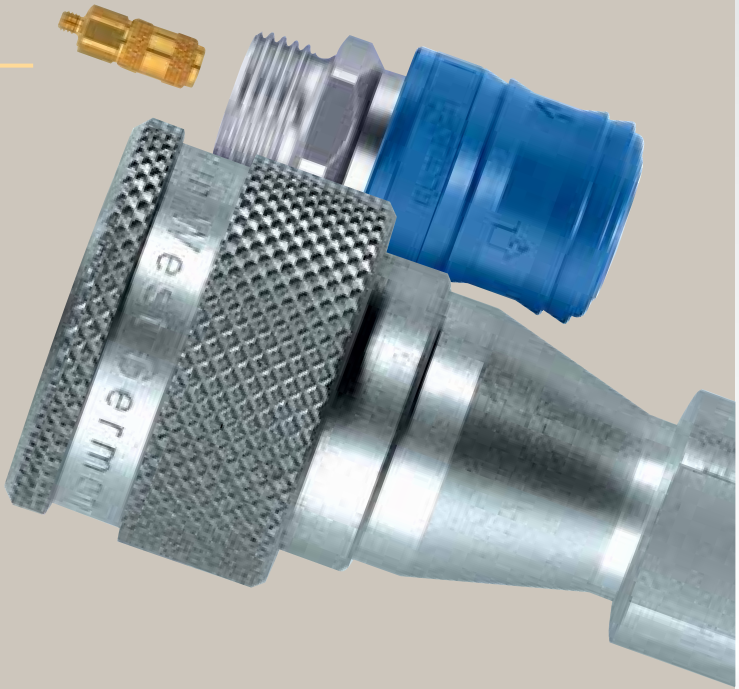
GASWÄRME-INSTITUT E.V. ESSEN
GWI

FROM STANDARD PRODUCT TO BESPOKE SYSTEM SOLUTION.

Our standard catalogue range offers the right coupling for most application areas. Many of these standard items come from previous special solutions which we later integrated into serial production. Developing special solutions for particular tasks is one of our strengths – and an ad-vantage which you can use at any time. Our competent specialists will be pleased to visit you to establish your specific requirements and wishes. We will then recommend adaptation of one of our standard products, or new design of a bes-poke individual solution for you. At the end, we will provide you with a functional system that is exactly suited to your requirements – both technologically and economically. Get in touch – we will be pleased to advise you specifically.

From Mini to Maxi

Our innovations are impressive: from the smallest quick connect coupling in the world to the large ISO-B-Couplingsysteme in nominal diameter 20 mm.



SEALING AND ACCURACY.

A coupling system is always as good as its sealing components. That is why we only use top quality, proven standards, which have been tried and tested time and again. For special applications, please also ask our specialist advisers, as an important criterium for functionality of an O-ring is the type of medium in relation to its temperature. In accordance with these parameters, we can recommend the right type of seal and will be pleased to carry out specific tests with you.

The most important sealants

Sealing-Material	Brand	Temperature-Range	Features
NBR Acrylonitrile-Butadiene Rubber	Buna N	-20°C - +100°C	Can be used for compressed air. Resistant to heat and many liquids, e.g. mineral oils, fuel (no environmental diesel), water glycol and grease.
EPDM Ethylene Propylene Diene Rubber		-50°C - +150°C	Heat resistant and specially suited to hot water and steam. Good resistance to brake oils, glycol and fire-resistant oils. Not suitable for mineral-based oils and petrol.
FKM Fluorocarbon Rubber	Viton® [1]	-15°C - +200°C	Very high resistance to heat and liquids inc. petrol, oils, environmental diesel, grease and aromatic oils.
FFKM Perfluoro Rubber	Kalrez® [2]	-25°C - +240°C	Universal chemical resistance, good for aggressive media, high thermal resistance. Lowest source values for all media.

[1] Viton® is a registered trademark of DuPont Dow Elastomers.
[2] Kalrez® is a registered trademark of DuPont Dow Elastomers.

WITH US, YOU CAN WORK IN ANY UNITS.

Conversion of temp. units

°F →	°C	°C →	°F
- 40	- 40,0	-40	-40
-35	-37,2	-35	-31
-30	-34,4	-30	-22
-25	-31,7	-25	-13
-20	-28,9	-20	-4
-15	-26,1	-17,8	0
-10	-23,3	-15	+5
-5	-20,6	-10	+14
0	-17,8	-5	+23
+5	-15,01	0	+32
+10	-12,2	+5	+41
+15	-9,4	+10	+50
+20	-6,7	+15	+59
+25	-3,9	+20	+68
+30	-1,1	+25	+77
+32	0,0	+30	+86
+35	+1,7	+35	+95
+40	+4,4	+40	+104
+45	+7,2	+45	+113
+50	+10,0	+50	+122
+55	+12,8	+55	+131
+60	+15,6	+60	+140
+65	+18,3	+65	+149
+70	+21,1	+70	+158
+75	+23,9	+75	+167
+80	+26,7	+80	+176
+85	+29,4	+85	+185
+90	+32,2	+90	+194
+95	+35,0	+95	+203
+100	+37,8	+100	+212
+105	+40,6	+105	+221
+110	+43,3	+110	+230
+115	+46,1	+115	+239
+120	+48,9	+120	+248
+125	+51,7	+125	+257
+130	+54,4	+130	+266
+135	+57,2	+135	+275
+140	+60,0	+140	+284
+145	+62,8	+145	+293
+150	+65,6	+150	+302
+155	+68,3	+155	+311
+160	+71,1	+160	+320
+165	+73,9	+165	+329
+170	+76,7	+170	+338
+175	+79,4	+175	+347
+180	+82,2	+180	+356
+185	+85,0	+185	+365
+190	+87,8	+190	+374
+195	+90,6	+195	+383
+200	+93,3	+200	+392
+205	+96,1	+205	+401
+210	+98,9	+210	+410
+215	+101,7	+215	+419
+220	+104,4	+220	+428
+225	+107,2	+225	+437
+230	+110,0	+230	+446
+235	+112,8	+235	+455
+240	+115,6	+240	+464
+245	+118,3	+245	+473
+250	+121,1	+250	+482

Conversion of flow rate units

l/min →	Cfm →	m³/h
100	4	6
200	7	12
300	11	18
400	14	24
600	21	36
800	28	48
1000	35	60
1200	42	72
1400	49	84
1600	57	96
1800	64	108
2000	71	120
2200	78	132
2400	85	144
2600	92	156
2800	99	168
3000	106	180
3300	117	198
3600	127	216
3900	138	234
4200	148	252
4500	159	270
4800	170	288
5100	180	306
5400	191	324
5700	201	342
6000	212	360
6300	222	378
6600	233	396
6900	244	414
7200	254	432
7500	265	450
7800	275	468
8000	283	480

Thread dimensions in mm

Pipe thread according to ISO 228

Nominal thread size	Outer-Ø d (mm)	Core-Ø d_1 (mm)
1/16	7,723	6,561
1/8	9,728	8,566
1/4	13,157	11,445
3/8	16,662	14,950
1/2	20,955	18,631
5/8	22,911	20,587
3/4	26,441	24,117
7/8	30,201	27,877
1	33,249	30,291
1 1/8	37,897	34,939
1 1/4	41,910	38,952
1 1/2	47,803	44,845
1 3/4	53,746	50,788
2	59,614	56,656
2 1/4	65,710	62,752
2 1/2	75,184	72,226
2 3/4	81,534	78,576

Conversion of pressure units

bar	PSI	MPa	PSI	bar	MPa
1	14,5	0,1	15	1,0	0,10
3	43,5	0,3	50	3,5	0,35
6	87,0	0,6	75	5,2	0,52
8	116,0	0,8	100	6,9	0,69
10	145,0	1,0	125	8,6	0,86
12	174,0	1,2	150	10,3	1,03
15	217,5	1,5	175	12,1	1,21
20	290,0	2,0	200	13,8	1,38
25	363,0	2,5	250	17,2	1,72
30	435,0	3,0	300	20,7	2,07
35	508,0	3,5	400	27,6	2,76
50	725,0	5,0	500	34,5	3,45
70	1015,0	7,0	750	51,7	5,17
100	1450,0	10,0	1000	69,0	6,90
150	2175,0	15,0	1500	103,4	10,34
200	2900,0	20,0	2000	137,9	13,79
250	3625,0	25,0	3000	206,8	20,68

Vacuum units

Vacuum (%)	Absolute press. (mbar)	Neg. press. (mbar)	Neg. press. (mm Hg)
0	1000	0	0
10	900	-100	-75
13,3	867	-133	-100
20	800	-200	-150
26,7	733	-267	-200
30	700	-300	-225
40	600	-400	-300
50	500	-500	-375
53,3	467	-533	-400
60	400	-600	-450
66,7	333	-667	-500
70	300	-700	-525
80	200	-800	-600
90	100	-900	-675
92	80	-920	-690
100	0	-1000	-760

SAFETY GUIDE FOR SELECTING AND USING QUICK CONNECT COUPLINGS AND RELATED ACCESSORIES

DANGER: failure or improper selection or improper use of quick connect couplings or related accessories can cause death, personal injury and property damage. Possible consequences of failure or improper selection or improper use of quick connect couplings or related accessories include but are not limited to:

- Couplings or parts thrown off at high speed
- High velocity fluid discharge
- Contact with suddenly moving or falling objects that are to be held in position or moved by the conveyed fluid
- Dangerously whipping hose
- Explosion or burning of the conveyed fluid
- Contact with conveyed fluids that may be hot, cold, toxic, or otherwise injurious
- Sparking or explosion while paint or flammable liquid spraying

Before selecting or using any Parker RectusTema quick connect couplings or related accessories, it is important that you read and follow the following instructions.

1.0 GENERAL INSTRUCTIONS

1.1 Scope: this catalogue provides instructions for selecting and using (including installing connecting, disconnecting, and maintaining) quick connect couplings and related accessories (including caps, plugs, hoses, blow guns). This safety instruction is a supplement to and is to be used with the specific Parker publications for the specific quick connect couplings and related accessories that are being considered for use.

1.2 Fail-Safe: quick connect couplings or the hose they are attached to can fail without warning for many reasons. Design all systems and equipment in a fail-safe mode, so that failure of the quick connect coupling or hose will not endanger persons or property.

1.3 Distribution: provide a copy of this safety guide to each person who is responsible for selecting or using quick connect coupling products. Do not select or use quick connect couplings without thoroughly reading and understanding this safety guide as well as the specific Parker publications for the products considered or selected.

1.4 User responsibility: due to the wide variety of operating conditions and uses for quick connect couplings, Parker RectusTema and its distributors do not represent or warrant that any particular coupling system is suitable for any specific end use system. This safety instructions do not analyse all technical parameters that must be considered in selecting a product. The user, through its own analysis and testing, is solely responsible for:

• Making the final selection of the quick connect couplings.
• Assuring that the user's requirements are met and that the use presents no health or safety hazards.
• Providing all appropriate health and safety warnings on the equipment on which the quick connect couplings are used.

1.5 Additional questions: call the appropriate Parker customer service department if you have any questions or require any additional information. For the telephone numbers of the appropriate customer service department, see the Parker publication for the product being considered or used.

2.0 SELECTION INSTRUCTIONS

2.1 Pressure: quick connect couplings selection must be made so that the published rated pressure of the coupling is equal to or greater than the maximum system pressure. Pressure surges in the system higher than the rated pressure of the coupling will shorten the quick connect coupling's life. Do not confuse burst pressure or other pressure values with rated pressure and do not use burst pressure or other pressure values for this purpose.

2.2 Fluid compatibility: quick connect couplings selection must assure compatibility of the body and seal materials with the fluid media used. See the fluid compatibility chart.

2.3 Temperature: be certain that fluid and ambient temperatures, both steady and transient, do not exceed the limitations of the quick connect couplings. Use caution and hand protection when connecting or disconnecting quick connect couplings that are heated or cooled by the media they are conducting or by their environment.

2.4 Size: transmission or power by means of pressurised liquid varies with pressure and rate of flow. The size of the quick connect couplings and other components of the system must be adequate to keep pressure losses to a minimum and avoid damage due to heat generation or excessive fluid velocity.

2.5 Pressurised connection or disconnection: if connecting or disconnecting under pressure is a requirement, use only quick connect couplings designed for that purpose. The rated operating pressure of a quick connect coupling may not be the pressure at which it may be safely connected or disconnected.

2.6 Environment: care must be taken to ensure that quick connect couplings are either compatible with or protected from the environment (that is, surrounding conditions) to which they are exposed. Environmental conditions including but not limited to ultraviolet radiation, ozone, moisture, water, salt water, chemicals, and air pollutants can cause degradation and premature failure.

2.7 Locking means: ball locking quick connect couplings can unintentionally disconnect if they are dragged over obstructions on the end of a hose or if the sleeve is bumped or moved enough to cause disconnection. Sleeves designed with flanges to provide better gripping for oily or gloved hands are especially susceptible to accidental disconnection and should not be used where these conditions exist. Sleeve lock or union (threaded) sleeve designs should be considered where there is a potential for accidental uncoupling.
2.8 Mechanical loads: external forces can significantly reduce quick connect couplings' life or cause failure. Mechanical loads which must be considered include excessive tensile or side loads and vibration. Unusual applications may require special testing prior to quick connect couplings selection.
2.9 Specifications and standards: when selecting quick connect couplings, government, industry and Parker specifications must be reviewed and followed as applicable.
2.10 Vacuum: not all quick connect couplings are suitable or recommended for vacuum service. Quick connect couplings used for vacuum applications must be selected to ensure that the quick connect couplings will withstand the vacuum and pressure of the system.
2.11 Fire resistant fluids: some fire resistant fluids require seals other than the standard NBR (nitrile) used in many coupling systems.
2.12 Radiant heat: quick connect couplings can be heated to destruction or loss of sealing without contact by such nearby items as hot manifolds or molten metal. The same heat source may then initiate a fire. This can occur despite the presence of cool air around the quick connect couplings.
2.13 Welding and brazing: heating of plated parts, including quick connect couplings and port adapters, above 450 °F (232 °C) such as during welding, brazing, or soldering may emit deadly gases and may cause coupling seal damage.

3.0 INSTALLATION INSTRUCTIONS
3.1 Pre-installation inspection: before installing a quick connect coupling, visually inspect it and check for correct style, body material, seal material, and catalogue number. Before final installation, coupling halves should be connected and disconnected with a sample of the mating half with which they will be used.
3.2 Quick connect coupling halves from other manufacturers: if a quick connect coupling assembly is made up of one Parker RectusTema half and one half from another manufacturer, the lowest pressure rating of the two halves should not be exceeded.
3.3 Fitting installation: use a thread sealant, when assembling taper pipe thread joints in quick connect couplings. Be sure the sealant is compatible with the system fluid or gas. To avoid system contamination, use a liquid or paste type sealant rather than a tape style. Use the flats provided to hold the quick connect coupling when installing fittings. Do not use pipe wrenches or a vice on other parts of the coupling to hold it when installing or a removing fittings as damage or loosening of threaded joints in the coupling assembly could result. Do not apply excessive torque to taper pipe threads because cracking or splitting of the female component can result.
3.4 Caps and plugs: use dust caps and plugs when quick connect couplings are not coupled to exclude dirt and contamination and to protect critical surfaces from damage.
3.5 Coupling location: locate quick connect couplings where they can be reached for connection or disconnection without exposing the operator to slipping, falling, getting sprayed or coming in contact with hot or moving parts.
3.6 Hose whips: use a hose whip (a short length of hose between the tool and the coupling half) instead of rigidly mounting a coupling half on hand tools or other devices. This reduces the potential for coupling damage if the tool is dropped and provides some isolation from mechanical vibration which could cause uncoupling.

4.0 MAINTENANCE INSTRUCTIONS
4.1 Even with proper selection and installation, quick connect coupling life may be significantly reduced without a continuing maintenance program. Frequency should be determined by the severity of the application and risk potential. A maintenance program must be established and followed by the user and must include the following as a minimum:
4.2 Visual inspection of quick connect couplings: any of the following conditions require immediate shut down and replacement of the quick connect coupling:
- Cracked, damaged, or corroded quick connect couplings parts.
- Leaks at the fitting, valve or mating seal.
- Broken coupling mounting hardware, especially breakaway clamps.

4.3 Visual inspection all other:
- Leaking seals or port connections.
- Excess dirt build-up on the coupling locking means or on the interface area of either coupling half.
- Defective clamps, guards, and shields.
- System fluid level, fluid type and any entrapment.

4.4 Functional test: operate the system at maximum operating pressure and check for possible malfunctions and freedom from leaks. Personnel must avoid potential hazardous areas while testing and using the system.
4.5 Replacement intervals: specific replacement intervals must be considered based on previous service life, government or industry recommendations, or when failures could result in unacceptable downtime, damage or injury risk. See instruction 1.2 above.

LOW PRESSURE SYSTEMS.
PROVEN, TOP QUALITY RECTUS SOLUTIONS.

Depending on the design, our connecting elements for the low pressure range up to 35 bar are suitable for gaseous (compressed air) or liquid media (water, chemistry). In our standard range, you will find solutions for the widest variety of applications.

e.g. Rectus Series 21KA

This successful small-dimensioned coupling is available as a single-hand quick connect system in numerous design and material qualities.

Nominal Diameter/Flow

The nominal diameter corresponds to the free internal diameter of the coupling or plug. Normally, the internal diameter of the front plug area is measured. Due to the integrated valve, plugs on double shut-off couplings have a smaller internal diameter than the coupling, thus the effective nominal diameter is smaller. The nominal diameter gives a rough idea of size for flow in a coupling-plug combination. The real flow is always dependent on the nominal diameter, in connection with the flowpreferential shape of a system.

up to 35 bar

Material Properties

Brass:
Corrosion resistant for compressed air and water applications, medium strength, anti-magnetic, high resistance to organic liquids, good surface quality, exemplary recyclability.

Steel:
High surface hardness, curable material for high loads, magnetic.

Stainless steel AISI 303 (V2A):
Corrosion resistant, good strength, only slightly magnetic.

Stainless steel AISI 316 L (V4A):
Highly corrosion resistant, good strength, only slightly magnetic.

POM thermoplastics:
Good strength and resistance for standard applications.

PVDF thermoplastics:
Medium strength with good general resistance. Especially good temperature and UV resistance, easy to sterilise (autoclave).

PVDF+ thermoplastics:
The springs in these PVDF couplings are made of the material PEEK. The mechanical properties are significantly improved, the size of the springs can be reduced. Pressure range from 1 bar.

ALL OUR PERFORMANCE CAPACITY AT A GLANCE.

Using this flow quantity diagram, find the right Rectus coupling series for your application – and at a glance! At the same time, we demonstrate the profile-specific compatibility/interchangeability with other Rectus products and foreign makes.

- Single Shut-Off
- Double Shut-Off
- Dry-Break Version
- Thermo-oil
- Mold Connections/Straight-Through

Flow quantity – air
Litres/minute*

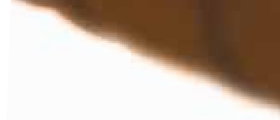
*(Measurement data generated in accordance with ISO 6358; CCTOP RP50P at input pressure 6 bar, pressure drop 0.5 bar)

Flow quantity – oil/water
Litres/minute*

*(Measurement data generated in accordance with ISO 7241/2:2000, pressure drop 0.5 bar)

Series	Flow quantity	Flow quantity (lower bar)	Nominal Plug Bore	Brass/Steel	Stainless Steel	Thermoplastics	Safety	Thermo-oil	Interchangeable with
02	105		1,5	P. 22					RECTUS Design
50	160		2,5	P. 24					Walther LP002
303	160		3,0		P. 203				RECTUS Design, ISO 6510 C
20	165	130	2,7	P. 26	P. 182				RECTUS 91, Walther 06-003
91	170		2,7	P. 30					RECTUS 20, Walther 06-003
204	325		4,0	P. 162	P. 222				RECTUS Design
71	440		4,3	P. 124	P. 216	P. 256			ISO 7241-1 Serie B
90	530		5,0	P. 40					RECTUS 21, Camozzi, EWO, Kani
24	550		5,5	P. 58			P. 286		US-Mil-Spec-C-4109 Industr. Interchange ¼", ISO 6150 B, RECTUS 23, ARO, Parker 30 ¼", CEJN 310, Faster, Hansen 3000, Gromelle 600, JWL 521, JWL 531
21	560	310	5	P. 34	P. 185	P. 242	P. 266		RECTUS 90, Camozzi, EWO, Kani
14	560		5,5	P. 44			P. 280		RECTUS 22, ARO 210, Parker 50, CEJN 300, ORION 44510, JWL 522, JWL 532
19	660		5,5	P. 48					PCL 60 (UK)
206	685		6,0	P. 169	P. 228				RECTUS Design
22	800		5,5	P. 50					RECTUS 14, ARO 210, Parker 50, CEJN 300, ORION 44510, JWL 522, JWL 532
65-67	800		7,4				P. 306		KS ¼"
51	800	660	6,0	P. 62					Walther SP006
72	840		6,0	P. 134	P. 217	P. 257			ISO 7241-1 Series B
17	870		5,0	P. 32					Schrader NW5
30	890		8,5	P. 91					US-Mil-Spec-C-4109 Industr. Inter-change 3/8", ISO 6150 B, ARO, Parker 30 3/8", Hansen 4000, Gromelle 900
23	900		5,5	P. 52			P. 284		US-Mil-Spec-C-4109 Industr. Interchange 1/4", ISO 6150 B, RECTUS 24, TEMA 1400, ARO, Parker 20 ¼", Parker 30 ¼", CEJN 310, Faster, Hansen 3000, Gromelle 600, JWL521, JWL 531
1400/1423	940		5,5	P. 54			P. 284		US-Mil-Spec-C-4109 Industr. Interchange 1/4", ISO 6150 B, RECTUS 24, RECTUS 1400, TEMA 1400, ARO, Parker 20 ¼", Parker 30 ¼", CEJN 310, Faster, Hansen 3000, Gromelle 600, JWL521, JWL 531
18	970		5,5	P. 46			P. 282		ISO 6150 C, CEJN 291, Oetiker
31	1000		6,0	P. 60					TEMA 1300
26	1000	700	7,2	P. 66	P. 189		P. 288		RECTUS 25, RECTUS 1600/1625, TEMA 1600, JWL 520, JWL 530, CEJN 320
52	1100	660	6,0	P. 64					Walther LP 006
48	1100	760	7,0			P. 251			RECTUS Design
13	1150		7,5	P. 71					RECTUS 03, Nitto-Kohki 200, CEJN 314

Series	Nominal Plug Bore		Brass/Steel	Stainless Steel	Thermoplastics	Safety	Thermo-oil	Interchangeable with
40	9,0	1200	P. 93					ARO 310 Orion 44520 Orion 44530
73	7,5	1280	P. 144	P. 218	P. 258			ISO 7241-1 Series B
33	8,0	1400	P. 81					Atlas Copco QIC 10
95	7,4	1700				P. 296		CEJN 344
96	7,4	1700				P. 298		CEJN 341
25	7,8	1800 710	P. 73	P. 192		P. 270		RECTUS 26 RECTUS 1600/1625 TEMA 1600 JWL 520 JWL 530 CEJN 320
209	9,0	1890	P. 178	P. 234				RECTUS Design
74	11	1950	P. 150	P. 219	P. 259			ISO 7241-1 Series B
84	8,0	1960	P. 83					ISO 6150 C
1600/1625	7,4	2020	P. 77					RECTUS 25 RECTUS 26 TEMA 1600 JWL 520 JWL 530 CEJN 320
99	8,0	2180		P. 232		P. 308		RECTUS Design
32	10	2300 1550	P. 101					TEMA 1800
37	11	2350	P. 109			P. 294		US-Mil-Spec-C-4109 Industr. Inter-change ½"
27	10	2400 900	P. 95	P. 196		P. 292		RECTUS 41 RECTUS 1700 RECTUS 1727 TEMA 1700 CEJN 410
29	13	2550	P. 113					RECTUS Design
34	10	2550	P. 103					Atlas Copco Qic 15
28	10,5	3500				P. 273		CETOP
1700/1725	10	3580 1054	P. 97					RECTUS 27 TEMA 1700 CEJN 410
75	13	4500	P. 154	P. 220	P. 260			ISO 7241-1 Series B
57	12	6500 4295	P. 111					Walther LP012
38	15	7500 2150	P. 115					Hansen 6000
76	20	7500	P. 160	P. 221	P. 261			ISO 7241-1 Series B
39	19	9000 3000	P. 117					Hansen 7000
77	30	17000			P. 262			RECTUS Design
93	8,1	92 50	P. 85					RECTUS Design
45	8,5	97	P. 89					Parker Hansen
41	10	115	P. 105					RECTUS 27 CEJN 417
42	11	141	P. 107					ABA



FROM PLUG TO BEST COUPLING SYSTEM.

Using the plug profiles shown below, the corresponding coupling systems are easy to determine.

RECTUS Plug Profiles

02SF 50SF 20SF/20SB 303SB 204SL 21SF/21SB/21SL 21SS 14SF 18SF 23SF

13SF 25SS 33SF 84SF 30SF 40SF 27SF/27SB 209SL

206SL

31SF

51SF
51SB

52SF
52SB

48SF

25SF
26SF
25SB
26SB
25SL

95SS

96SS

32SF

34SF

28SS

37SF

57SF

38SF
38SB

39SF
39SB
39SL

ABOVE ALL ELSE, OUR SYSTEMS OFFER YOU GREATER SAFETY.

Safety-Couplings

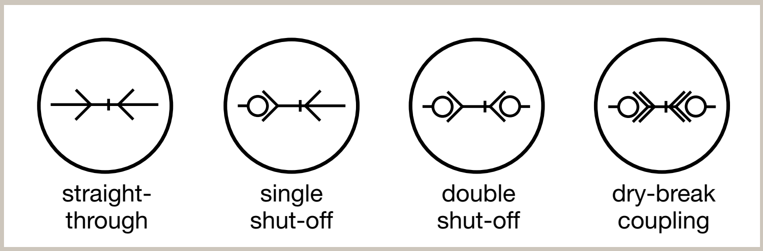
We consider that protecting people and material surfaces is an important issue. For use mainly in danger areas with high safety requirements, we have developed coupling systems with safety locks.

Self-Venting-Couplings

A patented single-hand self-venting technique with 2 separate locking systems makes it possible to vent automatically before uncoupling. Plastic sleeves prevent surface scratches. Application area exclusive to compressed air.

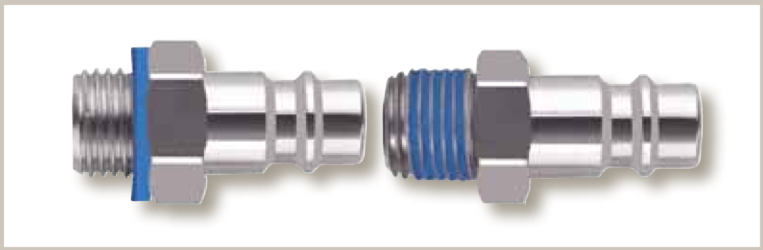
Valves

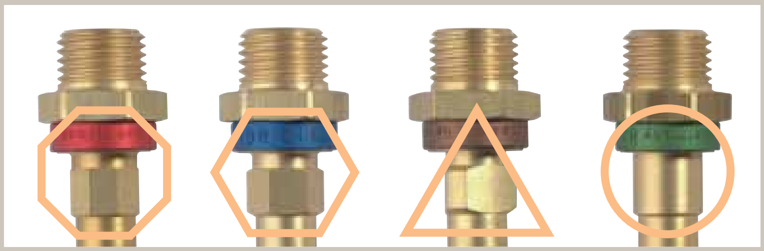
Depending on application area, our coupling systems are available with free flow, single or double shot-off, and in leak free design. A test of various valve types is recommended before ordering large quantities.



RectuLoc

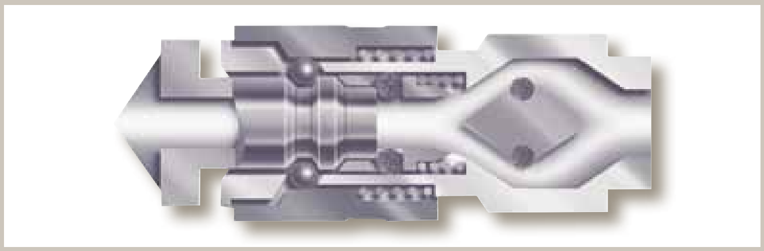
With the introduction of this innovative sealing system, we have finally eliminated laborious sealing with angel hair or plastic tape. Ball threads can be coated with RectuLoc on request, cylindrical threads can be supplied with a RectuLoc seal.





RectuKey

This coded coupling system completely eliminates confusion of different media. The structure and color of the couplings and plugs is differentiated – this makes wrong coupling impossible.



UltraFlo

The flow-favourable UltraFlo valve is a Rectus development, which increases the flow by up to 80% compared with conventional systems. Supply to compressed air tools is improved and energy costs are reduced. Can be supplied e.g. with the series 25 and 27 premium coupling systems.

Materials

For almost all application cases, Rectus supplies the ideal combination of material and technology. Brass/steel products, various stainless steels, thermoplastics or mixed materials such as steel/plastic are all in the range and can be ordered specifically for the application.

Surfaces

Our coupling systems can be supplied with additional coating refinements, resistant to corrosion or aggressive media and specific to your requirements. Please ask your specialist adviser for special requirement profiles. We will test the appropriate solution for you.

Single Shut-Off

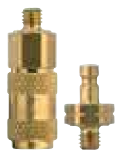
Nominal Diameter

1,5 = 1,8 mm²

RECTUS Series

02KA

actual size



Technical Description
Smallest mini industrial coupling, suitable for air and gas applications. Primarily in medicine, didactics and model building. Specific application for liquids due to size.

Advantages
Single handed operation.
Extremely small dimensions.

Interchangeability
RECTUS Design

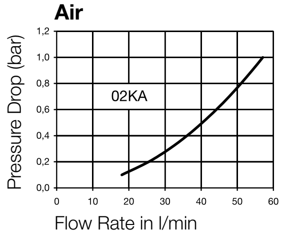
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor 4 to1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

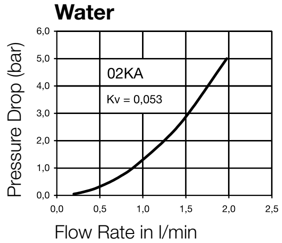
*At a temperature below -20°C and above +100°C special seals are available on request.

Chart

Air

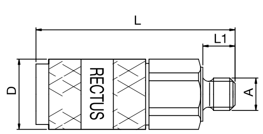


Water

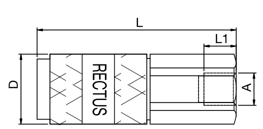


Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Brass	Brass, Nickel Plated

Couplings — RECTUS Series 02KA



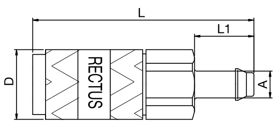
Male Thread



Female Thread

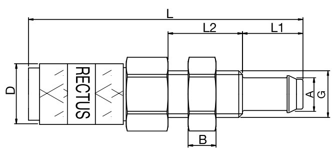
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	M 3	6	19	6,5	3					Standard	02KA AM03 MPX
										Nickel Plated	02KA AM03MPN
Female Thread	M 3	6	19	6,5	3					Standard	02KA IM03 MPX
										Nickel Plated	02KA IM03 MPN

Couplings — RECTUS Series 02KA



Hose Barb

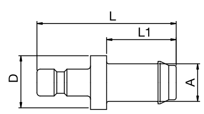
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
2 mm	6	21	6,5	5,5					Standard	02KA TF02 MPX
									Nickel Plated	02KA TF02 MPN
3 mm	6	22	6,5	6,5					Standard	02KA TF03 MPX
									Nickel Plated	02KA TF03 MPN



Panel Mount,
Hose Barb

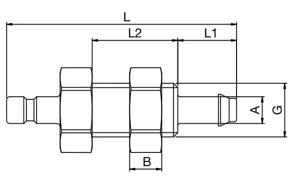
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
2 mm	7	29	6,5	5,5	8	7	3	M 5	Standard	02KA TS02 MPX
									Nickel Plated	02KA TS02 MPN
3 mm	7	30	6,5	6,5	8	7	3	M 5	Standard	02KA TS03 MPX
									Nickel Plated	02KA TS03 MPN

Plugs — RECTUS Series 02KA



Hose Barb

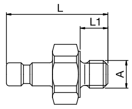
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
2 mm		12	4	5,5					Standard	02SF TF02 MXX
									Nickel Plated	02SF TF02 MXN
3 mm		13	5	6,5					Standard	02SF TF03 MXX



Panel Mount,
Hose Barb

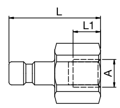
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
2 mm	7	22		5,5	8	7	3	M 5	Standard	02SF TS02 MXX
									Nickel Plated	02SF TS02 MXN
3 mm	7	23		6,5	8	7	3	M5	Standard	02SF TS03 MXX
									Nickel Plated	02SF TS03 MXN

Plugs — RECTUS Series 02KA



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 3	6	11		3					Standard	02SF AM03 MXX
									Nickel Plated	02SF AM03 MXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 3	6	10		3					Standard	02SF IM03 MXX
									Nickel Plated	02SF IM03 MXN

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

Single Shut-Off

Nominal Diameter

2,5 = 5 mm²

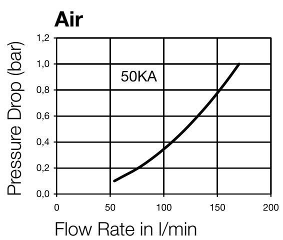
RECTUS Series

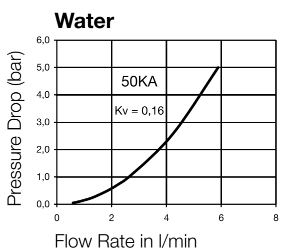
50KA

actual size

Technical Description
Mini industrial coupling, can be used with various media. Extremely easy to operate.

Chart





Advantages
Single handed operation.
Small installation dimensions.

Interchangeability
WALTHER LP002

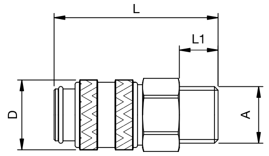
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

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

Material	**Standard**	**Nickel Plated**
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Brass	Brass, Nickel Plated

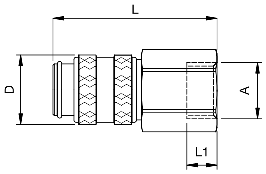
Couplings — RECTUS Series 50KA



Male Thread

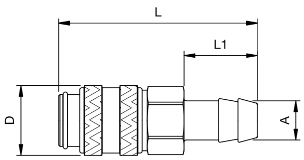
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	7					Standard	50KA AW10 MPXS
									Nickel Plated	50KA AW10 MPNS
G 1/4	17	38	16	9					Standard	50KA AW13 MPXS
									Nickel Plated	50KA AW13 MPNS

Couplings — RECTUS Series 50KA



Female Thread

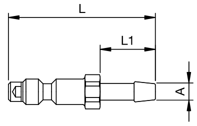
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	9					Standard	50KA IW10 MPXS
									Nickel Plated	50KA IW10 MPNS
G 1/4	17	38	16	9					Standard	50KA IW13 MPXS
									Nickel Plated	50KA IW13 MPNS



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	46	16	17					Standard	50KA TF04 MPXS
									Nickel Plated	50KA TF04 MPNS
6 mm	14	46	16	17					Standard	50KA TF06 MPXS
									Nickel Plated	50KA TF06 MPNS
9 mm	14	46	16	17					Standard	50KA TF09 MPXS
									Nickel Plated	50KA TF09 MPNS
10 mm	14	46	16	17					Standard	50KA TF10 MPXS
									Nickel Plated	50KA TF10 MPNS

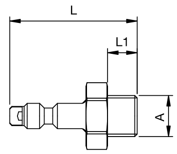
Plugs — RECTUS Series 50KA



Hose Barb

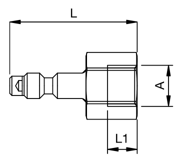
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	7	35		13					Standard	50SF TF04 MXX
									Nickel Plated	50SF TF04 MXN
6 mm	7	35		13					Standard	50SF TF06 MXX
									Nickel Plated	50SF TF06 MXN

Plugs — RECTUS Series 50KA



Male Thread

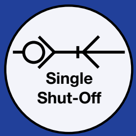
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
G 1/8	14	30		7					Standard	50SF AW10 MXX
									Nickel Plated	50SF AW10 MXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
G 1/8	14	30		7					Standard	50SF IW10 MXX
									Nickel Plated	50SF IW10 MXN

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



Nominal Diameter

2,7 = 6 mm²

RECTUS Series

20KA

actual size

Technical Description
Mini industrial coupling, internationally used profile. Notable for a high flow and numerous application options with various media. Frequent use in mini-pneumatics, medical technology and chemistry/pharmacy.

Advantages
Single handed operation.
Small dimensions.

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

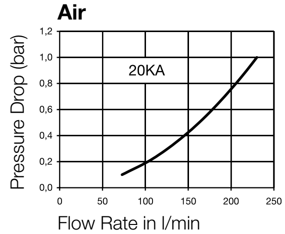
Interchangeability
RECTUS 91
WALTHER 06-003

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

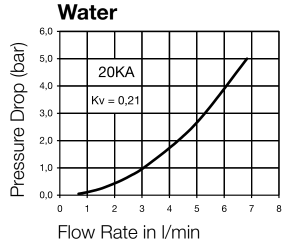
*At a temperature below -20°C and above +100°C special seals are available on request.

Chart

Air



Water

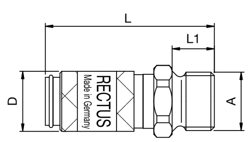


Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Brass	Brass, Nickel Plated

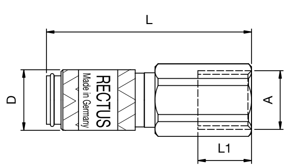
You will find the following alternative versions in our current catalogue on page:

- ▶Brass/Steel Double Shut-off P. 120
- ▶Stainless Steel P. 182

Couplings — RECTUS Series 20KA

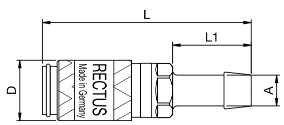


Male Thread



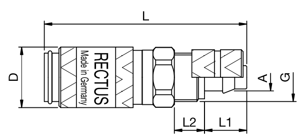
Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	M 5	9	26	10	5					Standard	20KA AM05 MPX
										Nickel Plated	20KA AM05 MPN
	G 1/8	11	28	10	7					Standard	20KA AW10 MPX
										Nickel Plated	20KA AW10 MPN
Female Thread	M 5	9	26	10	5					Standard	20KA IM05 MPX
										Nickel Plated	20KA IM05 MPN
	G 1/8	12	28	10	7					Standard	20KA IW10 MPX
										Nickel Plated	20KA IW10 MPN



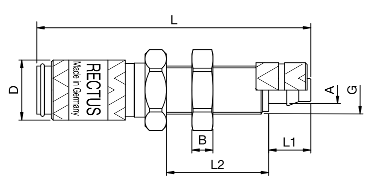
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm		35	10	13					Standard	20KA TF03 MPX
									Nickel Plated	20KA TF03 MPN
4 mm		35	10	13					Standard	20KA TF04 MPX
									Nickel Plated	20KA TF04 MPN
5 mm		34	10	13					Standard	20KA TF05 MPX
									Nickel Plated	20KA TF05 MPN



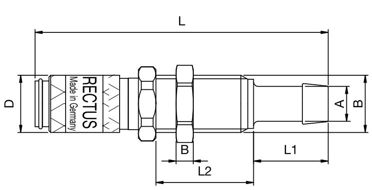
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	9	34	10	7	5			M 7 x 0,5	Standard	20KA KO04 MPX
									Nickel Plated	20KA KO04 MPN
3 x 5 mm	9	34	10	7	5			M 7 x 0,5	Standard	20KA KO05 MPX
									Nickel Plated	20KA KO05 MPN
4 x 6 mm	9	34	10	7	5			M 8 x 0,5	Standard	20KA KO06 MPX
									Nickel Plated	20KA KO06 MPN



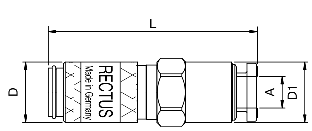
Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	12	45	10	7	17	11	3	M 7 x 0,5	Standard	20KA KS04 MPX
									Nickel Plated	20KA KS04 MPN
3 x 5 mm	12	45	10	7	17	11	3	M 7 x 0,5	Standard	20KA KS05 MPX
									Nickel Plated	20KA KS05 MPN
4 x 6 mm	12	45	10	7	12	11	3	M 8 x 0,5	Standard	20KA KS06 MPX
									Nickel Plated	20KA KS06 MPN



Panel Mount,
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm	12	51	10	13	17	11	3	M 7 x 0,5	Standard	20KA TS03 MPX
									Nickel Plated	20KA TS03 MPN
4 mm	12	51	10	13	17	11	3	M 7 x 0,5	Standard	20KA TS04 MPX
									Nickel Plated	20KA TS04 MPN
6 mm	12	51	10	13	17	12	3	M 10 x 1	Standard	20KA TS06 MPX
									Nickel Plated	20KA TS06 MPN

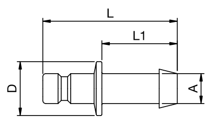


Push-In

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	10	35	10						Standard	20KA RP04 MPN

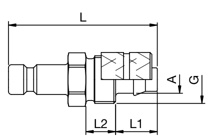
⚠ Please consider our security advices on the pages 12/13 ⚠

Plugs RECTUS Series 20KA



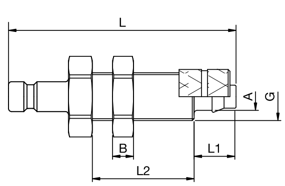
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm		24	7	13					Standard	20SF TF03 MXX
									Nickel Plated	20SF TF03 MXN
4 mm		24	7	13					Standard	20SF TF04 MXX
									Nickel Plated	20SF TF04 MXN
5 mm		22	9	13					Standard	20SF TF05 MXX
									Nickel Plated	20SF TF05 MXN



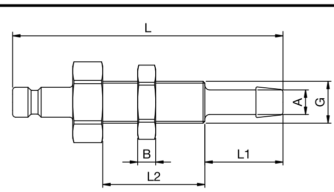
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	7	25		7	5			M 7 x 0,5	Standard	20SF KO04 MXX
									Nickel Plated	20SF KO04 MXN
3 x 5 mm	7	25		7	5			M 7 x 0,5	Standard	20SF KO05 MXX
									Nickel Plated	20SF KO05 MXN
4 x 6 mm	8	25		7	5			M 8 x 0,5	Standard	20SF KO06 MXX
									Nickel Plated	20SF KO06 MXN



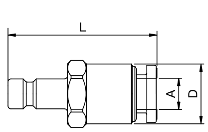
Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	11	38		7	17	11	3	M 7 x 0,5	Standard	20SF KS04 MXX
									Nickel Plated	20SF KS04 MXN
3 x 5 mm	11	38		7	17	11	3	M 7 x 0,5	Standard	20SF KS05 MXX
									Nickel Plated	20SF KS05 MXN
4 x 6 mm	12	38		7	17	12	3	M 8 x 0,5	Standard	20SF KS06 MXX
									Nickel Plated	20SF KS06 MXN



Panel Mount,
Hose Barb

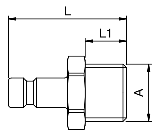
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm	12	45		13	18	11	3,5	M 7 x 0,5	Standard	20SF TS03 MXX
									Nickel Plated	20SF TS03 MXN
4 mm	12	45		13	17	11	3	M 7 x 0,5	Standard	20SF TS04 MXX
									Nickel Plated	20SF TS04 MXN



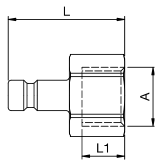
Push-In

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	10	35	10						Nickel Plated	20SF RP04 MPN

Plugs RECTUS Series 20KA



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 5	7	18		5					Standard	20SF AM05 MXX
									Nickel Plated	20SF AM05 MXN
G 1/8	11	20		7					Standard	20SF AW10 MXX
									Nickel Plated	20SF AW10 MXN
M 5	7	17		5					Standard	20SF IM05 MXX
									Nickel Plated	20SF IM05 MXN
G 1/8	12	19		7					Standard	20SF IW10 MXX
									Nickel Plated	20SF IW10 MXN

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

Single Shut-Off

Nominal Diameter

2,7 = 6 mm²

RECTUS Series

91KA

actual size

Technical Description
The 91 series is a variation of the 20 series couplings. The valve has been shortened in respect that the plug seals before the coupling valve opens. In spite of the short valve the well-proven single hand operation is retained, as the ball-lock is replaced by a pin-lock. This extends the external diameter of the sleeve from 10 to 13 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.

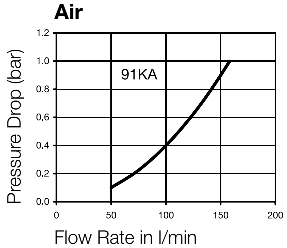
Interchangeability
RECTUS 20
WALTHER 06-003

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

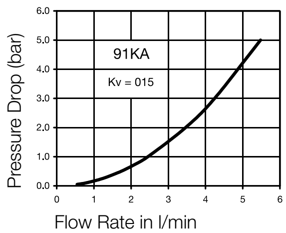
*At a temperature below -20°C and above +100°C special seals are available on request.

Chart

Air

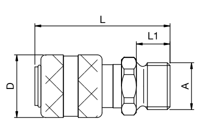


Water

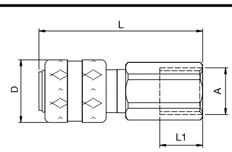


Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 303	AISI 301
Pins	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Brass	Brass, Nickel Plated

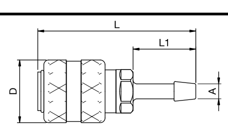
Couplings — RECTUS Series 91KA



Male Thread



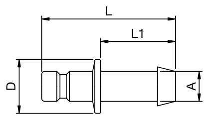
Female Thread



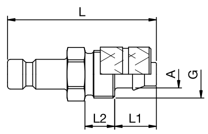
Hose Barb

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	M 5	9	26	13	5					Standard	91KA AM05 MPX
										Nickel Plated	91KA AM05 MPN
	G 1/8	11	28	13	7					Standard	91KA AW10 MPX
										Nickel Plated	91KA AW10 MPN
Female Thread	M 5	9	25	13	5					Standard	91KA IM05 MPX
										Nickel Plated	91KA IM05 MPN
	G 1/8	12	28	13	7					Standard	91KA IW10 MPX
										Nickel Plated	91KA IW10 MPN
Hose Barb	4 mm		35	13	13					Standard	91KA TF04 MPX
										Nickel Plated	91KA TF04 MPN

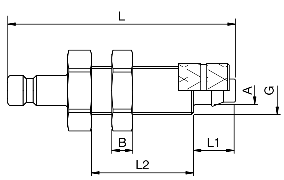
Plugs — RECTUS Series 91KA



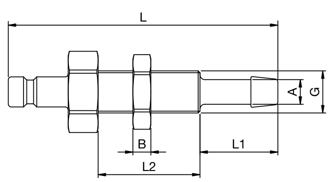
Hose Barb



Plastic Hose Connection



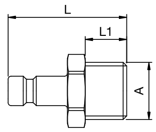
Panel Mount
Plastic Hose Connection



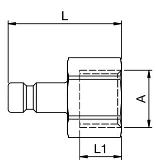
Panel Mount,
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm		24	7	13					Standard	20SF TF03 MXX
									Nickel Plated	20SF TF03 MXN
4 mm		24	7	13					Standard	20SF TF04 MXX
									Nickel Plated	20SF TF04 MXN
5 mm		22	9	13					Standard	20SF TF05 MXX
									Nickel Plated	20SF TF05 MXN
3 x 4 mm	7	25		7	5			M 7 x 0,5	Standard	20SF KO04 MXX
									Nickel Plated	20SF KO04 MXN
3 x 5 mm	7	25		7	5			M 7 x 0,5	Standard	20SF KO05 MXX
									Nickel Plated	20SF KO05 MXN
4 x 6 mm	8	25		7	5			M 8 x 0,5	Standard	20SF KO06 MXX
									Nickel Plated	20SF KO06 MXN
3 x 4 mm	11	38		7	17	11	3	M 7 x 0,5	Standard	20SF KS04 MXX
									Nickel Plated	20SF KS04 MXN
3 x 5 mm	11	38		7	17	11	3	M 7 x 0,5	Standard	20SF KS05 MXX
									Nickel Plated	20SF KS05 MXN
4 x 6 mm	12	38		7	17	12	3	M 8 x 0,5	Standard	20SF KS06 MXX
									Nickel Plated	20SF KS06 MXN
3 mm	12	45		13	18	11	4	M 7 x 0,5	Standard	20SF TS03 MXX
									Nickel Plated	20SF TS03 MXN
4 mm	12	45		13	17	11	3	M 7 x 0,5	Standard	20SF TS04 MXX
									Nickel Plated	20SF TS04 MXN

Plugs — RECTUS Series 20SF



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 5	7	18		5					Standard	20SF AM05 MXX
									Nickel Plated	20SF AM05 MXN
G 1/8	11	20		7					Standard	20SF AW10 MXX
									Nickel Plated	20SF AW10 MXN
M 5	7	17		5					Standard	20SF IM05 MXX
									Nickel Plated	20SF IM05 MXN
G 1/8	12	19		7					Standard	20SF IW10 MXX
									Nickel Plated	20SF IW10 MXN

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

Single Shut-Off

Nominal Diameter

5 = 20 mm²

RECTUS Series

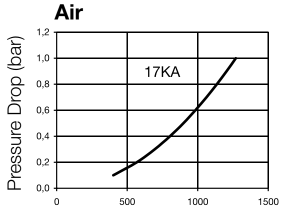
17KA

actual size

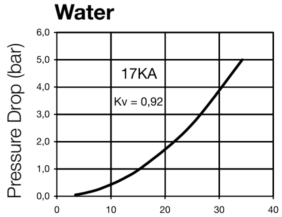
Technical Description
English profile industrial coupling with UltraFlo technology, giving high flow performance. Specially suited to compressed air applications. Brass/steel design developed for industry. Compact dimensions and single handed operation make it suitable for numerous applications.

Chart

Air



Water



Advantages
Single handed operation. Small dimensions, light weight. High flow valve.

Interchangeability
SCHRADER NW 5

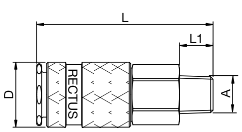
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor 4 to 1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

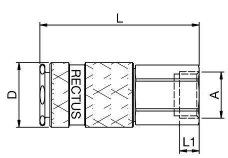
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel Hardened and Nickel Plated
Sleeve	Steel Hardened and Nickel Plated
Valve	Brass
Inner Sleeve	Brass
Spring Plate	Brass
Spring and Locking Ring	AISI 303
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Nickel Plated

Couplings — RECTUS Series 17KA



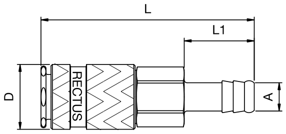
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 1/4	19	63	23	12					Standard	17KA AK13 SPN
	R 3/8	19	62	23	12					Standard	17KA AK17 SPN
	R 1/2	22	63	23	17					Standard	17KA AK21 SPN
Female Thread	G 1/4	19	58	23	9					Standard	17KA IW13 SPN
	G 3/8	19	57	23	9					Standard	17KA IW17 SPN
	G 1/2	24	60	23	12					Standard	17KA IW21 SPN

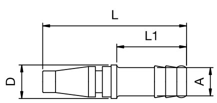
Couplings — RECTUS Series 17KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	76	23	25					Standard	17KA TF06 SPN
8 mm	19	76	23	25					Standard	17KA TF08 SPN
10 mm	19	76	23	25					Standard	17KA TF10 SPN
13 mm	19	76	23	25					Standard	17KA TF13 SPN

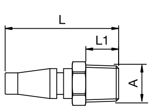
Plugs — RECTUS Series 17KA



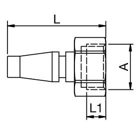
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		58	12	25					Standard	17SF TF06 SXN
8 mm		52	12	25					Standard	17SF TF08 SXN
10 mm		52	12	25					Standard	17SF TF10 SXN

Plugs — RECTUS Series 17KA



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/8	11	37		9					Standard	17SF AK10 SXN
R 1/4	14	42		12					Standard	17SF AK13 SXN
G 1/8	14	33		7					Standard	17SF IW10 SXN
G 1/4	17	36		9					Standard	17SF IW13 SXN

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

Single Shut-Off

Nominal Diameter

5 = 20 mm²

RECTUS Series

21KA

actual size

Technical Description

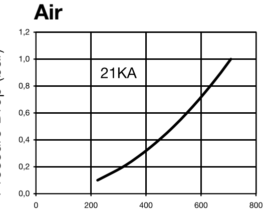
Mini industrial coupling, the world's most commonly used profile. Above average flow performance for liquid and gaseous media. Large band width in materials and valve variants.

Dust Caps (P. 331)

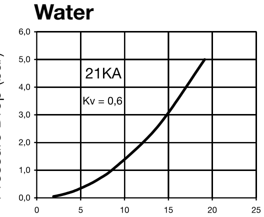
for coupling Part.-No. SK16S

Chart

Air



Water



Advantages

Single handed operation. Small dimensions. All versions interchangeable.

Interchangeability

RECTUS 90
CAMOZZI
EWO
KANI

Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

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°C (FFKM)
depending on the medium.

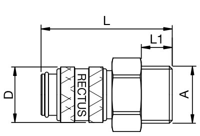
*At a temperature below -20°C and above + 100°C special seals are available on request.

Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Brass	Brass, Nickel Plated

You will find the following alternative versions in our current catalogue on page:

- ▶Brass/Steel Double Shut-off P. 125
- ▶Stainless Steel P. 185
- ▶Thermoplastics P. 242
- ▶Safety P. 266
- ▶Coded Systems S. 300

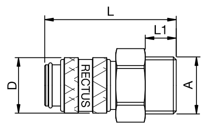
Couplings — RECTUS Series 21KA



Male Thread

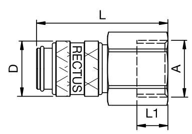
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 mm	B mm	G mm	Version	Part Number
G 1/8	14	36	16	7					Standard	21KA AW10 MPX
									Nickel Plated	21KA AW10 MPN
G 1/4	17	38	16	9					Standard	21KA AW13 MPX
									Nickel Plated	21KA AW13 MPN
G 3/8	19	38	16	9					Standard	21KA AW17 MPX
									Nickel Plated	21KA AW17 MPN
M 12 x 1,5	17	39	16	10					Standard	21KA AD12 MPX
									Nickel Plated	21KA AD12 MPN

Couplings — RECTUS Series 21KA



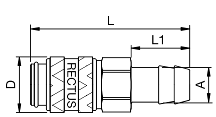
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 14 x 1,5	17	39	16	10					Standard	21KA AD14 MPX
									Nickel Plated	21KA AD14 MPN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	9					Standard	21KA IW10 MPX
									Nickel Plated	21KA IW10 MPN
G 1/4	17	38	16	9					Standard	21KA IW13 MPX
									Nickel Plated	21KA IW13 MPN
G 3/8	19	38	16	9					Standard	21KA IW17 MPX
									Nickel Plated	21KA IW17 MPN
M 12 x 1,5	17	38	16	6					Standard	21KA IM12 MPX
									Nickel Plated	21KA IM12 MPN
M 14 x 1,5	17	38	16	6					Standard	21KA IM14 MPX
									Nickel Plated	21KA IM14 MPN

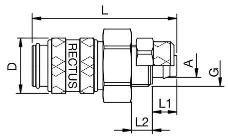


Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	46	16	17					Standard	21KA TF04 MPX
									Nickel Plated	21KA TF04 MPN
6 mm	14	46	16	17					Standard	21KA TF06 MPX
									Nickel Plated	21KA TF06 MPN
8 mm	14	46	16	17					Standard	21KA TF08 MPX
									Nickel Plated	21KA TF08 MPN
9 mm	14	46	16	17					Standard	21KA TF09 MPX
									Nickel Plated	21KA TF09 MPN
10 mm	14	46	16	17					Standard	21KA TF10 MPX
									Nickel Plated	21KA TF10 MPN
6 mm Parker	14	50	16	20					Standard	21KA TP06 MPX
									Nickel Plated	21KA TP06 MPN

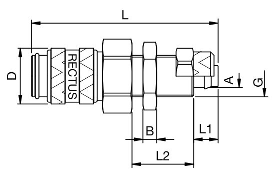
⚠ Please consider our security advices on the pages 12/13 ⚠

Couplings — RECTUS Series 21KA



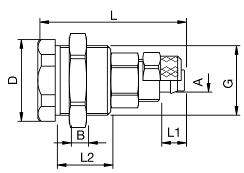
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	42	16	7	6			M 10 x 1	Standard	21KA KO06 MPX
									Nickel Plated	21KA KO06 MPN
6 x 8 mm	14	42	16	7	6			M 12 x 1	Standard	21KA KO08 MPX
									Nickel Plated	21KA KO08 MPN



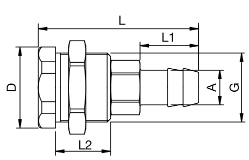
Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	54	16	7	18	12	3	M 10 x 1	Standard	21KA KS06 MPX
									Nickel Plated	21KA KS06 MPN
6 x 8 mm	17	54	16	7	18	17	4	M 12 x 1	Standard	21KA KS08 MPX
									Nickel Plated	21KA KS08 MPN



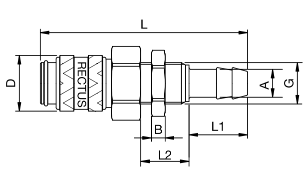
Front Panel Installation,
Plastic Hose Panel Mount

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	22	42	24	7	16	24	5	M 20 x 1	Standard	21KA KE06 MPX
									Nickel Plated	21KA KE06 MPN
6 x 8 mm	22	42	24	7	16	24	5	M 20 x 1	Standard	21KA KE08 MPX
									Nickel Plated	21KA KE08 MPN



Front Panel Installation,
Hose Barb Panel Mount

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	22	46	24	17	16	24	5	M 20 x 1	Standard	21KA TE04 MPX
									Nickel Plated	21KA TE04 MPN
6 mm	22	46	24	17	16	24	5	M 20 x 1	Standard	21KA TE06 MPX
									Nickel Plated	21KA TE06 MPN
8 mm	22	46	24	17	16	24	5	M 20 x 1	Standard	21KA TE08 MPX
									Nickel Plated	21KA TE08 MPN
9 mm	22	46	24	17	16	24	5	M 20 x 1	Standard	21KA TE09 MPX
									Nickel Plated	21KA TE09 MPN
10 mm	22	46	24	17	16	24	5	M 20 x 1	Standard	21KA TE10 MPX
									Nickel Plated	21KA TE10 MPN

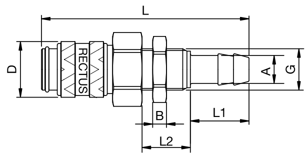


Panel Mount, Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	12	60	16	17	14	12	4	M 10 x 1	Standard	21KA TS04 MPX
									Nickel Plated	21KA TS04 MPN
5 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KA TS05 MPX
									Nickel Plated	21KA TS05 MPN
6 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KA TS06 MPX
									Nickel Plated	21KA TS06 MPN
8 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KA TS08 MPX
									Nickel Plated	21KA TS08 MPN

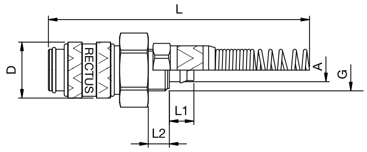
Couplings

RECTUS Series 21KA



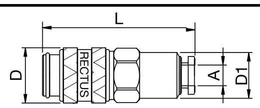
Panel Mount, Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
9 mm	17	60	16	17	14	19	4	M 12 x 1	Standard	21KA TS09 MPX
									Nickel Plated	21KA TS09 MPN
10 mm	17	60	16	17	14	19	4	M 14 x 1	Standard	21KA TS10 MPX
									Nickel Plated	21KA TS10 MPN



Plastic Hose Connection with Spring Guard

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	125	16	7	6			M 10 x 1	Standard	21KA KK06 MPX
									Nickel Plated	21KA KK06 MPN
6 x 8 mm	14	130	16	7	6			M 10 x 1	Standard	21KA KK08 MPX
									Nickel Plated	21KA KK08 MPN

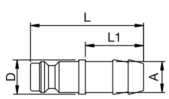


Push-In

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	14	43,5	16,15						Nickel Plated	21KA RP06 MPN
8 mm	17	48	16,15						Nickel Plated	21KA RP08 MPN

Plugs

RECTUS Series 21KA

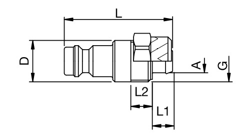
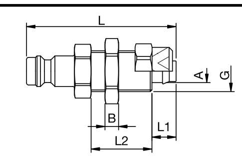
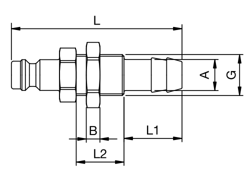
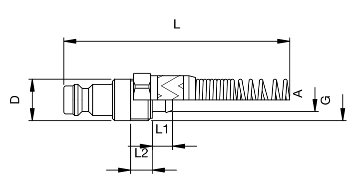
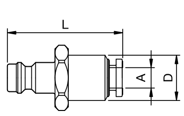


Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
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		33	10	17					Standard	21SF TF09 MXX
									Nickel Plated	21SF TF09 MXN
10 mm		33	12	17					Standard	21SF TF10 MXX
									Nickel Plated	21SF TF10 MXN
6 mm Parker		36	16	20					Standard	21SF TP06 MXX
									Nickel Plated	21SF TP06 MXN

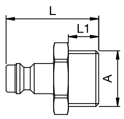
⚠ Please consider our security advices on the pages 12/13 ⚠

Plugs — RECTUS Series 21KA

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Plastic Hose Connection	4 x 6 mm		32	10	6	6			M 10 x 1	Standard	21SF KO06 MXX
										Nickel Plated	21SF KO06 MXN
	6 x 8 mm		32	12	6	6			M 12 x 1	Standard	21SF KO08 MXX
										Nickel Plated	21SF KO08 MXN
	8 x 10 mm	17	36		9	8			M 16 x 1	Standard	21SF KO10 MXX
										Nickel Plated	21SF KO10 MXN
	8 x 12 mm	17	36		9	8			M 16 x 1	Standard	21SF KO12 MXXS
										Nickel Plated	21SF KO12 MXNS
 Panel Mount, Plastic Hose Connection	4 x 6 mm	14	43		7	18	12	3	M 10 x 1	Standard	21SF KS06 MXX
										Nickel Plated	21SF KS06 MXN
	6 x 8 mm	14	44		7	18	17	4	M 12 x 1	Standard	21SF KS08 MXX
										Nickel Plated	21SF KS08 MXN
 Panel Mount, Hose Barb	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 12 x 1	Standard	21SF TS08 MXX
										Nickel Plated	21SF TS08 MXN
	9 mm	14	50		17	14	17	4	M 12 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
 Plastic Hose Connection with Spring Guard	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
 Push-In	6 mm	14	32,8		13,2					Nickel Plated	21SF RP06 MPN
	8 mm	17	37		15,4					Nickel Plated	21SF RP08 MPN

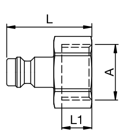
Plugs

RECTUS Series 21KA



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
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	17	28		9					Standard	21SF AW17 MXX
									Nickel Plated	21SF AW17 MXN
M 10 x 1	14	26		8					Standard	21SF AD10 MXX
									Nickel Plated	21SF AD10 MXN
M 12 x 1,5	17	28		10					Standard	21SF AD12 MXX
									Nickel Plated	21SF AD12 MXN
M 14 x 1,5	17	28		10					Standard	21SF AD14 MXX
									Nickel Plated	21SF AD14 MXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	25		8					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	19	26		9					Standard	21SF IW17 MXX
									Nickel Plated	21SF IW17 MXN
M 10 x 1	14	26		9					Standard	21SF IM10 MXX
									Nickel Plated	21SF IM10 MXN
M 12 x 1,5	17	27		10					Standard	21SF IM12 MXX
									Nickel Plated	21SF IM12 MXN
M 14 x 1,5	17	27		10					Standard	21SF IM14 MXX
									Nickel Plated	21SF IM14 MXN

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

Single Shut-Off

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

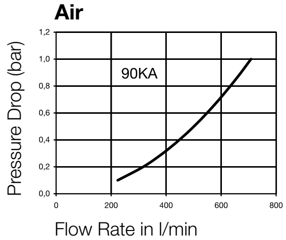
Working Temperature*

-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

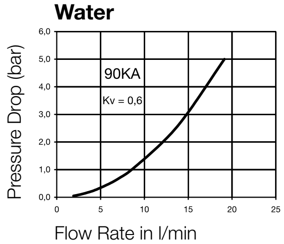
*At a temperature below -20°C and above +100°C specials seals are available on request.

Chart

Air

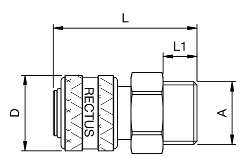


Water

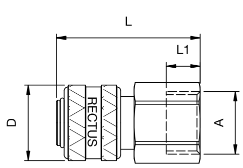


Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Pins	AISI 420	AISI 420
Seals	NBR	NBR
Plug (21 Series)		
Plug	Brass	Brass, Nickel Plated

Couplings — RECTUS Series 90KA



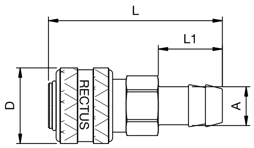
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	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
	G 3/8	19	39	20	9					Standard	90KA AW17 MPX
										Nickel Plated	90KA AW17 MPN
Female Thread	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

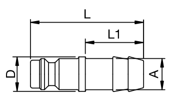
Couplings RECTUS Series 90KA



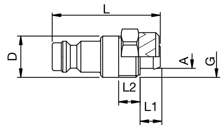
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
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

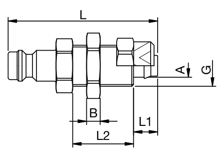
Plugs RECTUS Series 21SF



Hose Barb



Plastic Hose Connection

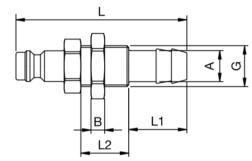


Panel Mount,
Plastic Hose Connection

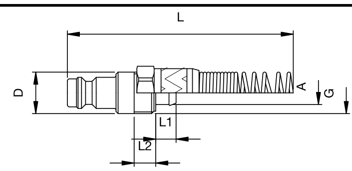
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm		32	9	17					Standard	21SF TF04 MXX
									Nickel Plated	21SF TF04 MXN
5 mm		32	9	17					Standard	21SF TF05 MXX
									Nickel Plated	21SF TF05 MXN
6 mm		32	9	17					Standard	21SF TF06 MXX
									Nickel Plated	21SF TF06 MXN
8 mm		32	9	17					Standard	21SF TF08 MXX
									Nickel Plated	21SF TF08 MXN
9 mm		33	10	17					Standard	21SF TF09 MXX
									Nickel Plated	21SF TF09 MXN
10 mm		33	12	17					Standard	21SF TF10 MXX
									Nickel Plated	21SF TF10 MXN
4 x 6 mm		32	10	6	6			M 10 x 1	Standard	21SF KO06 MXX
									Nickel Plated	21SF KO06 MXN
6 x 8 mm		32	12	6	6			M 12 x 1	Standard	21SF KO08 MXX
									Nickel Plated	21SF KO08 MXN
8 x 10 mm	17	36		9	8			M 16 x 1	Standard	21SF KO10 MXX
									Nickel Plated	21SF KO10 MXN
8 x 12 mm	17	36		9	8			M 16 x 1	Standard	21SF KO12 MXXS
									Nickel Plated	21SF KO12 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

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

Plugs RECTUS Series 21SF



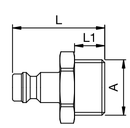
Panel Mount Hose Barb



Plastic Hose Connection with Spring Guard

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
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 12 x 1	Standard	21SF TS08 MXX
									Nickel Plated	21SF TS08 MXN
9 mm	14	50		17	14	17	4	M 12 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
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

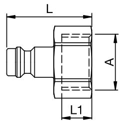
Plugs RECTUS Series 21SF



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
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

Plugs RECTUS Series 21SF



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	25		8					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	19	26		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	27		10					Standard	21SF IM12 MXX
									Nickel Plated	21SF IM12 MXN
M 14 x 1,5	17	27		10					Standard	21SF IM14 MXX
									Nickel Plated	21SF IM14 MXN

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

14KA

actual size

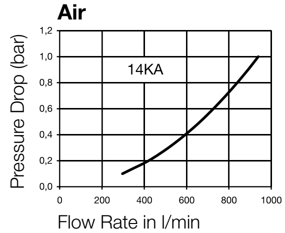
You will find the following alternative versions in our current catalogue on page:

▶Safety Self-Venting P. 280

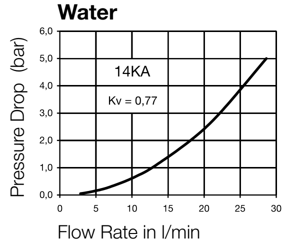
Technical Description
Robust brass coupling. Numerous connection options. Preferred application: compressed air technology and water connections.

Chart

Air



Water



Advantages
Single handed operation.
Plug design optimised through greater insert depth.

Interchangeability
RECTUS 22
ARO 210
PARKER 50
CEJN 300
ORION 44510
JWL 552 + JWL 532
various Swiss Products

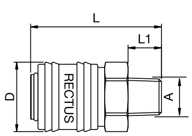
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

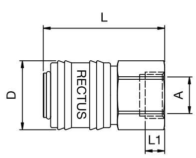
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	**Standard**	**Nickel Plated**
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Pins	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Steel Hardened, Nickel Plated or Brass and Brass, Nickel Plated	

Couplings — RECTUS Series 14KA



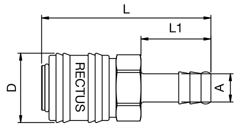
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/4	22	43	25	9					Standard	14KA AW13 MPX
										Nickel Plated	14KA AW13 MPN
	G 3/8	22	43	25	9					Standard	14KA AW17 MPX
										Nickel Plated	14KA AW17 MPN
	G 1/2	22	46	25	12					Standard	14KA AW21 MPX
										Nickel Plated	14KA AW21 MPN
Female Thread	G 1/4	22	43	25	9					Standard	14KA IW13 MPX
										Nickel Plated	14KA IW13 MPN
	G 3/8	22	43	25	9					Standard	14KA IW17 MPX
										Nickel Plated	14KA IW17 MPN
	G 1/2	24	46	25	12					Standard	14KA IW21 MPX
										Nickel Plated	14KA IW21 MPN

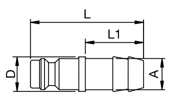
Couplings — RECTUS Series 14KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	60	25	25					Standard	14KA TF06 MPX
									Nickel Plated	14KA TF06 MPN
8 mm	21	60	25	25					Standard	14KA TF08 MPX
									Nickel Plated	14KA TF08 MPN
9 mm	21	60	25	25					Standard	14KA TF09 MPX
									Nickel Plated	14KA TF09 MPN
10 mm	21	60	25	25					Standard	14KA TF10 MPX
									Nickel Plated	14KA TF10 MPN
13 mm	21	60	25	25					Standard	14KA TF13 MPX
									Nickel Plated	14KA TF13 MPN

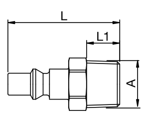
Plugs — RECTUS Series 22SF



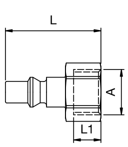
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		49	12	25					Standard	22SF TF06 SXN
									Brass	22SF TF06 MXX
									Nickel Plated	22SF TF06 MXN
8 mm		49	12	25					Standard	22SF TF08 SXN
									Brass	22SF TF08 MXX
									Nickel Plated	22SF TF08 MXN
10 mm		49	12	25					Standard	22SF TF10 SXN
									Brass	22SF TF10 MXX
									Nickel Plated	22SF TF10 MXN
13 mm		49	15	25					Standard	22SF TF13 SXN
									Brass	22SF TF13 MXX
									Nickel Plated	22SF TF13 MXN

Plugs — RECTUS Series 22SF



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	14	41		12					Standard	22SF AK13 SXN
G 1/4									Brass	22SF AK13 MXX
									Nickel Plated	22SF AK13 MXN
R 3/8	17	41		12					Standard	22SF AK17 SXN
G 3/8									Brass	22SF AK17 MXX
									Nickel Plated	22SF AK17 MXN
R 1/2	22	46		17					Standard	22SF AK21 SXN
G 1/2									Brass	22SF AK21 MXX
									Nickel Plated	22SF AK21 MXN
G 1/4	17	35		9					Standard	22SF IW13 SXN
									Brass	22SF IW13 MXX
									Nickel Plated	22SF IW13 MXN
G 3/8	19	35		10					Standard	22SF IW17 SXN
									Brass	22SF IW17 MXX
									Nickel Plated	22SF IW17 MXN

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

Single Shut-Off

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

18KA

actual size

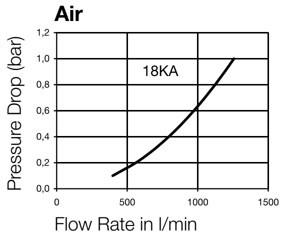
You will find the following alternative versions in our current catalogue on page:

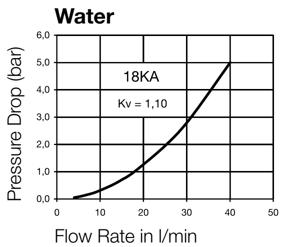
▶Safety Self-Venting P. 282

Technical Description
ISO 6150 C industrial coupling with UltraFlo technology. Robust design. The steel sleeve counters oscillating forces. System has limited use for liquids (steel sleeve/zinc die cast valve).

Dust Caps (P. 331)
for coupling Part.-No. SK23S

Chart





Advantages
Single handed operation. Innovative valve technology. Plug design optimised through greater insert depth. High flow valve.

Interchangeability
CEJN 291
OETIKER
ISO 6150 C

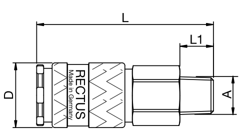
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

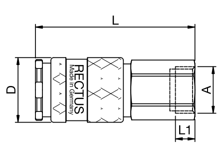
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Zinc Diecasting, Nickel Plated
Inner Sleeve	Brass
Spring Plate	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Nickel Plated

Couplings RECTUS Series 18KA



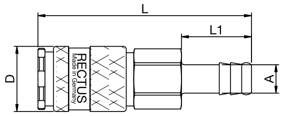
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 1/4	19	63	23	12					Standard	18KA AK13 MPN
Male Thread	R 3/8	19	62	23	12					Standard	18KA AK17 MPN
Male Thread	R 1/2	22	63	23	17					Standard	18KA AK21 MPN
Female Thread	G 1/4	19	58	23	9					Standard	18KA IW13 MPN
Female Thread	G 3/8	19	57	23	9					Standard	18KA IW17 MPN
Female Thread	G 1/2	24	60	23	12					Standard	18KA IW21 MPN

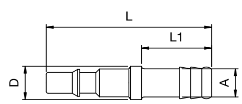
Couplings — RECTUS Series 18KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	76	23	25					Standard	18KA TF06 MPN
8 mm	19	76	23	25					Standard	18KA TF08 MPN
10 mm	19	76	23	25					Standard	18KA TF10 MPN
13 mm	19	76	23	25					Standard	18KA TF13 MPN

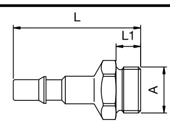
Plugs — RECTUS Series 18KA



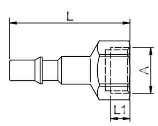
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		59	12	25					Standard	18SF TF06 SXN
8 mm		59	12	25					Standard	18SF TF08 SXN
10 mm		59	12	25					Standard	18SF TF10 SXN

Plugs — RECTUS Series 18KA



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	17	41		9					Standard	18SF AW13 SXN
G 3/8	19	41		9					Standard	18SF AW17 SXN
G 1/4	17	43		9					Standard	18SF IW13 SXN
G 3/8	19	44		9					Standard	18SF IW17 SXN

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

Single Shut-Off

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

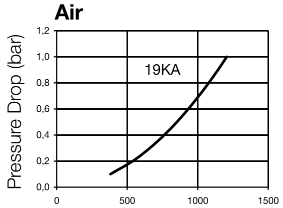
19KA

Technical Description
English industrial profile with UltraFlo technology. Compact dimensions. Robust coupling for compressed air applications. The steel sleeve counters oscillating forces.

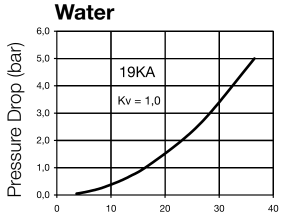
Dust Caps (P. 331)
for coupling Part.-No. SK23S

Chart

Air



Water



Advantages
Single handed operation. Plug design optimised through greater insert depth. High flow valve.

Interchangeability
PCL 60 (UK)

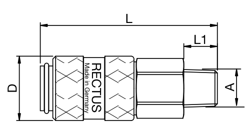
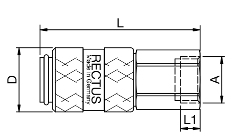
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

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°C (FFKM)
depending on the medium.

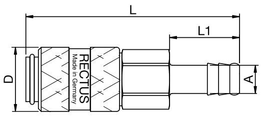
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Zinc Diecasting, Nickel Plated
Inner Sleeve	Brass
Spring Plate	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Nickel Plated

Couplings — RECTUS Series 19KA

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	R 1/4	19	63	23	12					Standard	19KA AK13 MPN
	R 3/8	19	62	23	12					Standard	19KA AK17 MPN
	R 1/2	22	68	23	17					Standard	19KA AK21 MPN
 Female Thread	G 1/4	19	58	23	9					Standard	19KA IW13 MPN
	G 3/8	19	58	23	9					Standard	19KA IW17 MPN
	G 1/2	24	60	23	12					Standard	19KA IW21 MPN

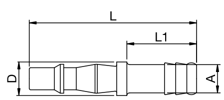
Couplings — RECTUS Series 19KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	76	23	25					Standard	19KA TF06 MPN
8 mm	19	76	23	25					Standard	19KA TF08 MPN
10 mm	19	76	23	25					Standard	19KA TF10 MPN
13 mm	19	76	23	25					Standard	19KA TF13 MPN

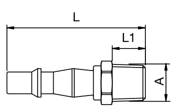
Plugs — RECTUS Series 19KA



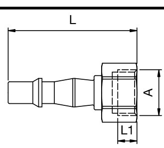
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		60	12	25					Standard	19SF TF06 SXN
8 mm		60	12	25					Standard	19SF TF08 SXN
10 mm		60	12	25					Standard	19SF TF10 SXN

Plugs — RECTUS Series 19KA



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	14	50		12					Standard	19SF AK13 SXN
R 3/8	17	50		12					Standard	19SF AK17 SXN
G 1/4	17	46		9					Standard	19SF IW13 SXN
G 3/8	19	47		9					Standard	19SF IW17 SXN

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

Single Shut-Off

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

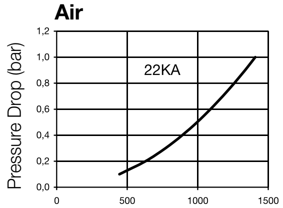
22KA

Technical Description
Industrial coupling with high flow performance from UltraFlo technology. Specially suited to use with gaseous media in industry. The steel sleeve counters oscillating forces. Special variant with brass valve for use with liquids.

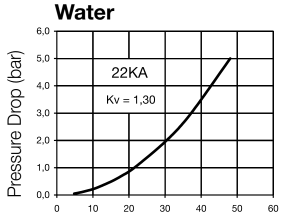
Dust Caps (P. 331)
for coupling Part.-No. SK23S

Chart

Air



Water



Advantages
Single handed operation. Plug design optimised through greater insert depth. High flow valve.

Interchangeability
RECTUS 14
ARO 210
PARKER 50
CEJN 300
ORION 44510
JWL 522 + JWL 532
various Swiss products

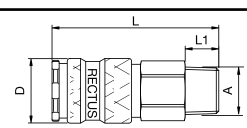
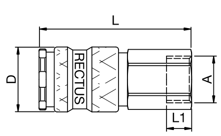
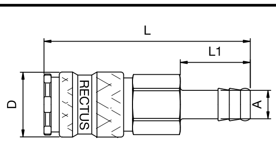
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

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°C (FFKM)
depending on the medium.

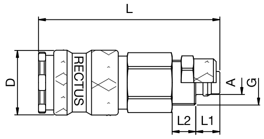
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Zinc Diecasting, Nickel Plated
Inner Sleeve	Brass
Spring Plate	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Nickel Plated or Brass and Brass, Nickel Plated

Couplings — RECTUS Series 22KA

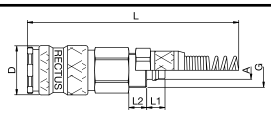
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	R 1/4	19	61	23	12					Standard	22KA AK13 MPN
	R 3/8	19	60	23	12					Standard	22KA AK17 MPN
	R 1/2	22	61	23	17					Standard	22KA AK21 MPN
 Female Thread	G 1/4	19	56	23	9					Standard	22KA IW13 MPN
	G 3/8	19	55	23	9					Standard	22KA IW17 MPN
	G 1/2	24	58	23	9					Standard	22KA IW21 MPN
 Hose Barb	6 mm	19	74	23	25					Standard	22KA TF06 MPN
	8 mm	19	74	23	25					Standard	22KA TF08 MPN
	9 mm	19	74	23	25					Standard	22KA TF09 MPN
	10 mm	19	74	23	25					Standard	22KA TF10 MPN
	13 mm	19	74	23	25					Standard	22KA TF13 MPN

Couplings — RECTUS Series 22KA



Plastic Hose Connection

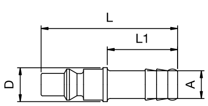
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 x 8 mm	19	61	23	7	6			M 12 x 1	Standard	22KA KO08 MPN
8 x 10 mm	19	65	23	9	8			M 16 x 1	Standard	22KA KO10 MPN



Plastic Hose Connection w. Spring Guard

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 x 8 mm	19	126	23	7	6			M 12 x 1	Standard	22KA KK08 MPN

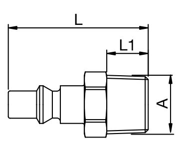
Plugs — RECTUS Series 22KA



Hose Barb

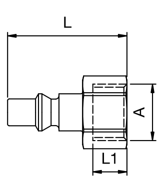
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		49	12	25					Standard	22SF TF06 SXN
									Brass	22SF TF06 MXX
									Brass, Nickel P.	22SF TF06 MXN
8 mm		49	12	25					Standard	22SF TF08 SXN
									Brass	22SF TF08 MXX
									Brass, Nickel P.	22SF TF08 MXN
10 mm		49	12	25					Standard	22SF TF10 SXN
									Brass	22SF TF10 MXX
									Brass, Nickel P.	22SF TF10 MXN
13 mm		49	15	25					Standard	22SF TF13 SXN
									Brass	22SF TF13 MXX
									Brass, Nickel P.	22SF TF13 MXN

Plugs — RECTUS Series 22KA



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	14	41		12					Standard	22SF AK13 SXN
G 1/4									Brass	22SF AK13 MXX
R 3/8	17	41		12					Standard	22SF AK17 SXN
G 3/8									Brass	22SF AK17 MXX
									Brass, Nickel P.	22SF AK17 MXN
R 1/2	22	46		17					Standard	22SF AK21 SXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	17	35		9					Standard	22SF IW13 SXN
									Brass	22SF IW13 MXX
									Brass, Nickel P.	22SF IW13 MXN
G 3/8	19	35		10					Standard	22SF IW17 SXN
									Brass	22SF IW17 MXX
									Brass, Nickel P.	22SF IW17 MXN
G 1/2	24	35		12					Standard	22SF IW21 SXN

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

Single Shut-Off

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

23KA

actual size

You will find the following alternative versions in our current catalogue on page:

▶ Safety Self-Venting P. 284

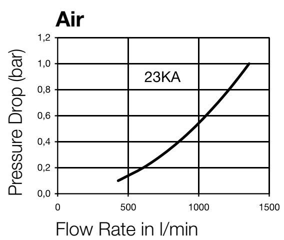
Technical Description

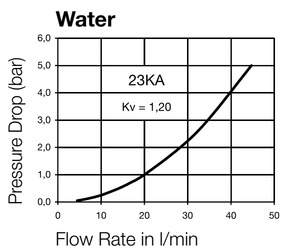
1/4” industrial coupling with UltraFlo technology in accordance with ISO 6150 B and US Mil. Spec. 4109. Especially suitable for use with gaseous media in industry. Steel sleeve counters oscillating forces. Special variants with brass valve for use with liquids.

Dust Caps (P. 331)

for coupling Part.-No. SK23S

Chart





Advantages

High flow performance with low pressure drop and a multitude of connection options.

Interchangeability

INDUSTR. INTERCHANGE 1/4”
US-MIL-SPEC-C-4109
ISO 6150 B
RECTUS 24, RECTUS 1400/1423
TEMA 1400
CEJN 310, HANSEN 3000,
FASTER, GROMELLE 600
PARKER 20 1/4” + 30 1/4”
JWL 521 + JWL 531

Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

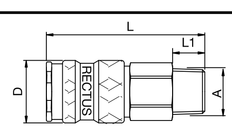
Working Temperature*

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

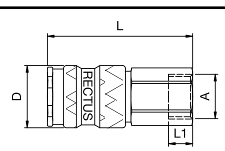
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Zinc Diecasting, Nickel Plated
Inner Sleeve	Brass
Spring Plate	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Nickel Plated or Brass

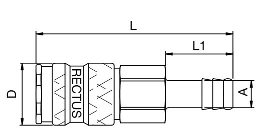
Couplings — RECTUS Series 23KA



Male Thread



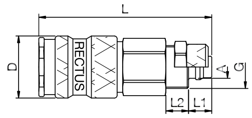
Female Thread



Hose Barb

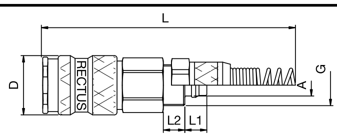
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 1/4	19	61	23	12					Standard	23KA AK13 MPN
	R 3/8	19	60	23	12					Standard	23KA AK17 MPN
	R 1/2	22	61	23	17					Standard	23KA AK21 MPN
Female Thread	G 1/4	19	56	23	9					Standard	23KA IW13 MPN
	G 3/8	19	54	23	9					Standard	23KA IW17 MPN
	G 1/2	24	58	23	9					Standard	23KA IW21 MPN
Hose Barb	6 mm	19	74	23	25					Standard	23KA TF06 MPN
	8 mm	19	74	23	25					Standard	23KA TF08 MPN
	9 mm	19	74	23	25					Standard	23KA TF09 MPN
	10 mm	19	74	23	25					Standard	23KA TF10 MPN
	13 mm	19	74	23	25					Standard	23KA TF13 MPN

Couplings — RECTUS Series 23KA



Plastic Hose Connection

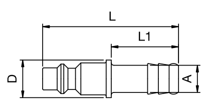
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
8 x 10 mm	19	64	23	9	8			M 16 x 1	Standard	23KA KO10 MPN



Plastic Hose Connection with Spring Guard

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
9 x 12 mm	19	163	23	9	8			M 16 x 1	Standard	23KA KK12 MPN

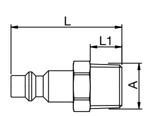
Plugs — RECTUS Series 23KA



Hose Barb

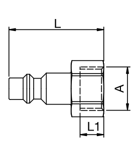
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm		51	14	25					Brass, Nickel P.	23SF TF04 MXN
6 mm		51	14	25					Standard	23SF TF06 SXN
									Brass	23SF TF06 MXX
8 mm		51	14	25					Standard	23SF TF08 SXN
									Brass	23SF TF08 MXX
9 mm		51	14	25					Standard	23SF TF09 SXN
									Brass	23SF TF09 MXX
10 mm		51	14	25					Standard	23SF TF10 SXN
									Brass	23SF TF10 MXX
13 mm		51	14	25					Standard	23SF TF13 SXN

Plugs — RECTUS Series 23KA



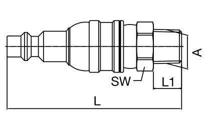
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/8	13	39		9					Standard	23SF AK10 SXN
R 1/4	14	42		12					Standard	23SF AK13 SXN
G 1/4									Brass	23SF AW13 MXX
R 3/8	17	42		12					Standard	23SF AK17 SXN
G 3/8									Brass	23SF AW17 MXX
R 1/2	22	48		17					Standard	23SF AK21 SXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36		9					Standard	23SF IW10 SXN
G 1/4	17	36		9					Standard	23SF IW13 SXN
									Brass	23SF IW13 MXX
G 3/8	19	36		9					Standard	23SF IW17 SXN
									Brass	23SF IW17 MXX
G 1/2	24	39		12					Standard	23SF IW21 SXN



Flex Joint, Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	17	68		11					Brass	23FA AK13 SPN

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

Single Shut-Off

Nominal Diameter

5,5 = 25 mm²

RECTUS Series
1400KA

actual size

You will find the following alternative versions in our current catalogue on page:

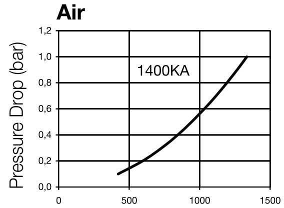
- ▶ Safety Self-Venting P. 284

Technical Description
Rectus Tema premium industrial coupling – the know-how from both brands combined in one system. 1/4" coupling conforming to ISO 6150 B with high grade valve technology, optimum flow performance and minimum coupling forces.

Dust Caps (P. 331)
for coupling Part.-No. SK23S

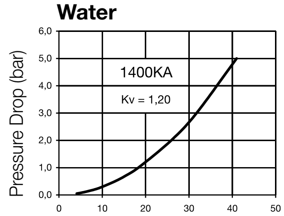
Chart

Air



Flow Rate in l/min

Water



Flow Rate in l/min

Advantages
Single handed operation. High flow valve. Minimum coupling forces.

Interchangeability
RECTUS 23 + 24,
RECTUS 1423
TEMA 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

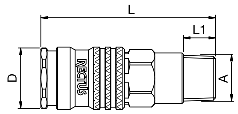
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

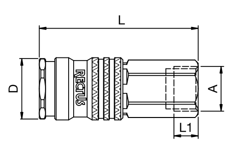
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel, QPQ treated
Sleeve	Brass, Nickel Plated
Valve	Brass
Spring	AISI 301
Locking Ring and Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened and Nickel Plated

Couplings — RECTUS Series 1400KA



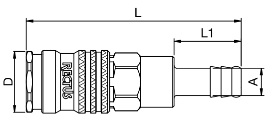
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 1/4	19	65	23	12					Standard	1400KA AK13 SPN
	R 3/8	19	65	23	12					Standard	1400KA AK17 SPN
	R 1/2	22	59,5	23	17					Standard	1400KA AK21 SPN
Female Thread	G 1/4	19	59	23	9					Standard	1400KA IW13 SPN
	G 3/8	19	59	23	9					Standard	1400KA IW17 SPN
	G 1/2	24	62	23	12					Standard	1400KA IW21 SPN

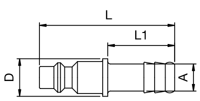
Couplings — RECTUS Series 1400KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	80	23	25					Standard	1400KA TF06 SPN
8 mm	19	80	23	25					Standard	1400KA TF08 SPN
10 mm	19	80	23	25					Standard	1400KA TF10 SPN
13 mm	19	80	23	25					Standard	1400KA TF13 SPN

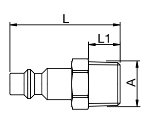
Plugs — RECTUS Series 23SF



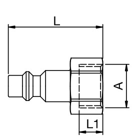
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm		51	14	25					Brass, Nickel P.	23SF TF04 MXN
6 mm		51	14	25					Standard	23SF TF06 SXN
									Brass	23SF TF06 MXX
8 mm		51	14	25					Standard	23SF TF08 SXN
									Brass	23SF TF08 MXX
9 mm		51	14	25					Standard	23SF TF09 SXN
									Brass	23SF TF09 MXX
10 mm		51	14	25					Standard	23SF TF10 SXN
									Brass	23SF TF10 MXX
13 mm		51	15	25					Standard	23SF TF13 SXN

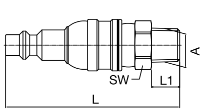
Plugs — RECTUS Series 23SF



Male Thread



Female Thread



Flex Joint, Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/8	13	39		9					Standard	23SF AK10 SXN
R 1/4	14	42		12					Standard	23SF AK13 SXN
G 1/4									Brass	23SF AW13 MXX
R 3/8	17	42		12					Standard	23SF AK17 SXN
G 3/8									Brass	23SF AW17 MXX
R 1/2	22	48		17					Standard	23SF AK21 SXN
G 1/8	14	36		9					Standard	23SF IW10 SXN
G 1/4	17	36		9					Standard	23SF IW13 SXN
									Brass	23SF IW13 MXX
G 3/8	19	36		9					Standard	23SF IW17 SXN
									Brass	23SF IW17 MXX
G 1/2	24	39		12					Standard	23SF IW21 SXN
R 1/4	17	68		11					Standard	23FA AK13 SPN

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

Single Shut-Off

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

1423KA

actual size

You will find the following alternative versions in our current catalogue on page:

▶ Safety Self-Venting P. 284

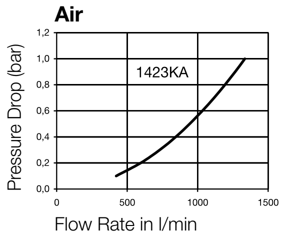
Technical Description

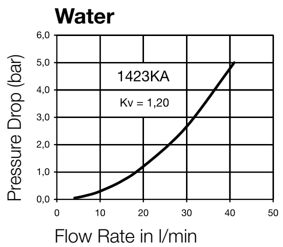
Rectus Tema premium industrial coupling - the know-how from both brands combined in one system. 1/4" coupling conforming to ISO 6150 B with high grade valve technology, optimum flow performance and minimum coupling forces. Especially robust 2-component plastic sleeve.

Dust Caps (P. 331)

for coupling Part.-No. SK23S

Chart





Advantages

Single handed operation. High flow valve. Minimum coupling forces.

Interchangeability

RECTUS 23 + 24,
RECTUS 1400
TEMA 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

Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

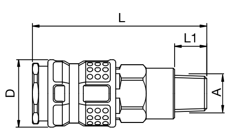
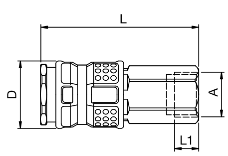
Working Temperature*

-20°C up to +80°C (NBR)
-20°C up to +80°C (EPDM)
-20°C up to +80°C (FKM)
depending on the medium.

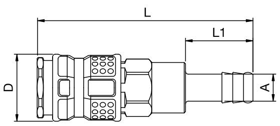
*At a temperature below -20°C and above +80°C special seals are available on request.

Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel, QPQ treated
Sleeve	PA6 + TPE
Valve	Brass
Spring	AISI 301
Locking Ring and Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened and Nickel Plated

Couplings — RECTUS Series 1423KA

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	R 1/4	19	65	26	12					Standard	1423KA AK13 SPN
	R 3/8	19	65	26	12					Standard	1423KA AK17 SPN
	R 1/2	22	59,5	26	17					Standard	1423KA AK21 SPN
 Female Thread	G 1/4	19	59	26	9					Standard	1423KA IW13 SPN
	G 3/8	19	59	26	9					Standard	1423KA IW17 SPN
	G 1/2	24	62	26	12					Standard	1423KA IW21 SPN

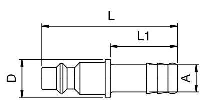
Couplings — RECTUS Series 1423KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	80	26	25					Standard	1423KA TF06 SPN
8 mm	19	80	26	25					Standard	1423KA TF08 SPN
9 mm	19	80	26	25					Standard	1423KA TF09 SPN
10 mm	19	80	26	25					Standard	1423KA TF10 SPN
13 mm	19	80	26	25					Standard	1423KA TF13 SPN

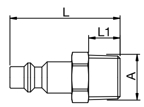
Plugs — RECTUS Series 23SF



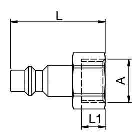
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm		51	14	25					Brass, Nickel P.	23SF TF04 MXN
6 mm		51	14	25					Standard	23SF TF06 SXN
									Brass	23SF TF06 MXX
8 mm		51	14	25					Standard	23SF TF08 SXN
									Brass	23SF TF08 MXX
9 mm		51	14	25					Standard	23SF TF09 SXN
									Brass	23SF TF09 MXX
10 mm		51	14	25					Standard	23SF TF10 SXN
									Brass	23SF TF10 MXX
13 mm		51	14	25					Standard	23SF TF13 SXN

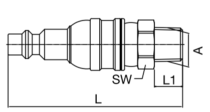
Plugs — RECTUS Series 23SF



Male Thread



Female Thread



Flex Joint, Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/8	13	39		9					Standard	23SF AK10 SXN
R 1/4	14	42		12					Standard	23SF AK13 SXN
G 1/4									Brass	23SF AW13 MXX
R 3/8	17	42		12					Standard	23SF AK17 SXN
G 3/8									Brass	23SF AW17 MXX
R 1/2	22	48		17					Standard	23SF AK21 SXN
G 1/8	14	36		9					Standard	23SF IW10 SXN
G 1/4	17	36		9					Standard	23SF IW13 SXN
									Brass	23SF IW13 MXX
G 3/8	19	36		9					Standard	23SF IW17 SXN
									Brass	23SF IW17 MXX
G 1/2	24	39		12					Standard	23SF IW21 SXN
R 1/4	17	68		11					Standard	23FA AK13 SPN

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

Single Shut-Off

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

24KA

actual size

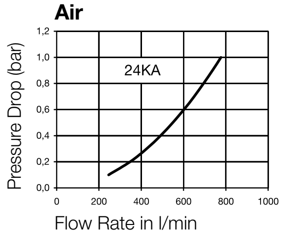
You will find the following alternative versions in our current catalogue on page:

▶ Safety Self-Venting P. 286

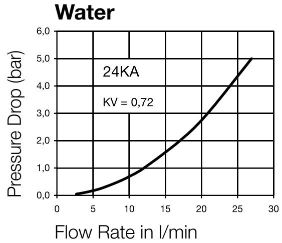
Technical Description
1/4" Industrial brass coupling conforming to ISO 6150B and US Mil. Spec 4109. Notable for brass mass design and corresponding sleeve design. Hardened steel plug counters vibrations and effects of external forces.

Chart

Air



Water



Advantages
Single handed operation.

Interchangeability
RECTUS 23
RECTUS 1400/1423
TEMA 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

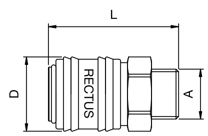
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

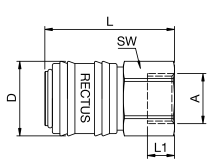
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	**Standard**	**Nickel Plated**
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Pins	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Steel Hardened, Nickel Plated or Brass	

Couplings — RECTUS Series 24KA



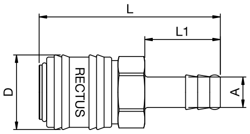
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/4	22	43	25	9					Standard	24KA AW13 MPX
										Nickel Plated	24KA AW13 MPN
	G 3/8	22	43	25	9					Standard	24KA AW17 MPX
										Nickel Plated	24KA AW17 MPN
	G 1/2	22	46	25	12					Standard	24KA AW21 MPX
										Nickel Plated	24KA AW21 MPN
Female Thread	G 1/4	22	43	25	11					Standard	24KA IW13 MPX
										Nickel Plated	24KA IW13 MPN
	G 3/8	22	43	25	9					Standard	24KA IW17 MPX
										Nickel Plated	24KA IW17 MPN
	G 1/2	22	46	25	12					Standard	24KA IW21 MPX
										Nickel Plated	24KA IW21 MPN

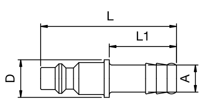
Couplings — RECTUS Series 24KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	60	25	25					Standard	24KA TF06 MPX
8 mm	21	60	25	25					Standard	24KA TF08 MPX
									Nickel Plated	24KA TF08 MPN
9 mm	21	60	25	25					Standard	24KA TF09 MPX
10 mm	21	60	25	25					Standard	24KA TF10 MPX
13 mm	21	60	25	25					Standard	24KA TF13 MPX

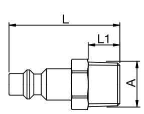
Plugs — RECTUS Series 23SF



Hose Barb

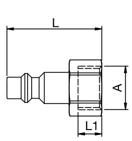
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm		51	14	25					Brass, Nickel P.	23SF TF04 MXN
6 mm		51	14	25					Standard	23SF TF06 SXN
									Brass	23SF TF06 MXX
8 mm		51	14	25					Standard	23SF TF08 SXN
									Brass	23SF TF08 MXX
9 mm		51	14	25					Standard	23SF TF09 SXN
									Brass	23SF TF09 MXX
10 mm		51	14	25					Standard	23SF TF10 SXN
									Brass	23SF TF10 MXX
13 mm		51	15	25					Standard	23SF TF13 SXN

Plugs — RECTUS Series 23SF



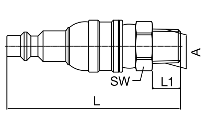
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/8	13	39		9					Standard	23SF AK10 SXN
R 1/4	14	42		12					Standard	23SF AK13 SXN
G 1/4									Brass	23SF AW13 MXX
R 3/8	17	42		12					Standard	23SF AK17 SXN
G 3/8									Brass	23SF AW17 MXX
R 1/2	22	48		17					Standard	23SF AK21 SXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36		9					Standard	23SF IW10 SXN
G 1/4	17	36		9					Standard	23SF IW13 SXN
									Brass	23SF IW13 MXX
G 3/8	19	36		9					Standard	23SF IW17 SXN
									Brass	23SF IW17 MXX
G 1/2	24	39		12					Standard	23SF IW21 SXN



Flex Joint, Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	17	68		11					Standard	23FA AK13 SPN

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

Single Shut-Off

Nominal Diameter

6 = 30 mm²

RECTUS Series

31KA

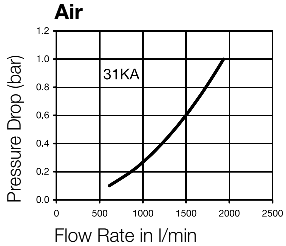

actual size

Technical Description
Steel industrial coupling with high flow due to UltraFlo technology. Widely used in the Scandinavian market. Specially suited to use with gaseous media in industry.

Dust Caps (P. 331)
for coupling	Part.-No. SK23S
for plug	Part.-No. SK12S

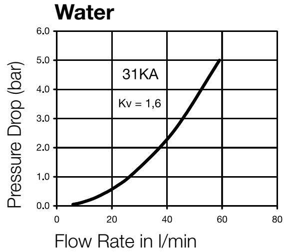
Chart

Air



Flow Rate in l/min

Water



Flow Rate in l/min

Advantages
Single handed operation. Extremely high flow performance from optimum valve design. High flow valve.

Interchangeability
TEMA 1300 (single shut-off)
Cejn 303

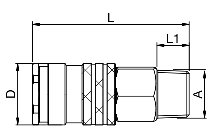
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

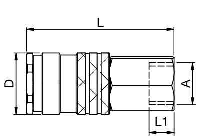
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	Standard
Coupling	
Back Body	Brass, Nickel Plated,
Valve Body	Steel, Black Nitrided
Sleeve	Brass, Nickel Plated
Valve	Brass
Spring Plate	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Zinc Chromatized

Couplings — RECTUS Series 31KA



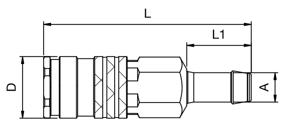
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 1/4	19	58	22	12					Standard	31KA AK13 SPN
Male Thread	R 3/8	19	56	22	12					Standard	31KA AK17 SPN
Male Thread	R 1/2	23	57	26	14					Standard	31KA AK21 SPN
Female Thread	G 1/4	19	55	22	11					Standard	31KA IW13 SPN
Female Thread	G 3/8	20	55	22	10					Standard	31KA IW17 SPN

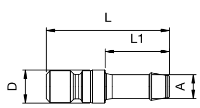
Couplings — RECTUS Series 31KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	78	22	23					Standard	31KA TF06 SPN
8 mm	19	78	22	23					Standard	31KA TF08 SPN
10 mm	19	78	22	23					Standard	31KA TF10 SPN
13 mm	19	77	22	24					Standard	31KA TF13 SPN

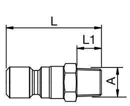
Plugs — RECTUS Series 31KA



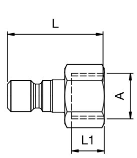
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		44	12	23					Standard	31SF TF06 SXZ
8 mm		44	12	23					Standard	31SF TF08 SXZ
10 mm		44	12	24					Standard	31SF TF10 SXZ
13 mm		47	12	24					Standard	31SF TF13 SXZ

Plugs — RECTUS Series 31KA



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/8	13	35		9					Standard	31SF AK10 SXZ
R 1/4	14	38		12					Standard	31SF AK13 SXZ
R 3/8	17	38		12					Standard	31SF AK17 SXZ
R 1/2	22	40		14					Standard	31SF AK21 SXZ
G 1/8	13	32		8,5					Standard	31SF IW10 SXZ
G 1/4	16	36		10					Standard	31SF IW13 SXZ
G 3/8	20	36		10					Standard	31SF IW17 SXZ

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

Single Shut-Off

Nominal Diameter

6 = 30 mm²

RECTUS Series

51KB

actual size

You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Double Shut-off P. 130

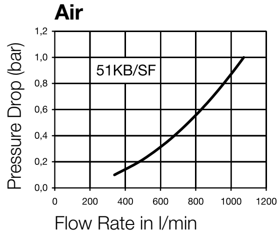
Technical Description
German industrial profile with UltraFlo technology. Small dimensions. Robust steel coupling for compressed air applications, especially with oscillating forces due to the greater insert depth of the plug profile and steel sleeve.

Dust Caps (P. 331)

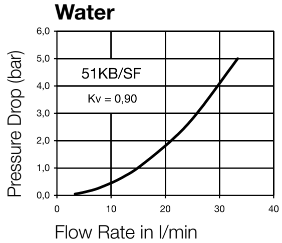
for coupling Part.-No. SK23S

Chart

Air



Water



Advantages
Single handed operation. Ergonomic design. High flow valve.

Interchangeability
WALTHER SP006

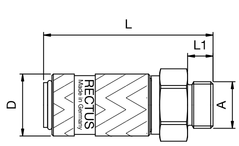
Working Pressure
PB = 50 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

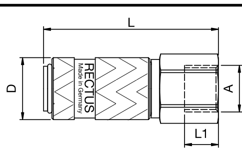
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Brass, Nickel Plated
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Spring Plate	Brass
Plug	
Plug	Steel Hardened, Nickel Plated

Couplings — RECTUS Series 51KB



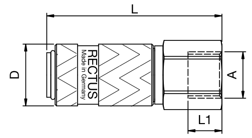
Male Thread



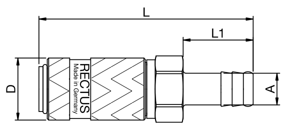
Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/4	22	61	22	9					Standard	51KB AW13 SPN
Male Thread	G 3/8	22	61	22	9					Standard	51KB AW17 SPN
Male Thread	G 1/2	22	61	22	12					Standard	51KB AW21 SPN
Female Thread	G 1/4	22	63	22	12					Standard	51KB IW13 SPN

Couplings — RECTUS Series 51KB



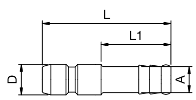
Female Thread



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	22	63	22	12					Standard	51KB IW17 SPN
G 1/2	24	64	22	13					Standard	51KB IW21 SPN
6 mm	21	78	22	25					Standard	51KB TF06 SPN
9 mm	21	78	22	25					Standard	51KB TF09 SPN
13 mm	21	78	22	25					Standard	51KB TF13 SPN

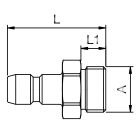
Plugs — RECTUS Series 51KB



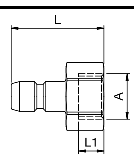
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		46	11	25					Standard	51SF TF06 SXN
9 mm		46	11	25					Standard	51SF TF09 SXN

Plugs — RECTUS Series 51KB



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	17	35		9					Standard	51SF AW13 SXN
G 3/8	19	36		9					Standard	51SF AW17 SXN
G 1/4	17	34		11					Standard	51SF IW13 SXN
G 3/8	19	34		11					Standard	51SF IW17 SXN

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

Nominal Diameter

6 = 30 mm²

RECTUS Series

52KB


actual size

You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Double Shut-off P. 132

Technical Description

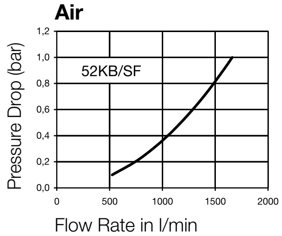
German industrial profile with UltraFlo technology. Small dimensions. Robust steel coupling for compressed air applications, especially with oscillating forces due to the greater insert depth of the plug profile and steel sleeve.

Dust Caps (P. 331)

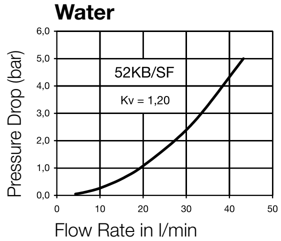
for coupling Part.-No. SK23S
for plug Part.-No. SK12S

Chart

Air



Water



Advantages

Single handed operation. Ergonomic design. High flow valve.

Interchangeability

WALTHER LP006

Working Pressure

PB = 50 bar, maximum static working pressure with safety factor of 4 to 1.

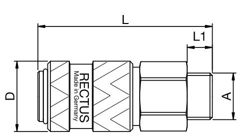
Working Temperature*

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

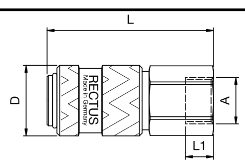
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Brass, Nickel Plated
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Inner Sleeve	Brass
Spring Plate	Brass
Plug	
Plug	Steel Hardened, Nickel Plated

Couplings — RECTUS Series 52KB



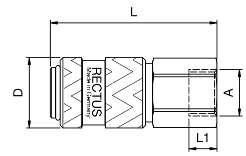
Male Thread



Female Thread

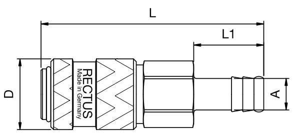
Type	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/4	22	62	25	9					Standard	52KB AW13 SPN
Male Thread	G 3/8	22	62	25	9					Standard	52KB AW17 SPN
Male Thread	G 1/2	22	62	25	12					Standard	52KB AW21 SPN
Female Thread	G 1/4	22	62	25	10					Standard	52KB IW13 SPN

Couplings — RECTUS Series 52KB



Female Thread

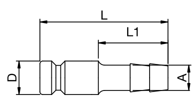
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	22	60	25	10					Standard	52KB IW17 SPN
G 1/2	22	65	25	13					Standard	52KB IW21 SPN



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	79	25	25					Standard	52KB TF06 SPN
9 mm	21	80	25	25					Standard	52KB TF09 SPN
10 mm	21	80	25	25					Standard	52KB TF110 SPN
11 mm	21	80	25	25					Standard	52KB TF11 SPN
13 mm	21	79	25	25					Standard	52KB TF13 SPN

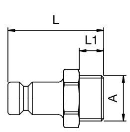
Plugs — RECTUS Series 52KB



Hose Barb

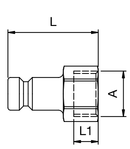
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		46	12	25					Standard	52SF TF06 SXN
9 mm		46	12	25					Standard	52SF TF09 SXN
11 mm		53	12	30					Standard	52SF TF11 SXN
13 mm		53	12	30					Standard	52SF TF13 SXN

Plugs — RECTUS Series 52KB



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	32		7					Standard	52SF AW10 SXN
G 1/4	17	35		9					Standard	52SF AW13 SXN
G 3/8	19	35		9					Standard	52SF AW17 SXN
G 1/2	24	38		12					Standard	52SF AW21 SXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	31		7					Standard	52SF IW10 SXN
G 1/4	17	33		9					Standard	52SF IW13 SXN
G 3/8	19	33		9					Standard	52SF IW17 SXN
G 1/2	24	36		12					Standard	52SF IW21 SXN

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

Single Shut-Off

Nominal Diameter

7,2 = 40 mm²

RECTUS Series

26KA

actual size

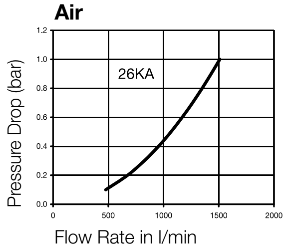
You will find the following alternative versions in our current catalogue on page:

- ▶ Brass/Steel Double Shut-off P. 136
- ▶ Stainless Steel P. 189
- ▶ Safety Self-Venting P. 288

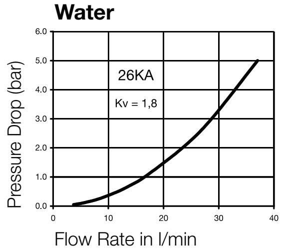
Technical Description
European standard industrial profile. Universal brass coupling. Small mass size. Ergonomic sleeve design prevents dirt on the valve body. Series 26 plugs in brass. Series 25 steel plugs recommended for oscillating forces.

Chart

Air



Water



Advantages
Single handed operation.
European standard.

Interchangeability
RECTUS 25
RECTUS 1600/1625
TEMA 1600
CEJN 320
JWL 520 + JWL 530
and various German products

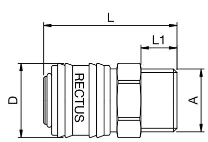
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

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

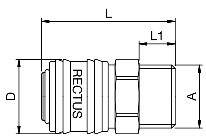
Material	**Standard**	**Nickel Plated**
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Pins	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Brass	Brass, Nickel Plated

Couplings RECTUS Series 26KA



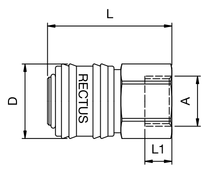
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	22	43	25	9					Standard	26KA AW10 MPX
									Nickel Plated	26KA AW10 MPN
G 1/4	22	39	25	9					Standard	26KA AW13 MPX
									Nickel Plated	26KA AW13 MPN
G 3/8	22	41	25	9					Standard	26KA AW17 MPX
									Nickel Plated	26KA AW17 MPN
G 1/2	22	44	25	12					Standard	26KA AW21 MPX
									Nickel Plated	26KA AW21 MPN
G 1/2	24	42	25	10					Standard	26KA AW21 MPXS_36
									Nickel Plated	26KA AW21 MPNS_09



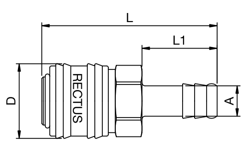
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 14 x 1,5	22	42	25	10					Standard	26KA AD14 MPX
									Nickel Plated	26KA AD14 MPN
M 16 x 1,5	22	43	25	11					Standard	26KA AD16 MPX
									Nickel Plated	26KA AD16 MPN
M 18 x 1,5	22	43	25	11					Standard	26KA AD18 MPX
									Nickel Plated	26KA AD18 MPN



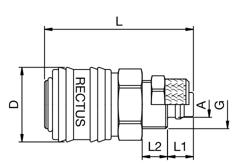
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	22	41	25	9					Standard	26KA IW13 MPX
									Nickel Plated	26KA IW13 MPN
G 3/8	22	41	25	9					Standard	26KA IW17 MPX
									Nickel Plated	26KA IW17 MPN
G 1/2	24	44	25	10					Standard	26KA IW21 MPX
									Nickel Plated	26KA IW21 MPN
M 14 x 1,5	22	44	25	9					Standard	26KA IM14 MPX
									Nickel Plated	26KA IM14 MPN
M 16 x 1,5	22	44	25	9					Standard	26KA IM16 MPX
									Nickel Plated	26KA IM16 MPN
M 18 x 1,5	22	44	25	9					Standard	26KA IM18 MPX
									Nickel Plated	26KA IM18 MPN



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	58	25	25					Standard	26KA TF06 MPX
									Nickel Plated	26KA TF06 MPN
8 mm	21	58	25	25					Standard	26KA TF08 MPX
									Nickel Plated	26KA TF08 MPN
9 mm	21	58	25	25					Standard	26KA TF09 MPX
									Nickel Plated	26KA TF09 MPN
10 mm	21	58	25	25					Standard	26KA TF10 MPX
									Nickel Plated	26KA TF10 MPN
13 mm	21	58	25	25					Standard	26KA TF13 MPX
									Nickel Plated	26KA TF13 MPN
6 mm Parker	21	58	25	20,5					Standard	26KA TP06 MPX
									Nickel Plated	26KA TP06 MPN
10 mm Parker	21	58	25	24					Standard	26KA TP10 MPX
									Nickel Plated	26KA TP10 MPN
13 mm Parker	21	58	25	28					Standard	26KA TP13 MPX
									Nickel Plated	26KA TP13 MPN

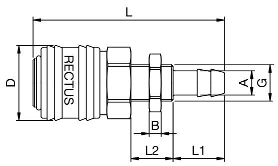


Plastic Hose Connection

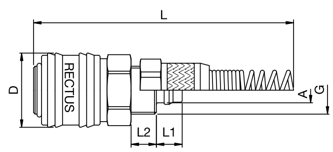
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	21	58	25	7	6			M 10 x 1	Standard	26KA KO06 MPX
									Nickel Plated	26KA KO06 MPN
6 x 8 mm	21	45	25	7	6			M 12 x 1	Standard	26KA KO08 MPX
									Nickel Plated	26KA KO08 MPN
8 x 10 mm	21	49	25	9	8			M 16 x 1	Standard	26KA KO10 MPX
									Nickel Plated	26KA KO10 MPN
9 x 12 mm	21	49	25	9	8			M 16 x 1	Standard	26KA KO12 MPX
									Nickel Plated	26KA KO12 MPN

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

Couplings — RECTUS Series 26KA



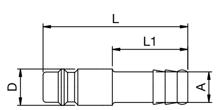
Panel Mount
Hose Barb



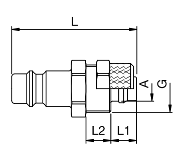
Plastic Hose Connection

Type	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Panel Mount Hose Barb	6 mm	21	60	25	17	10	17	4	M 12 x 1	Standard	26KA TS06 MPX
										Nickel Plated	26KA TS06 MPN
	8 mm	21	63	25	17	14	17	4	M 12 x 1	Standard	26KA TS08 MPX
										Nickel Plated	26KA TS08 MPN
	10 mm	21	72	25	25	14	17	4	G 1/4	Standard	26KA TS10 MPX
										Nickel Plated	26KA TS10 MPN
Plastic Hose Connection	6 x 8 mm	21	132	25	7	6			M 12 x 1	Standard	26KA KK08 MPX
										Nickel Plated	26KA KK08 MPN
	8 x 10 mm	21	143	25	9	8			M 16 x 1	Standard	26KA KK10 MPX
										Nickel Plated	26KA KK10 MPN
	9 x 12 mm	21	150	25	9	8			M 16 x 1	Standard	26KA KK12 MPX
										Nickel Plated	26KA KK12 MPN

Plugs — RECTUS Series 26KA



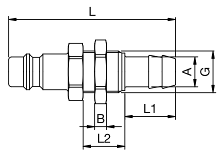
Hose Barb



Plastic Hose Connection

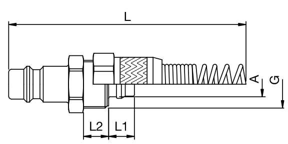
Type	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Hose Barb	4 mm		48	12	25					Standard	26SF TF04 MXX
										Nickel Plated	26SF TF04 MXN
	6 mm		48	12	25						26SF TF06 MXX
										Nickel Plated	26SF TF06 MXN
	8 mm		48	12	25					Standard	26SF TF08 MXX
										Nickel Plated	26SF TF08 MXN
	9 mm		48	12	25					Standard	26SF TF09 MXX
										Nickel Plated	26SF TF09 MXN
	10 mm		48	12	25					Standard	26SF TF10 MXX
										Nickel Plated	26SF TF10 MXN
	13 mm		48	15	25					Standard	26SF TF13 MXX
										Nickel Plated	26SF TF13 MXN
	6 mm Parker		43	16	20,5					Standard	26SF TP06 MXX
										Nickel Plated	26SF TP06 MXN
	10 mm Parker		46	22	24					Standard	26SF TP10 MXX
										Nickel Plated	26SF TP10 MXN
	13 mm Parker		50	24	28					Standard	26SF TP13 MXX
										Nickel Plated	26SF TP13 MXN
Plastic Hose Connection	4 x 6 mm		34	12	7	6			M 10 x 1	Standard	26SF KO06 MXX
										Nickel Plated	26SF KO06 MXN
	6 x 8 mm		34	12	7	6			M 12 x 1	Standard	26SF KO08 MXX
										Nickel Plated	26SF KO08 MXN
	8 x 10 mm	17	42		9	6			M 16 x 1	Standard	26SF KO10 MXX
										Nickel Plated	26SF KO10 MXN
	9 x 12 mm	17	42		9	8			M 16 x 1	Standard	26SF KO12 MXX
										Nickel Plated	26SF KO12 MXN

Plugs — RECTUS Series 26KA



Panel Mount Hose Barb

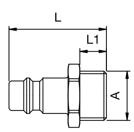
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	14	56		17	14	17	4	M 12 x 1	Standard	26SF TS06 MXX
									Nickel Plated	26SF TS06 MXN
8 mm	17	56		17	14	17	4	M 12 x 1	Standard	26SF TS08 MXX
									Nickel Plated	26SF TS08 MXN
10 mm	17	56		17	14	19	4	M 14 x 1	Standard	26SF TS10 MXX
									Nickel Plated	26SF TS10 MXN



Plastic Hose Connection with Spring Guard

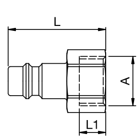
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm		120	12	7	6			M 10 x 1	Standard	26SF KK06 MXX
									Nickel Plated	26SF KK06 MXN
6 x 8 mm		127	12	7	6			M 12 x 1	Standard	26SF KK08 MXX
									Nickel Plated	26SF KK08 MXN
8 x 10 mm	17	135		9	8			M 16 x 1	Standard	26SF KK10 MXX
									Nickel Plated	26SF KK10 MXN
9 x 12 mm	17	142		9	8			M 16 x 1	Standard	26SF KK12 MXX
									Nickel Plated	26SF KK12 MXN

Plugs — RECTUS Series 26KA



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	31		7					Standard	26SF AW10 MXX
									Nickel Plated	26SF AW10 MXN
G 1/4	17	33		9					Standard	26SF AW13 MXX
									Nickel Plated	26SF AW13 MXN
G 3/8	19	33		9					Standard	26SF AW17 MXX
									Nickel Plated	26SF AW17 MXN
G 1/2	24	38		12					Standard	26SF AW21 MXX
									Nickel Plated	26SF AW21 MXN
M 14 x 1,5	17	35		10					Standard	26SF AD14 MXX
									Nickel Plated	26SF AD14 MXN
M 16 x 1,5	19	36		11					Standard	26SF AD16 MXX
									Nickel Plated	26SF AD16 MXN
M 18 x 1,5	22	37		11					Standard	26SF AD18 MXX
									Nickel Plated	26SF AD18 MXN

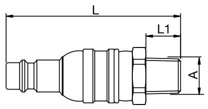


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	30		7					Standard	26SF IW10 MXX
									Nickel Plated	26SF IW10 MXN
G 1/4	17	33		10					Standard	26SF IW13 MXX
									Nickel Plated	26SF IW13 MXN
G 3/8	19	33		10					Standard	26SF IW17 MXX
									Nickel Plated	26SF IW17 MXN
G 1/2	24	35		12					Standard	26SF IW21 MXX
									Nickel Plated	26SF IW21 MXN
M 14 x 1,5	17	33		10					Standard	26SF IM14 MXX
									Nickel Plated	26SF IM14 MXN
M 16 x 1,5	19	33		10					Standard	26SF IM16 MXX
									Nickel Plated	26SF IM16 MXN
M 18 x 1,5	22	36		13					Standard	26SF IM18 MXX
									Nickel Plated	26SF IM18 MXN

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

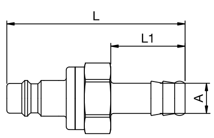
Plugs — RECTUS Series 26KA



Flex Joint, Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	17	64		11					Nickel Plated	25FA AK13 SPN

Recoil Eliminator — RECTUS Series 26KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	60		25					Standard	26SR TF06 MXX
									Nickel Plated	26SR TF06 MXN
8 mm	21	60		25					Standard	26SR TF08 MXX
									Nickel Plated	26SR TF08 MXN
9 mm	21	60		25					Standard	26SR TF09 MXX
									Nickel Plated	26SR TF09 MXN
10 mm	21	60		25					Standard	26SR TF10 MXX
									Nickel Plated	26SR TF10 MXN
13 mm	21	60		25					Standard	26SR TF13 MXX
									Nickel Plated	26SR TF13 MXN

RECTUS Series

13KA

Nominal Diameter

45 mm² = **7,5**

Single Shut-Off

Technical Description
Japanese industrial profile. Robust brass coupling with above average flow volumes and structure resistant to the effects of external forces.

Advantages
Single handed operation.
Anti-corrosive.

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

Interchangeability
RECTUS 03
NITTO-KOHKI 200
CEJN 314
CEJN 315

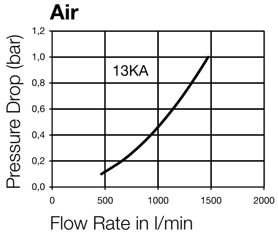
Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

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

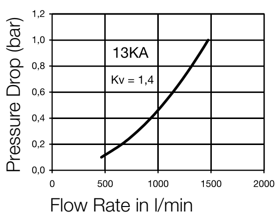
actual size

Chart

Air

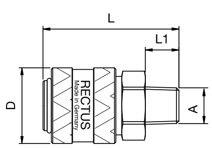


Water

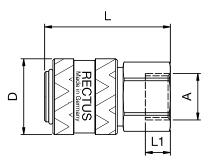


Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Pins	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Steel Hardened, Nickel Plated	

Couplings — RECTUS Series 13KA



Male Thread

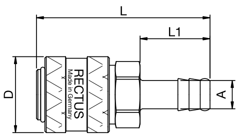


Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 1/4	22	49	27	12					Standard	13KA AK13 MPX
										Nickel Plated	13KA AK13 MPN
	R 3/8	22	49	27	12					Standard	13KA AK17 MPX
										Nickel Plated	13KA AK17 MPN
	R 1/2	22	53	27	17					Standard	13KA AK21 MPX
										Nickel Plated	13KA AK21 MPN
Female Thread	G 1/4	22	45	27	9					Standard	13KA IW13 MPX
										Nickel Plated	13KA IW13 MPN
	G 3/8	22	45	27	9					Standard	13KA IW17 MPX
										Nickel Plated	13KA IW17 MPN
	G 1/2	24	48	27	12					Standard	13KA IW21 MPX
										Nickel Plated	13KA IW21 MPN

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

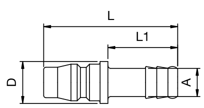
Couplings RECTUS Series 13KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	62	27	25					Standard	13KA TF06 MPX
									Nickel Plated	13KA TF06 MPN
8 mm	21	62	27	25					Standard	13KA TF08 MPX
									Nickel Plated	13KA TF08 MPN
10 mm	21	62	27	25					Standard	13KA TF10 MPX
									Nickel Plated	13KA TF10 MPN
13 mm	21	62	27	25					Standard	13KA TF13 MPX
									Nickel Plated	13KA TF13 MPN

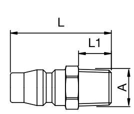
Plugs RECTUS Series 13KA



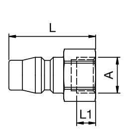
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		48	15	25					Standard	13SF TF06 SXN
8 mm		48	15	25					Standard	13SF TF08 SXN
10 mm		48	15	25					Standard	13SF TF10 SXN
13 mm		48	15	25					Standard	13SF TF13 SXN

Plugs RECTUS Series 13KA



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	14	37		12					Standard	13SF AK13 SXN
R 3/8	17	37		12					Standard	13SF AK17 SXN
R 1/2	22	44		17					Standard	13SF AK21 SXN
G 1/4	17	34		9					Standard	13SF IW13 SXN
G 3/8	19	34		9					Standard	13SF IW17 SXN

25KA

Nominal Diameter

48 mm² = 7,8

Single Shut-Off

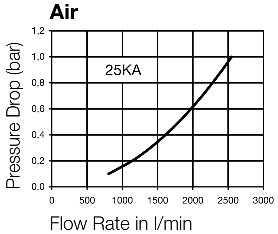
Technical Description
3/8" – 1/2" European industrial profile with UltraFlo technology. High flow performance. Notable for robust design and steel sleeve used with large pneumatic consumers. Also available in brass design.

Dust Caps (P. 331)

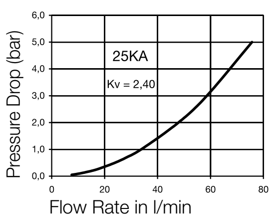
for coupling	Part.-No. SK23S
for plug	Part.-No. SK12S

Chart

Air



Water



Advantages
Single handed operation.
Tough construction.
UltraFlo technology.

Interchangeability
RECTUS 26
RECTUS 1600/1625
TEMA 1600
CEJN 320
JWL 520 + JWL 530
and various German products

Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

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°C (FFKM)
depending on the medium.

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

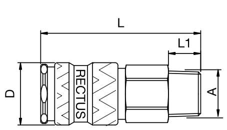
Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Zinc Diecasting, Nickel Plated
Inner Sleeve	Brass
Spring Plate	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Zinc Plated

actual size

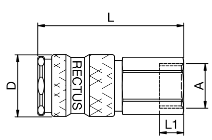
You will find the following alternative versions in our current catalogue on page:

- Brass/Steel Double Shut-off P. 139
- Stainless Steel P. 192
- Safety P. 270
- Safety Self-Venting P. 290
- Coded Systems P. 303

Couplings — RECTUS Series 25KA



Male Thread

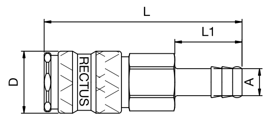


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	19	60	23	12					Standard	25KA AK13 MPN
R 3/8	19	60	23	12					Standard	25KA AK17 MPN
R 1/2	22	61	23	17					Standard	25KA AK21 MPN
M 14 x 1,5	19	59	23	10					Standard	25KA AD14 MPN
M 16 x 1,5	19	60	23	11					Standard	25KA AD16 MPN
M 18 x 1,5	19	60	23	11					Standard	25KA AD18 MPN
G 1/4	19	56	23	10					Standard	25KA IW13 MPN
G 3/8	19	55	23	9					Standard	25KA IW17 MPN
G 1/2	24	58	23	12					Standard	25KA IW21 MPN
M 14 x 1,5	19	55	23	9					Standard	25KA IM14 MPN
M 16 x 1,5	19	55	23	9					Standard	25KA IM16 MPN
M 18 x 1,5	22	56	23	9					Standard	25KA IM18 MPN

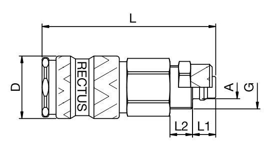
⚠ Please consider our security advices on the pages 12/13 ⚠

Couplings — RECTUS Series 25KA



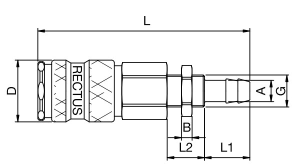
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	74	23	25					Standard	25KA TF06 MPN
8 mm	19	74	23	25					Standard	25KA TF08 MPN
9 mm	19	74	23	25					Standard	25KA TF09 MPN
10 mm	19	74	23	25					Standard	25KA TF10 MPN
13 mm	19	74	23	25					Standard	25KA TF13 MPN
6 mm Parker	19	69	23	20					Standard	25KA TP06 MPN
10 mm Parker	19	73	23	24					Standard	25KA TP10 MPN
13 mm Parker	19	76	23	28					Standard	25KA TP13 MPN



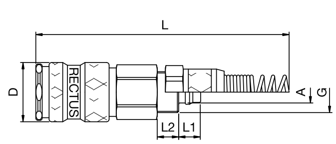
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 x 8 mm	19	61	23	7	6				Standard	25KA KO08 MPN
8 x 10 mm	19	65	23	9	8				Standard	25KA KO10 MPN
9 x 12 mm	19	65	23	9	8				Standard	25KA KO12 MPN



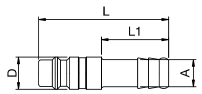
Panel Mount,
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	76	23	17	10	17	4	M 12 x 1	Standard	25KA TS06 MPN
8 mm	19	80	23	17	14	17	4	M 12 x 1	Standard	25KA TS08 MPN
10 mm	19	87	23	25	14	17	4	G 1/4	Standard	25KA TS10 MPN



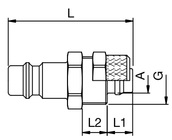
Plastic Hose Connection
with Spring Guard

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 x 8 mm	19	144	23	7	6				Standard	25KA KK08 MPN
8 x 10 mm	19	155	23	9	8				Standard	25KA KK10 MPN
9 x 12 mm	19	162	23	9	8				Standard	25KA KK12 MPN



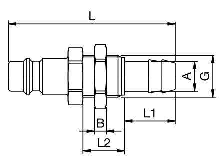
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		48	12	25					Standard	25SF TF06 SXZ
8 mm		48	12	25					Standard	25SF TF08 SXZ
9 mm		48	12	25					Standard	25SF TF09 SXZ
10 mm		48	12	25					Standard	25SF TF10 SXZ
13 mm		48	15	25					Standard	25SF TF13 SXZ



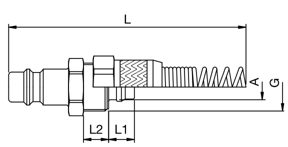
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm		34	12	7	6			M 10 x 1	Standard	26SF KO06 MXX
									Nickel Plated	26SF KO06 MXN
6 x 8 mm		34	12	7	6			M 12 x 1	Standard	26SF KO08 MXX
									Nickel Plated	26SF KO08 MXN
8 x 10 mm	17	42		9	8			M 16 x 1	Standard	26SF KO10 MXX
									Nickel Plated	26SF KO10 MXN
9 x 12 mm	17	42		9	8			M 16 x 1	Standard	26SF KO12 MXX
									Nickel Plated	26SF KO12 MXN



Panel Mount,
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	14	56		17	14	17	4	M 12 x 1	Standard	26SF TS06 MXX
									Nickel Plated	26SF TS06 MXN
8 mm	14	56		17	14	17	4	M 12 x 1	Standard	26SF TS08 MXX
									Nickel Plated	26SF TS08 MXN
10 mm	17	56		17	14	19	4	M 14 x 1	Standard	26SF TS10 MXX
									Nickel Plated	26SF TS10 MXN



Plastic Hose Connection
with Spring Guard

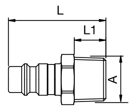
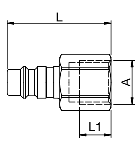
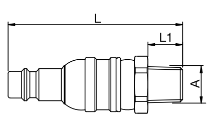
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm		111	12	7	6			M 10 x 1	Standard	26SF KK06 MXX
									Nickel Plated	26SF KK06 MXN
6 x 8 mm		120	12	7	6			M 10 x 1	Standard	26SF KK08 MXX
									Nickel Plated	26SF KK08 MXN
8 x 10 mm	17	132		9	8			M 16 x 1	Standard	26SF KK10 MXX
									Nickel Plated	26SF KK10 MXN
9 x 12 mm	17	139		9	8			M 16 x 1	Standard	26SF KK12 MXX
									Nickel Plated	26SF KK12 MXN

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

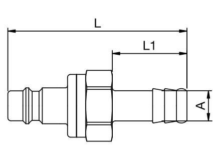
Brass/Steel

Low Pressure

Plugs — RECTUS Series 25KA

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	R 1/8	13	33		9					Standard	25SF AK10 SXZ
	R 1/4	14	36,5		12					Standard	25SF AK13 SXZ
	R 3/8	17	37		12					Standard	25SF AK17 SXZ
	R 1/2	22	43		17					Standard	25SF AK21 SXZ
	M 14 x 1,5	17	35		10					Standard	25SF AD14 SXZ
	M 16 x 1,5	19	36		10					Standard	25SF AD16 SXZ
	M 18 x 1,5	22	37		13					Standard	25SF AD18 SXZ
 Female Thread	G 1/8	14	30		5					Standard	25SF IW10 SXZ
	G 1/4	17	38,5		12					Standard	25SF IW13 SXZ
	G 3/8	19	39,5		12					Standard	25SF IW17 SXZ
	G 1/2	24	44		14					Standard	25SF IW21 SXZ
	M 14 x 1,5	17	33		8					Standard	25SF IM14 SXZ
	M 16 x 1,5	19	33		10					Standard	25SF IM16 SXZ
	M 18 x 1,5	22	36		13					Standard	25SF IM18 SXZ
 Flex Joint, Male Thread	R 1/4	17	64		11					Standard	25FA AK13 SPN

Recoil Eliminator — RECTUS Series 25KA

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Hose Barb	6 mm	21	60		25					Standard	26SR TF06 MXX
										Nickel Plated	26SR TF06 MXN
	8 mm	21	60		25					Standard	26SR TF08 MXX
										Nickel Plated	26SR TF08 MXN
	9 mm	21	60		25					Standard	26SR TF09 MXX
										Nickel Plated	26SR TF09 MXN
	10 mm	21	60		25					Standard	26SR TF10 MXX
										Nickel Plated	26SR TF10 MXN
	13 mm	21	60		25					Standard	26SR TF13 MXX
										Nickel Plated	26SR TF13 MXN

1600KA

Nominal Diameter 48 mm² = 7,8

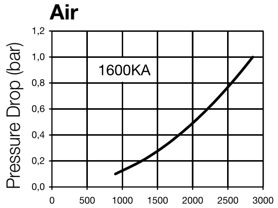
Single Shut-Off

Technical Description
Rectus Tema premium industrial coupling – the know-how from both brands combined in one system. European standard profile. High grade valve technology with optimum flow performance and minimum coupling forces. Suitable for compressed air applications with above average air consumption.

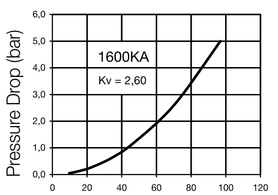
Dust Caps (P. 331)
for coupling	Part.-No. SK23S
for plug	Part.-No. SK12S

Chart

Air



Water



Advantages
Single handed operation. High flow valve. Minimum coupling forces.

Interchangeability
RECTUS 25 + 26
RECTUS 1625
TEMA 1600
CEJN 320
JWL 520 + JWL 530
various German products

Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

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

Material

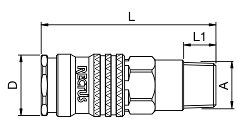
Coupling	**Standard**
Back Body	Brass, Nickel Plated
Valve Body	Steel, QPQ treated
Sleeve	Brass, Nickel Plated
Valve	Brass
Spring	AISI 301
Locking Ring and Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened and Zinc-Plated

actual size

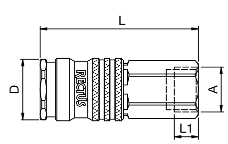
You will find the following alternative versions in our current catalogue on page:

▶ Stainless Steel P. 192
▶ Safety Self-Venting P. 290

Couplings — RECTUS Series 1600KA



Male Thread

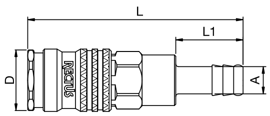


Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 1/4	19	65	23	12					Standard	1600KA AK13 SPN
Male Thread	R 3/8	19	65	23	12					Standard	1600KA AK17 SPN
Male Thread	R 1/2	22	59,5	23	17					Standard	1600KA AK21 SPN
Female Thread	G 1/4	19	59	23	9					Standard	1600KA IW13 SPN
Female Thread	G 3/8	19	59	23	9					Standard	1600KA IW17 SPN
Female Thread	G 1/2	24	62	23	12					Standard	1600KA IW21 SPN

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

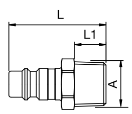
Couplings — RECTUS Series 1600KA



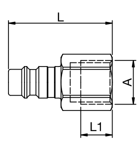
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	80	23	25					Standard	1600KA TF06 SPN
8 mm	19	80	23	25					Standard	1600KA TF08 SPN
9 mm	19	80	23	25					Standard	1600KA TF09 SPN
10 mm	19	80	23	25					Standard	1600KA TF10 SPN
13 mm	19	80	23	25					Standard	1600KA TF13 SPN

Plugs — RECTUS Series 25SF



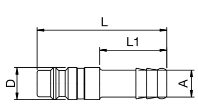
Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/8	13	33		9					Standard	25SF AK10 SXZ
R 1/4	14	37		12					Standard	25SF AK13 SXZ
R 3/8	17	37		12					Standard	25SF AK17 SXZ
R 1/2	22	43		17					Standard	25SF AK21 SXZ
G 1/8	14	30		7					Standard	25SF IW10 SXZ
G 1/4	17	38,5		9					Standard	25SF IW13 SXZ
G 3/8	19	39,5		9					Standard	25SF IW17 SXZ
G 1/2	24	44		12					Standard	25SF IW21 SXZ

Plugs — RECTUS Series 25SF



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		48	12	25					Standard	25SF TF06 SXZ
8 mm		48	12	25					Standard	25SF TF08 SXZ
9 mm		48	12	25					Standard	25SF TF09 SXZ
10 mm		48	12	25					Standard	25SF TF10 SXZ
13 mm		48	15	25					Standard	25SF TF13 SXZ

1625KA

Nominal Diameter

48 mm² = **7,8**

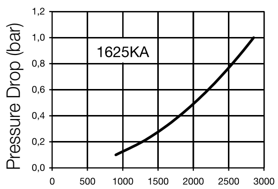
Single Shut-Off

Technical Description
Rectus Tema premium industrial coupling – the know-how from both brands combined in one system. European standard profile. High grade valve technology with optimum flow performance and minimum coupling forces. Extremely robust 2-component thermoplastic sleeve. Suitable for compressed air applications with above average air consumption.

Dust Caps (P. 331)
for coupling Part.-No. SK23S
for plug Part.-No. SK12S

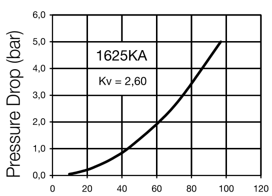
Chart

Air



Flow Rate in l/min

Water



Flow Rate in l/min

Advantages
Single handed operation. High flow valve. Minimum coupling forces.

Interchangeability
RECTUS 25 + 26
RECTUS 1600
TEMA 1600
CEJN 320
JWL 520 + JWL 530
various German products

Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

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

*At a temperature below -20°C and above 40°C special seals are available on request.

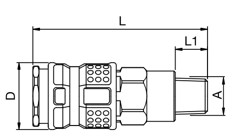
Material

Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel, QPQ treated
Sleeve	PA6 + TPE
Valve	Brass
Spring	AISI 301
Locking Ring and Locking Balls	AISI 420
Seals	NBR
Plug	
Plugs	Steel Hardened and Zinc-Plated

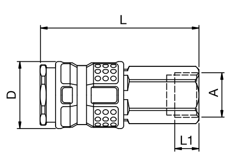
You will find the following alternative versions in our current catalogue on page:

▶ Stainless Steel P. 192
▶ Safety Self-Venting P. 290

Couplings — RECTUS Series 1625KA



Male Thread

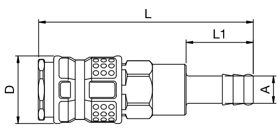


Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 1/4	19	65	26	12					Standard	1625KA AK13 SPN
Male Thread	R 3/8	19	65	26	12					Standard	1625KA AK17 SPN
Male Thread	R 1/2	22	59,5	26	17					Standard	1625KA AK21 SPN
Female Thread	G 1/4	19	59	26	9					Standard	1625KA IW13 SPN
Female Thread	G 3/8	19	59	26	9					Standard	1625KA IW17 SPN
Female Thread	G 1/2	24	62	26	12					Standard	1625KA IW21 SPN

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

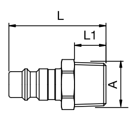
Couplings — RECTUS Series 1625KA



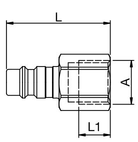
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	80	26	25					Standard	1625KA TF06 SPN
8 mm	19	80	26	25					Standard	1625KA TF08 SPN
9 mm	19	80	26	25					Standard	1625KA TF09 SPN
10 mm	19	80	26	25					Standard	1625KA TF10 SPN
13 mm	19	80	26	25					Standard	1625KA TF13 SPN

Plugs — RECTUS Series 25SF



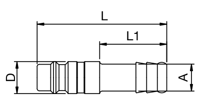
Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/8	13	33		9					Standard	25SF AK10 SXZ
R 1/4	14	37		12					Standard	25SF AK13 SXZ
R 3/8	17	37		12					Standard	25SF AK17 SXZ
R 1/2	22	43		17					Standard	25SF AK21 SXZ
G 1/8	14	30		7					Standard	25SF IW10 SXZ
G 1/4	17	38,5		9					Standard	25SF IW13 SXZ
G 3/8	19	39,5		9					Standard	25SF IW17 SXZ
G 1/2	24	44		12					Standard	25SF IW21 SXZ

Plugs — RECTUS Series 25SF



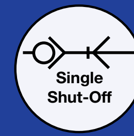
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		48	12	25					Standard	25SF TF06 SXZ
8 mm		48	12	25					Standard	25SF TF08 SXZ
9 mm		48	12	25					Standard	25SF TF09 SXZ
10 mm		48	12	25					Standard	25SF TF10 SXZ
13 mm		48	15	25					Standard	25SF TF13 SXZ

33KA

Nominal Diameter

50 mm² = 8



Technical Description
Steel industrial coupling with high flow performance due to UltraFlo technology. Interchangeable with Atlas Copco profile. Specially suited to use with gaseous media in industry.

Advantages
Single handed operation. Extremely high flow performance from optimum valve design.

Interchangeability
Atlas Copco QIC 10

Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

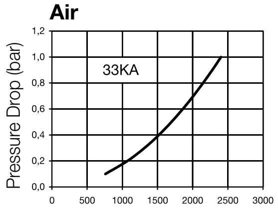
Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

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

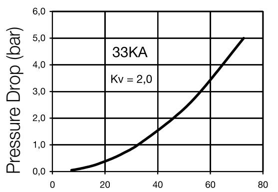
actual size

Chart

Air

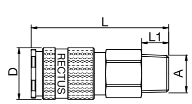


Water

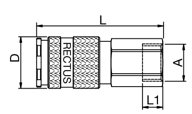


Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel, Zink Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Brass
Inner Sleeve	Brass
Spring Plate	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Zinc-Plated

Couplings — RECTUS Series 33KA



Male Thread

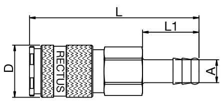


Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 1/4	19	60	23	12					Standard	33KA AK13 SPN
Male Thread	R 3/8	19	59	23	12					Standard	33KA AK17 SPN
Male Thread	R 1/2	22	60	23	17					Standard	33KA AK21 SPN
Female Thread	G 1/4	19	55	23	10					Standard	33KA IW13 SPN
Female Thread	G 3/8	19	54	23	9					Standard	33KA IW17 SPN
Female Thread	G 1/2	24	57	23	12					Standard	33KA IW21 SPN

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

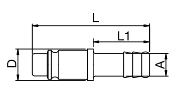
Couplings — RECTUS Series 33KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	73	23	25					Standard	33KA TF06 SPN
8 mm	19	73	23	25					Standard	33KA TF08 SPN
10 mm	19	73	23	25					Standard	33KA TF10 SPN
13 mm	19	73	23	25					Standard	33KA TF13 SPN

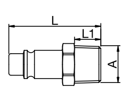
Plugs — RECTUS Series 33KA



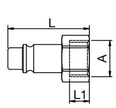
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		52	14	25					Standard	33SF TF06 SXN
8 mm		52	14	25					Standard	33SF TF08 SXN
10 mm		52	15	25					Standard	33SF TF10 SXN
13 mm		52	15	25					Standard	33SF TF13 SXN

Plugs — RECTUS Series 33KA



Male Thread



Female Thread

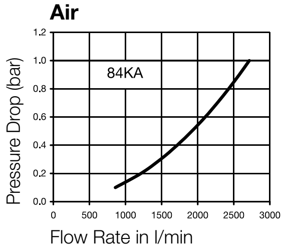
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/8	14	40		9					Standard	33SF AK10 SXN
R 1/4	14	42		12					Standard	33SF AK13 SXN
R 3/8	17	42		12					Standard	33SF AK17 SXN
R 1/2	22	47		17					Standard	33SF AK21 SXN
G 1/8	14	34		7					Standard	33SF IW10 SXN
G 1/4	17	37		9					Standard	33SF IW13 SXN
G 3/8	17	37		9					Standard	33SF IW17 SXN
G 1/2	24	42		12					Standard	33SF IW21 SXN

Technical Description
Extremely high flow values from UltraFlo technology. Optimum plug design due to greater insert depth and 6-way ball locking.

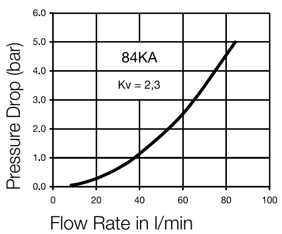
Dust Caps (P. 331)
for coupling	Part.-No. SK27S
for plug	Part.-No. SK12S

Chart

Air



Water



Advantages
Single handed operation.
Optimum plug locking.
Limited pressure loss.
High flow valve.

Interchangeability
ISO 6150 C

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

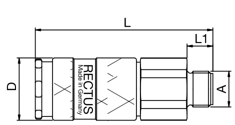
Working Temperature*
-20°C up to +100°C (NBR) depending on the medium.

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

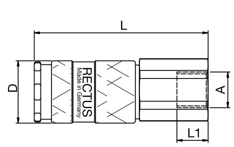
Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Brass
Inner Sleeve	Brass
Spring Plate	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Nickel Plated

80% of actual size

Couplings — RECTUS Series 84KA



Male Thread

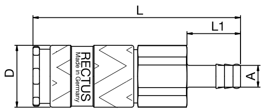


Female Thread

Type	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/4	27	83	29	12					Standard	84KA AW13 SPN
Male Thread	G 3/8	27	83	29	12					Standard	84KA AW17 SPN
Male Thread	G 1/2	27	83	29	15					Standard	84KA AW21 SPN
Female Thread	G 3/8	27	81	29	14					Standard	84KA IW17 SPN

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

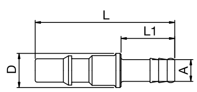
Couplings — RECTUS Series 84KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
8 mm	27	97	29	25					Standard	84KA TF08 SPN
9 mm	27	97	29	25					Standard	84KA TF09 SPN
10 mm	27	97	29	25					Standard	84KA TF10 SPN
13 mm	27	97	29	25					Standard	84KA TF13 SPN
16 mm	27	97	29	25					Standard	84KA TF16 SPN

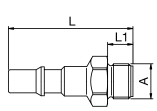
Plugs — RECTUS Series 84KA



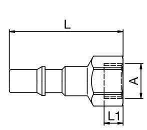
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
8 mm		65	16	25					Standard	84SF TF08 SXN
9 mm		65	16	25					Standard	84SF TF09 SXN
10 mm		65	16	25					Standard	84SF TF10 SXN
13 mm		65	16	25					Standard	84SF TF13 SXN
16 mm		65	16	25					Standard	84SF TF16 SXN

Plugs — RECTUS Series 84KA



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	17	57		12					Standard	84SF AW13 SXN
G 3/8	21	59		12					Standard	84SF AW17 SXN
G 1/2	21	64		15					Standard	84SF AW21 SXN
G 1/4	17	53		9					Standard	84SF IW13 SXN
G 3/8	19	54		9					Standard	84SF IW17 SXN

93KF

Nominal Diameter

52 mm² = 8,1

Straight-Through

Technical Description

Modular coupling and plug without an integrated locking system for installation in multi-coupling systems (Series 08). Special coupling body with PTFE coating giving greater robustness, lower coupling forces, and resistance to liquid media.

Interchangeability

RECTUS Design

Working Pressure

PB = 15 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*

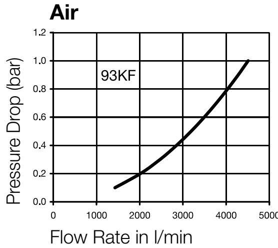
-15°C up to +100°C (NBR)
-30°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM*)
0°C up to +316°C (FFKM*)
depending on the medium.

*At a temperature below -15°C and above +200°C special seals are available on request.

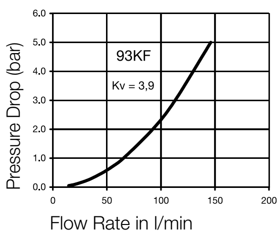
75% of actual size

Chart

Air



Water

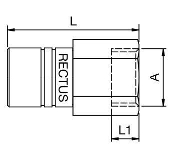


Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel Hardened and PTFE coated
Valve	Brass
Spring and Locking Ring	AISI 301
Seals	FKM
Plug	
Plug Profile	Steel Hardened and PTFE coated
Back Body	Brass, Nickel Plated
Valve	Brass
Spring and Locking Ring	AISI 301
Seal	FKM

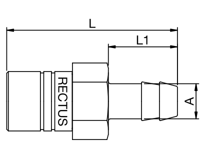
You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Dry-Break P. 174

Couplings — RECTUS Series 93KF



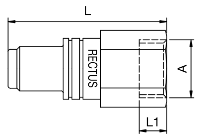
Female Thread



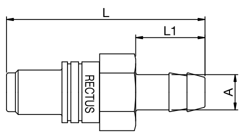
Hose Barb

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Female Thread	G 1/2	24	48		10,1					Standard	93KF IW21 SVN
Hose Barb	13 mm	24	62		17					Standard	93KF TF13 SVN

Valved Plugs — RECTUS Series 93KF



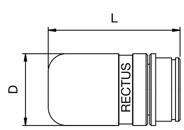
Female Thread



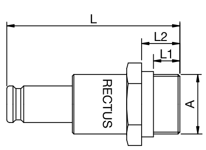
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	24	57,5		10,1					Standard	93SF IW21 SXN
13 mm	24	68,5		25					Standard	93SF TF13 SXN

Locking Coupling and Bolt — RECTUS Series 93KF



Locking Couplings



Locking Bolts

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
		45								94KX
	24	58		13						94SX

08KF

Nominal Diameter

52 mm² = 8,1

Straight-Through

Technical Description
Multi-coupling system as plate or individual components for connecting hose combinations. Special coupling body with PTFE coating giving greater robustness, lower coupling forces, and resistance to liquid media. The standard version consists of a floating plate fitted with 8 quick connect couplings, 2 handles and 2 locking couplings as well as a fixed plate fitted with 8 plugs and 2 locking bolts. The layout is asymmetrical to avoid mixing up the circulation systems.

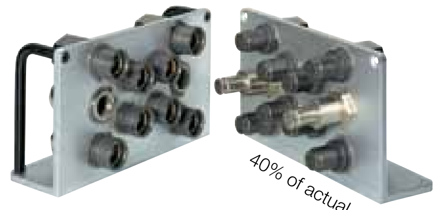
Advantages
The safety locking system prevents unintentional dis-connection.

Interchangeability
RECTUS Design

Working Pressure
PB = 15 bar, maximum static working pressure with safety factor of 4 to 1.

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°C (FFKM)

*At a temperature below -15°C and above +200°C special seals are available on request.

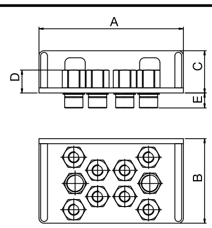


Material	**Standard**
Coupling	
Plate with 2 Handles	Aluminium, elox.
8 Multi Couplings	
Back Body	Brass, Nickel Plated
Valve Body	Steel Hardened, DNC-PTFE-coated
Inner Parts	Brass
Springs	AISI 301
Seals	FKM
Locking Rings	AISI 301
2 Locking Couplings	Steel Hardened, Nickel Plated
Plug	
Plate	Aluminium, elox.
8 Multi-Plugs	
Back Body	Brass, Nickel Plated
Plug	Steel Hardened, DNC-PTFE-coated
Inner Parts	Brass
Springs	AISI 301
Seals	FKM
Locking Rings	AISI 301
2 Locking Bolts	Steel Hardened, Nickel Plated

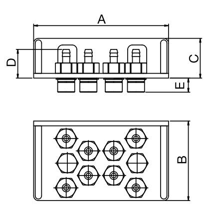
You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Dry-Break P. 176

Couplings — RECTUS Series 08KF



Female Thread

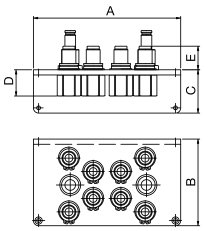


Hose Barb

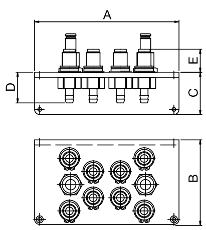
	Connection A	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	L mm	Version	Part Number
Female Thread	G 1/2	170	100	50	30	18					Standard	08KF IW21 SVN
Hose Barb	13 mm	170	100	50	44	18					Standard	08KF TF13 SVN

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

Plugs — RECTUS Series 08KF



Female Thread



Hose Barb

	Connection A	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	L mm	Version	Part Number
Female Thread	G 1/2	170	100	50	30	27					Standard	08SF IW21 SXN
Hose Barb	13 mm	170	100	50	44	27					Standard	08SF TF13 SXN

45KF

Nominal Diameter

60 mm² = 8,5

Straight-Through

Technical Description
Brass coupling without valve. Application area for pressures up to 150 bar. Especially suitable for applications with non-aggressive liquids.

Advantages
Anti-corrosive. High flow. Minimum pressure drop.

Working Pressure
PB = 150 bar, maximum static working pressure with safety factor of 4 to 1.

Interchangeability
PARKER
HANSEN

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

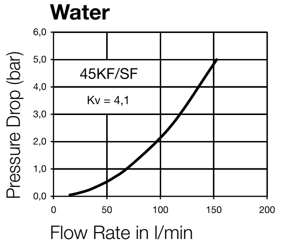
* At a temperature below -20°C and above +100°C special seals are available on request.

actual size

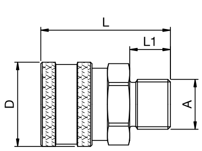
Material	Standard
Coupling	
Back Body	Brass
Sleeve	Brass
Spring and Locking Rings	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Nickel Plated

Chart

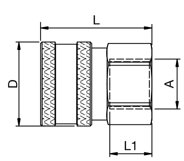
Water



Couplings — RECTUS Series 45KF



Male Thread

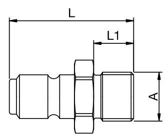
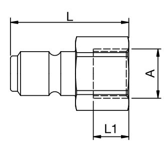


Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/4	24	43	28	13,5					Standard	45KF AW13 MPX
Male Thread	G 3/8	24	43	28	13,5					Standard	45KF AW17 MPX
Female Thread	G 1/4	24	37	28	13,5					Standard	45KF IW13 MPX
Female Thread	G 3/8	24	37	28	14					Standard	45KF IW17 MPX

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

Plugs | RECTUS Series 45KF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	G 1/4	19	42		13,5					Standard	45SF AW13 SXN
	G 3/8	22	42		13,5					Standard	45SF AW17 SXN
 Female Thread	G 1/4	19	40		14					Standard	45SF IW13 SXN
	G 3/8	22	40		14					Standard	45SF IW17 SXN

30KA

Nominal Diameter

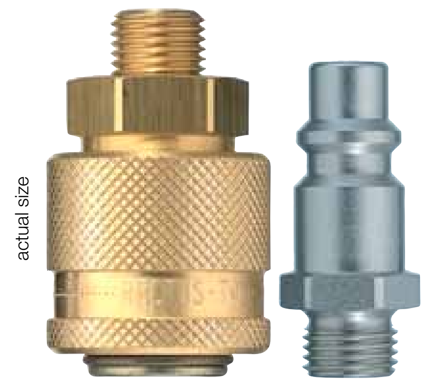
60 mm² = **8,5**

Single Shut-Off

Technical Description
3/8” US steel coupling system conforming to US Mil. Spec 4109. Robust design, steel valve bodies. Optimum plug design due to greater insert depth.

Advantages
Steel valve body for robust applications.

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



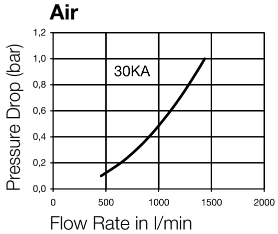
Interchangeability
Industrial. Interchange 3/8”
US-MIL-SPEC-C-4109
ISO 6150 B
GROMELLE 900
ARO
HANSEN 4000
PARKER 30 3/8“

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

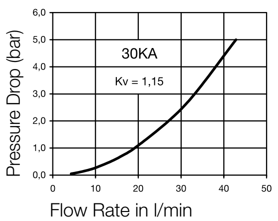
*At a temperature below -20°C and above +100°C special seals are available on request.

Chart

Air



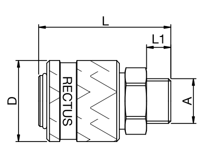
Water



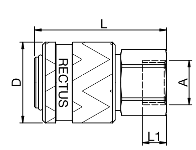
Material	**Standard**	**Nickel Plated**
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Steel, Zinc Chromatized	Steel, Zinc Chromatized
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Pins	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Steel Hardened, Nickel Plated	

Couplings — RECTUS Series 30KA

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/4	22	49	30	9					Standard	30KA AW13 SPX
										Nickel Plated	30KA AW13 SPN
	G 3/8	22	49	30	9					Standard	30KA AW17 SPX
										Nickel Plated	30KA AW17 SPN
	G 1/2	22	52	30	12					Standard	30KA AW21 SPX
										Nickel Plated	30KA AW21 SPN
Female Thread	G 1/4	22	49	30	11					Standard	30KA IW13 SPX
										Nickel Plated	30KA IW13 SPN
	G 3/8	22	49	30	9					Standard	30KA IW17 SPX
										Nickel Plated	30KA IW17 SPN
	G 1/2	22	52	30	12					Standard	30KA IW21 SPX
										Nickel Plated	30KA IW21 SPN



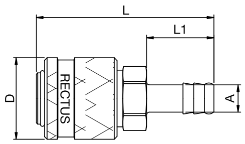
Male Thread



Female Thread

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

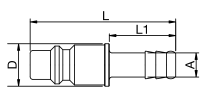
Couplings — RECTUS Series 30KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	66	30	25					Standard	30KA TF06 SPX
									Nickel Plated	30KA TF06 SPN
8 mm	21	66	30	25					Standard	30KA TF08 SPX
									Nickel Plated	30KA TF08 SPN
10 mm	21	66	30	25					Standard	30KA TF10 SPX
									Nickel Plated	30KA TF10 SPN
13 mm	21	66	30	25					Standard	30KA TF13 SPX
									Nickel Plated	30KA TF13 SPN

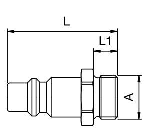
Plugs — RECTUS Series 30KA



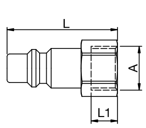
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		55	16	25					Standard	30SF TF06 SXN
8 mm		55	16	25					Standard	30SF TF08 SXN
10 mm		55	16	25					Standard	30SF TF10 SXN
13 mm		55	16	25					Standard	30SF TF13 SXN

Plugs — RECTUS Series 30KA



Male Thread



Female Thread

Type	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/4	17	42		9					Standard	30SF AW13 SXN
Male Thread	G 3/8	19	42		9					Standard	30SF AW17 SXN
Male Thread	G 1/2	24	46		12					Standard	30SF AW21 SXN
Female Thread	G 1/4	17	40		10					Standard	30SF IW13 SXN
Female Thread	G 3/8	19	42		10					Standard	30SF IW17 SXN
Female Thread	G 1/2	24	43		12					Standard	30SF IW21 SXN

40KA

Nominal Diameter

63 mm² = **9**

Single Shut-Off

Technical Description
Brass coupling system produced for raw applications. Ergonomic sleeve design prevents dirt on the valve body. The system is suitable for use with non-aggressive liquid media.

Advantages
Single handed operation.
Anti-corrosive.

Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

Interchangeability
ARO 310
ORION 44520
ORION 44530

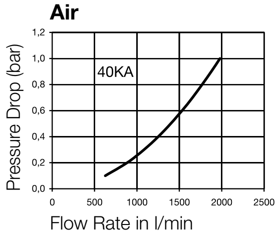
Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium

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

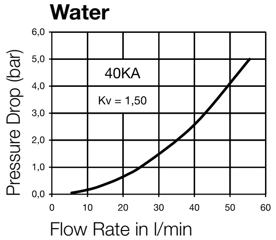
90% of actual size

Chart

Air



Water

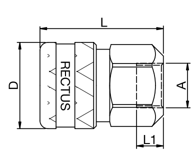


Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Pins	AISI 420	AISI 420
Seals	NBR	NBR

Plug

Plug	Steel Hardened, Nickel Plated

Couplings — RECTUS Series 40KA

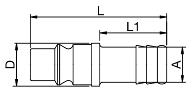


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	27	46	32	10					Standard	40KA IW17 MPX
									Nickel Plated	40KA IW17 MPN
G 1/2	27	46	32	11					Standard	40KA IW21 MPX
									Nickel Plated	40KA IW21 MPN

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

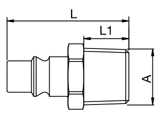
Plugs — RECTUS Series 40KA



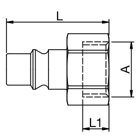
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		51	16	25					Standard	40SF TF06 SXN
8 mm		51	16	25					Standard	40SF TF08 SXN
10 mm		51	16	25					Standard	40SF TF10 SXN
13 mm		51	16	25					Standard	40SF TF13 SXN
19 mm		51	21	25					Standard	40SF TF19 SXN

Plugs — RECTUS Series 40KA



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 3/8	16	40		12					Standard	40SF AK17 SXN
R 1/2	16	46		17					Standard	40SF AK21 SXN
R 3/4	16	51		19					Standard	40SF AK26 SXN
G 3/8	19	35		9					Standard	40SF IW17 SXN
G 1/2	24	39		12					Standard	40SF IW21 SXN

27KA

80 mm² = **10**

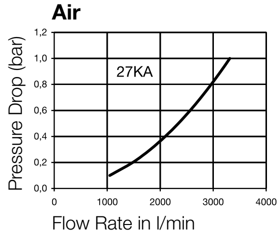
Single Shut-Off

Technical Description
1/2" European industrial profile with UltraFlo technology. High flow performance. Notable for robust design with steel sleeve in use with large pneumatic consumers. Also available in brass.

Dust Caps (P. 331)
for coupling Part.-No. SK27S
for plug Part.-No. SK16S

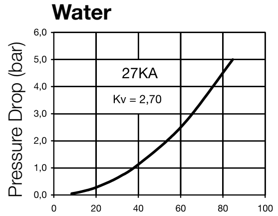
Chart

Air



Flow Rate in l/min

Water



Flow Rate in l/min

Advantages
Single handed operation. Low pressure drop. No damage to the valve body from binding design. High flow valve.

Interchangeability
RECTUS 41
RECTUS 1700
RECTUS 1727
TEMA 1700
CEJN 410

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

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°C (FFKM*)
depending on the medium.

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

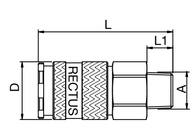
90% of actual size

Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Brass
Inner Sleeve	Brass
Spring Plate	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Nickel Plated

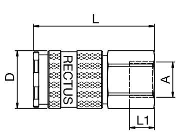
You will find the following alternative versions in our current catalogue on page:

- Brass/Steel Double Shut-off P. 145
- Stainless Steel P. 196
- Safety Self-Venting P. 292

Couplings — RECTUS Series 27KA



Male Thread

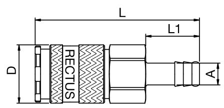


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	24	63	27	12					Standard	27KA AK13 MPN
R 3/8	24	63	27	12					Standard	27KA AK17 MPN
R 1/2	24	65	27	17					Standard	27KA AK21 MPN
R 3/4	27	65	27	17					Standard	27KA AK26 MPN
G 1/4	24	56	27	10					Standard	27KA IW13 MPN
G 3/8	24	56	27	11					Standard	27KA IW17 MPN
G 1/2	24	56	27	12					Standard	27KA IW21 MPN
G 3/4	27	60	27	16					Standard	27KA IW26 MPN

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

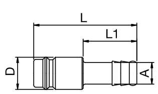
Couplings — RECTUS Series 27KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	24	76	27	25					Standard	27KA TF06 MPN
8 mm	24	76	27	25					Standard	27KA TF08 MPN
9 mm	24	76	27	25					Standard	27KA TF09 MPN
10 mm	24	76	27	25					Standard	27KA TF10 MPN
13 mm	24	76	27	25					Standard	27KA TF13 MPN
16 mm	24	76	27	20					Standard	27KA TF16 MPN
19 mm	24	76	27	25					Standard	27KA TF19 MPN

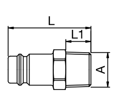
Plugs — RECTUS Series 27KA



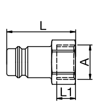
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		48	15	25					Standard	27SF TF06 SXN
8 mm		48	15	25					Standard	27SF TF08 SXN
9 mm		48	15	25					Standard	27SF TF09 SXN
10 mm		48	15	25					Standard	27SF TF10 SXN
13 mm		48	15	25					Standard	27SF TF13 SXN
16 mm		48	18	25					Standard	27SF TF16 SXN
19 mm		49	21	25					Standard	27SF TF19 SXN

Plugs — RECTUS Series 27KA



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	17	40		12					Standard	27SF AK13 SXN
R 3/8	17	40		12					Standard	27SF AK17 SXN
R 1/2	22	45		17					Standard	27SF AK21 SXN
R 3/4	27	48		19					Standard	27SF AK26 SXN
G 1/4	17	33		9					Standard	27SF IW13 SXN
G 3/8	19	33		12					Standard	27SF IW17 SXN
G 1/2	24	37		12					Standard	27SF IW21 SXN
G 3/4	32	42		16					Standard	27SF IW26 SXN

1700KA

80 mm² = 10

Technical Description
Premium industrial coupling in nominal diameter 10 with high grade valve technology and unprecedented flow values and minimum coupling forces. Especially suited to compressed air applications with above average air consumption.

Dust Caps (P. 331)
for coupling Part.-No. SK27S
for plug Part.-No. SK16S

Advantages
Single handed operation. High flow valve. Minimum coupling forces.

Interchangeability
RECTUS 27
RECTUS 1727
TEMA 1700
CEJN 410

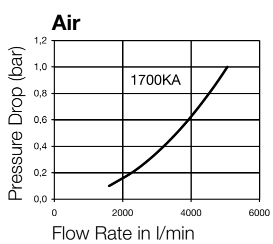
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

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

80% of actual size

Chart



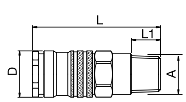
Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel, QPQ treated
Sleeve	Brass, Nickel Plated
Valve	Brass
Spring	AISI 301
Locking Ring and Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Zinc-Plated

You will find the following alternative versions in our current catalogue on page:

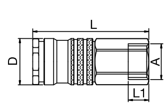
- ▶ Brass/Steel Double Shut-off P. 148
- ▶ Stainless Steel P. 196
- ▶ Safety Self-Venting P. 292

Couplings — RECTUS Series 1700KA

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 3/8	24	70	27	12					Standard	1700KA AK17 SPN
	R 1/2	24	75	27	17					Standard	1700KA AK21 SPN
	R 3/4	27	64	27	17					Standard	1700KA AK26 SPN
Female Thread	G 3/8	24	64,5	27	10					Standard	1700KA IW17 SPN
	G 1/2	24	68	27	11					Standard	1700KA IW21 SPN
	G 3/4	32	69	27	14					Standard	1700KA IW26 SPN



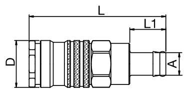
Male Thread



Female Thread

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

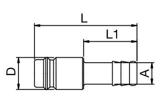
Couplings — RECTUS Series 1700KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
10 mm	24	80	27	21					Standard	1700KA TF10 SPN
13 mm	24	80	27	21					Standard	1700KA TF13 SPN
16 mm	24	80	27	21					Standard	1700KA TF16 SPN

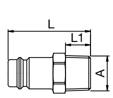
Plugs — RECTUS Series 27SF



Hose Barb

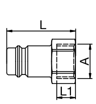
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		48	15	25					Standard	27SF TF06 SXN
8 mm		48	15	25					Standard	27SF TF08 SXN
9 mm		48	15	25					Standard	27SF TF09 SXN
10 mm		48	15	25					Standard	27SF TF10 SXN
13 mm		48	15	25					Standard	27SF TF13 SXN
16 mm		48	18	25					Standard	27SF TF16 SXN
19 mm		49	21	25					Standard	27SF TF19 SXN

Plugs — RECTUS Series 27SF



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	17	40		12					Standard	27SF AK13 SXN
R 3/8	17	40		12					Standard	27SF AK17 SXN
R 1/2	22	45		17					Standard	27SF AK21 SXN
R 3/4	27	48		19					Standard	27SF AK26 SXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	17	33		9					Standard	27SF IW13 SXN
G 3/8	19	33		12					Standard	27SF IW17 SXN
G 1/2	24	37		12					Standard	27SF IW21 SXN
G 3/4	32	42		16					Standard	27SF IW26 SXN

1727KA

Nominal Diameter

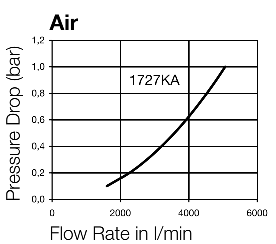
80 mm² = **10**

Single Shut-Off

Technical Description
Premium industrial coupling in nominal diameter 10 with high grade, resistant 2-component thermoplastic sleeve. Valve technology with unpreceden-ted flow values and minimum coupling forces. Especially suited to compressed air appli-cations with above average air consumption.

Dust Caps (P. 331)
for coupling Part.-No. SK27S
for plug Part.-No. SK16S

Chart



Advantages
Single handed operation. High flow valve. Minimum coupling forces. Ergonomic thermo-plastic sleeve.

Interchangeability
RECTUS 27
RECTUS 1700
TEMA 1700
CEJN 410

Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

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

*At a temperature below -20°C and above +40°C special seals are available on request.

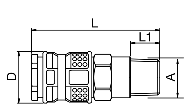
Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel, QPQ treated
Sleeve	PA6 + TPE
Valve	Brass
Spring	AISI 301
Locking Ring and Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened and Zinc-Plated

80% of actual size

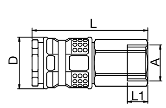
You will find the following alternative versions in our current catalogue on page:

- Brass/Steel Double Shut-off P. 145
- Stainless Steel P. 196
- Safety Self-Venting P. 292

Couplings — RECTUS Series 1727KA



Male Thread

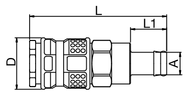


Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 3/8	24	70	30	12					Standard	1727KA AK17 SPN
Male Thread	R 1/2	24	75	30	17					Standard	1727KA AK21 SPN
Male Thread	R 3/4	27	64	30	17					Standard	1727KA AK26 SPN
Female Thread	G 3/8	24	64,5	30	10					Standard	1727KA IW17 SPN
Female Thread	G 1/2	24	68	30	12					Standard	1727KA IW21 SPN
Female Thread	G 3/4	32	69	30	14					Standard	1727KA IW26 SPN

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

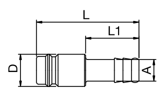
Couplings RECTUS Series 1727KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
10 mm	24	80	30	21					Standard	1727KA TF10 SPN
13 mm	24	80	30	21					Standard	1727KA TF13 SPN
16 mm	24	80	30	21					Standard	1727KA TF16 SPN

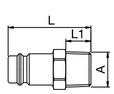
Plugs RECTUS Series 27SF



Hose Barb

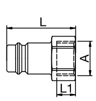
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		48	15	25					Standard	27SF TF06 SXN
8 mm		48	15	25					Standard	27SF TF08 SXN
9 mm		48	15	25					Standard	27SF TF09 SXN
10 mm		48	15	25					Standard	27SF TF10 SXN
13 mm		48	15	25					Standard	27SF TF13 SXN
16 mm		48	18	25					Standard	27SF TF16 SXN
19 mm		49	21	25					Standard	27SF TF19 SXN

Plugs RECTUS Series 27SF



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	17	40		12					Standard	27SF AK13 SXN
R 3/8	17	40		12					Standard	27SF AK17 SXN
R 1/2	22	45		17					Standard	27SF AK21 SXN
R 3/4	27	48		19					Standard	27SF AK26 SXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	17	33		9					Standard	27SF IW13 SXN
G 3/8	19	33		12					Standard	27SF IW17 SXN
G 1/2	24	37		12					Standard	27SF IW21 SXN
G 3/4	32	42		16					Standard	27SF IW26 SXN

32KA

Nominal Diameter

80 mm² = **10**

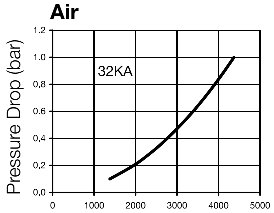
Single Shut-Off

Technical Description
Industrial coupling with UltraFlo technology demonstrates high flow performance. Used widely in the Scandinavian market. Especially suitable for use with liquid and gaseous media in the industrial area.

Dust Caps (P. 331)
for coupling Part.-No. SK27S
for plug Part.-No. SK16S

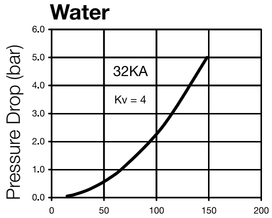
Chart

Air



Flow Rate in l/min

Water



Flow Rate in l/min

Advantages
Single handed operation. Extremely high flow performance.

Interchangeability
TEMA 1800 (Single Shut-Off)
CEJN 408

Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

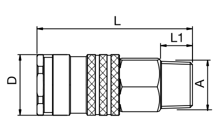
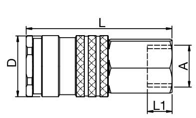
Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

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

85% of actual size

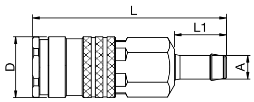
Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Brass, Nickel Plated
Valve	Brass
Inner Sleeve	Brass
Spring Plate	Brass
Spring and Locking Ring	AISI 301
Pins	AISI 420 C
Seals	NBR
Plug	
Plug	Steel Hardened, Zinc Chromatized

Couplings — RECTUS Series 32KA

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	R 1/2	23	69	27	13					Standard	32KA AK21 MPN
 Female Thread	G 3/8	23	65	27	10					Standard	32KA IW17 MPN
	G 1/2	25	65	27	7					Standard	32KA IW21 MPN

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

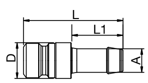
Couplings — RECTUS Series 32KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
10 mm	24	82	27	23					Standard	32KA TF10 MPN
13 mm	24	82	27	24					Standard	32KA TF13 MPN
16 mm	24	82	27	24					Standard	32KA TF16 MPN
19 mm	24	82	27	24					Standard	32KA TF19 MPN

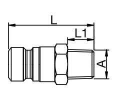
Plugs — RECTUS Series 32KA



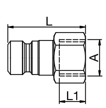
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		44	16	23					Standard	32SF TF06 SXZ
8 mm		44	16	23					Standard	32SF TF08 SXZ
10 mm		44	16	23					Standard	32SF TF10 SXZ
13 mm		44	16	24					Standard	32SF TF13 SXZ
16 mm		44	18	24					Standard	32SF TF16 SXZ
19 mm		44	21	24					Standard	32SF TF19 SXZ

Plugs — RECTUS Series 32KA



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	16	39		12					Standard	32SF AK13 SXZ
R 3/8	17	38		12					Standard	32SF AK17 SXZ
R 1/2	22	40		14					Standard	32SF AK21 SXZ
R 3/4	27	43		16					Standard	32SF AK26 SXZ
G 1/4	16	36		10					Standard	32SF IW13 SXZ
G 3/8	20	36		10					Standard	32SF IW17 SXZ
G 1/2	25	39		12					Standard	32SF IW21 SXZ

34KA

Nominal Diameter

80 mm² = **10**

Single Shut-Off

Technical Description
Industrial profile with UltraFlo technology. Interchangeable with Atlas Copco profiles. High flow performance. The robust design and steel sleeve make it optimal for use with large pneumatic consumers.

Dust Caps (P. 331)
for coupling Part.-No. SK27S

Advantages
Single handed operation. Low pressure drop. No damage to the valve body from binding design.

Interchangeability
Atlas Copco QIC 15

Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

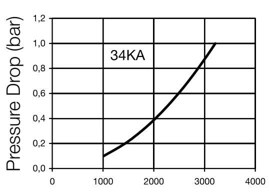
Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

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

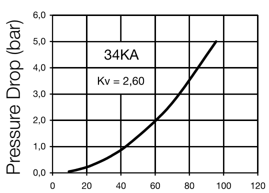
85% of actual size

Chart

Air

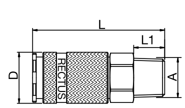


Water

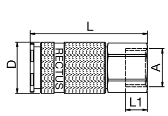


Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Brass
Inner Sleeve	Brass
Spring Plate	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Nickel Plated

Couplings — RECTUS Series 34KA



Male Thread

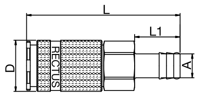


Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 1/2	24	70	28	12					Standard	34KA AK13 SPN
	R 3/8	24	70	28	12					Standard	34KA AK17 SPN
	R 1/2	24	72	28	12					Standard	34KA AK21 SPN
	R 3/4	27	72	28	12					Standard	34KA AK26 SPN
Female Thread	G 1/4	24	64	28	9					Standard	34KA IW13 SPN
	G 3/8	24	64	28	12					Standard	34KA IW17 SPN
	G 1/2	24	64	28	12					Standard	34KA IW21 SPN

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

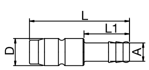
Couplings — RECTUS Series 34KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	24	84	28	25					Standard	34KA TF06 SPN
8 mm	24	84	28	25					Standard	34KA TF08 SPN
10 mm	24	84	28	25					Standard	34KA TF10 SPN
13 mm	24	84	28	25					Standard	34KA TF13 SPN
16 mm	24	84	28	25					Standard	34KA TF16 SPN
19 mm	24	84	28	25					Standard	34KA TF19 SPN

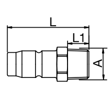
Plugs — RECTUS Series 34KA



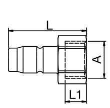
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		55	15	25					Standard	34SF TF06 SXN
10 mm		55	15	25					Standard	34SF TF10 SXN
13 mm		55	15	25					Standard	34SF TF13 SXN
16 mm		55	18	25					Standard	34SF TF16 SXN

Plugs — RECTUS Series 34KA



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	17	46		12					Standard	34SF AK13 SXN
R 3/8	19	46		12					Standard	34SF AK17 SXN
R 1/2	22	52		17					Standard	34SF AK21 SXN
G 3/8	19	40		9					Standard	34SF IW17 SXN
G 1/2	24	44		12					Standard	34SF IW21 SXN

41KF

80 mm² = **10**

Technical Description
Brass coupling without valve. Application area for pressures up to 35 bar. Especially suitable for applications with non-aggressive liquids.

Advantages
Anti-corrosive. High flow. Minimum pressure drop.

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

Interchangeability
RECTUS 27
CEJN 417

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

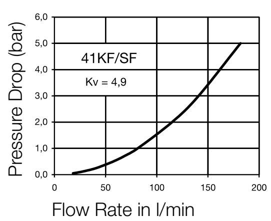
*At a temperature below -20°C and above +100°C special seals are available on request.

85% of actual size

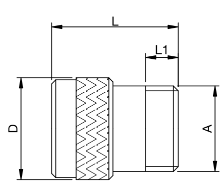
Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Sleeve	Brass, Nickel Plated
Spring and Locking Ring	AISI 301
Locking balls	AISI 420
Seals	NBR
Plug	
Plug	Brass, Nickel Plated

Chart

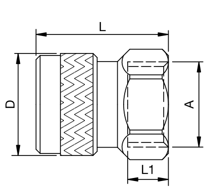
Water



Couplings — RECTUS Series 41KF



Male Thread

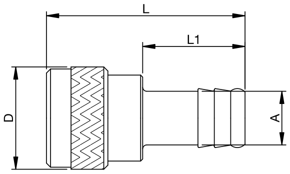


Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/2		31	25	8					Standard	41KF AW21 MPN
Male Thread	G 3/4		32,5	25	9					Standard	41KF AW26 MPN
Female Thread	G 1/2	24	32,5	25	10					Standard	41KF IW21 MPN
Female Thread	G 3/4	30	32,5	25	10					Standard	41KF IW26 MPN
Female Thread	M 22 x 1	24	32,5	25	10					Standard	41KF IM22 MPN

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

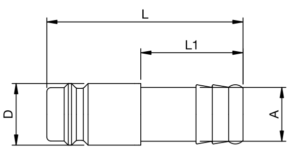
Couplings RECTUS Series 41KF



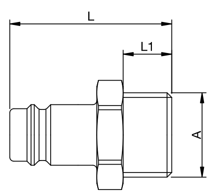
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
10 mm		48,5	25	25					Standard	41KF TF10 MPN
13 mm		48,5	25	25					Standard	41KF TF13 MPN
16 mm		48,5	25	25					Standard	41KF TF16 MPN
19 mm		48,5	25	25					Standard	41KF TF19 MPN

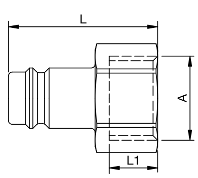
Plugs RECTUS Series 41KF



Hose Barb



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
8 mm		48	15	25					Standard	41SF TF08 MXN
10 mm		48	15	25					Standard	41SF TF10 MXN
13 mm		48	15	25					Standard	41SF TF13 MXN
16 mm		48	18	25					Standard	41SF TF16 MXN
19 mm		48	21	25					Standard	41SF TF19 MXN
G 1/2	24	40		12					Standard	41SF AW21 MXN
G 3/4	32	45		16					Standard	41SF AW26 MXN
G 1/2	24	37		12					Standard	41SF IW21 MXN
G 3/4	32	42		16					Standard	41SF IW26 MXN
M 22 x 1	24	36		12					Standard	41SF IM22 MXN

42KF

95 mm² = 11

Technical Description
Brass coupling without valve. Application area for pressures up to 35 bar. Especially suitable for applications with non-aggressive liquids. Chrome plated standard design.

Advantages
Anti-corrosive. High flow. Minimum pressure drop.

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

80% of actual size

Interchangeability
ABA

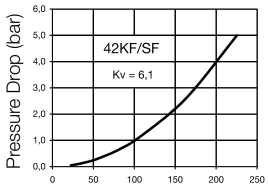
Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

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

Material	**Standard**
Coupling	
Back Body	Brass, Chrome Plated
Sleeve	Brass, Chrome Plated
Spring and Locking Ring	AISI 301
Locking Pins	AISI 304
Seals	NBR
Plug	
Plug	Brass, Chrome Plated

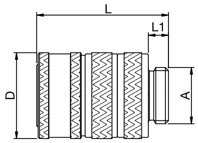
Chart

Water

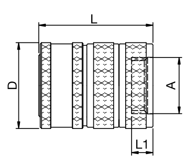


Couplings — RECTUS Series 42KF

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/2		49	32	7,5					Standard	42KF AW21 MPC
	G 3/4		49	32	7,5					Standard	42KF AW26 MPC
Female Thread	G 1/2		34	32	8					Standard	42KF IW21 MPC
	G 3/4		34	32	8					Standard	42KF IW26 MPC



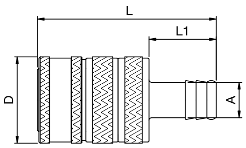
Male Thread



Female Thread

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

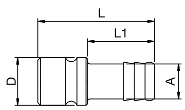
Couplings — RECTUS Series 42KF



Hose Barb

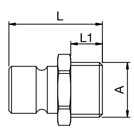
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
9 mm		55	32	25					Standard	42KF TF09 MPC
13 mm		55	32	25					Standard	42KF TF13 MPC
19 mm		55	32	25					Standard	42KF TF19 MPC

Plugs — RECTUS Series 42KF



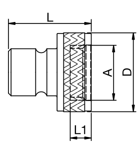
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
9 mm		48	15	25					Standard	42SF TF09 MXC
13 mm		48	15	25					Standard	42SF TF13 MXC
19 mm		48	15	25					Standard	42SF TF19 MXC



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	24	35,5		12					Standard	42SF AW21 MXC
G 3/4	32	42,5		16					Standard	42SF AW26 MXC



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2		31,5	30	8					Standard	42SF IW21 MXC
G 3/4		31,5	30	8					Standard	42SF IW26 MXC

37KA

Nominal Diameter

95 mm² = **11**

Single Shut-Off

Technical Description
1/2” Coupling-System according to US-MIL-Spec. C-4109 made of brass. Plug design optimised through greater insert depth.

Advantages
Single handed operation.
Tough construction.

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

Interchangeability
Industrial Interchange 1/2”
US-MIL-Spec. C-4109 1/2”
ISO 6150-B-17
GROMELLE 1300
HANSEN 5000

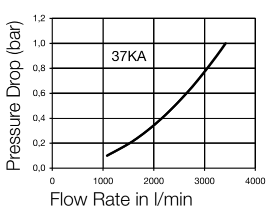
Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

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

70% of actual size

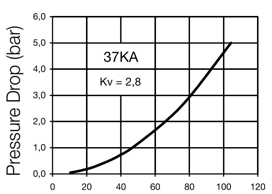
Chart

Air



Flow Rate in l/min

Water



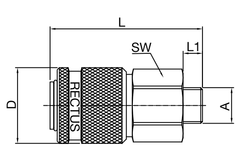
Flow Rate in l/min

Material	**Standard**	**Nickel Plated**
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Pins	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Steel Hardened, Nickel Plated	

You will find the following alternative versions in our current catalogue on page:

▶ Safety Self-Venting P. 294

Couplings — RECTUS Series 37KA

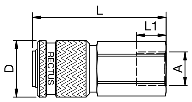


Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	30	70,5	35	9					Standard	37KA AW17 MPX
									Nickel Plated	37KA AW17 MPN
1/2 NPT	30	79	35	17					Standard	37KA AN21 MPX
									Nickel Plated	37KA AN21 MPN
G 1/2	30	76,5	35	12					Standard	37KA AW21 MPX
									Nickel Plated	37KA AW21 MPN
3/4 NPT	30	81	35	19					Standard	37KA AN26 MPX
									Nickel Plated	37KA AN26 MPN
G 3/4	30	77,5	35	13					Standard	37KA AW26 MPX
									Nickel Plated	37KA AW26 MPN

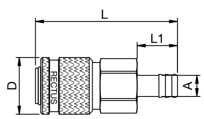
⚠ Please consider our security advices on the pages 12/13 ⚠

Couplings — RECTUS Series 37KA



Female Thread

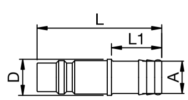
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3/8 NPSF	30	76	35	14					Standard	37KA IN17 MPX
									Nickel Plated	37KA IN17 MPN
1/2 NPSF	30	83	35	23					Standard	37KA IN21 MPX
									Nickel Plated	37KA IN21 MPN
3/4 NPSF	32	84	35	24					Standard	37KA IN26 MPX
									Nickel Plated	37KA IN26 MPN



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
10 mm	30	86	35	25					Standard	37KA TF10 MPX
									Nickel Plated	37KA TF10 MPN
13 mm	30	86	35	25					Standard	37KA TF13 MPX
									Nickel Plated	37KA TF13 MPN
16 mm	30	86	35	25					Standard	37KA TF16 MPX
									Nickel Plated	37KA TF16 MPN
19 mm	30	86	35	25					Standard	37KA TF19 MPX
									Nickel Plated	37KA TF19 MPN

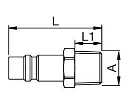
Plugs — RECTUS Series 37KA



Hose Barb

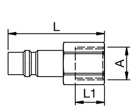
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
10 mm		62	17	25					Nickel Plated	37SF TF10 SXN
13 mm		62	17	25					Nickel Plated	37SF TF13 SXN
16 mm		62	18	25					Nickel Plated	37SF TF16 SXN
19 mm		72	21	35					Nickel Plated	37SF TF19 SXN

Plugs — RECTUS Series 37KA



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 3/8	17	53		12					Nickel Plated	37SF AK17 SXN
R 1/2	22	60		17					Nickel Plated	37SF AK21 SXN
R 3/4	27	61		19					Nickel Plated	37SF AK26 SXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 3/8	19	56		19					Nickel Plated	37SF IN17 SXN
G 1/2	24	50		10					Nickel Plated	37SF IW21 SXN
G 3/4	32	57		14					Nickel Plated	37SF IW26 SXN

57KB

115 mm² = 12

Single Shut-Off

Technical Description
German industrial profile with UltraFlo technology. Optimum structure with respect to size and performance. Robust coupling in compressed air applications, especially for oscillating forces due to steel sleeve and steel valve bodies.

Advantages
Single handed operation. Low pressure drop. UltraFlo technology. No damage to the valve body from binding design. High flow valve.

Interchangeability
WALTHER LP012

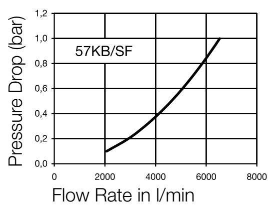
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

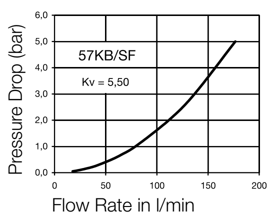
*At a temperature below -20°C and above +100°C special seals are available on request.

Chart

Air



Water

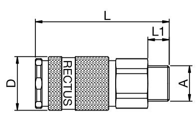


Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel Hardened, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Brass, Nickel Plated
Spring Plate	Brass, Nickel Plated
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Nickel Plated

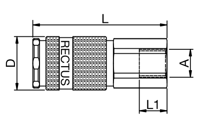
You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Double Shut-off P. 152

Couplings — RECTUS Series 57KB



Male Thread

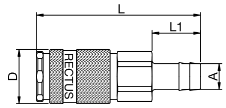


Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/2	34	98	40	12					Standard	57KB AW21 SPN
Male Thread	G 3/4	34	100	40	16					Standard	57KB AW26 SPN
Male Thread	G 1	41	100	40	19					Standard	57KB AW33 SPN
Female Thread	G 1/2	34	100	40	19					Standard	57KB IW21 SPN
Female Thread	G 3/4	34	100	40	16					Standard	57KB IW26 SPN
Female Thread	G 1	41	101	40	20					Standard	57KB IW33 SPN

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

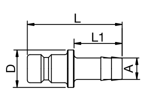
Couplings — RECTUS Series 57KB



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
16 mm	34	122	40	36					Standard	57KB TF16 SPN
19 mm	34	122	40	36					Standard	57KB TF19 SPN

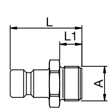
Plugs — RECTUS Series 57SF



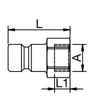
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
13 mm		63	28	28					Standard	57SF TF13 SXN
16 mm		71	28	36					Standard	57SF TF16 SXN
19 mm		71	28	36					Standard	57SF TF19 SXN

Plugs — RECTUS Series 57SF



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	27	49		12					Standard	57SF AW17 SXN
G 1/2	27	52		15					Standard	57SF AW21 SXN
G 3/4	32	55		17					Standard	57SF AW26 SXN
G 1	41	60		20					Standard	57SF AW33 SXN
G 1/2	27	48		15					Standard	57SF IW21 SXN
G 3/4	32	54		20					Standard	57SF IW26 SXN

29KA

Nominal Diameter

130 mm² = **13**

Single Shut-Off

Technical Description
Extremely robust steel coupling system with UltraFlo technology. Especially suitable in building or mining. Compact design prevents extreme dirtying on the sleeve and plug profile.

Advantages
Single handed operation. Low pressure drop. High flow valve.

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

Interchangeability
RECTUS Design

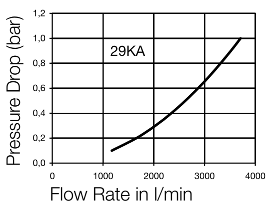
Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

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

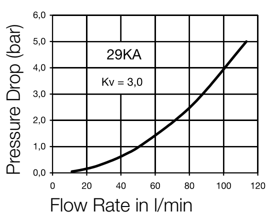
65% of actual size

Chart

Air



Water

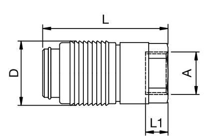


Material

Coupling	Standard
Back Body	Steel, Zinc Plated
Sleeve	Steel Hardened, Zinc Plated
Valve	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR

Plug	
Plug	Steel Hardened, Zinc Plated

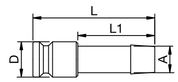
Couplings — RECTUS Series 29KA



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	32	78	40	13					Standard	29KA IW21 SPZ
G 3/4	32	78	40	16					Standard	29KA IW26 SPZ

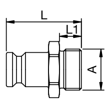
Plugs — RECTUS Series 29KA



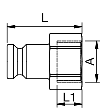
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
13 mm		76	22	49					Standard	29SF TF13 SPZ
19 mm	34	122	40	36					Standard	29SF TF19 SPZ

Plugs — RECTUS Series 29KA



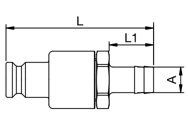
Male Thread



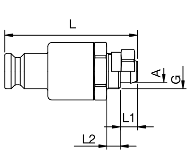
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	24	48		13					Standard	29SF AW21 SPZ
G 3/4	32	48		14					Standard	29SF AW26 SPZ
G 1/2	27	44		12					Standard	29SF IW21 SPZ
G 3/4	32	48		16					Standard	29SF IW26 SPZ

Recoil Eliminator — RECTUS Series 29KA



Hose Barb



Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
13 mm	32	93		28					Standard	29SR TF13 SPZ
19 mm	32	101		36					Standard	29SR TF19 SPZ
13 x 16 mm	32	83		11	8	24		M 22 x 1	Standard	29SR KO16 SPZ

38KB

175 mm² = **15**

Technical Description
Brass industrial profile with UltraFlo technology. Compact dimensions with high performance characteristics. Coupling can be used with numerous gaseous and liquid media.

Advantages
Compact construction. Extremely high flow performance due to the Rectus UltraFlo valve.

Interchangeability
HANSEN 6000

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

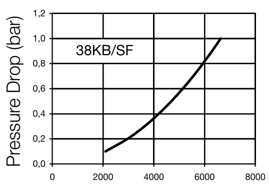
Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

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

60% of actual size

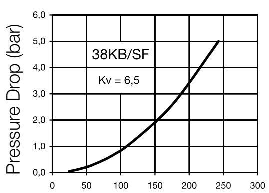
Chart

Air



Flow Rate in l/min

Water



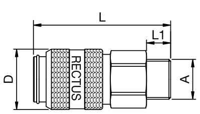
Flow Rate in l/min

Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Inner Sleeve	Brass	Brass
Spring Plate	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Brass	Brass, Nickel Plated

You will find the following alternative versions in our current catalogue on page:

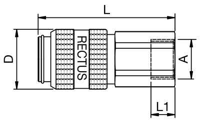
▶ Brass/Steel Double Shut-off P. 156

Couplings — RECTUS Series 38 KB



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	34	89	40	12					Standard	38KB AW21 MPX
									Nickel Plated	38KB AW21 MPN
G 3/4	34	91	40	16					Standard	38KB AW26 MPX
									Nickel Plated	38KB AW26 MPN
G 1	41	91	40	19					Standard	38KB AW33 MPX
									Nickel Plated	38KB AW33 MPN

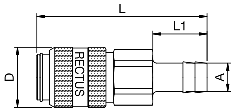


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	34	95	40	20					Standard	38KB IW21 MPX
									Nickel Plated	38KB IW21 MPN
G 3/4	34	91	40	14					Standard	38KB IW26 MPX
									Nickel Plated	38KB IW26 MPN
G 1	41	92	40	20					Standard	38KB IW33 MPX
									Nickel Plated	38KB IW33 MPN

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

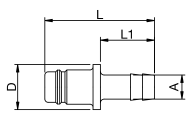
Couplings RECTUS Series 38KB



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
13 mm	34	105	40	28					Standard	38KB TF13 MPX
									Nickel Plated	38KB TF13 MPN
16 mm	34	113	40	36					Standard	38KB TF16 MPX
									Nickel Plated	38KB TF16 MPN
19 mm	34	113	40	36					Standard	38KB TF19 MPX
									Nickel Plated	38KB TF19 MPN
25 mm	34	109	40	36					Standard	38KB TF25 MPX
									Nickel Plated	38KB TF25 MPN

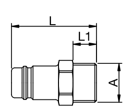
Plugs RECTUS Series 38SF



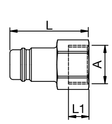
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
13 mm		65	30	28					Standard	38SF TF13 MXX
									Nickel Plated	38SF TF13 MXN
16 mm		73	30	36					Standard	38SF TF16 MXX
									Nickel Plated	38SF TF16 MXN
19 mm		73	30	36					Standard	38SF TF19 MXX
									Nickel Plated	38SF TF19 MXN
25 mm		76	30	36					Standard	38SF TF25 MXX
									Nickel Plated	38SF TF25 MXN

Plugs RECTUS Series 38SF



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	24	54		12					Standard	38SF AW21 MXX
									Nickel Plated	38SF AW21 MXN
G 3/4	27	58		16					Standard	38SF AW26 MXX
									Nickel Plated	38SF AW26 MXN
G 1	36	63		19					Standard	38SF AW33 MXX
									Nickel Plated	38SF AW33 MXN
G 1/2	24	49		12					Standard	38SF IW21 MXX
									Nickel Plated	38SF IW21 MXN
G 3/4	30	54		18					Standard	38SF IW26 MXX
									Nickel Plated	38SF IW26 MXN
G 1	41	61		24					Standard	38SF IW33 MXX
									Nickel Plated	38SF IW33 MXN

39KB

Nominal Diameter

300 mm² = 19

Single Shut-Off

Technical Description
Brass industrial profile with UltraFlo technology. Compact dimensions with high performance characteristics. Coupling can be used with numerous gaseous and liquid media.

Advantages
Compact construction. Extremely high flow performance due to the Rectus UltraFlo valve.

Interchangeability
HANSEN 7000

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

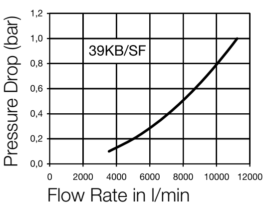
Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

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

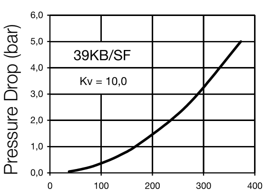
50% of actual size

Chart

Air



Water

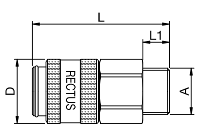


Material	Standard	Nickel Plated
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Inner Sleeve	Brass	Brass
Spring Plate	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug	Brass	Brass, Nickel Plated

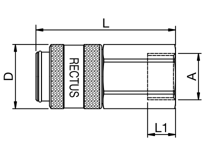
You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Double Shut-off P. 158
▶ Brass/Steel Dry-Break P. 180

Couplings — RECTUS Series 39KB



Male Thread

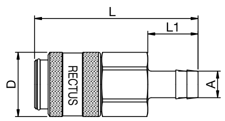


Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 3/4	41	95	46	16					Standard	39KB AW26 MPX
										Nickel Plated	39KB AW26 MPN
	G 1	41	98	46	19					Standard	39KB AW33 MPX
										Nickel Plated	39KB AW33 MPN
	G 1 1/4	46	98	46	19					Standard	39KB AW42 MPX
										Nickel Plated	39KB AW42 MPN
Female Thread	G 3/4	41	99	46	20					Standard	39KB IW26 MPX
										Nickel Plated	39KB IW26 MPN
	G 1	41	100	46	22					Standard	39KB IW33 MPX
										Nickel Plated	39KB IW33 MPN
	G 1 1/4	50	105	46	22					Standard	39KB IW42 MPX
										Nickel Plated	39KB IW42 MPN

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

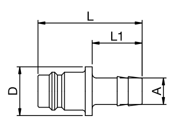
Couplings — RECTUS Series 39KB



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
19 mm	41	115	46	36					Standard	39KB TF19 MPX
									Nickel Plated	39KB TF19 MPN
25 mm	41	125	46	48					Standard	39KB TF25 MPX
									Nickel Plated	39KB TF25 MPN

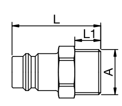
Plugs — RECTUS Series 39SF



Hose Barb

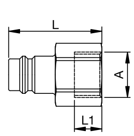
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
19 mm		75	35	36					Standard	39SF TF19 MXX
									Nickel Plated	39SF TF19 MXN
25 mm		87	35	48					Standard	39SF TF25 MXX
									Nickel Plated	39SF TF25 MXN

Plugs — RECTUS Series 39SF



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/4	30	60		16					Standard	39SF AW26 MXX
									Nickel Plated	39SF AW26 MXN
G 1	34	65		19					Standard	39SF AW33 MXX
									Nickel Plated	39SF AW33 MXN
G 1 1/4	46	68		19					Standard	39SF AW42 MXX
									Nickel Plated	39SF AW42 MXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/4	32	58		16					Standard	39SF IW26 MXX
									Nickel Plated	39SF IW26 MXN
G 1	41	68		24					Standard	39SF IW33 MXX
									Nickel Plated	39SF IW33 MXN
G 1 1/4	50	70		26					Standard	39SF IW42 MXX
									Nickel Plated	39SF IW42 MXN

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

Life is already hard enough.

The design of RectusTema series 1600KA and 1625KA allows operation of the coupling systems with very little exertion. The innovative high-flow valve also ensures optimum flow.

Double Shut-Off

Nominal Diameter

2,7 = 5 mm²

RECTUS Series

20KB

You will find the following alternative versions in our current catalogue on page:

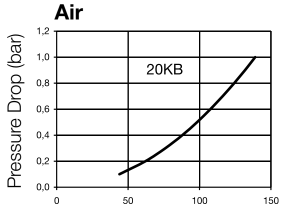
- Brass/Steel Single Shut-off P. 26
- Stainless Steel P. 200

Technical Description

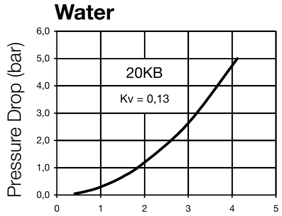
Mini industrial coupling, internationally used profile. Notable for a high flow and numerous application options with various media. Frequent use in medical technology and chemistry/pharmacy.

Chart

Air



Water



Advantages

Single handed operation.
Small dimensions.
Minimal pressure drop.

Working Pressure

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

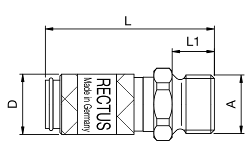
Working Temperature*

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

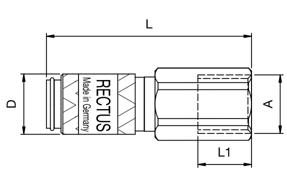
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
(Sleeve made of Aluminium, elox. on request)		
Plug		
Plug Profile	Brass	Brass, Nickel Plated
Back Body	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring	AISI 301	AISI 301
Seal	NBR	NBR

Couplings — RECTUS Series 20KB



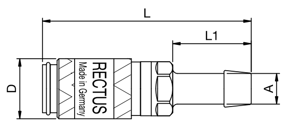
Male Thread



Female Thread

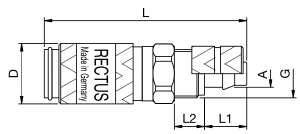
Type	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	M5	9	26	10	5					Standard	20KB AM05 MPX
										Nickel Plated	20KB AM05 MPN
	G 1/8	11	28	10	7					Standard	20KB AW10 MPX
										Nickel Plated	20KB AW10 MPN
Female Thread	M5	9	26	10	5					Standard	20KB IM05 MPX
										Nickel Plated	20KB IM05 MPN
	G 1/8	12	28	10	7					Standard	20KB IW10 MPX
										Nickel Plated	20KB IW10 MPN

Couplings — RECTUS Series 20KB



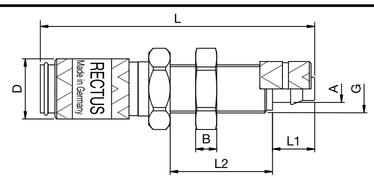
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm		35	10	13					Standard	20KB TF03 MPX
									Nickel Plated	20KBTF03MPN
4 mm		35	10	13					Standard	20KB TF04 MPX
									Nickel Plated	20KB TF04 MPN
5 mm		34	10	13					Standard	20KB TF05 MPX
									Nickel Plated	20KB TF05 MPN



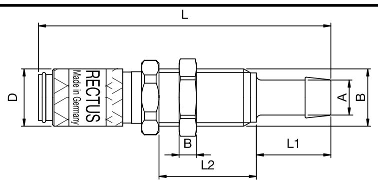
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	9	34	10	7	5				Standard	20KB KO04 MPX
									Nickel Plated	20KB KO04 MPN
3 x 5 mm	9	34	10	7	5				Standard	20KB KO05 MPX
									Nickel Plated	20KB KO05 MPN
4 x 6 mm	9	34	10	7	5				Standard	20KB KO06 MPX
									Nickel Plated	20KB KO06 MPN



Panel Mount,
Plastic Hose Connection

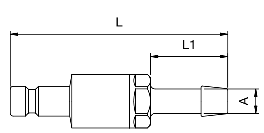
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	12	45	10	7	17	11	3	M 7 x 0,5	Standard	20KB KS04 MPX
									Nickel Plated	20KB KS04 MPN
3 x 5 mm	12	45	10	7	17	11	3	M 7 x 0,5	Standard	20KB KS05 MPX
									Nickel Plated	20KB KS05 MPN
4 x 6 mm	12	45	10	7	17	12	3,5	M 8 x 0,5	Standard	20KB KS06 MPX
									Nickel Plated	20KB KS06 MPN



Panel Mount,
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm	12	51	10	13	17	11	3	M 7 x 0,5	Standard	20KB TS03 MPX
									Nickel Plated	20KB TS03 MPN
4 mm	12	51	10	13	17	11	3	M 7 x 0,5	Standard	20KB TS04 MPX
									Nickel Plated	20KB TS04 MPN

Valved Plugs — RECTUS Series 20KB

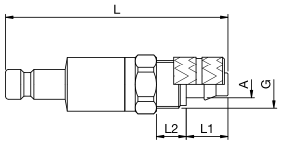


Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm	8	36		13					Standard	20SB TF03 MPX
									Nickel Plated	20SB TF03 MPN
4 mm	8	36		13					Standard	20SB TF04 MPX
									Nickel Plated	20SB TF04 MPN
5 mm	8	36		13					Standard	20SB TF05 MPX
									Nickel Plated	20SB TF05 MPN

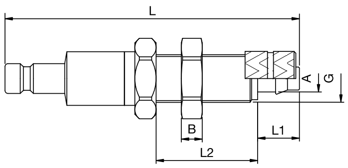
⚠ Please consider our security advices on the pages 12/13 ⚠

Valved Plugs — RECTUS Series 20KB



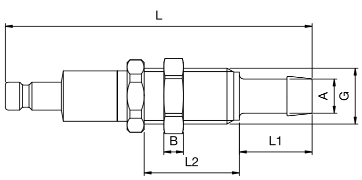
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	9	30,5		7	5			M 7 x 0,5	Standard	20SB KO04 MPX
									Nickel Plated	20SB KO04 MPN
3 x 5 mm	9	30,5		7	5			M 7 x 0,5	Standard	20SB KO05 MPX
									Nickel Plated	20SB KO05 MPN
4 x 6 mm	9	30,5		7	5			M 8 x 0,5	Standard	20SB KO06 MPX
									Nickel Plated	20SB KO06 MPN



Panel Mount,
Plastic Hose Connection

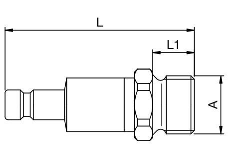
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	12	46,5		7	17	11	3	M 7 x 0,5	Standard	20SB KS04 MPX
									Nickel Plated	20SB KS04 MPN
3 x 5 mm	12	46,5		7	17	11	3	M 7 x 0,5	Standard	20SB KS05 MPX
									Nickel Plated	20SB KS05 MPN
4 x 6 mm	12	46,5		7	17	12	3,5	M 8 x 0,5	Standard	20SB KS06 MPX
									Nickel Plated	20SB KS06 MPN



Panel Mount,
Hose Barb

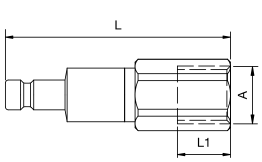
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm	12	52,5		13	17	11	3	M 7 x 0,5	Standard	20SB TS03 MPX
									Nickel Plated	20SB TS03 MPN
4 mm	12	52,5		13	17	11	3	M 7 x 0,5	Standard	20SB TS04 MPX
									Nickel Plated	20SB TS04 MPN
6 mm	12	46,5		13	17	12	3	M 10 x 1	Standard	20SB TS06 MPX
									Nickel Plated	20SB TS06 MPN

Valved Plugs — RECTUS Series 20KB



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 5	9	28		5					Standard	20SB AM05 MPX
									Nickel Plated	20SB AM05 MPN
G 1/8	11	30		7					Standard	20SB AW10 MPX
									Nickel Plated	20SB AW10 MPN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 5	9	26		5					Standard	20SB IM05 MPX
									Nickel Plated	20SB IM05 MPN
G 1/8	12	30		7					Standard	20SB IW10 MPX
									Nickel Plated	20SB IW10 MPN

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

Double Shut-Off

Nominal Diameter

4,3 = 15 mm²

RECTUS Series

71KB

actual size

Technical Description
The 71KB series plug profile conforms to ISO Standard 7241-1 series B and is compatible with other makes of the same standard.

Advantages
This is a coupling to be operated with two hands, i.e. the unlocking sleeve must be pushed back manually when coupling.

Working Pressure
PB = 250 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-20°C up to +100°C (NBR)
-15°C up to +200°C (FKM)
depending on the medium.

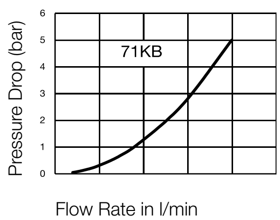
*At a temperature below -20°C and above +200°C special seals are available on request.

You will find the following alternative versions in our current catalogue on page:

- ▶ Steinless Steel P. 216
- ▶ Thermoplastic P. 256

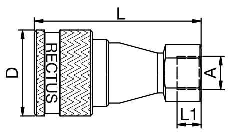
Chart

Water



Material	Brass Version
Coupling	
Coupling Body	Brass
Sleeve	Brass
Valve	Brass
Springs	AISI 301
Locking Balls	AISI 420 C
Seals	NBR
Valve Holder	AISI 301
Plug	
Plug Body	Brass
Valve	Brass
Springs	AISI 301
Seals	NBR
Valve Holder	AISI 301

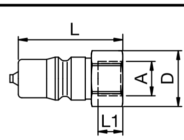
Couplings — RECTUS Series 71KB



Female Thread

Connection A	Hex SW	L mm	L1 mm	D mm	Working press. connected	Version	Seal	Part Number
G 1/8	14	48,5	7	25	250 bar	Brass	NBR	71KB IW10 MPX

Plugs — RECTUS Series 71KB



Female Thread

Connection A	Hex SW	L mm	L1 mm	D mm	Working press. connected	Version	Seal	Part Number
G 1/8	14	29,5	7	25	250 bar	Brass	NBR	71SB IW10 MPX

21KB

Nominal Diameter

20 mm² = 5

Double Shut-Off

Technical Description

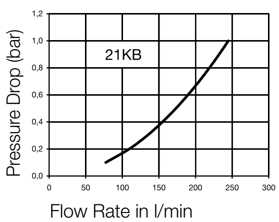
Mini industrial coupling, internationally the most common profile for this nominal diameter, in double shut-off design. Above average flow performance for liquid and gaseous media. Large band width in materials and valve variants.

Dust Caps (P. 331)

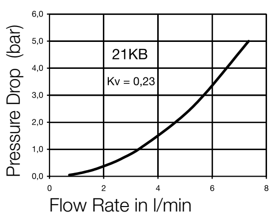
for coupling Part.-No. SK16S

Chart

Air



Water



Advantages

Single handed operation. Small dimensions. Reliable design.

Working Pressure

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

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°C (FFKM)
depending on the medium.

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

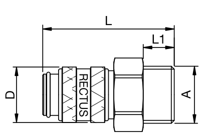
actual size

Materials	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Plug		
Plug Profile	Brass	Brass, Nickel Plated
Back Body	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring	AISI 301	AISI 301
Seal	NBR	NBR

You will find the following alternative versions in our current catalogue on page:

- ▶ Brass/Steel Single Shut-off P. 34
- ▶ Brass/Steel Dry-Break P. 164
- ▶ Stainless Steel P. 205
- ▶ Thermoplastics P. 242
- ▶ Safety P. 276
- ▶ Coded Systems P. 300

Couplings — RECTUS Series 21KB

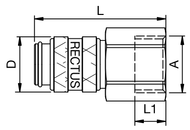


Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	7					Standard	21KB AW10 MPX
									Nickel Plated	21KB AW10 MPN
G 1/4	17	38	16	9					Standard	21KB AW13 MPX
									Nickel Plated	21KB AW13 MPN
G 3/8	19	38	16	9					Standard	21KB AW17 MPX
									Nickel Plated	21KB AW17 MPN
M 10 x 1	14	37	16	8					Standard	21KB AD10 MPX
									Nickel Plated	21KB AD10 MPN
M 12 x 1,5	17	39	16	10					Standard	21KB AD12 MPX
									Nickel Plated	21KB AD12 MPN
M 14 x 1,5	17	39	16	10					Standard	21KB AD14 MPX
									Nickel Plated	21KB AD14 MPN

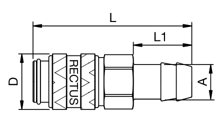
⚠ Please consider our security advices on the pages 12/13 ⚠

Couplings — RECTUS Series 21KB



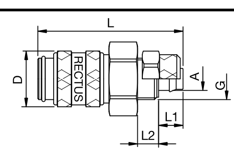
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	9					Standard	21KB IW10 MPX
									Nickel Plated	21KB IW10 MPN
G 1/4	17	38	16	9					Standard	21KB IW13 MPX
									Nickel Plated	21KB IW13 MPN
G 3/8	19	38	16	9					Standard	21KB IW17 MPX
									Nickel Plated	21KB IW17 MPN
M 12 x 1,5	17	38	16	6					Standard	21KB IM12 MPX
									Nickel Plated	21KB IM12 MPN
M 14 x 1,5	17	38	16	6					Standard	21KB IM14 MPX
									Nickel Plated	21KB IM14 MPN



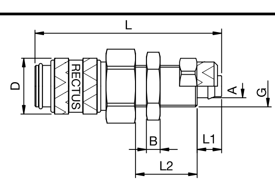
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	46	16	17					Standard	21KB TF04 MPX
									Nickel Plated	21KB TF04 MPN
5 mm	14	46	16	17					Standard	21KB TF05 MPX
									Nickel Plated	21KB TF05 MPN
6 mm	14	46	16	17					Standard	21KB TF06 MPX
									Nickel Plated	21KB TF06 MPN
8 mm	14	46	16	17					Standard	21KB TF08 MPX
									Nickel Plated	21KB TF08 MPN
9 mm	14	46	16	17					Standard	21KB TF09 MPX
									Nickel Plated	21KB TF09 MPN
10 mm	14	46	16	17					Standard	21KB TF10 MPX
									Nickel Plated	21KB TF10 MPN
6 mm Parker	14	46	16	17					Standard	21KB TP06 MPX
									Nickel Plated	21KB TP06 MPN



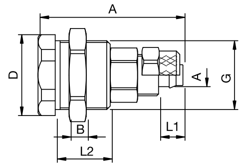
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	42	16	7	6			M 10 x 1	Standard	21KB KO06 MPX
									Nickel Plated	21KB KO06 MPN
6 x 8 mm	14	42	16	7	6			M 12 x 1	Standard	21KB KO08 MPX
									Nickel Plated	21KB KO08 MPN



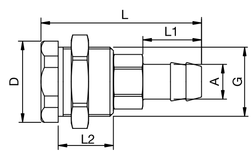
Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	54	16	7	18	14	4	M 10 x 1	Standard	21KB KS06 MPX
									Nickel Plated	21KB KS06 MPN
6 x 8 mm	17	54	16	7	18	17	4	M 12 x 1	Standard	21KB KS08 MPX
									Nickel Plated	21KB KS08 MPN



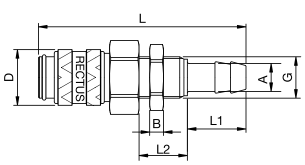
Front Panel Installation
Plastic Hose Panel Mount

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	22	42	24	7	16	24	5	M 20 x 1	Standard	21KB KE06 MPX
									Nickel Plated	21KB KE06 MPN
6 x 8 mm	22	42	24	7	16	24	5	M 20 x 1	Standard	21KB KE08 MPX
									Nickel Plated	21KB KE08 MPN



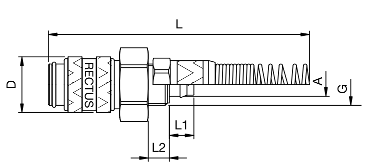
Front Panel Installation,
Hose Barb Panel Mount

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	22	46	24	17	16	24	5	M 20 x 1	Standard	21KB TE04 MPX
									Nickel Plated	21KB TE04 MPN
6 mm	22	46	24	17	16	24	5	M 20 x 1	Standard	21KB TE06 MPX
									Nickel Plated	21KB TE06 MPN
9 mm	22	46	24	17	16	24	5	M 20 x 1	Standard	21KB TE09 MPX
									Nickel Plated	21KB TE09 MPN
10 mm	22	46	24	17	16	24	5	M 20 x 1	Standard	21KB TE10 MPX
									Nickel Plated	21KB TE10 MPN



Panel Mount,
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	60	16	17	14	14	4	M 10 x 1	Standard	21KB TS04 MPX
									Nickel Plated	21KB TS04 MPN
5 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KB TS05 MPX
									Nickel Plated	21KB TS05 MPN
6 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KB TS06 MPX
									Nickel Plated	21KB TS06 MPN
8 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KB TS08 MPX
									Nickel Plated	21KB TS08 MPN
9 mm	17	60	16	17	14	19	4	M 12 x 1	Standard	21KB TS09 MPX
									Nickel Plated	21KB TS09 MPN

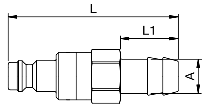


Plastic Hose Connection
with Spring Guard

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	125	16	7	6			M 10 x 1	Standard	21KB KK06 MPX
									Nickel Plated	21KB KK06 MPN
6 x 8 mm	14	130	16	7	6			M 10 x 1	Standard	21KB KK08 MPX
									Nickel Plated	21KB KK08 MPN

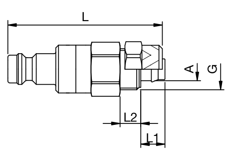
⚠ Please consider our security advices on the pages 12/13 ⚠

Valved Plugs RECTUS Series 21KB



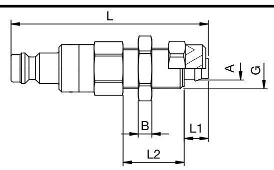
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	50		17					Standard	21SB TF04 MPX
									Nickel Plated	21SB TF04 MPN
5 mm	14	50		17					Standard	21SB TF05 MPX
									Nickel Plated	21SB TF05 MPN
6 mm	14	50		17					Standard	21SB TF06 MPX
									Nickel Plated	21SB TF06 MPN
8 mm	14	50		17					Standard	21SB TF08 MPX
									Nickel Plated	21SB TF08 MPN
9 mm	14	50		17					Standard	21SB TF09 MPX
									Nickel Plated	21SB TF09 MPN
10 mm	14	50		17					Standard	21SB TF10 MPX
									Nickel Plated	21SB TF10 MPN
6 mm Parker	14	54		20					Standard	21SB TP06 MPX
									Nickel Plated	21SB TP06 MPN



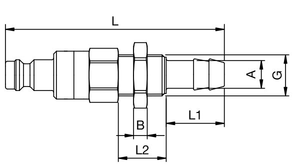
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	46		7	6			M 10 x 1	Standard	21SB KO06 MPX
									Nickel Plated	21SB KO06 MPN
6 x 8 mm	14	46		7	6			M 12 x 1	Standard	21SB KO08 MPX
									Nickel Plated	21SB KO08 MPN



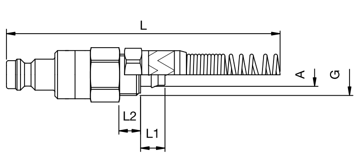
Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	58		7	18	12	3	M 10 x 1	Standard	21SB KS06 MPX
									Nickel Plated	21SB KS06 MPN
6 x 8 mm	17	58		7	18	17	4	M 12 x 1	Standard	21SB KS08 MPX
									Nickel Plated	21SB KS08 MPN



Panel Mount,
Hose Barb

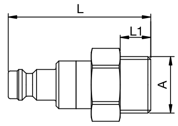
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	64		17	14	14	4	M 10 x 1	Standard	21SB TS04 MPX
									Nickel Plated	21SB TS04 MPN
6 mm	14	64		17	14	17	4	M 12 x 1	Standard	21SB TS06 MPX
									Nickel Plated	21SB TS06 MPN
8 mm	14	64		17	14	17	4	M 12 x 1	Standard	21SB TS08 MPX
									Nickel Plated	21SB TS08 MPN
10 mm	14	64		17	14	19	4	M 14 x 1	Standard	21SB TS10 MPX
									Nickel Plated	21SB TS10 MPN



Plastic Hose Connection
with Spring Guard

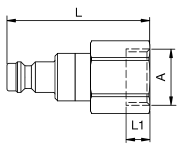
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	130		7	6			M 10 x 1	Standard	21SB KK06 MPX
									Nickel Plated	21SB KK06 MPN
6 x 8 mm	14	135		7	6			M 12 x 1	Standard	21SB KK08 MPX
									Nickel Plated	21SB KK08 MPN

Valved Plugs — RECTUS Series 21KB



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	40		7					Standard	21SB AW10 MPX
									Nickel Plated	21SB AW10 MPN
G 1/4	17	42		9					Standard	21SB AW13 MPX
									Nickel Plated	21SB AW13 MPN
G 3/8	19	42		9					Standard	21SB AW17 MPX
									Nickel Plated	21SB AW17 MPN
M 10 x 1	14	41		8					Standard	21SB AD10 MPX
									Nickel Plated	21SB AD10 MPN
M 12 x 1,5	17	43		10					Standard	21SB AD12 MPX
									Nickel Plated	21SB AD12 MPN
M 14 x 1,5	17	43		10					Standard	21SB AD14 MPX
									Nickel Plated	21SB AD14 MPN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	40		7					Standard	21SB IW10 MPX
									Nickel Plated	21SB IW10 MPN
G 1/4	17	42		7					Standard	21SB IW13 MPX
									Nickel Plated	21SB IW13 MPN
G 3/8	19	42		7					Standard	21SB IW17 MPX
									Nickel Plated	21SB IW17 MPN
M 12 x 1,5	17	42		7					Standard	21SB IM12 MPX
									Nickel Plated	21SB IM12 MPN
M 14 x 1,5	17	42		7					Standard	21SB IM14 MPX
									Nickel Plated	21SB IM14 MPN

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

Double Shut-Off

Nominal Diameter

6 = 30 mm²

RECTUS Series

51KB

actual size

Technical Description

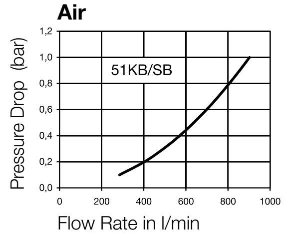
German industrial profile with UltraFlo technology. Slim design. Robust steel coupling for compressed air applications – especially for oscillating forces, due to greater insert depth of plug profile and steel sleeve.

Dust Caps (P. 331)

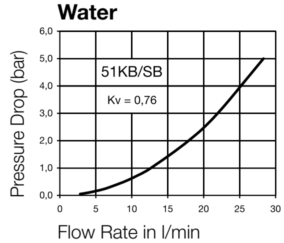
for coupling Part.-No. SK23S

Chart

Air



Water



Advantages

Single handed operation. Ergonomic design. High flow valve.

Working Pressure

PB = 50 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*

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

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

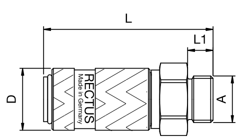
Material

	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Brass, Nickel Plated
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Spring Plate	Brass
Plug	
Plug Profile	Steel Hardened, Nickel Plated
Back Body	Brass, Nickel Plated
Valve	Brass, Nickel Plated
Spring	AISI 301
Seal	NBR
Spring Plate	Brass

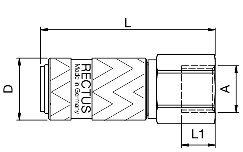
You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Single Shut-off P. 62

Couplings — RECTUS Series 51KB



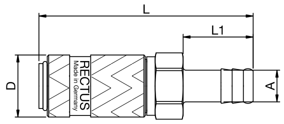
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/4	22	61	22	9					Standard	51KB AW13 SPN
Male Thread	G 3/8	22	61	22	9					Standard	51KB AW17 SPN
Male Thread	G 1/2	22	61	22	12					Standard	51KB AW21 SPN
Female Thread	G 1/4	22	61	22	12					Standard	51KB IW13 SPN
Female Thread	G 3/8	22	61	22	12					Standard	51KB IW17 SPN
Female Thread	G 1/2	22	61	22	13					Standard	51KB IW21 SPN

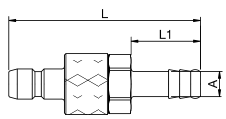
Couplings — RECTUS Series 51KB



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	78	22	25					Standard	51KB TF06 SPN
9 mm	21	78	22	25					Standard	51KB TF09 SPN
13 mm	21	78	22	25					Standard	51KB TF13 SPN

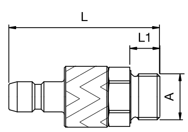
Valved Plugs — RECTUS Series 51KB



Hose Barb

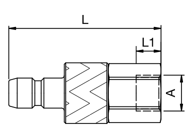
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	65,5		25					Standard	51SB TF06 SPN
9 mm	21	65,5		25					Standard	51SB TF09 SPN
13 mm	21	65,5		25					Standard	51SB TF13 SPN

Valved Plugs — RECTUS Series 51KB



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	54		8					Standard	51SB AW13 SPN
G 3/8	22	49,5		9					Standard	51SB AW17 SPN
G 1/2	22	49,5		12					Standard	51SB AW21 SPN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	22	51,5		12					Standard	51SB IW13 SPN
G 3/8	22	51,5		12					Standard	51SB IW17 SPN

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

Double Shut-Off

Nominal Diameter

6 = 30 mm²

RECTUS Series

52KB

actual size

You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Single Shut-off P. 64

Technical Description

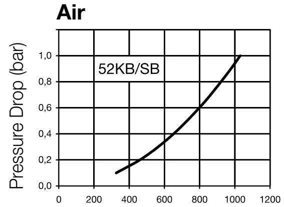
German industrial profile with UltraFlo technology. Slim design. Robust steel coupling for compressed air applications – especially for oscillating forces, due to greater insert depth of plug profile and steel sleeve.

Dust Caps (P. 331)

for coupling	Part.-No. SK23S
for plug	Part.-No. SK12S

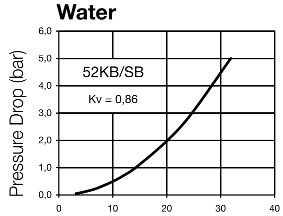
Chart

Air



Flow Rate in l/min

Water



Flow Rate in l/min

Advantages

Single handed operation. Ergonomic design. High flow valve.

Working Pressure

PB = 50 bar, maximum static working pressure with safety factor of 4 to 1.

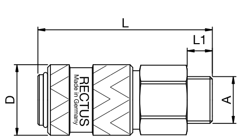
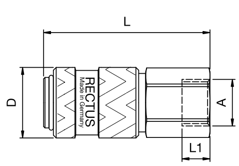
Working Temperature*

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

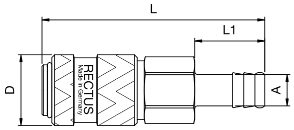
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Brass, Nickel Plated
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Inner Sleave	Brass
Spring Plate	Brass
Plug	
Plug Profile	Steel Hardened, Nickel Plated
Back Body	Brass, Nickel Plated
Valve	Brass, Nickel Plated
Spring	AISI 301
Seal	NBR

Couplings — RECTUS Series 52KB

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	G 1/4	22	62	25	9					Standard	52KB AW13 SPN
	G 3/8	22	62	25	9					Standard	52KB AW17 SPN
	G 1/2	22	65	25	12					Standard	52KB AW21 SPN
 Female Thread	G 1/4	22	62	25	10					Standard	52KB IW13 SPN
	G 3/8	22	60	25	10					Standard	52KB IW17 SPN
	G 1/2	22	65	25	13					Standard	52KB IW21 SPN

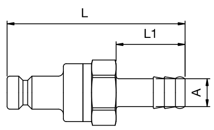
Couplings — RECTUS Series 52KB



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	79	25	25					Standard	52KB TF06 SPN
9 mm	21	80	25	25					Standard	52KB TF09 SPN
10 mm	21	80	25	25					Standard	52KB TF10 SPN
11 mm	21	80	25	25					Standard	52KB TF11 SPN
13 mm	21	79	25	25					Standard	52KB TF13 SPN

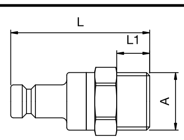
Valved Plugs — RECTUS Series 52KB



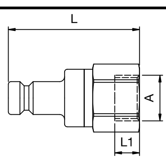
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	77,5		25					Standard	52SB TF06 SPN
8 mm	21	77,5		25					Standard	52SB TF08 SPN
9 mm	21	77,5		25					Standard	52SB TF09 SPN
10 mm	21	77,5		25					Standard	52SB TF10 SPN
	21	77,5		25					Standard	52SB TF13 SPN

Valved Plugs — RECTUS Series 52KB



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	22	48		9					Standard	52SB AW13 SPN
G 3/8	22	48		9					Standard	52SB AW17 SPN
G 1/2	22	48		12					Standard	52SB AW21 SPN
G 1/4	22	48		9					Standard	52SB IW13 SPN
G 3/8	22	48		9					Standard	52SB IW17 SPN

Double Shut-Off

Nominal Diameter

6,3 = 31 mm²

RECTUS Series

72KB

90% of actual size

You will find the following alternative versions in our current catalogue on page:

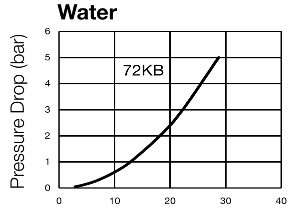
- Stainless Steel P. 217
- Thermoplastic P. 257

Technical Description

The 72KB series plug profile conforms to ISO Standard 7241-1 series B and is compatible with other makes of the same standard.

Chart

Water



Advantages

This is a coupling to be operated with two hands, i.e. the unlocking sleeve must be pushed back manually when coupling.

Working Pressure

PB = 200 bar, maximum static working pressure with safety factor of 4 to 1.

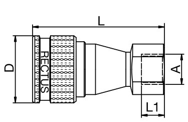
Working Temperature*

-20°C up to +100°C (NBR)
-15°C up to +200°C (FKM)
depending on the medium.

*At a temperature below -40°C and above +200°C special seals are available on request.

Material	Brass Version
Coupling	
Coupling Body	Brass
Sleeve	Brass
Valve	Brass
Springs	AISI 301
Locking Balls	AISI 420
Seals	NBR
Valve Holder	AISI 301
Plug	
Plug Body	Brass
Valve	Brass
Springs	AISI 301
Seals	NBR
Valve Holder	AISI 301

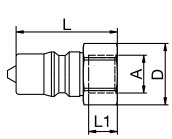
Couplings — RECTUS Series 72KB



Female Thread

Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working press. connected	Version	Seal	Part Number
G 1/4	19	57,5	10	25	with	200 bar	Brass	NBR	72KB IW13 MPX

Plugs — RECTUS Series 72KB



Female Thread

Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working press. connected	Version	Seal	Part Number
G 1/4	19	35	10		with	200 bar	Brass	NBR	72SB IW13 MPX

Double Shut-Off

Nominal Diameter

7,2 = 40 mm²

RECTUS Series

26KB

actual size

Technical Description

European standard industrial profile. Universal brass coupling. Small massive design. Ergonomic sleeve design prevents dirt on the valve body.

Advantages

Single handed operation.
European standard.

Working Pressure

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

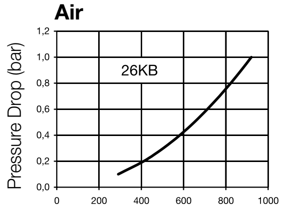
Working Temperature*

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

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

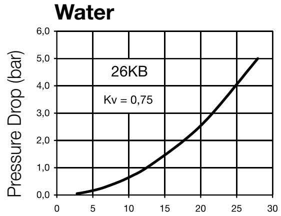
Chart

Air



Flow Rate in l/min

Water



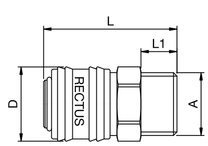
Flow Rate in l/min

Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Pins	AISI 420	AISI 420
Seals	NBR	NBR
(Sleeves made of thermoplastic on request)		
Plug		
Plug Profile	Brass	Brass, Nickel Plated
Back Body	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring	AISI 301	AISI 301
Seal	NBR	NBR

You will find the following alternative versions in our current catalogue on page:

- ▶ Brass/Steel Single Shut-off P. 66
- ▶ Stainless Steel P. 189
- ▶ Safety Self-Venting P. 288

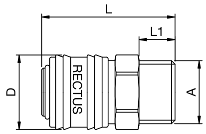
Couplings — RECTUS Series 26KB



Male Thread

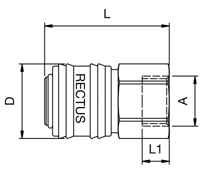
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	22	43	25	9					Standard	26KB AW10 MPX
									Nickel Plated	26KB AW10 MPN
G 1/4	22	39	25	9					Standard	26KB AW13 MPX
									Nickel Plated	26KB AW13 MPN
G 3/8	22	41	25	9					Standard	26KB AW17 MPX
									Nickel Plated	26KB AW17 MPN
G 1/2	24	42	25	10					Standard	26KB AW21 MPX
									Nickel Plated	26KB AW21 MPN

Couplings — RECTUS Series 26KB



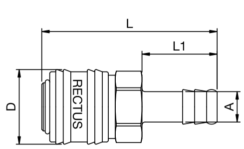
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 16 x 1,5	22	43	25	11					Standard	26KB AD16 MPX
									Nickel Plated	26KB AD16 MPN
M 18 x 1,5	22	43	25	11					Standard	26KB AD18 MPX
									Nickel Plated	26KB AD18 MPN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	22	41	25	9					Standard	26KB IW13 MPX
									Nickel Plated	26KB IW13 MPN
G 3/8	22	41	25	9					Standard	26KB IW17 MPX
									Nickel Plated	26KB IW17 MPN
G 1/2	24	44	25	10					Standard	26KB IW21 MPX
									Nickel Plated	26KB IW21 MPN
M 16 x 1,5	22	44	25	9					Standard	26KB IM16 MPX
									Nickel Plated	26KB IM16 MPN
M 18 x 1,5	22	44	25	9					Standard	26KB IM18 MPX
									Nickel Plated	26KB IM18 MPN

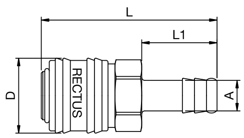


Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	58	25	25					Standard	26KB TF06 MPX
									Nickel Plated	26KB TF06 MPN
8 mm	21	58	25	25					Standard	26KB TF08 MPX
									Nickel Plated	26KB TF08 MPN
9 mm	21	58	25	25					Standard	26KB TF09 MPX
									Nickel Plated	26KB TF09 MPN
10 mm	21	58	25	25					Standard	26KB TF10 MPX
									Nickel Plated	26KB TF10 MPN
13 mm	21	58	25	25					Standard	26KB TF13 MPX
									Nickel Plated	26KB TF13 MPN
6 mm Parker	21	58	25	25					Standard	26KB TP06 MPX
									Nickel Plated	26KB TP06 MPN

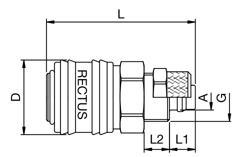
⚠ Please consider our security advices on the pages 12/13 ⚠

Couplings — RECTUS Series 26KB



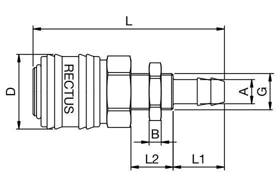
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
10 mm Parker	21	58	25	24					Standard	26KB TP10 MPX
									Nickel Plated	26KB TP10 MPN
13 mm Parker	21	58	25	28					Standard	26KB TP13 MPX
									Nickel Plated	26KB TP13 MPN



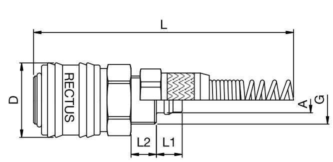
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 x 8 mm	21	45	25	7	6			M 12 x 1	Standard	26KB KO08 MPX
									Nickel Plated	26KB KO08 MPN
8 x 10 mm	21	49	25	9	8			M 16 x 1	Standard	26KB KO10 MPX
									Nickel Plated	26KB KO10 MPN
9 x 12 mm	21	49	25	9	8			M 16 x 1	Standard	26KB KO12 MPX
									Nickel Plated	26KB KO12 MPN



Panel Mount,
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	60	25	17	10	17	4	M 12 x 1	Standard	26KB TS06 MPX
									Nickel Plated	26KB TS06 MPN
8 mm	21	63	25	17	14	17	4	M 12 x 1	Standard	26KB TS08 MPX
									Nickel Plated	26KB TS08 MPN
10 mm	21	72	25	25	14	17	4	G 1/4	Standard	26KB TS10 MPX
									Nickel Plated	26KB TS10 MPN



Plastic Hose Connection
with Spring Guard

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 x 8 mm	21	132	25	7	6			M 12 x 1	Standard	26KB KK08 MPX
									Nickel Plated	26KB KK08 MPN
8 x 10 mm	21	143	25	9	8			M 16 x 1	Standard	26KB KK10 MPX
									Nickel Plated	26KB KK10 MPN
9 x 12 mm	21	150	25	9	8			M 16 x 1	Standard	26KB KK12 MPX
									Nickel Plated	26KB KK12 MPN

Valved Plugs for all 26 KB Series (same as 25KB Series!) see page 137.

RECTUS Series

25KB

Nominal Diameter

42 mm² = **7,4**

Double Shut-Off

Technical Description

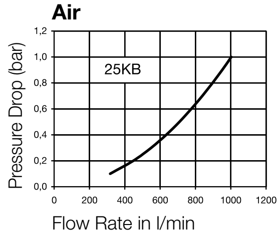
3/8" - 1/2" brass coupling system with UltraFlo technology. High flow performance. Notable for robust design and steel sleeve used with large pneumatic consumers.

Dust Caps (P. 331)

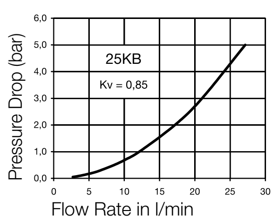
for coupling	Part.-No. SK23S
for plug	Part.-No. SK12S

Chart

Air



Water



Advantages

Single handed operation. Robust design. High flow valve. No damage to the valve body due to collar design.

Working Pressure

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

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°C (FFKM)
depending on the medium.

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

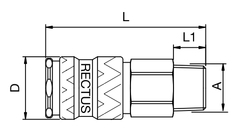
actual size

Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Inner Sleeve	Brass	Brass
Spring Plate	Brass	Brass
Plug		
Plug Profile	Brass	Brass, Nickel Plated
Back Body	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring	AISI 301	AISI 301
Seal	NBR	NBR

You will find the following alternative versions in our current catalogue on page:

- Brass/Steel Single Shut-off P. 73
- Brass/Steel Dry-Break P. 171
- Stainless Steel P. 209
- Safety P. 278
- Safety Self-Venting P. 290
- Safety Coded P. 303

Couplings — RECTUS Series 25KB

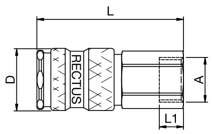
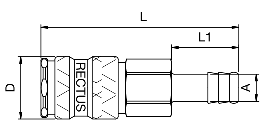
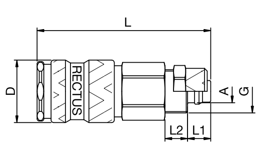
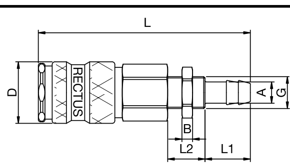
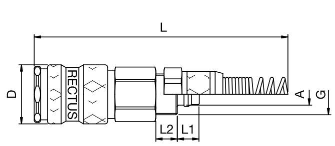


Male Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
	R 1/4	19	60	23	12					Standard	25KB AK13 BPX
										Nickel Plated	25KB AK13 BPN
	R 3/8	19	59	23	10,5					Standard	25KB AK17 BPX
										Nickel Plated	25KB AK17 BPN
	R 1/2	22	57,5	23	9					Standard	25KB AK21 BPX
										Nickel Plated	25KB AK21 BPN
ISO 8434-1	M 14 x 1,5	19	59	23	10					Standard	25KB AD14 BPX
										Nickel Plated	25KB AD14 BPN
	M 16 x 1,5	19	60	23	11					Standard	25KB AD16 BPX
										Nickel Plated	25KB AD16 BPN
	M 18 x 1,5	19	60	23	11					Standard	25KB AD18 BPX
										Nickel Plated	25KB AD18 BPN

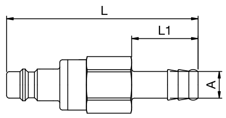
⚠ Please consider our security advices on the pages 12/13 ⚠

Couplings — RECTUS Series 25KB

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Female Thread	G 1/4	19	56	23	10					Standard	25KB IW13 BPX
										Nickel Plated	25KB IW13 BPN
	G 3/8	19	55	23	9					Standard	25KB IW17 BPX
										Nickel Plated	25KB IW17 BPN
	G 1/2	24	58	23	12					Standard	25KB IW21 BPX
										Nickel Plated	25KB IW21 BPN
	M 16 x 1,5	19	55	23	9					Standard	25KB IM16 BPX
										Nickel Plated	25KB IM16 BPN
	M 18 x 1,5	22	56	23	9					Standard	25KB IM18 BPX
										Nickel Plated	25KB IM18 BPN
 Hose Barb	6 mm	19	74	23	25					Standard	25KB TF06 BPX
										Nickel Plated	25KB TF06 BPN
	8 mm	19	74	23	25					Standard	25KB TF08 BPX
										Nickel Plated	25KB TF08 BPN
	9 mm	19	74	23	25					Standard	25KB TF09 BPX
										Nickel Plated	25KB TF09 BPN
	10 mm	19	74	23	25					Standard	25KB TF10 BPX
										Nickel Plated	25KB TF10 BPN
	13 mm	19	74	23	25					Standard	25KB TF13 BPX
										Nickel Plated	25KB TF13 BPN
	10 mm Parker	19	73	23	24					Standard	25KB TP10 BPX
										Nickel Plated	25KB TP10 BPN
	13 mm Parker	19	76	23	28					Standard	25KB TP13 BPX
										Nickel Plated	25KB TP13 BPN
 Plastic Hose Connection	8 x 10 mm	19	65	23	9	8			M 16 x 1	Standard	25KB KO10 BPX
										Nickel Plated	25KB KO10 BPN
	9 x 12 mm	19	65	23	9	8			M 16 x 1	Standard	25KB KO12 BPX
										Nickel Plated	25KB KO12 BPN
 Panel Mount, Hose Barb	6 mm	19	76	23	17	10	17	4	M 12 x 1	Standard	25KB TS06 BPX
										Nickel Plated	25KB TS06 BPN
	8 mm	19	80	23	17	14	17	4	M 12 x 1	Standard	25KB TS08 BPX
										Nickel Plated	25KB TS08 BPN
	10mm	19	76	23	17	10	17	4	M 12 x 1	Standard	25KB TS10 BPX
										Nickel Plated	25KB TS10 BPN
 Platic Hose Connection with Spring Guard	6 x 8 mm	19	144	23	7	6			M 12 x 1	Standard	25KB KK08 BPX
										Nickel Plated	25KB KK08 BPN
	9 x 12 mm	19	162	23	9	8			M 16 x 1	Standard	25KB KK12 BPX

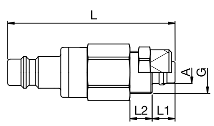
Valved Plugs

RECTUS Series 25KB



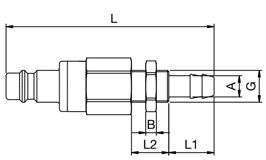
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	60		25					Standard	25SB TF06 MPX
									Nickel Plated	25SB TF06 MPN
8 mm	21	60		25					Standard	25SB TF08 MPX
									Nickel Plated	25SB TF08 MPN
9 mm	21	60		25					Standard	25SB TF09 MPX
									Nickel Plated	25SB TF09 MPN
10 mm	21	60		25					Standard	25SB TF10 MPX
									Nickel Plated	25SB TF10 MPN
13 mm	21	60		25					Standard	25SB TF13 MPX
									Nickel Plated	25SB TF13 MPN
6 mm Parker	19	67,5		20,5					Standard	25SB TP06 MPX
									Nickel Plated	25SB TP06 MPN
10 mm Parker	19	71		24					Standard	25SB TP10 MPX
									Nickel Plated	25SB TP10 MPN
13 mm Parker	19	83		28					Standard	25SB TP13 MPX
									Nickel Plated	25SB TP13 MPN



Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	21	47		7	6			M 10 x 1	Standard	25SB KO06 MPX
									Nickel Plated	25SB KO06 MPN
6 x 8 mm	21	47		7	6			M 12 x 1	Standard	25SB KO08 MPX
									Nickel Plated	25SB KO08 MPN
8 x 10 mm	21	51		8,5	8,5			M 16 x 1	Standard	25SB KO10 MPX
									Nickel Plated	25SB KO10 MPN
9 x 12 mm	21	51		8,5	8,5			M 16 x 1	Standard	25SB KO12 MPX
									Nickel Plated	25SB KO12 MPN

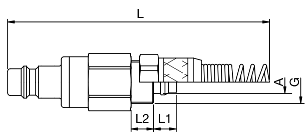


Panel Mount,
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	21	62		17	10	17	4	M 12 x 1	Standard	25SB TS06 MPX
									Nickel Plated	25SB TS06 MPN
8 mm	21	65		17	14	17	4	M 12 x 1	Standard	25SB TS08 MPX
									Nickel Plated	25SB TS08 MPN
10 mm	21	74		25	14	17	3,5	G 1/4	Standard	25SB TS10 MPX
									Nickel Plated	25SB TS10 MPN

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

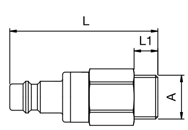
Valved Plugs — RECTUS Series 25KB



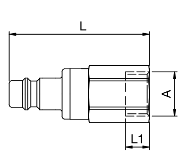
Plastic Hose Connection with Spring Guard

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	19	120		7	6			M 10 x 1	Standard	25SB KK06 MPX
									Nickel Plated	25SB KK06 MPN
6 x 8 mm	19	135		7	6			M 12 x 1	Standard	25SB KK08 MPX
									Nickel Plated	25SB KK08 MPN
8 x 10 mm	19	145		8,5	8,5			M 16 x 1	Standard	25SB KK10 MPX
									Nickel Plated	25SB KK10 MPN
9 x 12 mm	19	150		8,5	8,5			M 16 x 1	Standard	25SB KK12 MPX
									Nickel Plated	25SB KK12 MPN

Valved Plugs — RECTUS Series 25KB



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	22	44,5		9					Standard	25SB AW10 MPX
									Nickel Plated	25SB AW10 MPN
G 1/4	22	43		9					Standard	25SB AW13 MPX
									Nickel Plated	25SB AW13 MPN
G 3/8	22	43		9					Standard	25SB AW17 MPX
									Nickel Plated	25SB AW17 MPN
G 1/2	22	46		12					Standard	25SB AW21 MPX
									Nickel Plated	25SB AW21 MPN
M 14 x 1,5	22	44		10					Standard	25SB AD14 MPX
									Nickel Plated	25SB AD14 MPN
M 16 x 1,5	22	45		11					Standard	25SB AD16 MPX
									Nickel Plated	25SB AD16 MPN
M 18 x 1,5	22	45		11					Standard	25SB AD18 MPX
									Nickel Plated	25SB AD18 MPN
G 1/4	22	43		10					Standard	25SB IW13 MPX
									Nickel Plated	25SB IW13 MPN
G 3/8	22	43		9					Standard	25SB IW17 MPX
									Nickel Plated	25SB IW17 MPN
G 1/2	24	46		9					Standard	25SB IW21 MPX
									Nickel Plated	25SB IW21 MPN
M 14 x 1,5	22	43		9					Standard	25SB IM14MPX
									Nickel Plated	25SB IM14 MPN
M 16 x 1,5	22	43		9					Standard	25SB IM16 MPX
									Nickel Plated	25SB IM16 MPN
M 18 x 1,5	22	43		9					Standard	25SB IM18 MPX
									Nickel Plated	25SB IM18 MPN

Double Shut-Off

Nominal Diameter

7,5 = 44 mm²

RECTUS Series

73KB

80% of actual size

Technical Description
The 73KB series plug profile conforms to IS0 Standard 7241-1 series B and is compatible with other makes of the same standard.

Advantages
This is a coupling to be operated with two hands, i.e. the unlocking sleeve must be pushed back manually when coupling.

Working Pressure
PB = 200 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
73KB Series:
-20°C up to +100°C (NBR)
-15°C up to +200°C (FKM)
depending on the medium.

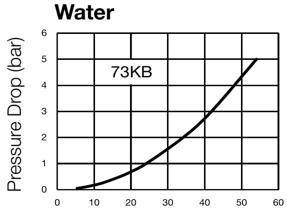
*At a temperature below -40°C and above +200°C special seals are available on request.

Material

Coupling	**Brass Version 73KB Series**
Coupling Body	Brass
Sleeve	Brass
Valve	Brass
Springs	AISI 301
Locking Balls	AISI 420
Seals	NBR
Valve Holder (up to 100°C)	Brass
Valve Holder (over 100°C)	Brass
Plug	
Plug Body	Brass
Valve	Brass
Springs	AISI 301
Seals	NBR
Valve Holder (up to 100°C)	Brass
Valve Holder (over 100°C)	Brass

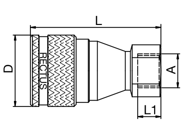
Chart

Water



You will find the following alternative versions in our current catalogue on page:
- Stainless Steel P. 218
- Thermoplastic P. 258

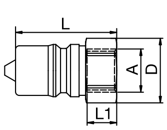
Couplings — RECTUS Series 73KB



Female Thread

Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working press. connected	Version	Seal	Part Number
G 3/8	22	64	11,5	35	with	200 bar	Brass	NBR	73KB IW17 MPX

Plugs — RECTUS Series 73KB



Female Thread

Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working press. connected	Version	Seal	Part Number
G 3/8	22	39	11,5		with	200 bar	Brass	NBR	73SB IW17 MPX

27KB

Nominal Diameter

80 mm² = 10

Double Shut-Off

Technical Description
1/2" European industrial profile with UltraFlo technology. High flow performance. Notable for robust design and steel sleeve in use with large pneumatic consumers.

Advantages
Single handed operation. Minimal pressure drop. High flow valve. No damage to the valve body from collar design.

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

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°C (FFKM)
depending on the medium.

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

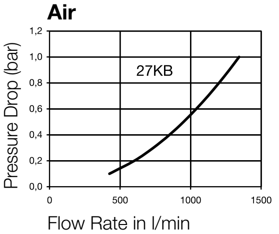
actual size

Dust Caps (P. 331)

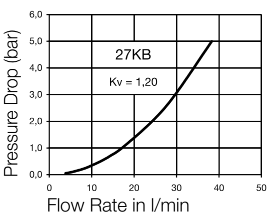
for coupling Part.-No. SK27S

Chart

Air



Water

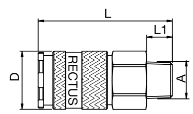


Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Inner Sleeve	Brass	Brass
Spring Plate	Brass	Brass
Plug		
Plug Profile	Brass	Brass, Nickel Plated
Back Body	Brass	Brass, Nickel Plated
Valve	Brass	Brass, Nickel Plated
Spring	AISI 301	AISI 301
Seal	NBR	NBR

You will find the following alternative versions in our current catalogue on page:

- ▶ Brass/Steel Single Shut-off P. 95
- ▶ Stainless Steel P. 213
- ▶ Safety Self-Venting P. 292

Couplings — RECTUS Series 27KB

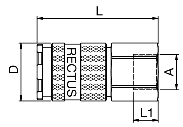


Male Thread

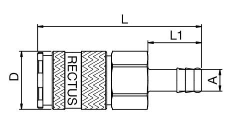
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	24	63	27	12					Standard	27KB AK13 BPX
									Nickel Plated	27KB AK13 BPN
R 3/8	24	63	27	12					Standard	27KB AK17 BPX
									Nickel Plated	27KB AK17 BPN
R 1/2	24	65	27	17					Standard	27KB AK21 BPX
									Nickel Plated	27KB AK21 BPN
R 3/4	27	65	27	17					Standard	27KB AK26 BPX
									Nickel Plated	27KB AK26 BPN

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

Couplings — RECTUS Series 27KB



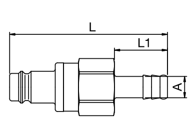
Female Thread



Hose Barb

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Female Thread	G 1/4	24	56	27	10					Standard	27KB IW13 BPX
										Nickel Plated	27KB IW13 BPN
	G 3/8	24	56	27	11					Standard	27KB IW17 BPX
										Nickel Plated	27KB IW17 BPN
	G 1/2	24	56	27	12					Standard	27KB IW21 BPX
										Nickel Plated	27KB IW21 BPN
	G 3/4	32	60	27	16					Standard	27KB IW26 BPX
										Nickel Plated	27KB IW26 BPN
Hose Barb	6 mm	24	76	27	25					Standard	27KB TF06 BPX
										Nickel Plated	27KB TF06 BPN
	8 mm	24	76	27	25					Standard	27KB TF08 BPX
										Nickel Plated	27KB TF08 BPN
	9 mm	24	76	27	25					Standard	27KB TF09 BPX
										Nickel Plated	27KB TF09 BPN
	10 mm	24	76	27	25					Standard	27KB TF10 BPX
										Nickel Plated	27KB TF10 BPN
	13 mm	24	76	27	25					Standard	27KB TF13 BPX
										Nickel Plated	27KB TF13 BPN
	16 mm	24	76	27	25					Standard	27KB TF16 BPX
										Nickel Plated	27KB TF16 BPN
	19 mm	24	76	27	25					Standard	27KB TF19 BPX
										Nickel Plated	27KB TF19 BPN

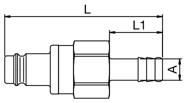
Valved Plugs — RECTUS Series 27KB



Hose Barb

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Hose Barb	6 mm	24	74		25					Standard	27SB TF06 MPX
										Nickel Plated	27SB TF06 MPN
	8 mm	24	74		25					Standard	27SB TF08 MPX
										Nickel Plated	27SB TF08 MPN
	9 mm	24	74		25					Standard	27SB TF09 MPX
										Nickel Plated	27SB TF09 MPN

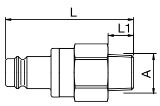
Valved Plugs — RECTUS Series 27KB



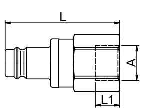
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
10 mm	24	74		25					Standard	27SB TF10 MPX
									Nickel Plated	27SB TF10 MPN
13 mm	24	74		25					Standard	27SB TF13 MPX
									Nickel Plated	27SB TF13 MPN
16 mm	24	74		25					Standard	27SB TF16 MPX
									Nickel Plated	27SB TF16 MPN
19 mm	24	74		25					Standard	27SB TF19 MPX
									Nickel Plated	27SB TF19 MPN

Valved Plugs — RECTUS Series 27KB



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	24	60,5		12					Standard	27SB AK13 MPX
									Nickel Plated	27SB AK13 MPN
R 3/8	24	60,5		12					Standard	27SB AK17 MPX
									Nickel Plated	27SB AK17 MPN
R 1/2	24	62,5		17					Standard	27SB AK21 MPX
									Nickel Plated	27SB AK21MPN
R 3/4	27	62,5		17					Standard	27SB AK26 MPX
									Nickel Plated	27SB AK26 MPN
G 1/4	24	54,5		9					Standard	27SB IW13 MPX
									Nickel Plated	27SB IW13 MPN
G 3/8	24	54,5		9					Standard	27SB IW17 MPX
									Nickel Plated	27SB IW17 MPN
G 1/2	24	54,5		12					Standard	27SB IW21 MPX
									Nickel Plated	27SB IW21 MPN
G 3/4	32	58,5		16					Standard	27SB IW26 MPX
									Nickel Plated	27SB IW26 MPN

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

80% of actual size

You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Single Shut-off P. 97

Technical Description

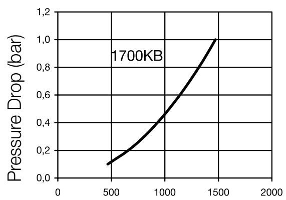
Premium industrial coupling in nominal diameter 10 with high grade valve technology and unpredented flow values and minimum connecting forces.

Dust Caps (P. 331)

for coupling Part.-No. SK27S

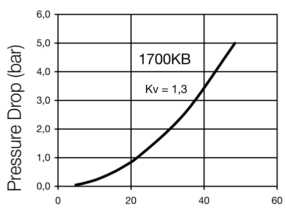
Chart

Air



Flow Rate in l/min

Water



Flow Rate in l/min

Advantages

Single handed operation. High flow valve. Easy connecting forces. Easy-grip sleeve design. Increased reliabiliy due to use of high frade materials. Extremely high flow performance.

Working Pressure

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

Working Temperature*

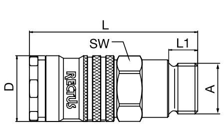
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to 316°C (FFKM)
depending on the medium.

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

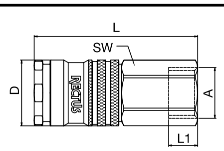
Material	Standard Version
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Brass, Nickel Plated
Valve, Seat	Brass
Spings, Locking Ring	AISI 301
Balls	AISI 420
Seals	NBR
Plug	
Plug Profile	Brass, Nickel Plated
Back Body	Brass, Nickel Plated
Valve	Brass, Nickel Plated
Spring	AISI 301
Seal	NBR

Couplings — RECTUS Series 1700KB

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 3/8	24	64,5	27	7					Standard	1700KB AW17 BPN
	G 1/2	24	69,5	27	12					Standard	1700KB AW21 BPN
	G 3/4	30	73,5	27	16					Standard	1700KB AW26 BPN
Female Thread	G 3/8	24	67,5	27	12					Standard	1700KB IW17 BPN

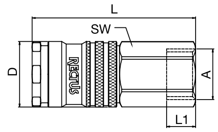


Male Thread



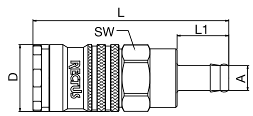
Female Thread

Couplings — RECTUS Series 1700KB



Female Thread

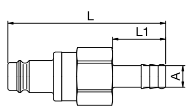
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	24	67,5	27	12					Standard	1700KB IW21 BPN
G 3/4	32	73,5	27	16					Standard	1700KB IW26 BPN



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
10 mm	24	79,5	27	21					Standard	1700KB TF10 BPN
13 mm	24	79,5	27	21					Standard	1700KB TF13 BPN
16 mm	24	79,5	27	21					Standard	1700KB TF16 BPN
19 mm	24	79,5	27	21					Standard	1700KB TF19 BPN

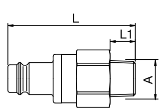
Valved Plugs — RECTUS Series 27SB



Hose Barb

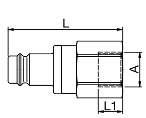
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	24	74		25					Standard	27SB TF06 MPN
8 mm	24	74		25					Standard	27SB TF08 MPN
9 mm	24	74		25					Standard	27SB TF09 MPN
10 mm	24	74		25					Standard	27SB TF10 MPN
13 mm	24	74		25					Standard	27SB TF13 MPN
16 mm	24	74		25					Standard	27SB TF16 MPN
19 mm	24	74		25					Standard	27SB TF19 MPN

Valved Plugs — RECTUS Series 27SB



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	24	60,5		12					Standard	27SB AK13 MPN
R 3/8	24	60,5		12					Standard	27SB AK17 MPN
R 1/2	24	62,5		17					Standard	27SB AK21 MPN
R 3/4	27	62,5		17					Standard	27SB AK26 MPN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	24	54,5		9					Standard	27SB IW13 MPN
G 3/8	24	54,5		9					Standard	27SB IW17 MPN
G 1/2	24	54,5		12					Standard	27SB IW21 MPN
G 3/4	24	54,5		16					Standard	27SB IW26 MPN

Double
Shut-Off

Nominal Diameter

11 = 95 mm²

RECTUS Series

74KB

75% of actual size

Technical Description
The 74KB series plug profile conforms to ISO Standard 7241-1 series B and is compatible with other makes of the same standard.

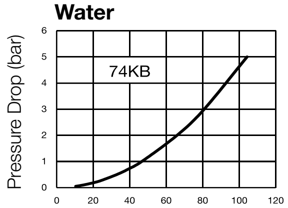
Advantages
This is a coupling to be operated with two hands, i.e. the unlocking sleeve must be pushed back manually when coupling.

Working Pressure
PB = 150 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-20°C up to +100°C (NBR)
-15°C up to +200°C (FKM)
depending on the medium.

*At a temperature below -40°C and above +200°C special seals are available on request.

Chart
Water

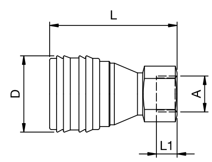


Material	Brass Version
Coupling	
Coupling Body	Brass
Sleeve	Brass
Valve	Brass
Springs	AISI 301
Locking Balls	AISI 420
Seals	NBR
Valve Holder (up to 100°C)	Brass
Valve Holder (over 100°C)	Brass
Plug	
Plug Body	Brass
Valve	Brass
Springs	AISI 301
Seals	NBR
Valve Holder (up to 100°C)	Brass
Valve Holder (over 100°C)	Brass

You will find the following alternative versions in our current catalogue on page:

▶ Stainless Steel P. 219
▶ Thermoplastic P. 259

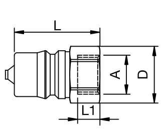
Couplings — RECTUS Series 74KB



Female Thread

Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working press. connected	Version	Seal	Part Number
G 1/2	27	76	16	44,5	with	150 bar	Brass	NBR	74KB IW21 MPX

Plugs — RECTUS Series 74KB



Female Thread

Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working press. connected	Version	Seal	Part Number
G 1/2	27	48	16		with	150 bar	Brass	NBR	74SB IW21 MPX

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

Double Shut-Off

Nominal Diameter

12 = 115 mm²

RECTUS Series

57KB

65% of actual size

Technical Description
German industrial profile with UltraFlo technology. Optimised structure with respect to size and performance. Robust coupling for compressed air applications. Especially suitable for oscillating forces, due to steel sleeve and steel valve body. Specific application for liquids.

Advantages
Single handed operation. Minimal pressure drop. High flow valve. No damage to the valve body from collar design.

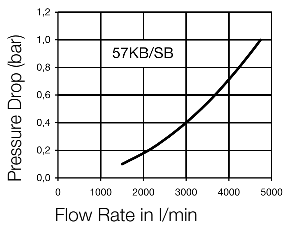
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
depending on the medium.

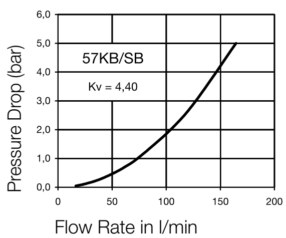
*At a temperature below -20°C and above +100°C special seals are available on request.

Chart

Air



Water



You will find the following alternative versions in our current catalogue on page:

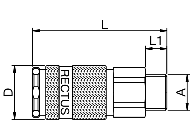
▶ Brass/Steel Single Shut-off P. 111

Material

Coupling	Standard
Back Body	Brass, Nickel Plated
Valve Body	Steel, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Brass, Nickel Plated
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Spring Plate	Brass, Nickel Plated

Plug	
Plug Profile	Steel Hardened, Nickel Plated
Back Body	Brass, Nickel Plated
Valve	Brass, Nickel Plated
Spring	AISI 301
Seal	NBR
Spring Plate	Brass

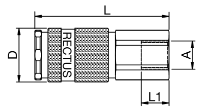
Couplings — RECTUS Series 57KB



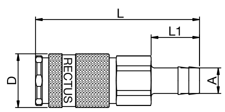
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	34	98	40	12					Standard	57KB AW21 SPN
G 3/4	34	100	40	16					Standard	57KB AW26 SPN
G 1	41	100	40	19					Standard	57KB AW33 SPN

Couplings — RECTUS Series 57KB



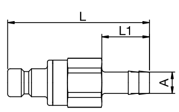
Female Thread



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	34	100	40	19					Standard	57KB IW21 SPN
G 3/4	34	100	40	16					Standard	57KB IW26 SPN
G 1	41	101	40	20					Standard	57KB IW33 SPN
16 mm	34	122	40	36					Standard	57KB TF16 SPN
19 mm	34	122	40	36					Standard	57KB TF19 SPN

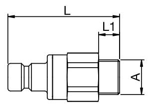
Valved Plugs — RECTUS Series 57KB



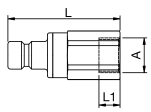
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
13 mm	34	101		28					Standard	57SB TF13 SPN
16 mm	34	107		36					Standard	57SB TF16 SPN
19 mm	34	107		36					Standard	57SB TF19 SPN

Valved Plugs — RECTUS Series 57KB



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	34	86		12					Standard	57SB AW17 SPN
G 1/2	34	83		12					Standard	57SB AW21 SPN
G 3/4	34	85		16					Standard	57SB AW26 SPN
G 1	41	85		19					Standard	57SB AW33 SPN
G 1/2	34	85		19					Standard	57SB IW21 SPN
G 3/4	34	85		16					Standard	57SB IW26 SPN

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

Double Shut-Off

Nominal Diameter

13 = 133 mm²

RECTUS Series

75KB

55% of actual size

Technical Description

The 75KB series plug profile conforms to ISO Standard 7241-1 series B and is compatible with other makes of the same standard.

Advantages

This is a coupling to be operated with two hands, i.e. the unlocking sleeve must be pushed back manually when coupling.

Working Pressure

PB = 100 bar, maximum static working pressure with safety factor of 4 to 1.

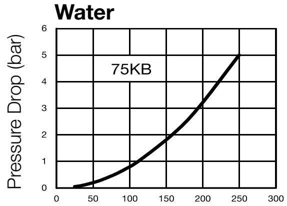
Working Temperature*

75KB Series:
-20°C up to +100°C (NBR)
-15°C up to +200°C (FKM)
depending on the medium.

*At a temperature below -40°C and above +200°C special seals are available on request.

Chart

Water



Flow Rate in l/min

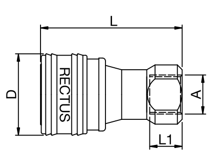
Material

Material	Brass Version
Coupling	**75KB Series**
Coupling Body	Brass
Sleeve	Brass
Valve	Brass
Springs	AISI 301
Locking Balls	AISI 420
Seals	NBR
Valve Holder	Brass
Plug	
Plug Body	Brass
Valve	Brass
Springs	AISI 301
Seals	NBR
Valve Holder	Brass

You will find the following alternative versions in our current catalogue on page:

▶ Stainless Steel P. 220
▶ Thermoplastic P. 260

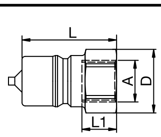
Couplings — RECTUS Series 75KB



Female Thread

Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working press. connected	Version	Seal	Part Number
G 3/4	34	96	24	55	with	100 bar	Brass	NBR	75KB IW26 MPX

Plugs — RECTUS Series 75KB



Female Thread

Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working press. connected	Version	Seal	Part Number
G 3/4	36	60	24		with	100 bar	Brass	NBR	75SB IW26 MPX

Double Shut-Off

Nominal Diameter

15 = 175 mm²

RECTUS Series

38KB

60% of actual size

Technical Description

Industrial profile in brass, with UltraFlo technology. Compact dimensions with high performance characteristics. Coupling can be used with numerous gaseous and liquid media.

Advantages

Compact dimensions. Extremely high flow performance. High flow valve.

Working Pressure

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

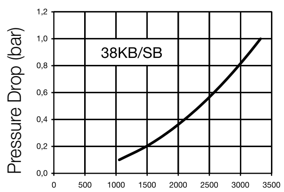
Working Temperature*

-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°C (FFKM)
depending on the medium.

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

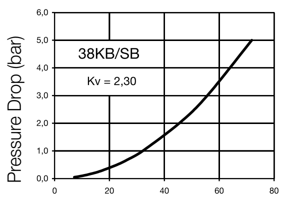
Chart

Air



Flow Rate in l/min

Water



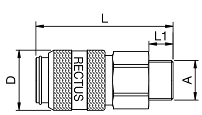
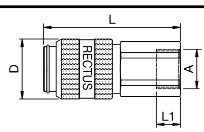
Flow Rate in l/min

You will find the following alternative versions in our current catalogue on page:

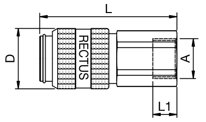
▶ Brass/Steel Single Shut-off P. 115

Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Inner Sleeve	Brass	Brass
Spring Plate	Brass	Brass
Plug		
Plug Profile	Brass	Brass, Nickel Plated
Back Body	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Seal	NBR	NBR
Spring Plate	Brass	Brass

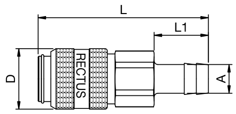
Couplings — RECTUS Series 38KB

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	G 1/2	34	89	40	12					Standard	38KB AW21 MPX
										Nickel Plated	38KB AW21 MPN
	G 3/4	34	91	40	16					Standard	38KB AW26 MPX
										Nickel Plated	38KB AW26 MPN
	G 1	41	91	40	19					Standard	38KB AW33 MPX
										Nickel Plated	38KB AW33 MPN
 Female Thread	G 1/2	34	95	40	20					Standard	38KB IW21 MPX
										Nickel Plated	38KB IW21 MPN

Couplings — RECTUS Series 38KB



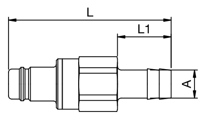
Female Thread



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/4	34	91	40	14					Standard	38KB IW26 MPX
									Nickel Plated	38KB IW26 MPN
G 1	41	92	40	20					Standard	38KB IW33 MPX
									Nickel Plated	38KB IW33 MPN
13 mm	34	105	40	28					Standard	38KB TF13 MPX
									Nickel Plated	38KB TF13 MPN
16 mm	34	113	40	36					Standard	38KB TF16 MPX
									Nickel Plated	38KB TF16 MPN
19 mm	34	113	40	36					Standard	38KB TF19 MPX
									Nickel Plated	38KB TF19 MPN
25 mm	34	109	40	36					Standard	38KB TF25 MPX
									Nickel Plated	38KB TF25 MPN

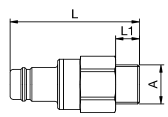
Valved Plugs — RECTUS Series 38KB



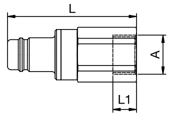
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B	G	Version	Part Number
13 mm	34	103		28					Standard	38SB TF13 MPX
									Nickel Plated	38SB TF13 MPN
16 mm	34	109		36					Standard	38SB TF16 MPX
									Nickel Plated	38SB TF16 MPN
19 mm	34	109		36					Standard	38SB TF19 MPX
									Nickel Plated	38SB TF19 MPN
25 mm	34	105		36					Standard	38SB TF25 MPX
									Nickel Plated	38SB TF25 MPN

Valved Plugs — RECTUS Series 38KB



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	34	85		12					Standard	38SB AW21 MPX
									Nickel Plated	38SB AW21 MPN
G 3/4	34	87		16					Standard	38SB AW26 MPX
									Nickel Plated	38SB AW26 MPN
G 1	41	87		19					Standard	38SB AW33 MPX
									Nickel Plated	38SB AW33 MPN
G 1/2	34	87		16					Standard	38SB IW21 MPX
									Nickel Plated	38SB IW21 MPN
G 3/4	34	87		16					Standard	38SB IW26 MPX
									Nickel Plated	38SB IW26 MPN
G 1	41	8		26					Standard	38SB IW33 MPX
									Nickel Plated	38SB IW33 MPN

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

Double Shut-Off

Nominal Diameter
19 = 300 mm²

RECTUS Series
39KB

40% of actual size

Technical Description
Industrial brass profile with UltraFlo technology. Compact dimensions with high performance characteristics. Coupling can be used with numerous gaseous and liquid media.

Advantages
Compact dimensions. Extremely high flow performance. High flow valve.

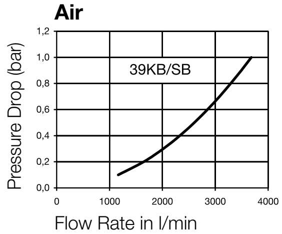
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

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°C (FFKM)
depending on the medium.

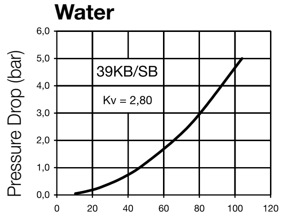
*At a temperature below -20°C and above +100°C special seals are available on request.

Chart

Air



Water

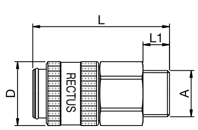


Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Inner Sleeve	Brass	Brass
Spring Plate	Brass	Brass
Plug		
Plug Profile	Brass	Brass, Nickel Plated
Back Body	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Seal	NBR	NBR
Spring Plate	Brass	Brass

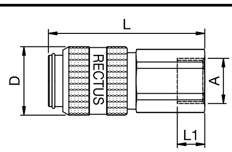
You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Single Shut-off P. 117
▶ Brass/Steel Dry-Break P. 180

Couplings — RECTUS Series 39KB



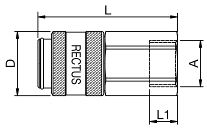
Male Thread



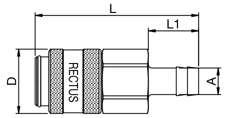
Female Thread

Type	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 3/4	41	95	46	16					Standard	39KB AW26 MPX
										Nickel Plated	39KB AW26 MPN
	G 1	41	98	46	19					Standard	39KB AW33 MPX
										Nickel Plated	39KB AW33 MPN
	G 1 1/4	46	98	46	19					Standard	39KB AW42 MPX
										Nickel Plated	39KB AW42 MPN
Female Thread	G 3/4	41	99	46	20					Standard	39KB IW26 MPX
										Nickel Plated	39KB IW26 MPN

Couplings — RECTUS Series 39KB



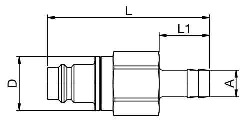
Female Thread



Hose Barb

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Female Thread	G 1	41	100	46	20					Standard	39KB IW33 MPX
										Nickel Plated	39KB IW33 MPN
	G 1 1/4	50	105	46	22					Standard	39KB IW42 MPX
										Nickel Plated	39KB IW42 MPN
Hose Barb	19 mm	41	115	46	36					Standard	39KB TF19 MPX
										Nickel Plated	39KB TF19 MPN
	25 mm	41	125	46	48					Standard	39KB TF25 MPX
										Nickel Plated	39KB TF25 MPN

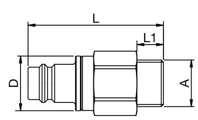
Valved Plugs — RECTUS Series 39KB



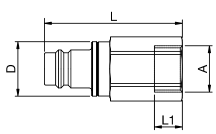
Hose Barb

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Hose Barb	19 mm	41	114		36					Standard	39SB TF19 MPX
										Nickel Plated	39SB TF19 MPN
	25 mm	41	124		48					Standard	39SB TF25 MPX
										Nickel Plated	39SB TF25 MPN

Valved Plugs — RECTUS Series 39KB



Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 3/4	41	92		16					Standard	39SB AW26 MPX
										Nickel Plated	39SB AW26 MPN
	G 1	41	95		19					Standard	39SB AW33 MPX
										Nickel Plated	39SB AW33 MPN
	G 1 1/4	46	95		19					Standard	39SB AW42 MPX
										Nickel Plated	39SB AW42 MPN
Female Thread	G 3/4	41	96		19					Standard	39SB IW26 MPX
										Nickel Plated	39SB IW26 MPN
	G 1	41	97		24					Standard	39SB IW33 MPX
										Nickel Plated	39SB IW33 MPN
	G 1 1/4	50	102		26					Standard	39SB IW42 MPX
										Nickel Plated	39SB IW42 MPN

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

Double Shut-Off

Nominal Diameter

20 = 490 mm²

RECTUS Series

76KB

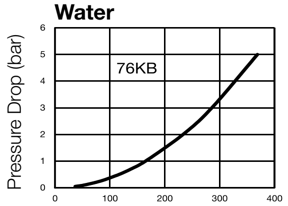
50% of actual size

You will find the following alternative versions in our current catalogue on page:

▶ Stainless Steel P. 221
▶ Thermoplastic P. 261

Technical Description
The 76KB series plug profile conforms to ISO Standard 7241-1 series B and is compatible with other makes of the same standard.

Chart



Advantages
This is a coupling to be operated with two hands, i.e. the unlocking sleeve must be pushed back manually when coupling.

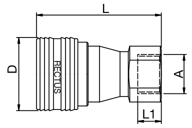
Working Pressure
PB = 100 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-20°C up to +100°C (NBR)
-15°C up to +200°C (FKM)
depending on the medium.

*At a temperature below -40°C and above +200°C special seals are available on request.

Material	**Brass Version**
Coupling	
Coupling Body	Brass
Sleeve	Brass
Valve	Brass
Springs	AISI 316 Ti
Locking Balls	AISI 420
Seals	NBR
Valve Holder	Brass
Plug	
Plug Body	Brass
Valve	Brass
Springs	AISI 316 Ti
Seals	NBR
Valve Holder	Brass

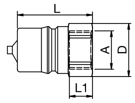
Couplings — RECTUS Series 76KB



Female Thread

Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working press. connected	Version	Seal	Part Number
G 1	41	105,5	24	62	with	100 bar	Brass	NBR	76KB IW33 MPX

Plugs — RECTUS Series 76KB



Female Thread

Connection A	Hex SW	L mm	L1 mm	D mm	Valve	Working press. connected	Version	Seal	Part Number
G 1	41	65	24		with	100 bar	Brass	NBR	76SB IW33 MPX

Dry-Break

Nominal Diameter

4 = 12,5 mm²

RECTUS Series

204KL

actual size

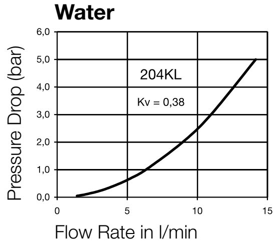
reddot design award
winner 2007

You will find the following alternative versions in our current catalogue on page:

▶ Stainless Steel P. 222

Technical Description
Dry-break coupling systems, which stand out for their extremely low leakage rates and a minimum volume of dead space. No air locks whatsoever during connecting and negligible film of channelled medium on the valve bodies when disconnecting. Coupling systems for applications in sensitive environments, such as in analysis technology, cooling circuits, transport systems and many applications with aggressive medium.

Chart



Advantages
Single-handed operation. Easy handling. Ergonomic sleeve shape. Optimised size. Low connecting forces. Valve body protected by collar design.

Extremely low dead volume remainings.

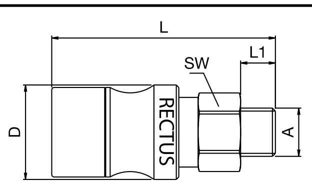
Interchangeability
RECTUS Design

Working Pressure
PB = 15 bar, maximum static working pressure with safety factor of 4 to1.

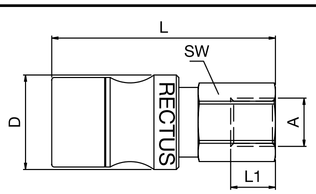
Working Temperature
-20°C up to +100°C (NBR)
Other sealing materials available on request.

Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Brass, Nickel Plated
Valve	Brass, Nickel Plated
Spring and Locking Ring	AISI 303
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug Profile	Brass, Nickel Plated
Back Body	Brass, Nickel Plated
Valve	Brass, Nickel Plated
Spring	AISI 303
Seal	NBR

Couplings — RECTUS Series 204KL



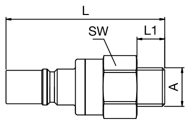
Male Thread



Female Thread

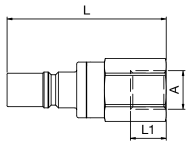
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	45	19	7					Standard	204KL AW10 MPN
G 1/4	17	47	19	9					Standard	204KL AW13 MPN
G 1/8	14	45	19	9					Standard	204KL IW10 MPN
G 1/4	17	47	19	9					Standard	204KL IW13 MPN

Valved Plugs — RECTUS Series 204KL



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	
G 1/8	14	40		7					Standard	204SL AW10 MPN	
G 1/4	17	42		9					Standard	204SL AW13 MPN	



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	
G 1/8	14	40		9					Standard	204SL IW10 MPN	
G 1/4	17	42		7					Standard	204SL IW13 MPN	

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

Dry-Break

Nominal Diameter

5 = 20 mm²

RECTUS Series

21KL

actual size

Technical Description

Mini industrial coupling, internationally the most common profile for this nominal diameter, in double shut-off design. Above average flow performance for liquid and gaseous media. Large band width in materials and valve variants.

Dust Caps (P. 331)

for coupling Part.-No. SK16S

Advantages

Single handed operation. Small dimensions. Minimum (hardly noticeable) leakage occurs when disconnecting. Air is not trapped in during the connecting process.

Working Pressure

PB = 8 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*

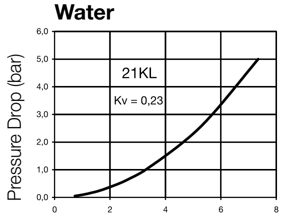
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

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

You will find the following alternative versions in our current catalogue on page:

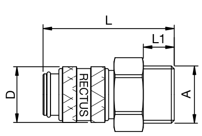
- ▶ Brass/Steel Single Shut-off P. 34
- ▶ Brass/Steel Double Shut-off P. 125
- ▶ Stainless Steel P. 224
- ▶ Thermoplastics P. 242
- ▶ Safety P. 276
- ▶ Coded Systems P. 300

Chart



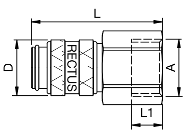
Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Inner Sleeve	Brass	Brass
Seal bonnet	Brass	Brass
Plug		
Plug Profile	Brass	Brass, Nickel Plated
Back Body	Brass	Brass, Nickel Plated
Valve	Brass	Brass, Nickel Plated
Spring	AISI 301	AISI 301
Seal	NBR	NBR

Couplings — RECTUS Series 21KL



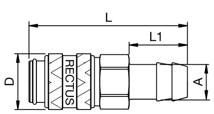
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	7					Standard	21KL AW10 MPX
									Nickel Plated	21KL AW10 MPN
G 1/4	17	38	16	9					Standard	21KL AW13 MPX
									Nickel Plated	21KL AW13 MPN
G 3/8	19	38	16	9					Standard	21KL AW17 MPX
									Nickel Plated	21KL AW17 MPN
M 12 x 1,5	17	38	16	9					Standard	21KL AD12 MPX
									Nickel Plated	21KL AD12 MPN
M 14 x 1,5	17	38	16	9					Standard	21KL AD14 MPX
									Nickel Plated	21KL AD14 MPN



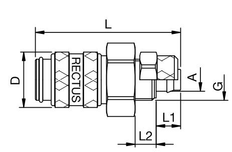
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	9					Standard	21KL IW10 MPX
									Nickel Plated	21KL IW10 MPN
G 1/4	17	38	16	9					Standard	21KL IW13 MPX
									Nickel Plated	21KL IW13 MPN
G 3/8	19	38	16	9					Standard	21KL IW17 MPX
									Nickel Plated	21KL IW17 MPN
M 12 x 1,5	17	38	16	6					Standard	21KL IM12 MPX
									Nickel Plated	21KL IM12 MPN
M 14 x 1,5	17	38	16	6					Standard	21KL IM14 MPX
									Nickel Plated	21KL IM14 MPN



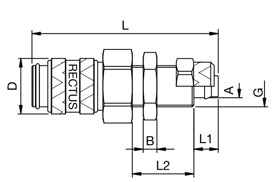
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	46	16	17					Standard	21KL TF04 MPX
									Nickel Plated	21KL TF04 MPN
6 mm	14	46	16	17					Standard	21KL TF06 MPX
									Nickel Plated	21KL TF06 MPN
8 mm	14	46	16	17					Standard	21KL TF08 MPX
									Nickel Plated	21KL TF08 MPN
9 mm	14	46	16	17					Standard	21KL TF09 MPX
									Nickel Plated	21KL TF09 MPN
10 mm	14	46	16	17					Standard	21KL TF10 MPX
									Nickel Plated	21KL TF10 MPN
6 mm Parker	14	46	16	17					Standard	21KL TP06 MPX
									Nickel Plated	21KL TP06 MPN



Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	42	16	7	6			M 10 x 1	Standard	21KL KO06 MPX
									Nickel Plated	21KL KO06 MPN
6 x 8 mm	14	42	16	7	6			M 12 x 1	Standard	21KL KO08 MPX
									Nickel Plated	21KL KO08 MPN



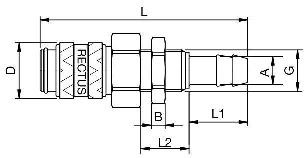
Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	54	16	7	18	14	4	M 10 x 1	Standard	21KL KS06 MPX
									Nickel Plated	21KL KS06 MPN
6 x 8 mm	17	54	16	7	18	17	4	M 12 x 1	Standard	21KL KS08 MPX
									Nickel Plated	21KL KS08 MPN

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

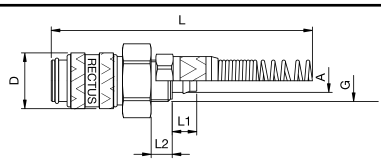
Couplings

RECTUS Series 21KL



Panel Mount,
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	60	16	17	14	14	4	M 10 x 1	Standard	21KL TS04 MPX
									Nickel Plated	21KL TS04 MPN
5 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KL TS05 MPX
									Nickel Plated	21KL TS05 MPN
6 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KL TS06 MPX
									Nickel Plated	21KL TS06 MPN
8 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KL TS08 MPX
									Nickel Plated	21KL TS08 MPN
10 mm	17	60	16	17	14	19	4	M 12 x 1	Standard	21KL TS10 MPX
									Nickel Plated	21KL TS10 MPN

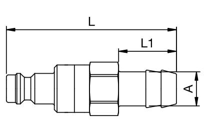


Plastic Hose Connection
with Spring Guard

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	125	16	7	6			M 10 x 1	Standard	21KL KK06 MPX
									Nickel Plated	21KL KK06 MPN
6 x 8 mm	14	130	16	7	6			M 10 x 1	Standard	21KL KK08 MPX
									Nickel Plated	21KL KK08 MPN

Valved Plugs

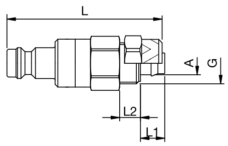
RECTUS Series 21KL



Hose Barb

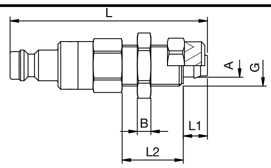
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	50		17					Standard	21SL TF04 MPX
									Nickel Plated	21SL TF04 MPN
6 mm	14	50		17					Standard	21SL TF06 MPX
									Nickel Plated	21SL TF06 MPN
8 mm	14	50		17					Standard	21SL TF08 MPX
									Nickel Plated	21SL TF08 MPN
9 mm	14	50		17					Standard	21SL TF09 MPX
									Nickel Plated	21SL TF09 MPN
10 mm	14	50		17					Standard	21SL TF10 MPX
									Nickel Plated	21SL TF10 MPN
6 mm Parker	14	54		20					Standard	21SL TP06 MPX
									Nickel Plated	21SL TP06 MPN

Valved Plugs RECTUS Series 21KL



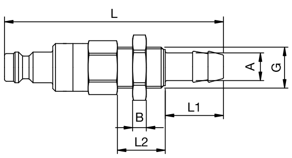
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	46		7	6			M 10 x 1	Standard	21SL KO06 MPX
									Nickel Plated	21SL KO06 MPN
6 x 8 mm	14	46		7	6			M 12 x 1	Standard	21SL KO08 MPX
									Nickel Plated	21SL KO08 MPN



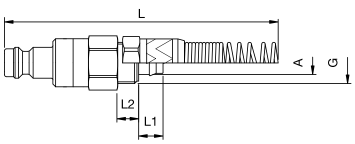
Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 x 8 mm	14	58		7	18	17	4	M 12 x 1	Standard	21SL KS08 MPX
									Nickel Plated	21SL KS08 MPN



Panel Mount,
Hose Barb

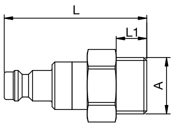
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	64		17	14	14	4	M 10 x 1	Standard	21SL TS04 MPX
									Nickel Plated	21SL TS04 MPN
5 mm	14	64		17	14	14	4	M 12 x 1	Standard	21SL TS05 MPX
									Nickel Plated	21SL TS05 MPN
6 mm	14	64		17	14	17	4	M 12 x 1	Standard	21SL TS06 MPX
									Nickel Plated	21SL TS06 MPN
10 mm	14	64		17	14	19	4	M 14 x 1	Standard	21SL TS10 MPX
									Nickel Plated	21SL TS10 MPN



Plastic Hose Connection
with Spring Guard

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	130		7	6			M 10 x 1	Standard	21SL KK06 MPX
									Nickel Plated	21SL KK06 MPN
6 x 8 mm	14	135			6			M 12 x 1	Standard	21SL KK08 MPX
									Nickel Plated	21SL KK09 MPN

Valved Plugs RECTUS Series 21KL



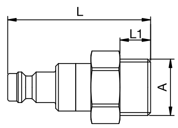
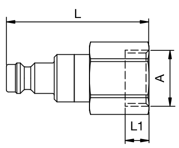
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	40			7				Standard	21SL AW10 MPX
									Nickel Plated	21SL AW10 MPN
G 1/4	17	42			9				Standard	21SL AW13 MPX
									Nickel Plated	21SL AW13 MPN

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

Valved Plugs

RECTUS Series 21KL

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	M 12 x 1,5	17	43		10					Standard	21SL AD12 MPX
										Nickel Plated	21SL AD12 MPN
 Female Thread	G 1/8	14	40		7					Standard	21SL IW10 MPX
										Nickel Plated	21SL IW10 MPN
	G 1/4	17	42		7					Standard	21SL IW13 MPX
										Nickel Plated	21SL IW13 MPN
	G 3/8	19	42		7					Standard	21SL IW17 MPX
										Nickel Plated	21SL IW17 MPN
	M 12 x 1,5	17	42		7					Standard	21SL IM12 MPX
										Nickel Plated	21SL IM12 MPN
	M 14 x 1,5	17	42		7					Standard	21SL IM14 MPX
										Nickel Plated	21SL IM14 MPN

Technical Description
Dry-break coupling systems, which stand out for their extremely low leakage rates and a minimum volume of dead space. No air locks whatsoever during connecting and negligible film of channelled medium on the valve bodies when disconnecting. Coupling systems for applications in sensitive environments, such as in analysis technology, cooling circuits, transport systems and many applications with aggressive medium.

Advantages
Single handed operation. Easy handling. Ergonomic sleeve shape. Low connecting forces. Valve body protected by collar design.

Extremely low dead volume remainings.

Interchangeability
RECTUS Design

Working Pressure
PB = 15 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature
-20°C up to +100°C (NBR)
Other sealing materials available on request.

85 % of actual size

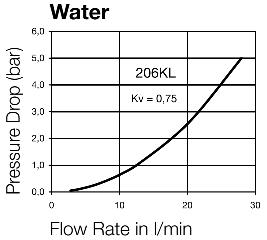
reddot design award
winner 2007

You will find the following alternative versions in our current catalogue on page:

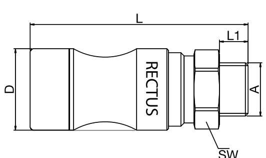
▶ Stainless Steel P. 228

Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Brass, Nickel Plated
Valve	Brass, Nickel Plated
Spring and Locking Ring	AISI 303
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug Profile	Brass, Nickel Plated
Back Body	Brass, Nickel Plated
Valve	Brass, Nickel Plated
Spring	AISI 303
Seal	NBR

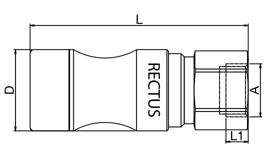
Chart



Couplings — RECTUS Series 206KL



Male Thread



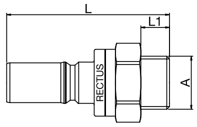
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	22	68,5	25,5	9					Standard	206KL AW17 MPN
G 1/2	22	71,5	25,5	12					Standard	206KL AW21 MPN
G 3/8	22	68,5	25,5	7					Standard	206KL IW17 MPN
G 1/2	24	71,5	25,5	10					Standard	206KL IW21 MPN

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

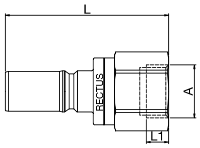
Valved Plugs

RECTUS Series 206KL



Male Thread

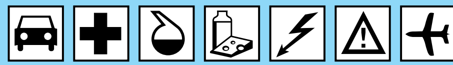
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	22	51		9					Standard	206SL AW17MPN
G 1/2	22	54		12					Standard	206SL AW21MPN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	22	51		7					Standard	206SL IW17MPN
G 1/2	24	54		10					Standard	206SL IW21MPN

25KL



Nominal Diameter

42 mm² = **7,4**

Dry-Break

Technical Description
3/8" - 1/2" brass coupling system. High flow performance. Notable for robust design and steel sleeve used with large pneumatic consumers.

Dust Caps (P. 331)

for coupling	Part.-No. SK23S
for plug	Part.-No. SK12S

Advantages
Single handed operation. Robust design. High flow valve. No damage to the valve body from collar design. Minimum (hardly noticeable) leakage occurs when disconnecting. Air is not trapped in during the connecting process.

Working Pressure
PB = 8 bar, maximum static working pressure with safety factor of 4 to 1.

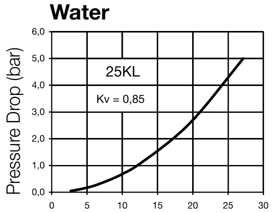
Working Temperature*
-20°C up to +100°C (NBR)
-40°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

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

actual size

Chart

Water

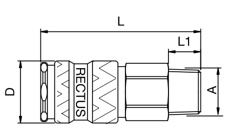


Material	Standard	Nickel Plated
Coupling		
Back Body	Brass, Nickel Plated	
Valve Body	Brass, Nickel Plated	
Sleeve	Brass, Nickel Plated	
Valve	Brass	
Spring and Locking Ring	AISI 301	
Locking Balls	AISI 420	
Seals	NBR	
Seal Bonnet	Brass	
Inner Sleeve	Brass	
Plug		
Plug Profile	Brass	Brass, Nickel Plated
Back Body	Brass	Brass, Nickel Plated
Valve	Brass	Brass, Nickel Plated
Spring	AISI 301	AISI 301
Seal	NBR	NBR

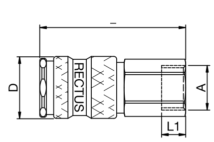
You will find the following alternative versions in our current catalogue on page:

- Brass/Steel Single Shut-off P. 73
- Brass/Steel Double Shut-off P. 139
- Stainless Steel P. 230
- Safety P. 278
- Safety Self-Venting P. 290
- Coded Systems P. 303

Couplings — RECTUS Series 25KL



Male Thread

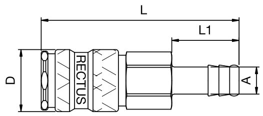


Female Thread

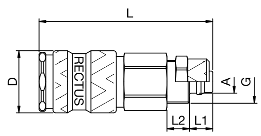
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	R 1/4	19	60	23	12					Standard	25KL AK13 BPN
Male Thread	R 3/8	19	60	23	12					Standard	25KL AK17 BPN
Male Thread	R 1/2	22	61	23	17					Standard	25KL AK21 BPN
Female Thread	G 1/4	19	56	23	10					Standard	25KL IW13 BPN
Female Thread	G 3/8	19	55	23	9					Standard	25KL IW17 BPN
Female Thread	G 1/2	24	58	23	12					Standard	25KL IW21 BPN
Female Thread	M 14 x 1,5	19	55	23	9					Standard	25KL IM14 BPN
Female Thread	M 16 x 1,5	19	55	23	9					Standard	25KL IM16 BPN
Female Thread	M 18 x 1,5	22	56	23	9					Standard	25KL IM18 BPN

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

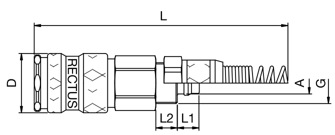
Couplings — RECTUS Series 25KL



Hose Barb



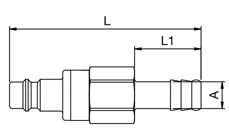
Plastic Hose Connection



Plastic Hose Connection with Spring Guard

Type	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Hose Barb	6 mm	19	74	23	25					Standard	25KL TF06 BPN
	8 mm	19	74	23	25					Standard	25KL TF08 BPN
	9 mm	19	74	23	25					Standard	25KL TF09 BPN
	10 mm	19	74	23	25					Standard	25KL TF10 BPN
	13 mm	19	74	23	25					Standard	25KL TF13 BPN
Plastic Hose Connection	6 x 8 mm	19	67	23	7	6			M 12 x 1	Standard	25KL KO08 BPN
	8 x 10 mm	19	155	23	9	8			M 16 x 1	Standard	25KL KO10 BPN
	9 x 12 mm	19	65	23	9	8			M 16 x 1	Standard	25KL KO12 BPN
Plastic Hose Connection with Spring Guard	6 x 8 mm	19	144	23	7	6			M 12 x 1	Standard	25KL KK08 BPN
	8 x 10 mm	19	155	23	9	8			M 16 x 1	Standard	25KL KK10 BPN
	9 x 12 mm	19	162	23	9	8			M 16 x 1	Standard	25KL KK12 BPN

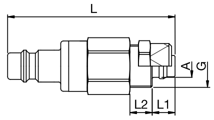
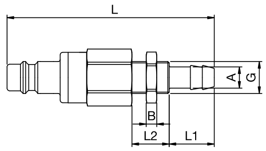
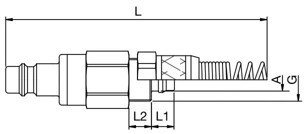
Valved Plugs — RECTUS Series 25KL



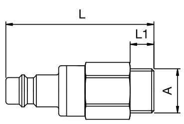
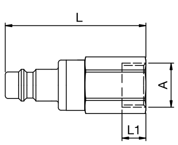
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
9 mm	21	60		25					Standard	25SL TF09 MPX
									Nickel Plated	25SL TF09 MPN
10 mm	21	60		25					Standard	25SL TF10 MPX
									Nickel Plated	25SL TF10 MPN
13 mm	21	60		25					Standard	25SL TF13 MPX
									Nickel Plated	25SL TF13 MPN

Valved Plugs — RECTUS Series 25KL

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Plastic Hose Connection	6 x 8 mm	21	47		7	6			M 12 x 1	Standard	25SL KO08 MPX
										Nickel Plated	25SL KO08 MPN
	8 x 10 mm	21	51		8,5	8,5			M 16 x 1	Standard	25SL KO10 MPX
										Nickel Plated	25SL KO10 MPN
	9 x 12 mm	21	51		8,5	8,5			M 16 x 1	Standard	25SL KO12 MPX
										Nickel Plated	25SL KO12 MPN
 Panel Mount, Hose Barb	6 mm	21	62		17	10	17	4	M 12 x 1	Standard	25SL TS06 MPX
										Nickel Plated	25SL TS06 MPN
	10 mm	21	74		25	14	7	3,5	G 1/4	Standard	25SL TS10 MPX
										Nickel Plated	25SL TS10 MPN
 Plastic Hose Connection with Spring Guard	6 x 8 mm	19	135		7	6			M 12 x 1	Standard	25SL KK08 MPX
										Nickel Plated	25SL KK08 MPN
	8 x 10 mm	19	145		8,5	8,5			M 16 x 1	Standard	25SL KK10 MPX
										Nickel Plated	25SL KK10 MPN
	9 x 12 mm	19	150		8,5	8,5			M 16 x 1	Standard	25SL KK12 MPX
										Nickel Plated	25SL KK12 MPN

Valved Plugs — RECTUS Series 25KL

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	G 1/4	22	43		9					Standard	25SL AW13 MPX
										Nickel Plated	25SL AW13 MPN
	G 3/8	22	43		9					Standard	25SL AW17 MPX
										Nickel Plated	25SL AW17 MPN
	G 1/2	22	46		12					Standard	25SL AW21 MPX
										Nickel Plated	25SL AW21 MPN
	M 14 x 1,5	22	44		10					Standard	25SL AD14 MPX
										Nickel Plated	25SL AD14 MPN
	M 16 x 1,5	22	45		11					Standard	25SL AD16 MPX
										Nickel Plated	25SL AD16 MPN
	M 18 x 1,5	22	45		11					Standard	25SL AD18 MPX
										Nickel Plated	25SL AD18 MPN
 Female Thread	G 1/4	22	43		10					Standard	25SL IW13 MPX
										Nickel Plated	25SL IW13 MPN
	G 3/8	22	43		9					Standard	25SL IW17 MPX
										Nickel Plated	25SL IW17 MPN
	G 1/2	24	46		12					Standard	25SL IW21 MPX
										Nickel Plated	25SL IW21 MPN
	M 14 x 1,5	22	43		9					Standard	25SL IM14 MPX
										Nickel Plated	25SL IM14 MPN
	M 16 x 1,5	22	43		9					Standard	25SL IM16 MPX
										Nickel Plated	25SL IM16 MPN
	M 18 x 1,5	22	43		9					Standard	25SL IM18 MPX
										Nickel Plated	25SL IM18 MPN

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

Dry-Break

Nominal Diameter

8,1 = 52 mm^2

RECTUS Series

93KL

75% of actual size

You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Single Shut-off P. 85

Technical Description
The 93 Series is a modular coupling and plug without an integrated locking system for installation in multi-coupling system. The complete multi-coupling is offered under our 08 Series product name. The important sliding parts are coated with PTFE to reduce frictional resistance as much as possible.

Advantages
Available in single shut-off, double shut-off with dry break or straight through versions.

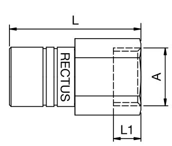
Working Pressure
PB = 15 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-20°C up to +100°C (NBR)
-30°C up to +120/150°C (EPDM)
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

*At a temperature below -15°C and above +200°C special seals are available on request.

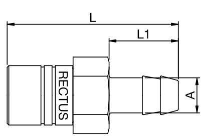
Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel Hardened and PTFE coated
Valve	Brass
Spring and Locking Ring	AISI 301
Seals	FKM
Plug	
Plug Profile	Steel Hardened and PTFE coated
Back Body	Brass, Nickel Plated
Valve	Brass
Spring and Locking Ring	AISI 301
Seal	FKM

Couplings — RECTUS Series 93KL



Female Thread

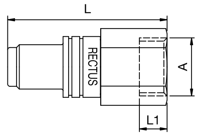
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	24	48		10,1					Standard	93KL IW21 SVN



Hose Barb

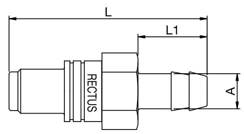
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
9 mm	24	54		17					Standard	93KL TF09 SVN
13 mm	24	62		25					Standard	93KL TF13 SVN

Valved Plugs — RECTUS Series 93KL



Female Thread

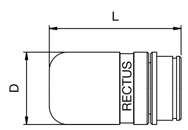
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	24	57,5		10,1					Standard	93SL IW21 SVN



Hose Barb

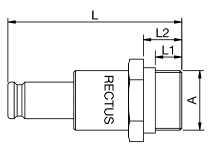
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
9 mm	24	63,5		17					Standard	93SL TF09 SVN
13 mm	24	68,5		25					Standard	93SL TF13 SVN

Locking Coupling and Bolt — RECTUS Series 93KL



Locking Coupling

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
		45								94KX



Locking Bolt

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
	24	58		13						94SX

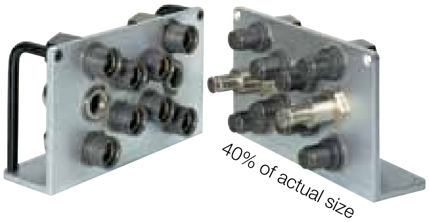
Dry-Break

Nominal Diameter

8,1 = 52 mm²

RECTUS Series

08KL



You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Single Shut-off P. 87

Technical Description
Multi-coupling system as plate or individual components for connecting hose combinations. Special coupling body with PTFE coating giving greater robustness, lower coupling forces, and resistance to liquid media. The standard version consists of a floating plate fitted with 8 quick connect couplings, 2 handles and 2 locking couplings as well as a fixed plate fitted with 8 plugs and 2 locking bolts. The layout is asymmetrical to avoid mixing up the circulation systems.

Advantages
The safety locking system prevents unintentional disconnection. Minimum (hardly noticeable) leakage occurs when disconnecting. Air is not trapped in during the connecting process. Time saving by using a multi-coupling system.

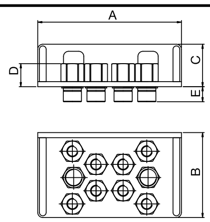
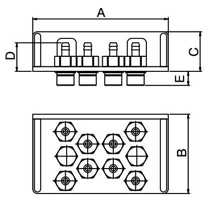
Working Pressure
PB = 15 bar, maximum static working pressure with safety factor 4 to 1.

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°C (FFKM)
depending on the medium.

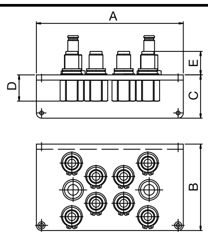
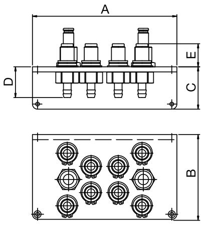
*At a temperature below -15°C and above +200°C special seals are available on request.

Material	Standard
Coupling	
Plate with 2 Handles	Aluminium, elox.
8 Multi Couplings	
Back Body	Brass, Nickel Plated
Plug	Steel Hardened, DNC-PTFE coated
Inner Parts	Brass
Springs	AISI 301
Seals	FKM
Locking Rings	AISI 301
2 Locking Couplings	Steel Hardened, Nickel Plated
Plug	
Plate	Aluminium, elox.
8 Multi-Plugs	
Back Body	Brass, Nickel Plated
Plug	Steel Hardened, DNC-PTFE coated
Inner Parts	Brass
Springs	AISI 301
Seals	FKM
Locking Rings	AISI 301
2 Locking Bolts	Steel Hardened, Nickel Plated

Couplings — RECTUS Series 08KL

	Connection A	A mm	B mm	C mm	D mm	E mm	Version	Part Number
 Female Thread	G 1/2	170	100	50	30	18	Standard	08KL IW21 SVN
 Hose Barb	13 mm	170	100	50	44	18	Standard	08KL TF13 SVN

Valved Plugs — RECTUS Series 08KL

	Connection A	A mm	B mm	C mm	D mm	E mm				Version	Part Number	
 Female Thread	G 1/2	170	100	50	30	27				Standard	08SL IW21 SVN	
 Hose Barb	13 mm	170	100	50	44	27				Standard	08SL TF13 SVN	

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

Dry-Break

Nominal Diameter

9 = 63,5 mm²

RECTUS Series

209KL

70 % of actual size

reddot design award
winner 2007

You will find the following alternative versions in our current catalogue on page:

▶ Stainless Steel P. 234

Technical Description
Dry-break coupling systems, which stand out for their extremely low leakage rates and a minimum volume of dead space. No air locks whatsoever during connecting and negligible film of channelled medium on the valve bodies when disconnecting. Coupling systems for applications in sensitive environments, such as in analysis technology, cooling circuits, transport systems and many applications with aggressive medium.

Advantages
Single handed operation. Easy handling. Ergonomic sleeve shape. Low connecting forces. Valve body protected by collar design.

Extremely low dead volume remainings.

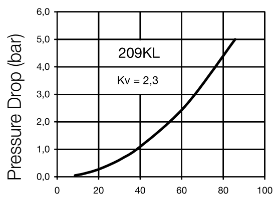
Interchangeability
RECTUS Design

Working Pressure
PB = 15 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature
-20°C up to +100°C (NBR)
Other sealing materials available on request.

Chart

Water



Material

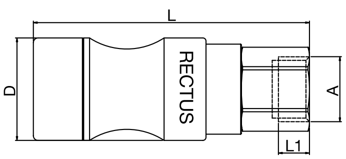
Coupling

Coupling	Standard
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Brass, Nickel Plated
Valve	Brass, Nickel Plated
Spring and Locking Ring	AISI 303
Locking Balls	AISI 420
Seals	NBR

Plug

Plug	Standard
Plug Profile	Brass, Nickel Plated
Back Body	Brass, Nickel Plated
Valve	Brass, Nickel Plated
Spring	AISI 303
Seal	NBR

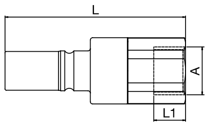
Couplings RECTUS Series 209KL



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	27	92	33	14					Standard	209KL IW21 MPN
G 3/4	32	94	33	14					Standard	209KL IW26 MPN

Valved Plugs RECTUS Series 209KL



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	27	79,5		14					Standard	209SL IW21 MPN
G 3/4	32	81,5		14					Standard	209SL IW26 MPN

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

Dry-Break

Nominal Diameter

19 = 300 mm²

RECTUS Series

39KL

45% of actual size

Technical Description
Industrial brass profile. Compact dimensions with high performance characteristics. Coupling can be used with numerous gaseous and liquid media.

Advantages
Minimum leakage when disconnecting leaves only a slight film of the medium left on the front part of the plug. Air is not trapped in during the coupling process. Compact dimensions. Extremely high flow performance.

Working Pressure
PB = 8 bar, maximum static working pressure with safety factor of 4 to 1.

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°C (FFKM)
depending on the medium.

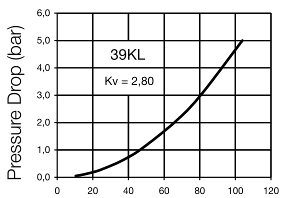
*At a temperature below -20°C and above +150°C special seals are available on request.

You will find the following alternative versions in our current catalogue on page:

- ▶ Brass/Steel Single Shut-off P. 117
- ▶ Brass/Steel Double Shut-off P. 158

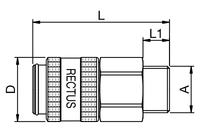
Chart

Water

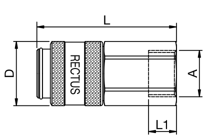


Material	**Standard**	**Nickel Plated**
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Seal Bonnet	Brass	Brass
Inner Sleeve	Brass	Brass
Plug		
Plug Profile	Brass	Brass, Nickel Plated
Back Body	Brass	Brass, Nickel Plated
Valve	Brass	Brass, Nickel Plated
Spring	AISI 301	AISI 301
Seal	NBR	NBR
Spring Plate	Brass	Brass

Couplings — RECTUS Series 39KL



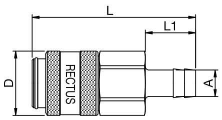
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 3/4	41	95	46	16					Standard	39KL AW26 MPX
										Nickel Plated	39KL AW26 MPN
	G 1	41	98	46	19					Standard	39KL AW33 MPX
										Nickel Plated	39KL AW33 MPN
	G 1 1/4	41	98	46	19					Standard	39KL AW42 MPX
										Nickel Plated	39KL AW42 MPN
Female Thread	G 3/4	41	99	46	20					Standard	39KL IW26 MPX
										Nickel Plated	39KL IW26 MPN
	G 1/2	41	100	46	20					Standard	39KL IW33 MPX
										Nickel Plated	39KL IW33 MPN
	G 1 1/4	50	105	46	22					Standard	39KL IW42 MPX
										Nickel Plated	39KL IW42 MPN

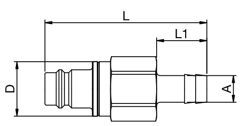
Couplings — RECTUS Series 39KL



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
19 mm	41	115	46	36					Standard	39KL TF19 MPX
									Nickel Plated	39KL TF19 MPN
25 mm	41	125	46	48					Standard	39KL TF25 MPX
									Nickel Plated	39KL TF25 MPN

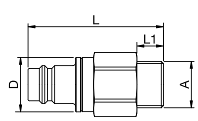
Valved Plugs — RECTUS Series 39KL



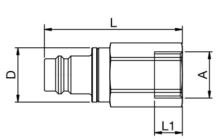
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
19 mm	41	114		36					Standard	39SL TF19 MPX
									Nickel Plated	39SL TF19 MPN
25 mm	41	124		48					Standard	39SL TF25 MPX
									Nickel Plated	39SL TF25 MPN

Valved Plugs — RECTUS Series 39KL



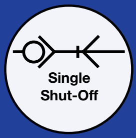
Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/4	41	92		16					Standard	39SL AW26 MPX
									Nickel Plated	39SL AW26 MPN
G 1	41	95		19					Standard	39SL AW33 MPX
									Nickel Plated	39SL AW33 MPN
G 1 1/4	41	95		19					Standard	39SL AW42 MPX
									Nickel Plated	39SL AW42 MPN
G 3/4	41	96		16					Standard	39SL IW26 MPX
									Nickel Plated	39SL IW26 MPN
G 1	41	97		24					Standard	39SL IW33 MPX
									Nickel Plated	39SL IW33 MPN
G 1 1/4	50	102		26					Standard	39SL IW42 MPX
									Nickel Plated	39SL IW42 MPN

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



Nominal Diameter

2,7 = 6 mm²

RECTUS Series

20KA

actual size

Technical Description
Mini industrial coupling, internationally used profile. Notable for a high flow and numerous application options with various media. Frequent use in mini-pneumatics, medical technology and chemistry/pharmacy.

Advantages
Single handed operation.
Small dimensions.

Interchangeability
RECTUS 91
WALTHER 06-003

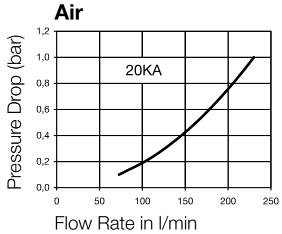
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-15°C up to +200°C (FKM) depending on the medium.

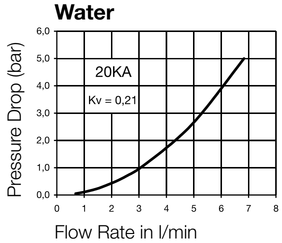
*At a temperature below -15°C and above +200°C special seals are available on request.

Chart

Air



Water

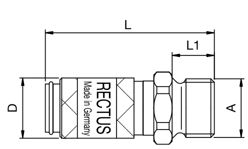
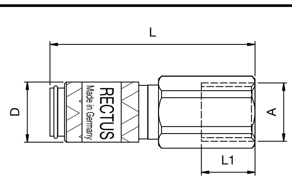


Material	AISI 303	AISI 316 L
Coupling		
Back Body	AISI 303	AISI 316 L
Valve Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 420	AISI 420
Seals	FKM	FKM
Plug		
Plug	AISI 303	AISI 316 L

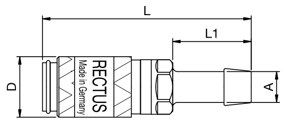
You will find the following alternative versions in our current catalogue on page:

▶ Stainless Steel Double Shut-off P. 200
▶ Brass/Steel Single Shut-off P. 26

Couplings RECTUS Series 20KA

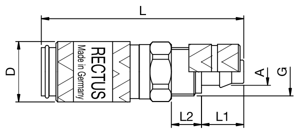
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	M 5	9	26	10	5					AISI 303	20KA AM05 RVX
										AISI 316 L	20KA AM05 EVX
	G 1/8	11	28	10	7					AISI 303	20KA AW10 RVX
										AISI 316 L	20KA AW10 EVX
 Female Thread	M 5	9	25	10	5					AISI 303	20KA IM05 RVX
										AISI 316 L	20KA IM05 EVX
	G 1/8	12	28	10	7					AISI 303	20KA IW10 RVX
										AISI 316 L	20KA IW10 EVX

Couplings — RECTUS Series 20KA



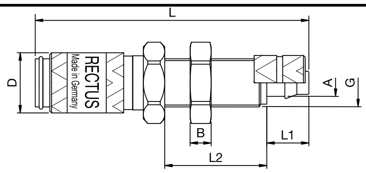
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm		35	10	13					AISI 303	20KA TF03 RVX
4 mm		35	10	13					AISI 303	20KA TF04 RVX
									AISI 316 L	20KA TF04 EVX
5 mm		35	10	13					AISI 303	20KA TF05 RVX



Plastic Hose Connection

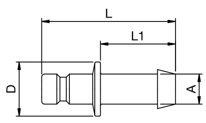
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	9	34	10	7	5			M 7 x 0,5	AISI 303	20KA KO04 RVX
									AISI 316 L	20KA KO04 EVX
3 x 5 mm	9	34	10	7	5			M 7 x 0,5	AISI 303	20KA KO05 RVX
									AISI 316 L	20KA KO05 EVX
4 x 6 mm	9	34	10	7	5			M 8 x 0,5	AISI 303	20KA KO06 RVX
									AISI 316 L	20KA KO06 EVX



Panel Mount,
Plastic Hose Connection

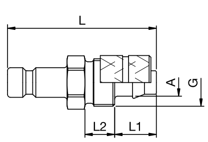
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	12	45	10	7	17	11	3	M 7 x 0,5	AISI 303	20KA KS04 RVX
3 x 5 mm	12	45	10	7	17	11	3	M 7 x 0,5	AISI 303	20KA KS05 RVX
4 x 6 mm	12	45	10	7	17	11	3	M 8 x 0,5	AISI 303	20KA KS06 RVX

Plugs — RECTUS Series 20KA



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm		24	7	13					AISI 303	20SF TF03 RXX
									AISI 316 L	20SF TF03 EXX
4 mm		24	7	13					AISI 303	20SF TF04 RXX
									AISI 316 L	20SF TF04 EXX
5 mm		22	9	13					AISI 303	20SF TF05 RXX
									AISI 316 L	20SF TF05 EXX

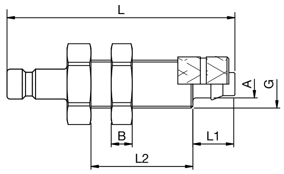


Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	8	25		7	5			M 7 x 0,5	AISI 303	20SF KO04 RXX
									AISI 316 L	20SF KO04 EXX
3 x 5 mm	8	25		7	5			M 7 x 0,5	AISI 303	20SF KO05 RXX
									AISI 316 L	20SF KO05 EXX
4 x 6 mm	8	25		7	5			M 8 x 0,5	AISI 303	20SF KO06 RXX
									AISI 316 L	20SF KO06 EXX

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

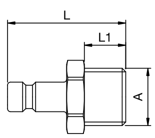
Couplings RECTUS Series 20KA



Panel Mount,
Plastic Hose Connection

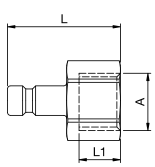
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	12	38		7	17	12	3	M 8 x 0,5	AISI 303	20SF KS06 RXX

Plugs RECTUS Series 20KA



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 5	7	18		5					AISI 303	20SF AM05 RXX
									AISI 316 L	20SF AM05 EXX
G 1/8	11	20		7					AISI 303	20SF AW10 RXX
									AISI 316 L	20SF AW10 EXX



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 5	7	17		5					AISI 303	20SF IM05 RXX
									AISI 316 L	20SF IM05 EXX
G 1/8	12	19		7					AISI 303	20SF IW10 RXX
									AISI 316 L	20SF IW10 EXX

21KA

20 mm² = 5

Technical Description
Mini industrial coupling, the world's most commonly used profile. Above average flow performance for liquid and gaseous media. Large band width in materials and valve variants.

Dust Caps (P. 331)
for coupling Part.-No SK16S

Advantages
Single handed operation.
Small dimensions.
All variants interchangeable.

Interchangeability
RECTUS 90
CAMMOZZI
EWO
KANI

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

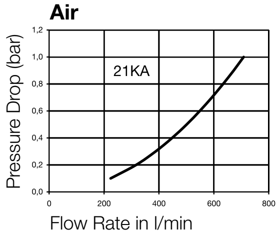
Working Temperature*
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

*At a temperature below -15°C and above +200°C special seals are available on request.

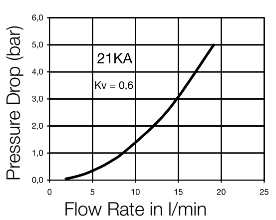
actual size

Chart

Air



Water

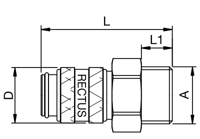


Material	AISI 303	AISI 316 L
Coupling		
Back Body	AISI 303	AISI 316 L
Valve Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 420	AISI 420
Seals	FKM	FKM
Plug		
Plug	AISI 303	AISI 316 L

You will find the following alternative versions in our current catalogue on page:

- ▶ Stainless Steel Double Shut-off P. 205
- ▶ Stainless Steel Dry-Break P. 224
- ▶ Thermoplastics P. 242
- ▶ Brass/Steel P. 34
- ▶ Safety P. 266
- ▶ Coded Systems P. 300

Couplings — RECTUS Series 21KA



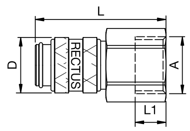
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	7					AISI 303	21KA AW10 RVX
									AISI 316 L	21KA AW10 EVX
G 1/4	17	38	16	9					AISI 303	21KA AW13 RVX
									AISI 316 L	21KA AW13 EVX
G 3/8	19	38	16	9					AISI 303	21KA AW17 RVX
									AISI 316 L	21KA AW17 EVX
M 12 x 1,5	14	38	16	9					AISI 303	21KA AM12 RVX
M 14 x 1,5	17	39	16	10					AISI 303	21KA AM14 RVX

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

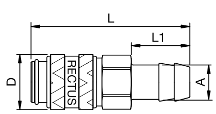
Couplings

RECTUS Series 21KA



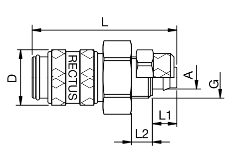
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	5					AISI 303	21KA IW10 RVX
									AISI 316 L	21KA IW10 EVX
G 1/4	17	38	16	9					AISI 303	21KA IW13 RVX
									AISI 316 L	21KA IW13 EVX
G 3/8	19	38	16	9					AISI 303	21KA IW17 RVX
									AISI 316 L	21KA IW17 EVX
M 12 x 1,5	17	38	16	9					AISI 303	21KA IM12 RVX
M 14 x 1,5	17	38	16	9					AISI 303	21KA IM14 RVX



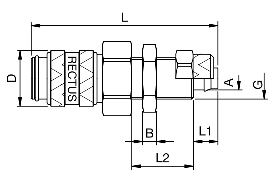
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	46	16	17					AISI 303	21KA TF04 RVX
									AISI 316 L	21KA TF04 EVX
6 mm	14	46	16	17					AISI 303	21KA TF06 RVX
									AISI 316 L	21KA TF06 EVX
8 mm	14	46	16	17					AISI 303	21KA TF08 RVX
									AISI 316 L	21KA TF08 EVX
9 mm	14	46	16	17					AISI 303	21KA TF09 RVX
									AISI 316 L	21KA TF09 EVX
10 mm	14	46	16	17					AISI 303	21KA TF10 RVX
									AISI 316 L	21KA TF10 EVX
6 mm Parker	14	50	16	20					AISI 303	21KA TP06 RVX



Plastic Hose Connection

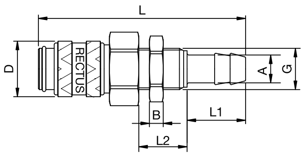
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	42	16	7	6			M 10 x 1	AISI 303	21KA KO06 RVX
									AISI 316 L	21KA KO06 EVX
6 x 8 mm	14	42	16	7	6			M 12 x 1	AISI 303	21KA KO08 RVX
									AISI 316 L	21KA KO08 EVX



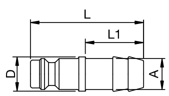
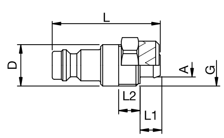
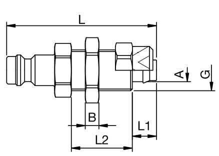
Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	54	16	7	18	12	3	M 10 x 1	AISI 303	21KA KS06 RVX
									AISI 316 L	21KA KS06 EVX
6 x 8 mm	17	54	16	7	18	17	4	M 12 x 1	AISI 303	21KA KS08 RVX

Couplings — RECTUS Series 21KA

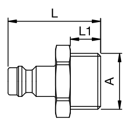
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Panel Mount, Hose Barb	5 mm	17	60	16	17	14	17	4	M 12 x 1	AISI 303	21KA TS05 RVX
	6 mm	17	60	16	17	14	17	4	M 12 x 1	AISI 303	21KA TS06 RVX
	8 mm	17	60	16	17	14	17	4	M 12 x 1	AISI 303	21KA TS08 RVX

Plugs — RECTUS Series 21KA

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Hose Barb	4 mm		32	9	17					AISI 303	21SF TF04 RXX
	5 mm		32	9	17					AISI 303	21SF TF05 RXX
	6 mm		32	9	17					AISI 303	21SF TF06 RXX
										AISI 316 L	21SF TF06 EXX
	8 mm		32	9	17					AISI 303	21SF TF08 RXX
										AISI 316 L	21SF TF08 EXX
	9 mm		33	10	17					AISI 303	21SF TF09 RXX
										AISI 316 L	21SF TF09 EXX
	10 mm		33	12	17					AISI 303	21SF TF10 RXX
										AISI 316 L	21SF TF10 EXX
	6 mm Parker		36	12	20					AISI 303	21SF TP06 RXX
 Plastic Hose Connection	4 x 6 mm	12	32		7	6	12		M 10 x 1	AISI 303	21SF KO06 RXX
										AISI 316 L	21SF KO06 EXX
	6 x 8 mm	14	32		7	6	14		M 12 x 1	AISI 303	21SF KO08 RXX
										AISI 316 L	21SF KO08 EXX
 Panel Mount, Plastic Hose Connection	4 x 6 mm	14	43		7	18	12	3	M 10 x 1	AISI 303	21SF KS06 RXX
										AISI 316 L	21SF KS06 EXX
	6 x 8 mm	14	44		7	18	17	4	M 12 x 1	AISI 303	21SF KS08 RXX

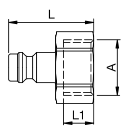
⚠ Please consider our security advices on the pages 12/13 ⚠

Plugs — RECTUS Series 21KA



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	25		7					AISI 303	21SF AW10 RXX
									AISI 316 L	21SF AW10 EXX
G 1/4	17	28		9					AISI 303	21SF AW13 RXX
									AISI 316 L	21SF AW13 EXX
G 3/8	19	28		9					AISI 303	21SF AW17 RXX
									AISI 316 L	21SF AW17 EXX
M 10 x 1	14	25		7					AISI 303	21SF AM10 RXX
M 12 x 1,5	17	28		10					AISI 303	21SF AM12 RXX
M 14 x 1,5	17	28		10					AISI 303	21SF AD14 RXX



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	25		8					AISI 303	21SF IW10 RXX
									AISI 316 L	21SF IW10 EXX
G 1/4	17	25		9					AISI 303	21SF IW13 RXX
									AISI 316 L	21SF IW13 EXX
G 3/8	19	26		9					AISI 303	21SF IW17 RXX
									AISI 316 L	21SF IW17 EXX
M 10 x 1	14	26		9					AISI 303	21SF IM10 RXX
M 12 x 1,5	17	27		10					AISI 303	21SF IM12 RXX
M 14 x 1,5	17	27		10					AISI 303	21SF IM14 RXX

26KA

Nominal Diameter

40 mm² = 7,2

Single Shut-Off

Technical Description
Euro-Coupling-System made of AISI 303 for corrosion resistant applications. Plug Profile interchangeable to Euro-Profile.

Advantages
Single handed operation.

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

Interchangeability
RECTUS 25
European Profile

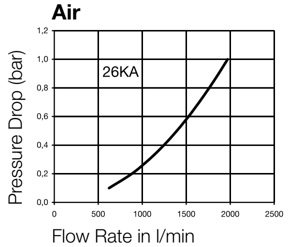
Working Temperature*
-15°C up to +100°C (FKM) depending on the medium.

*At a temperature below -15°C and above +100°C special seals are available on request.

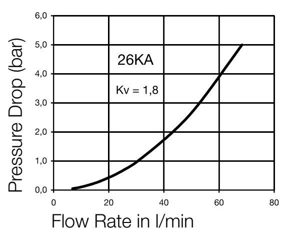
90% of actual size

Chart

Air



Water

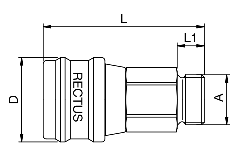


Material	**AISI 303**
Coupling	
Back Body	AISI 303
Valve Body	AISI 303
Sleeve	AISI 303
Valve	AISI 303
Spring	AISI 301
Balls, Pins	AISI 316
Seals	FKM
Distance Sleeve	PTFE
Plug	
Plug	AISI 303

You will find the following alternative versions in our current catalogue on page:

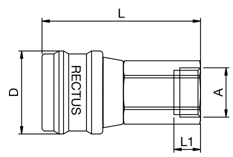
- Brass/Steel Single Shut-off P. 66
- Brass/Steel Double Shut-off P. 136
- Safety Self-Venting P. 288

Couplings — RECTUS Series 26KA



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	55,5	28	10,5					AISI 303	26KA AW13 RVX
G 3/8	19	53,5	28	9					AISI 303	26KA AW17 RVX
G 1/2	24	56,5	28	12					AISI 303	26KA AW21 RVX

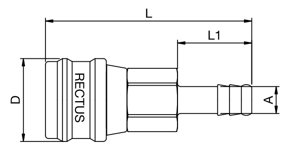


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	51,5	28	10					AISI 303	26KA IW13 RVX
G 3/8	19	53,5	28	9					AISI 303	26KA IW17 RVX
G 1/2	24	56,5	28	12					AISI 303	26KA IW21 RVX

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

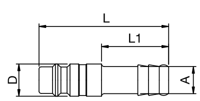
Couplings — RECTUS Series 26KA



Hose Barb

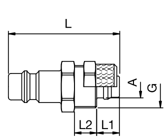
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	69,5	28	25					AISI 303	26KA TF06 RVX
8 mm	19	69,5	28	25					AISI 303	26KA TF08 RVX
9 mm	19	69,5	28	25					AISI 303	26KA TF09 RVX
10 mm	19	69,5	28	25					AISI 303	26KA TF10 RVX
13 mm	19	69,5	28	25					AISI 303	26KA TF13 RVX

Plugs — RECTUS Series 25SF



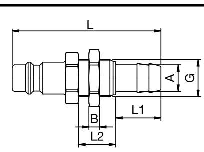
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		48	12	25					AISI 303	25SF TF06 RXX
									AISI 316 L	25SF TF06 EXX
8 mm		48	12	25					AISI 303	25SF TF08 RXX
									AISI 316 L	25SF TF08 EXX
9 mm		48	12	25					AISI 303	25SF TF09 RXX
									AISI 316 L	25SF TF09 EXX
10 mm		48	12	25					AISI 303	25SF TF10 RXX
									AISI 316 L	25SF TF10 EXX
13 mm		48	15	25					AISI 303	25SF TF13 RXX
									AISI 316 L	25SF TF13 EXX



Plastic Hose Connection

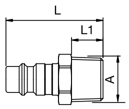
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm		34	12	7	6			M 10 x 1	AISI 303	25SF KO06 RXX
									AISI 316 L	25SF KO06 EXX
6 x 8 mm		34	12	7	6			M 12 x 1	AISI 303	25SF KO08 RXX
									AISI 316 L	25SF KO08 EXX
8 x 10 mm	17	42		9	8			M 16 x 1	AISI 303	25SF KO10 RXX
9 x 12 mm	17	42		9	8			M 16 x 1	AISI 303	25SF KO12 RXX
									AISI 316 L	25SF KO12 EXX



Panel Mount,
Hose Barb

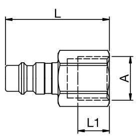
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	14	56		17	14	17	4	M 12 x 1	AISI 303	25SF TS06 RXX
8 mm	14	56		17	14	17	4	M 12 x 1	AISI 303	25SF TS08 RXX
10 mm	17	56		17	14	19	4	M 14 x 1	AISI 303	25SF TS10 RXX

Plugs RECTUS Series 25SF



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	31		7					AISI 303	25SF AW10 RXX
									AISI 316 L	25SF AW10 EXX
G 1/4	17	33		9					AISI 303	25SF AW13 RXX
									AISI 316 L	25SF AW13 EXX
G 3/8	19	33		9					AISI 303	25SF AW17 RXX
									AISI 316 L	25SF AW17 EXX
G 1/2	24	38		12					AISI 303	25SF AW21 RXX
									AISI 316 L	25SF AW21 EXX
M 18 x 1,5	22	37		11					AISI 303	25SF AM18 RXX



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	30		7					AISI 303	25SF IW10 RXX
									AISI 316 L	25SF IW10 EXX
G 1/4	17	33		10					AISI 303	25SF IW13 RXX
									AISI 316 L	25SF IW13 EXX
G 3/8	19	33		10					AISI 303	25SF IW17 RXX
									AISI 316 L	25SF IW17 EXX
G 1/2	24	35		12					AISI 303	25SF IW21 RXX
									AISI 316 L	25SF IW21 EXX
M 14 x 1,5	17	33		10					AISI 303	25SF IM14 RXX
M 14 x 1,5	17	33		10					AISI 303	25SF IM14 RXX
M 14 x 1,5	17	33		13					AISI 303	25SF IM14 RXX

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

Single Shut-Off

Nominal Diameter

7,8 = 48 mm²

RECTUS Series

25KA

actual size

You will find the following alternative versions in our current catalogue on page:

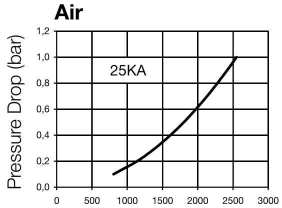
- Stainless Steel Double Shut-off P. 209
- Stainless Steel Dry-Break P. 230
- Safety P. 270
- Safety Self-Venting P. 290
- Coded Systems S. 303
- Brass/Steel P. 73

Technical Description
3/8"- 1/2" European industrial profile with UltraFlo technology. High flow performance. Notable for robust design and steel sleeve used with large pneumatic consumers. Optimum use with liquids and aggressive media.

Dust Caps (P. 331)
for coupling Part.-No. SK23S
for plug Part.-No. SK12S

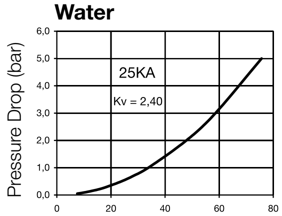
Chart

Air



Flow Rate in l/min

Water



Flow Rate in l/min

Advantages
Single handed operation.
Tough construction.
UltraFlo technology.

Interchangeability
RECTUS 26
CEJN 320
various German products

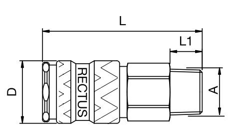
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-15°C up to +200°C (FKM) depending on the medium.

*At a temperature below -15°C and above +200°C special seals are available on request.

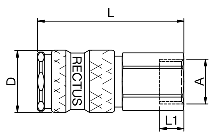
Material	AISI 303	AISI 316 L
Coupling		
Back Body	AISI 303	AISI 316 L
Valve Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Inner Sleeve	AISI 303	AISI 316 L
Spring Plate	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 316	AISI 316
Seals	FKM	FKM
Plug		
Plug	AISI 303	AISI 316 L

Couplings RECTUS Series 25KA



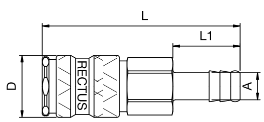
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
G 1/4	19	59,5	23	10,5					AISI 303	25KA AW13 RVX
G 1/4	19	59,5	23	10,5					AISI 316 L	25KA AW13 EVX
G 3/8	19	57,5	23	9					AISI 303	25KA AW17 RVX
G 3/8	19	57,5	23	9					AISI 316 L	25KA AW17 EVX
G 1/2	24	60,5	23	12					AISI 303	25KA AW21 RVX
G 1/2	24	60,5	23	12					AISI 316 L	25KA AW21 EVX
M 18 x 1,5	19	59,5	23	11					AISI 303	25KA AM18 RVX



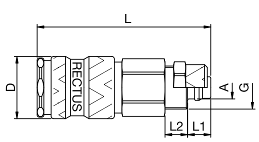
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	55,5	23	10					AISI 303	25KA IW13 RVX
									AISI 316 L	25KA IW13 EVX
G 3/8	19	54,5	23	9					AISI 303	25KA IW17 RVX
									AISI 316 L	25KA IW17 EVX
G 1/2	24	57,5	23	12					AISI 303	25KA IW21 RVX
									AISI 316 L	25KA IW21 EVX



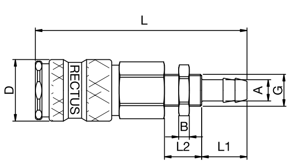
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	73,5	23	25					AISI 303	25KA TF06 RVX
									AISI 316 L	25KA TF06 EVX
8 mm	19	73,5	23	25					AISI 303	25KA TF08 RVX
									AISI 316 L	25KA TF08 EVX
9 mm	19	73,5	23	25					AISI 303	25KA TF09 RVX
									AISI 316 L	25KA TF09 EVX
10 mm	19	73,5	23	25					AISI 303	25KA TF10 RVX
									AISI 316 L	25KA TF10 EVX
13 mm	19	73,5	23	25					AISI 303	25KA TF13 RVX
									AISI 316 L	25KA TF13 EVX



Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 x 8 mm	19	61	23	7	6			M 12 x 1	AISI 303	25KA KO08 RVX
									AISI 316 L	25KA KO08 EVX
8 x 10 mm	19	64,5	23	9	8			M 16 x 1	AISI 303	25KA KO10 RVX
9 x 12 mm	19	64,5	23	9	8			M 16 x 1	AISI 303	25KA KO12 RVX
									AISI 316 L	25KA KO12 EVX



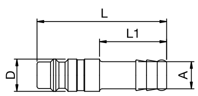
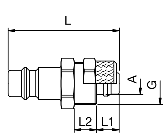
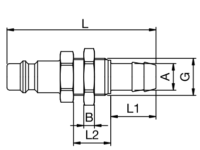
Panel Mount,
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	75,5	23	17	10	17	4	M 12 x 1	AISI 303	25KA TS06 RVX
8 mm	19	79,5	23	17	14	17	4	M 12 x 1	AISI 303	25KA TS08 RVX
10 mm	19	79,5	23	25	14	19	4	M 14 x 1	AISI 303	25KA TS10 RVX

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

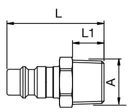
Plugs

RECTUS Series 25KA

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Hose Barb	6 mm		48	12	25					AISI 303	25SF TF06 RXX
										AISI 316 L	25SF TF06 EXX
	8 mm		48	12	25					AISI 303	25SF TF08 RXX
										AISI 316 L	25SF TF08 EXX
	9 mm		48	12	25					AISI 303	25SF TF09 RXX
										AISI 316 L	25SF TF09 EXX
	10 mm		48	12	25					AISI 303	25SF TF10 RXX
										AISI 316 L	25SF TF10 EXX
	13 mm		48	15	25					AISI 303	25SF TF13 RXX
										AISI 316 L	25SF TF13 EXX
 Plastic Hose Connection	4 x 6 mm		34	12	7	6			M 10 x 1	AISI 303	25SF KO06 RXX
										AISI 316 L	25SF KO06 EXX
	6 x 8 mm		34	12	7	6			M 12 x 1	AISI 303	25SF KO08 RXX
										AISI 316 L	25SF KO08 EXX
	8 x 10 mm	17	42		9	8			M 16 x 1	AISI 303	25SF KO10 RXX
 Panel Mount, Hose Barb	6 mm	14	56		17	14	17	4	M 12 x 1	AISI 303	25SF TS06 RXX
	10 mm	17	56		17	14	19	4	M 14 x 1	AISI 303	25SF TS10 RXX

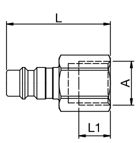
Plugs

RECTUS Series 25KA



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	31		7					AISI 303	25SF AW10 RXX
									AISI 316 L	25SF AW10 EXX
G 1/4	17	33		9					AISI 303	25SF AW13 RXX
									AISI 316 L	25SF AW13 EXX
G 3/8	19	33		9					AISI 303	25SF AW17 RXX
									AISI 316 L	25SF AW17 EXX
G 1/2	24	38		12					AISI 303	25SF AW21 RXX
									AISI 316 L	25SF AW21 EXX
M 18 x 1,5	22	37		11					AISI 303	25SF AM18 RXX



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	30		7					AISI 303	25SF IW10 RXX
									AISI 316 L	25SF IW10 EXX
G 1/4	17	33		10					AISI 303	25SF IW13 RXX
									AISI 316 L	25SF IW13 EXX
G 3/8	19	33		10					AISI 303	25SF IW17 RXX
									AISI 316 L	25SF IW17 EXX
G 1/2	24	35		12					AISI 303	25SF IW21 RXX
									AISI 316 L	25SF IW21 EXX
M 14 x 1,5	17	33		10					AISI 303	25SF IM14 RXX
M 16 x 1,5	19	33		10					AISI 303	25SF IM16 RXX
M 18 x 1,5	22	36		13					AISI 303	25SF IM18 RXX

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

Single Shut-Off

Nominal Diameter

10 = 80 mm²

RECTUS Series

27KA

actual size

Technical Description

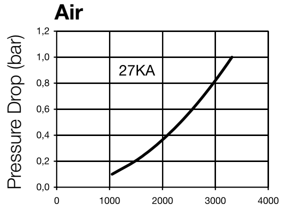
1/2" European industrial profile with UltraFlo technology. High flow performance. Notable for robust design with steel sleeve in use with large pneumatic consumers. Particularly suitable for aggressive media.

Dust Caps (P. 331)

for coupling Part.-No. SK27S
for plug Part.-No. SK16S

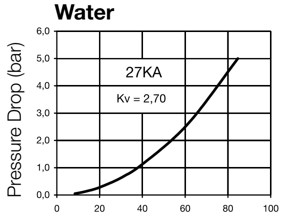
Chart

Air



Flow Rate in l/min

Water



Flow Rate in l/min

Advantages

Single handed operation. Low pressure drop. No damage to the valve body from collar design. High flow valve.

Interchangeability

CEJN 410

Working Pressure

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

Working Temperature*

-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

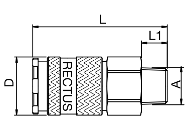
*At a temperature below -15°C and above +200°C special seals are available on request.

Material	AISI 303	AISI 316 L
Coupling		
Back Body	AISI 303	AISI 316 L
Valve Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Inner Sleeve	AISI 303	AISI 316 L
Spring Plate	AISI 303	AISI 316 L
Spring and Lock Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 316	AISI 316
Seals	FKM	FKM
Plug		
Plug	AISI 303	AISI 316 L

You will find the following alternative versions in our current catalogue on page:

- ▶ Stainless Steel Double Shut-off P. 213
- ▶ Safety Self-Venting P. 292
- ▶ Brass/Steel P. 95

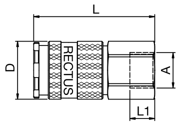
Couplings — RECTUS Series 27KA



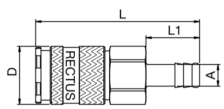
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
G 1/4	24	57,5	27	9					AISI 303	27KA AW13 RVX
G 3/8	24	57,5	27	9					AISI 303	27KA AW 17 RVX
									AISI 316 L	27KA AW17 EVX
G 1/2	24	59,5	27	12					AISI 303	27KA AW21 RVX
									AISI 316 L	27KA AW21 EVX
G 3/4	32	60,5	27	16					AISI 303	27KA AW26 RVX
									AISI 316 L	27KA AW26 EVX

Couplings RECTUS Series 27KA



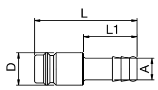
Female Thread



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	24	56,5	27	11					AISI 303	27KA IW17 RVX
									AISI 316 L	27KA IW17 EVX
G 1/2	24	56,5	27	12					AISI 303	27KA IW21 RVX
									AISI 316 L	27KA IW21 EVX
G 3/4	32	60,5	27	16					AISI 303	27KA IW26 RVX
									AISI 316 L	27KA IW26 EVX
8 mm	24	76,5	27	25					AISI 316 L	27KA TF08 EVX
9 mm	24	76,5	27	25					AISI 303	27KA TF09 RVX
									AISI 316 L	27KA TF09 EVX
10 mm	24	76,5	27	25					AISI 316 L	27KA TF10 EVX
13 mm	24	76,5	27	25					AISI 303	27KA TF13 RVX
									AISI 316 L	27KA TF13 EVX
16 mm	24	76,5	27	25					AISI 303	27KA TF16 RVX
									AISI 316 L	27KA TF16 EVX
19 mm	24	76,5	27	25					AISI 303	27KA TF19 RVX
									AISI 316 L	27KA TF19 EVX

Plugs RECTUS Series 27KA



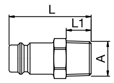
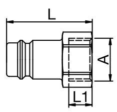
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		48	15	25					AISI 303	27SF TF06 RXX
8 mm		48	15	25					AISI 303	27SF TF08 RXX
									AISI 316 L	27SF TF08 EXX
9 mm		48	15	25					AISI 303	27SF TF09 RXX
									AISI 316 L	27SF TF09 EXX
10 mm		48	15	25					AISI 303	27SF TF10 RXX
									AISI 316 L	27SF TF10 EXX
13 mm		48	15	25					AISI 303	27SF TF13 RXX
									AISI 316 L	27SF TF13 EXX
16 mm		49	18	25					AISI 303	27SF TF16 RXX
									AISI 316 L	27SF TF16 EXX
19 mm		48	15	25					AISI 303	27SF TF19 RXX
									AISI 316 L	27SF TF19 EXX

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

Plugs

RECTUS Series 27KA

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	G 1/4	17	36,5		9					AISI 303	27SF AW13 RXX
										AISI 316 L	27SF AW13 EXX
	G 3/8	19	36,5		9					AISI 303	27SF AW17 RXX
										AISI 316 L	27SF AW17 EXX
	G 1/2	24	40		12					AISI 303	27SF AW21 RXX
										AISI 316 L	27SF AW21 EXX
	G 3/4	32	45		16					AISI 303	27SF AW26 RXX
										AISI 316 L	27SF AW26 EXX
 Female Thread	G 3/8	19	33		9					AISI 303	27SF IW17 RXX
										AISI 316 L	27SF IW17 EXX
	G 1/2	24	37		12					AISI 303	27SF IW21 RXX
										AISI 316 L	27SF IW21 EXX
	G 3/4	32	42		16					AISI 303	27SF IW26 RXX
										AISI 316 L	27SF IW26 EXX

Transport for hazardous goods.

Our dry-break stainless steel coupling system in series 99KL stands up for its robustness and the safety of 8-way coding, which reliably prevents mix-ups.

Parker

RECTUS TEMA

Double Shut-Off

Nominal Diameter

2,7 = 5 mm²

RECTUS Series

20KB

actual size

Technical Description
Mini industrial coupling, internationally used profile. Notable for a high flow and numerous application options with various media. Frequent use in medical technology and chemistry/pharmacy.

Advantages
Single handed operation. Small dimensions. Minimal pressure drop.

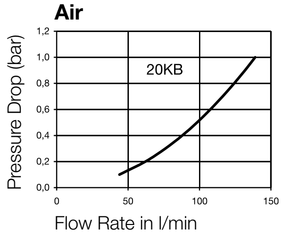
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-15°C up to +200°C (FKM) depending on the medium.

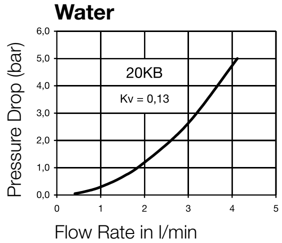
*At a temperature below -15°C and above +200°C special seals are available on request.

Chart

Air



Water



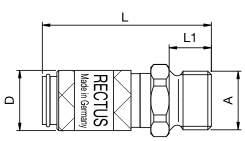
Material	AISI 303	AISI 316 L
Coupling		
Back Body	AISI 303	AISI 316 L
Valve Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 316	AISI 316
Seals	FKM	FKM
Plug		
Plug Profile	AISI 303	AISI 316 L
Back Body	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring	AISI 301	AISI 316 Ti
Seal	FKM	FKM

You will find the following alternative versions in our current catalogue on page:

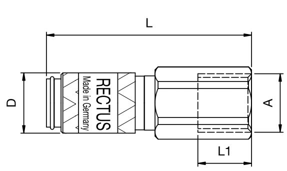
☒ Stainless Steel Single Shut-off P. 182

☒ Brass/Steel Double Shut-off P. 120

Couplings — RECTUS Series 20KB



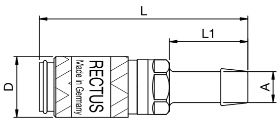
Male Thread



Female Thread

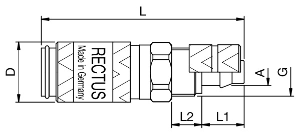
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	M 5	9	26	10	5					AISI 303	20KB AM05 RVX
										AISI 316 L	20KB AM05 EVX
	G 1/8	11	28	10	7					AISI 303	20KB AW10 RVX
										AISI 316 L	20KB AW10 EVX
Female Thread	M 5	9	25	10	5					AISI 303	20KB IM05 RVX
										AISI 316 L	20KB IM05 EVX
	G 1/8	12	28	10	7					AISI 303	20KB IW10 RVX
										AISI 316 L	20KB IW10 EVX

Couplings — RECTUS Series 20KB



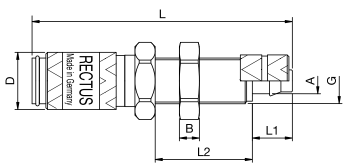
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm		35	10	13					AISI 303	20KB TF03 RVX
4 mm		35	10	13					AISI 303	20KB TF04 RVX
									AISI 316 L	20KB TF04 EVX
5 mm		35	10	13					AISI 303	20KB TF05 RVX



Plastic Hose Connection

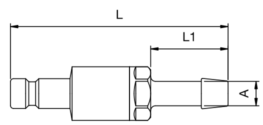
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	9	34	10	7	5			M 7 x 0,5	AISI 303	20KB KO04 RVX
									AISI 316 L	20KB KO04 EVX
3 x 5 mm	9	34	10	7	5			M 7 x 0,5	AISI 303	20KB KO05 RVX
									AISI 316 L	20KB KO05 EVX
4 x 6 mm	9	34	10	7	5			M 8 x 0,5	AISI 303	20KB KO06 RVX
									AISI 316 L	20KB KO06 EVX



Panel Mount,
Plastic Hose Connection

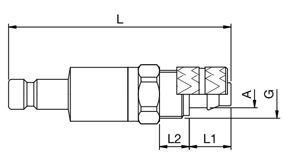
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	12	45	10	7	17	11	3	M 7 x 0,5	AISI 303	20KB KS04 RVX
3 x 5 mm	12	45	10	7	17	11	3	M 7 x 0,5	AISI 303	20KB KS05 RVX
4 x 6 mm	12	45	10	7	17	12	3,5	M 8 x 0,5	AISI 303	20KB KS06 RVX

Valved Plugs — RECTUS Series 20KB



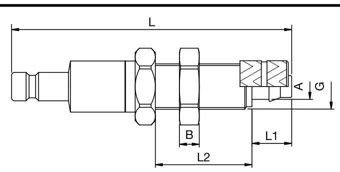
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 mm	8	37		13					AISI 303	20SB TF03 RVX
4 mm	8	37		13					AISI 303	20SB TF04 RVX
									AISI 316 L	20SB TF04 EVX
5 mm	8	37		13					AISI 303	20SB TF05 RVX



Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	9	36		7	5			M 7 x 0,5	AISI 303	20SB KO04 RVX
									AISI 316 L	20SB KO04 EVX
3 x 5 mm	9	36		7	5			M 7 x 0,5	AISI 303	20SB KO05 RVX
									AISI 316 L	20SB KO05 EVX
4 x 6 mm	9	36		7	5			M 8 x 0,5	AISI 303	20SB KO06 RVX
									AISI 316 L	20SB KO06 EVX



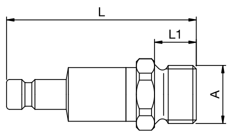
Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
3 x 4 mm	12	47		7	17	11	3	M 7 x 0,5	AISI 303	20SB KS04 RVX
3 x 5 mm	12	47		7	17	11	3	M 7 x 0,5	AISI 303	20SB KS05 RVX
4 x 6 mm	12	47		7	17	12	3,5	M 8 x 0,5	AISI 303	20SB KS06 RVX

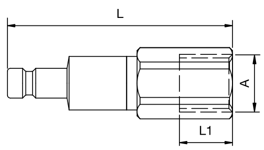
⚠ Please consider our security advices on the pages 12/13 ⚠

Valved Plugs

RECTUS Series 20KB



Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	M 5	9	28		5					AISI 303	20SB AM05 RVX
										AISI 316 L	20SB AM05 EVX
	G 1/8	11	30		7					AISI 303	20SB AW10 RVX
										AISI 316 L	20SB AW10 EVX
Female Thread	M 5	9	27		5					AISI 303	20SB IM05 RVX
										AISI 316 L	20SB IM05 EVX
	G 1/8	12	30		7					AISI 303	20SB IW10 RVX
										AISI 316 L	20SB IW10 EVX

RECTUS Series

303KB

Nominal Diameter

7 mm² = **3**

Double Shut-Off

Technical Description
Mini industrial coupling with plug profile according to ISO 6150 C. Popular profile in analytical and medical technology. Above average flow rate performance for liquid and gaseous media.

Interchangeability
ISO 6150 C

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

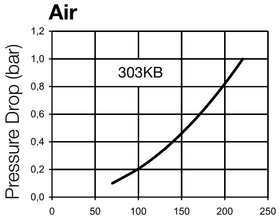
Working Temperature*
-15°C up to +200°C (FKM) depending on the medium.

*At a temperature below -15°C and above +200°C special seals are available on request.

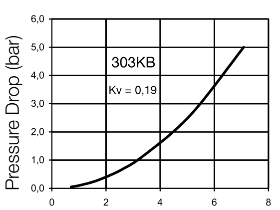
actual size

Chart

Air

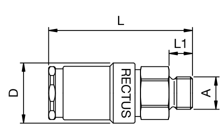


Water

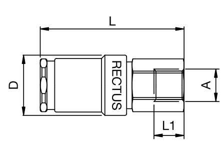


Material	**AISI 316 L**
Coupling	
Back Body	AISI 316 L
Valve Body	AISI 316 L
Sleeve	AISI 316 L
Valve	AISI 316 L
Spring	AISI 316 Ti
Balls, Pins	AISI 316
Seals	FKM
Distance Sleeve	AISI 316 L
Plug	
Plug	AISI 316 L

Couplings — RECTUS Series 303KB



Male Thread

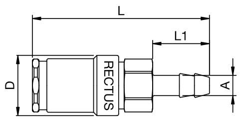


Female Thread

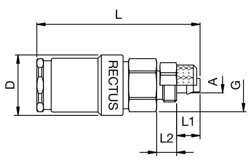
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/8	14	43	18	7					AISI 316 L	303KB AW10 EVX
Male Thread	G 1/4	17	45	18	9					AISI 316 L	303KB AW13 EVX
Female Thread	G 1/8	14	43	18	9					AISI 316 L	303KB IW10 EVX
Female Thread	G 1/4	17	45	18	9					AISI 316 L	303KB IW13 EVX

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

Couplings — RECTUS Series 303KB



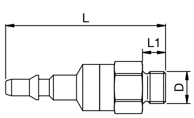
Hose Barb



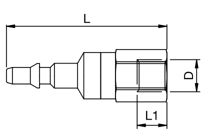
Plastic Hose Connection

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Hose Barb	4 mm	14	53	18	17					AISI 316 L	303KB TF04 EVX
Hose Barb	6 mm	14	53	18	17					AISI 316 L	303KB TF06 EVX
Plastic Hose Connection	4 x 6 mm	14	49	18	7	6	12		M 10 x 1	AISI 316 L	303KB KO06 EVX
Plastic Hose Connection	6 x 8 mm	14	49	18	7	6	14		M 12 x 1	AISI 316 L	303KB KO08 EVX

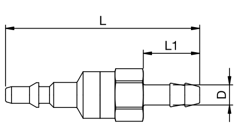
Valved Plugs — RECTUS Series 303KB



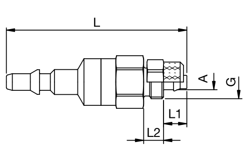
Male Thread



Female Thread



Hose Barb



Plastic Hose Connection

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/8	14	48,5		7					AISI 316 L	303SB AW10 EVX
Male Thread	G 1/4	17	50,5		9					AISI 316 L	303SB AW13 EVX
Female Thread	G 1/8	14	48,5		9					AISI 316 L	303SB IW10 EVX
Female Thread	G 1/4	17	50,5		9					AISI 316 L	303SB IW13 EVX
Hose Barb	4 mm	14	58,5		17					AISI 316 L	303SB TF04 EVX
Hose Barb	6 mm	14	58,5		17					AISI 316 L	303SB TF06 EVX
Plastic Hose Connection	4 x 6 mm	14	54,5		7	6	12		M 10 x 1	AISI 316 L	303SB KO06 EVX
Plastic Hose Connection	6 x 8 mm	14	54,5		7	6	14		M 12 x 1	AISI 316 L	303SB KO08 EVX

RECTUS Series

21KB

Nominal Diameter

20 mm² = **5**

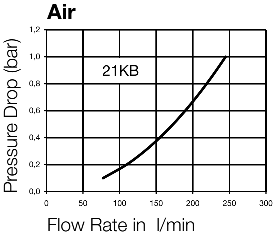
Double Shut-Off

Technical Description
Mini industrial coupling, internationally the most common profile for this nominal diameter, in double shut-off design. Above average flow performance for liquid and gaseous media. Large band width in materials and valve variants.

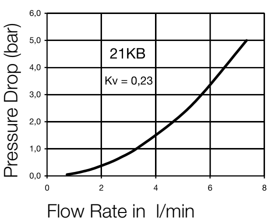
Dust Caps (P. 323)
for coupling Part.-No. SK16S

Chart

Air



Water



Advantages
Single handed operation.
Small dimensions.

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

Working Temperature*
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

*At a temperature below -15°C and above +200°C special seals are available on request.

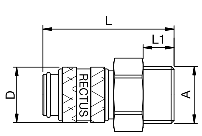
actual size

Material	AISI 303	AISI 316 L
Coupling		
Back Body	AISI 303	AISI 316 L
Valve Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 420	AISI 316
Seals	FKM	FKM
Plug		
Plug Profile	AISI 303	AISI 306 L
Back Body	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring	AISI 301	AISI 316 Ti
Seal	FKM	FKM

You will find the following alternative versions in our current catalogue on page:

- ☒ Stainless Steel Single Shut-off P. 185
- ☒ Stainless Steel Dry-Break P. 224
- ☒ Thermoplastics P. 242
- ☒ Brass/Steel Double Shut-off P. 125
- ☒ Safety P. 276
- ☒ Coded Systems P. 300

Couplings — RECTUS Series 21KB

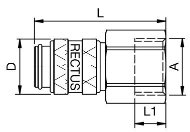


Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	7					AISI 303	21KB AW10 RVX
									AISI 316 L	21KB AW10 EVX
G 1/4	17	38	16	9					AISI 303	21KB AW13 RVX
									AISI 316 L	21KB AW13 EVX
G 3/8	19	38	16	9					AISI 303	21KB AW17 RVX
									AISI 316 L	21KB AW17 EVX

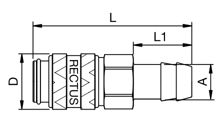
⚠ Please consider our security advices on the pages 12/13 ⚠

Couplings — RECTUS Series 21KB



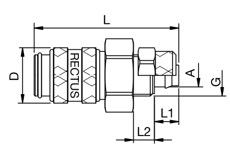
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	9					AISI 303	21KB IW10 RVX
									AISI 316 L	21KB IW10 EVX
G 1/4	17	38	16	9					AISI 303	21KB IW13 RVX
									AISI 316 L	21KB IW13 EVX
G 3/8	19	38	16	9					AISI 303	21KB IW17 RVX
									AISI 316 L	21KB IW17 EVX



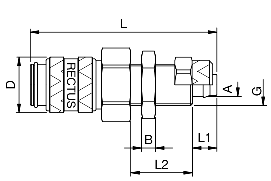
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	46	16	17					AISI 303	21KB TF04 RVX
									AISI 316 L	21KB TF04 EVX
5 mm	14	46	16	17					AISI 303	21KB TF05 RVX
6 mm	14	46	16	17					AISI 303	21KB TF06 RVX
									AISI 316 L	21KB TF06 EVX
8 mm	14	46	16	17					AISI 303	21KB TF08 RVX
									AISI 316 L	21KB TF08 EVX
9 mm	14	46	16	17					AISI 303	21KB TF09 RVX
									AISI 316 L	21KB TF09 EVX
10 mm	14	46	16	17					AISI 303	21KB TF10 RVX
									AISI 316 L	21KB TF10 EVX
6 mm Parker	14	50	16	20					AISI 303	21KB TP06 RVX



Plastic Hose Connection

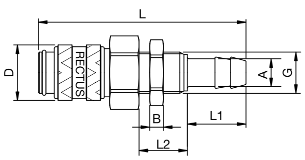
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	42	16	7	6			M 10 x 1	AISI 303	21KB KO06 RVX
									AISI 316 L	21KB KO06 EVX
6 x 8 mm	14	42	16	7	6			M 12 x 1	AISI 303	21KB KO08 RVX
									AISI 316 L	21KB KO08 EVX



Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	54	16	7	18	14	4	M 10 x 1	AISI 303	21KB KS06 RVX
									AISI 316 L	21KB KS06 EVX
6 x 8 mm	17	54	16	7	18	14	4	M 12 x 1	AISI 303	21KB KS08 RVX

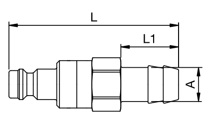
Couplings — RECTUS Series 21KB



Panel Mount,
Hose Barb

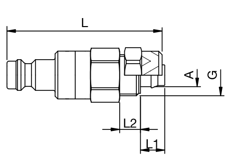
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
8 mm	17	60	16	17	14	17	4	M 12 x 1	AISI 303	21KB TS08 RVX

Valved Plugs — RECTUS Series 21KB



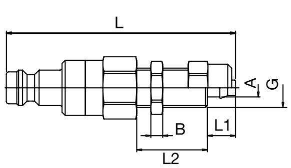
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	14	50		17					AISI 303	21SB TF06 RVX
									AISI 316 L	21SB TF06 EVX
8 mm	14	50		17					AISI 303	21SB TF08 RVX
									AISI 316 L	21SB TF08 EVX
9 mm	14	50		17					AISI 303	21SB TF09 RVX
									AISI 316 L	21SB TF09 EVX
10 mm	14	50		17					AISI 303	21SB TF10 RVX
									AISI 316 L	21SB TF10 EVX
6 mm Parker	14	54		20					AISI 303	21SB TP06 RVX



Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	46		7	6			M 10 x 1	AISI 303	21SB KO06 RVX
									AISI 316 L	21SB KO06 EVX
6 x 8 mm	14	46		7	6			M 12 x 1	AISI 303	21SB KO08 RVX
									AISI 316 L	21SB KO08 EVX

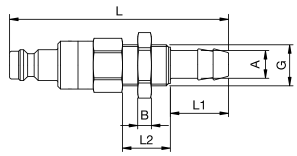


Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	58		7	18	12	3	M 10 x 1	AISI 303	21SB KS06 RVX
									AISI 316 L	21SB KS06 EVX
6 x 8 mm	17	58		7	18	17	4	M 12 x 1	AISI 303	21SB KS08 RVX

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

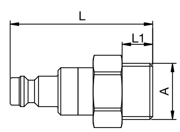
Valved Plugs — RECTUS Series 21KB



Panel Mount,
Hose Barb

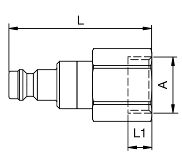
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	17	64		17	14	17	4	M 12 x 1	AISI 303	21SB TS06 RVX
9 mm	17	64		17	14	17	4	M 12 x 1	AISI 303	21SB TS09 RVX
10 mm	17	61		17	11	17	3,5	G 1/4	AISI 303	21SB TS10 RVX

Valved Plugs — RECTUS Series 21KB



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	40		7					AISI 303	21SB AW10 RVX
									AISI 316 L	21SB AW10 EVX
G 1/4	17	42		9					AISI 303	21SB AW13 RVX
									AISI 316 L	21SB AW13 EVX
G 3/8	19	42		9					AISI 303	21SB AW17 RVX
									AISI 316 L	21SB AW17 EVX
M 14 x 1,5	17	43		10					AISI 303	21SB AM14 RVX



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	40		9					AISI 303	21SB IW10 RVX
									AISI 316 L	21SB IW10 EVX
G 1/4	17	42		9					AISI 303	21SB IW13 RVX
									AISI 316 L	21SB IW13 EVX
G 3/8	19	42		9					AISI 303	21SB IW17 RVX
									AISI 316 L	21SB IW17 EVX
M 10 x 1	14	40		9					AISI 303	21SB IM10 RVX
M 12 x 1,5	17	42		9					AISI 303	21SB IM12 RVX
M 14 x 1,5	17	42		9					AISI 303	21SB IM14 RVX

RECTUS Series

25KB

Nominal Diameter

42 mm² = **7,4**

Double Shut-Off

Technical Description

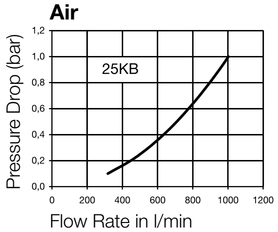
3/8" - 1/2" European industrial profile with UltraFlo techno-logy. High flow performance. Notable for robust design and steel sleeve used with large pneumatic consumers. Optimum use with liquids and aggressive media.

Dust Caps (P. 323)

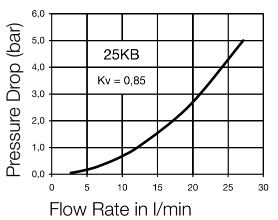
for coupling	Part.-No. SK23S
for plug	Part.-No. SK12S

Chart

Air



Water



Advantages

Single handed operation. Robust design. High flow valve. No damage to the valve body from collar design.

Working Pressure

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

Working Temperature*

-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

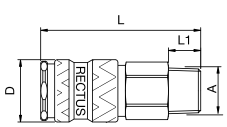
*At a temperature below -15°C and above +200°C special seals are available on request.

Material	**AISI 303**	**AISI 316 L**
Coupling		
Back Body	AISI 303	AISI 316 L
Valve Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 316	AISI 316 L
Seals	FKM	FKM
Inner Sleeve	AISI 303	AISI 316 L
Spring Plate	AISI 303	AISI 316 L
Plug		
Plug Profile	AISI 303	AISI 316 L
Back Body	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring	AISI 301	AISI 316 Ti
Seal	FKM	FKM

You will find the following alternative versions in our current catalogue on page:

☒ Stainless Steel Single Shut-off	P. 192
☒ Stainless Steel Dry-Break	P. 230
☒ Brass/Steel Double Shut-off	P. 139
☒ Safety	P. 278
☒ Safety Self-Venting	P. 290
☒ Coded Systems	P. 303

Couplings — RECTUS Series 25KB



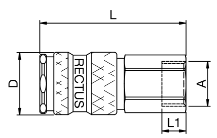
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	59,5	23	10,5					AISI 303	25KB AW13 RVX
									AISI 316 L	25KB AW13 EVX
G 3/8	19	57,5	23	9					AISI 303	25KB AW17 RVX
									AISI 316 L	25KB AW17 EVX
G 1/2	24	60,5	23	12					AISI 303	25KB AW21 RVX
									AISI 316 L	25KB AW21 EVX
M 16 x 1,5	19	59	23	10,5					AISI 303	25KB AM16 RVX
									AISI 316 L	25KB AM16 EVX

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

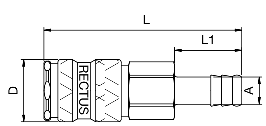
Couplings

RECTUS Series 25KB



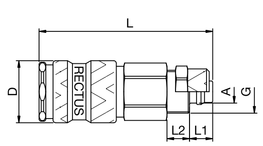
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	55,5	23	10					AISI 303	25KB IW13 RVX
									AISI 316 L	25KB IW13 EVX
G 3/8	19	54,5	23	9					AISI 303	25KB IW17 RVX
									AISI 316 L	25KB IW17 EVX
G 1/2	24	57,5	23	12					AISI 303	25KB IW21 RVX
									AISI 316 L	25KB IW21 EVX
M 14 x 1,5	19	54,5	23	9					AISI 303	25KB IM14 RVX
M 16 x 1,5	19	54,5	23	9					AISI 303	25KB IM16 RVX
M 18 x 1,5	22	54,5	23	9					AISI 303	25KB IM18 RVX



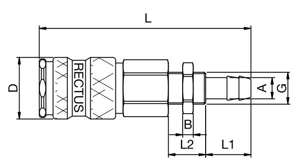
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	73,5	23	25					AISI 303	25KB TF06 RVX
									AISI 316 L	25KB TF06 EVX
8 mm	19	73,5	23	25					AISI 303	25KB TF08 RVX
									AISI 316 L	25KB TF08 EVX
9 mm	19	73,5	23	25					AISI 303	25KB TF09 RVX
									AISI 316 L	25KB TF09 EVX
10 mm	19	73,5	23	25					AISI 303	25KB TF10 RVX
									AISI 316 L	25KB TF10 EVX
13 mm	19	73,5	23	25					AISI 303	25KB TF13 RVX
									AISI 316 L	25KB TF13 EVX



Plastic Hose Connection

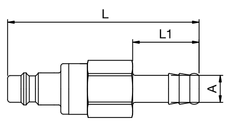
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 x 8 mm	19	61	23	7	6			M 12 x 1	AISI 303	25KB KO08 RVX
									AISI 316 L	25KB KO08 EVX
8 x 10 mm	19	64,5	23	9	8			M 16 x 1	AISI 303	25KB KO10 RVX
9 x 12 mm	19	64,5	23	9	8			M 16 x 1	AISI 303	25KB KO12 RVX
									AISI 316 L	25KB KO12 EVX



Panel Mount,
Hose Barb

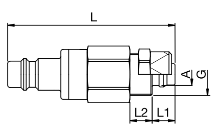
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
10 mm	19	79,5	23	25	14	19	4	M 14 x 1	AISI 303	25KB TS10 RVX

Valved Plugs — RECTUS Series 25KB



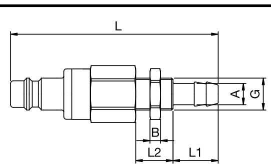
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	72		25					AISI 303	25SB TF06 RVX
									AISI 316 L	25SB TF06 EVX
8 mm	19	72		25					AISI 303	25SB TF08 RVX
									AISI 316 L	25SB TF08 EVX
9 mm	19	72		25					AISI 303	25SB TF09 RVX
									AISI 316 L	25SB TF09 EVX
10 mm	19	72		25					AISI 303	25SB TF10 RVX
									AISI 316 L	25SB TF10 EVX
13 mm	19	72		25					AISI 303	25SB TF13 RVX
									AISI 316 L	25SB TF13 EVX



Plastic Hose Connection

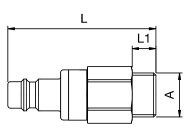
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	19	59		7	6			M 10 x 1	AISI 303	25SB KO06 RVX
6 x 8 mm	19	59		7	6			M 12 x 1	AISI 303	25SB KO08 RVX
									AISI 316 L	25SB KO08 EVX
8 x 10 mm	19	63		8,5	8,5			M 16 x 1	AISI 303	25SB KO10 RVX
9 x 12 mm	19	63		8,5	8,5			M 16 x 1	AISI 303	25SB KO12 RVX
									AISI 316 L	25SB KO12 EVX



Panel Mount,
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	74		17	10	17	4	M 12 x 1	AISI 303	25SB TS06 RVX
8 mm	19	78		17	14	17	4	M 12 x 1	AISI 303	25SB TS08 RVX
10 mm	19	78		17	14	19	4	M 14 x 1	AISI 303	25SB TS10 RVX

Valved Plugs — RECTUS Series 25KB

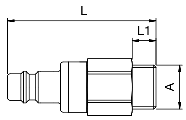


Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	19	54		7					AISI 303	25SB AW10 RVX
									AISI 316 L	25SB AW10 EVX
G 1/4	19	58		10,5					AISI 303	25SB AW13 RVX
									AISI 316 L	25SB AW13 EVX
G 3/8	19	56		9					AISI 303	25SB AW17 RVX
									AISI 316 L	25SB AW17 EVX
G 1/2	24	59		12					AISI 303	25SB AW21 RVX
									AISI 316 L	25SB AW21 EVX

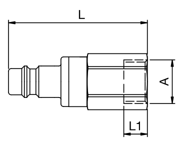
⚠ Please consider our security advices on the pages 12/13 ⚠

Valved Plugs RECTUS Series 25KB



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 16 x 1,5	19	57,5		10,5					AISI 303	25SB AM16 RVX
									AISI 316 L	25SB AM16 EVX
M 18 x 1,5	19	58		11					AISI 303	25SB AM 18 RVX



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	54		10					AISI 303	25SB IW13 RVX
									AISI 316 L	25SB IW13 EVX
G 3/8	19	53		9					AISI 303	25SB IW17 RVX
									AISI 316 L	25SB IW17 EVX
G 1/2	24	56		12					AISI 303	25SB IW21 RVX
									AISI 316 L	25SB IW21 EVX
M 18 x 1,5	22	53		9					AISI 303	25SB IM18 RVX

27KB

Nominal Diameter

80 mm² = 10

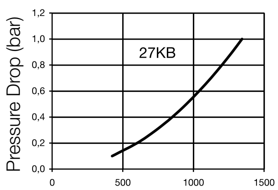
Double Shut-Off

Technical Description
1/2” European industrial profile with UltraFlo technology. High flow performance. Notable for robust design with steel sleeve in use with large pneumatic consumers. Particularly suitable for aggressive media.

Dust Caps (P. 323)
for coupling Part.-No. SK27S

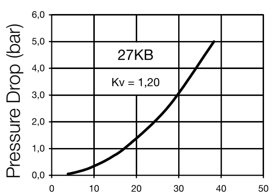
Chart

Air



Flow Rate in l/min

Water



Flow Rate in l/min

Advantages
Single handed operation. Low pressure drop. No damage to the valve body from collar design. High flow valve.

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

Working Temperature*
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

*At a temperature below -15°C and above +200°C special seals are available on request.

90% of actual size

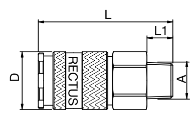
Material

Coupling	**AISI 303**	**AISI 316 L**
Back Body	AISI 303	AISI 316 L
Valve Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 316	AISI 316
Seals	FKM	FKM
Inner Sleeve	AISI 303	AISI 316 L
Spring Plate	AISI 303	AISI 316 L
Plug		
Plug Profile	AISI 303	AISI 316 L
Back Body	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring	AISI 301	AISI 316 Ti
Seal	FKM	FKM

You will find the following alternative versions in our current catalogue on page:

☒ Stainless Steel Single Shut-off P. 196
☒ Brass/Steel Double Shut-off P. 145
☒ Safety Self-Venting P. 292

Couplings — RECTUS Series 27KB

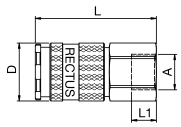


Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	24	57,5	27	9					AISI 303	27KB AW13 RVX
G 3/8	24	57,5	27	9					AISI 303	27KB AW17 RVX
									AISI 316 L	27KB AW17 EVX
G 1/2	24	59,5	27	12					AISI 303	27KB AW21 RVX
									AISI 316 L	27KB AW21 EVX
G 3/4	32	60,5	27	16					AISI 303	27KB AW26 RVX
									AISI 316 L	27KB AW26 EVX

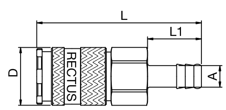
⚠ Please consider our security advices on the pages 12/13 ⚠

Couplings — RECTUS Series 27KB



Female Thread

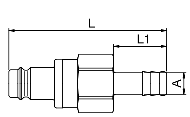
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	24	56,5	27	10					AISI 316 L	27KB IW13 EVX
G 3/8	24	56,5	27	11					AISI 303	27KB IW17 RVX
									AISI 316 L	27KB IW17 EVX
G 1/2	24	56,5	27	12					AISI 303	27KB IW21 RVX
									AISI 316 L	27KB IW21 EVX
G 3/4	32	60,5	27	16					AISI 303	27KB IW26 RVX
									AISI 316 L	27KB IW26 EVX



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
13 mm	24	76,5	27	25					AISI 303	27KB TF13 RVX
									AISI 316 L	27KB TF13 EVX
16 mm	24	76,5	27	25					AISI 303	27KB TF16 RVX
									AISI 316 L	27KB TF16 EVX
19 mm	24	76,5	27	25					AISI 303	27KB TF19 RVX
									AISI 316 L	27KB TF19 EVX

Valved Plugs — RECTUS Series 27KB



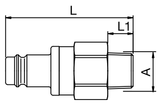
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
9 mm	24	74,5		25					AISI 303	27SB TF09 RVX
									AISI 316 L	27SB TF09 EVX
13 mm	24	74,5		25					AISI 303	27SB TF13 RVX
									AISI 316 L	27SB TF13 EVX
16 mm	24	74,5		25					AISI 303	27SB TF16 RVX
									AISI 316 L	27SB TF16 EVX
19 mm	24	74,5		25					AISI 303	27SB TF19 RVX
									AISI 316 L	27SB TF19 EVX

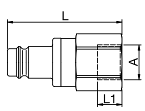
Valved Plugs

RECTUS Series 27KB

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/4	24	55,5		9					AISI 303	27SB AW13 RVX
	G 3/8	24	55,5		9					AISI 303	27SB AW17 RVX
										AISI 316 L	27SB AW17 EVX
	G 1/2	24	57,5		12					AISI 303	27SB AW21 RVX
										AISI 316 L	27SB AW21 EVX
	G 3/4	32	58,5		16					AISI 303	27SB AW26 RVX
										AISI 316 L	27SB AW26 EVX
Female Thread	G 1/4	24	54,5		10					AISI 303	27SB IW13 RVX
										AISI 316 L	27SB IW13 EVX
	G 3/8	24	54,5		10					AISI 303	27SB IW17 RVX
										AISI 316 L	27SB IW17 EVX
	G 1/2	24	54,5		12					AISI 303	27SB IW21 RVX
										AISI 316 L	27SB IW21 EVX
	G 3/4	32	58,5		16					AISI 303	27SB IW26 RVX
										AISI 316 L	27SB IW26 EVX



Male Thread



Female Thread

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

Double Shut-Off

Nominal Diameter

4,3 = 15 mm²

RECTUS Series

71KB

actual size

Technical Description
Smallest dimensions for a couplings series according to ISO 7241-1 series B. Particularly suitable for use with liquid media. This is a two-hand operation coupling system, i.e. the sleeve must be pushed back manually when coupling.

Advantages
High flow rate – marginal pressure drop. Plug Profile according to ISO-Norm.

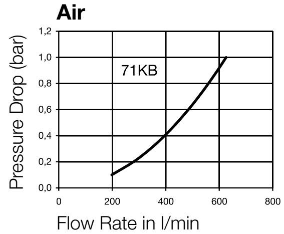
Working Pressure
PB = 250 bar maximum static working pressure until 50°C with safety factor of 4 to 1.

Working Temperature*
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

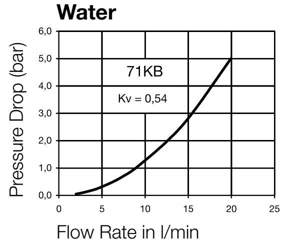
*At a temperature below -15°C and above +200°C special seals are available on request.

Chart

Air



Water

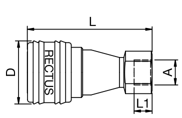


Material	AISI 303	AISI 316 L
Coupling		
Back Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 316	AISI 316
Seals	FKM	FKM
Spring Plate	AISI 301	AISI 316 L
Plug		
Plug Profile	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring	AISI 301	AISI 316 Ti
Spring Plate	AISI 301	AISI 316 L
Seal	FKM	FKM

You will find the following alternative versions in our current catalogue on page:

☒ Thermoplastics P. 256
☒ Brass/Steel Double Shut-off P. 124

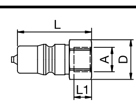
Couplings — RECTUS Series 71KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	48,5	25	7					AISI 303	71KB IW10 RVX
									AISI 316 L	71KB IW10 EVX

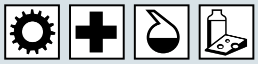
Valved Plugs — RECTUS Series 71KB



Female Thread

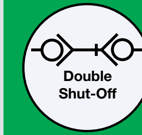
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	29,5			7				AISI 303	71SB IW10 RVX
									AISI 316 L	71SB IW10 EVX

72KB



Nominal Diameter

30 mm² = **6**



Technical Description
Couplings series according to ISO 7241-1 series B. Particularly suitable for use with liquid media. This is a two-hand operation coupling system, i.e. the sleeve must be pushed back manually when coupling.

Advantages
High flow rate – marginal pressure drop. Plug Profile according to ISO-Norm.

Working Pressure
PB = 250 bar, maximum static working pressure until 50°C with safety factor of 4 to 1.

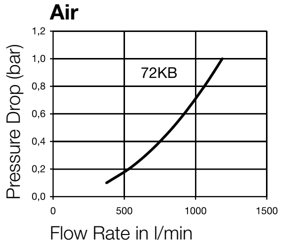
Working Temperature*
-15°C up to +200°C (FKM)
0°C up to +316 °C (FFKM)
depending on the medium.

*At a temperature below -15°C and above +200°C special seals are available on request.

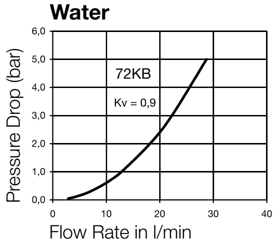
actual size

Chart

Air



Water



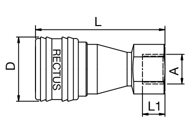
Material	**AISI 303**	**AISI 316 L**
Coupling		
Back Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 316	AISI 316
Seals	FKM	FKM
Spring Plate	AISI 301	AISI 316 L
Plug		
Plug Profile	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring	AISI 301	AISI 316 Ti
Spring Plate	AISI 301	AISI 316 L
Seal	FKM	FKM

You will find the following alternative versions in our current catalogue on page:

☒ Thermoplastics P. 257

☒ Brass/Steel Double Shut-off P. 134

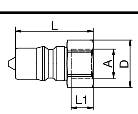
Couplings — RECTUS Series 72KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	57,5	29	10					AISI 303	72KB IW13 RVX
									AISI 316 L	72KB IW13 EVX

Valved Plugs — RECTUS Series 72KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	35		10					AISI 303	72SB IW13 RVX
									AISI 316 L	72SB IW13 EVX

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

Double Shut-Off

Nominal Diameter
7,5 = 44 mm²

RECTUS Series
73KB

90% of actual size

Technical Description
Couplings series according to ISO 7241-1 series B. Particularly suitable for use with liquid media. This is a two-hand operation coupling system, i.e. the sleeve must be pushed back manually when coupling.

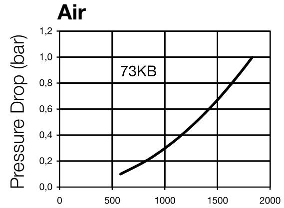
Advantages
High flow rate – marginal pressure drop. Plug Profile according to ISO-Norm.

Working Pressure
PB = 250 bar, maximum static working pressure until 50°C with safety factor of 4 to 1.

Working Temperature*
-15°C up to +200°C (FKM)
0°C up to +316 °C (FFKM)
depending on the medium.

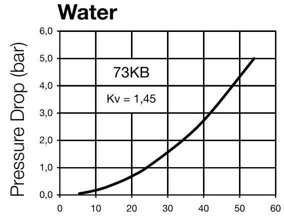
*At a temperature below -15°C and above +200°C special seals are available on request.

Chart
Air



Flow Rate in l/min

Water



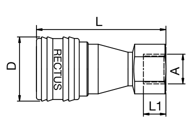
Flow Rate in l/min

You will find the following alternative versions in our current catalogue on page:

☒ Thermoplastics P. 258
☒ Brass/Steel Double Shut-off P. 144

Material	**AISI 303**	**AISI 316 L**
Coupling		
Back Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 316	AISI 316
Seals	FKM	FKM
Spring Plate	AISI 301	AISI 316 L
Plug		
Plug Profile	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring	AISI 301	AISI 316 Ti
Spring Plate	AISI 301	AISI 316 L
Seal	FKM	FKM

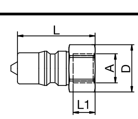
Couplings — RECTUS Series 73KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	22	64	35	11,5					AISI 303	73KB IW17 RVX
									AISI 316 L	73KB IW17 EVX

Valved Plugs — RECTUS Series 73KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	22	39		11,5					AISI 303	73SB IW17 RVX
									AISI 316 L	73SB IW17 EVX

74KB

Nominal Diameter

95 mm² = **11**

Double Shut-Off

Technical Description
Couplings series according to ISO 7241-1 series B. Particularly suitable for use with liquid media. This is a two-hand operation coupling system, i.e. the sleeve must be pushed back manually when coupling.

Advantages
High flow rate – marginal pressure drop. Plug Profile according to ISO-Norm.

Working Pressure
PB = 250 bar, maximum static working pressure until 50°C with safety factor of 4 to 1.

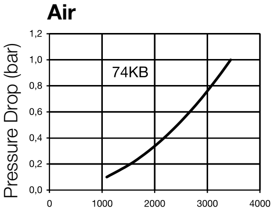
Working Temperature
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

*At a temperature below -15°C and above +200°C special seals are available on request.

75% of actual size

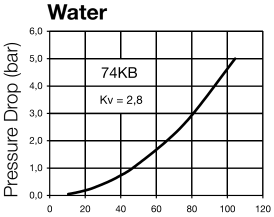
Chart

Air



Flow Rate in l/min

Water



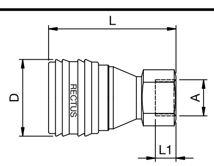
Flow Rate in l/min

Material	**AISI 303**	**AISI 316 L**
Coupling		
Back Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 316	AISI 316
Seals	FKM	FKM
Spring Plate	AISI 316 L	AISI 316 L
Plug		
Plug Profile	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring	AISI 301	AISI 316 Ti
Spring Plate	AISI 316 L	AISI 316 L
Seal	FKM	FKM

You will find the following alternative versions in our current catalogue on page:

☒ Thermoplastics P. 259
☒ Brass/Steel Double Shut-off P. 150

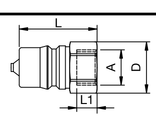
Couplings — RECTUS Series 74KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	27	76	44,5	16					AISI 303	74KB IW21 RVX
									AISI 316 L	74KB IW21 EVX

Valved Plugs — RECTUS Series 74KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	27	48		16					AISI 303	74SB IW21 RVX
									AISI 316 L	74SB IW21 EVX

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

Double Shut-Off

Nominal Diameter
13 = 133 mm^2

RECTUS Series
75KB

60% of actual size

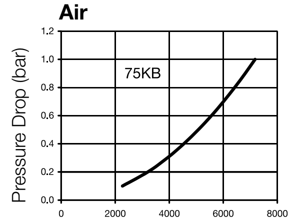
You will find the following alternative versions in our current catalogue on page:

☒ Thermoplastics P. 260
☒ Brass/Steel Double Shut-off P. 154

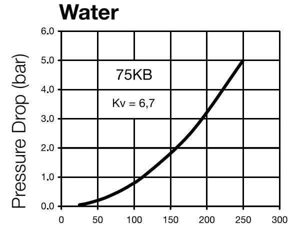
Technical Description
Couplings series according to ISO 7241-1 series B. Particularly suitable for use with liquid media. This is a two-hand operation coupling system, i.e. the sleeve must be pushed back manually when coupling.

Chart

Air



Water



Advantages
High flow rate – marginal pressure drop. Plug Profile according to ISO-Norm.

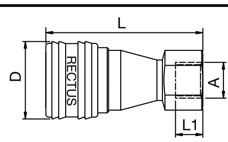
Working Pressure
PB =160 bar maximum static working pressure until 50°C with safety factor of 4 to 1.

Working Temperature*
-15°C up to+200°C (FKM)
0°C bis +316°C (FFKM)
depending on the medium.

*At a temperature below -15°C and above +200°C special seals are available on request.

Material	AISI 303	AISI 316 L
Coupling		
Back Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 316	AISI 316
Seals	FKM	FKM
Spring Plate	AISI 301	AISI 316 L
Plug		
Plug Profile	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring	AISI 301	AISI 316 Ti
Spring Plate	AISI 301	AISI 316 L
Seal	FKM	FKM

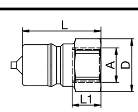
Couplings — RECTUS Series 75KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/4	34	96	55	24					AISI 303	75KB IW26 RVX
									AISI 316 L	75KB IW26 EVX

Valved Plugs — RECTUS Series 75KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/4	36	60		24					AISI 303	75SB IW26 RVX
									AISI 316 L	75SB IW26 EVX

RECTUS Series

76KB

Nominal Diameter

314 mm² = **20**

Double Shut-Off

Stainless Steel

Low Pressure

Technical Description
Couplings series according to ISO 7241-1 series B. Particularly suitable for use with liquid media. This is a two-hand operation coupling system, i.e. the sleeve must be pushed back manually when coupling.

Advantages
High flow rate – marginal pressure drop. Plug Profile according to ISO-Norm.

Working Pressure
PB =100 bar, maximum static working pressure until 50°C with safety factor of 4 to 1.

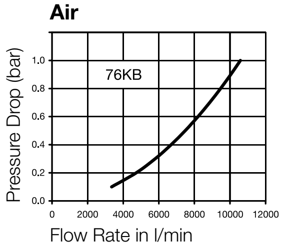
Working Temperature*
-15°C up to+200°C (FKM)
0°C bis +316°C (FFKM)
depending on the medium.

*At a temperature below -15°C and above +200°C special seals are available on request.

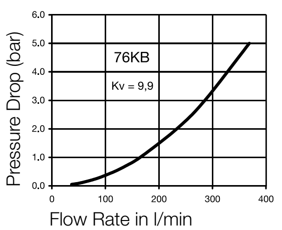
55% of actual size

Chart

Air



Water

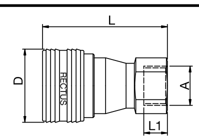


Material	**AISI 303**	**AISI 316 L**
Coupling		
Back Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 316 L	AISI 316 Ti
Locking Balls	AISI 316	AISI 316
Seals	FKM	FKM
Spring and Locking Ring	AISI 301	AISI 316 L
Plug		
Plug Profile	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 316 L	AISI 316 Ti
Spring Plate	AISI 301	AISI 316 L
Seal	FKM	FKM

You will find the following alternative versions in our current catalogue on page:

☒ Thermoplastics P. 261
☒ Brass/Steel Double Shut-off P. 160

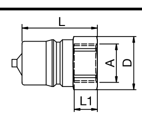
Couplings — RECTUS Series 76KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1	41	105,5	62	24					AISI 303	76KB IW33 RVX
									AISI 316 L	76KB IW33 EVX

Valved Plugs — RECTUS Series 76KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1	14	43	18	7					AISI 303	76SB IW33 RVX
									AISI 316 L	76SB IW33 EVX

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

Dry-Break

Nominal Diameter

4 = 12,5 mm²

RECTUS Series

204KL

actual size

reddot design award
winner 2007

You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Dry-Break P. 162

Technical Description

Dry-break coupling systems, which stand out for their extremely low leakage rates and a minimum volume of dead space. No air locks whatsoever during connecting and negligible film of channelled medium on the valve bodies when disconnecting. Coupling systems for applications in sensitive environments, such as in analysis technology, cooling circuits, transport systems and many applications with aggressive medium.

Advantages

Single-handed operation. Easy handling. Ergonomic sleeve shape. Optimised size. Low connecting forces. Valve body protected by collar design.

Extremely low dead volume remaining.

Interchangeability

RECTUS Design

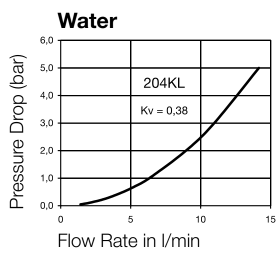
Working Pressure

PB = 15 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*

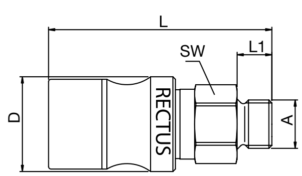
-15°C up to +200°C (FKM)
Other sealing materials available on request.

Chart

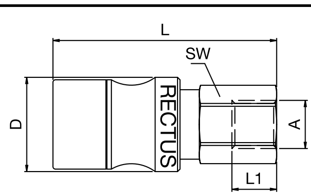


Material	**AISI 316 L**
Coupling	
Back Body	AISI 316 L
Valve Body	AISI 316 L
Sleeve	AISI 316 L
Valve	AISI 316 L
Spring and Locking Ring	AISI 316 Ti
Locking Balls	AISI 316
Seals	FKM
Plug	
Plug Profile	AISI 316 L
Back Body	AISI 316 L
Valve	AISI 316 L
Spring	AISI 316 Ti
Seal	FKM

Couplings — RECTUS Series 204KL



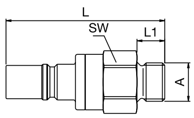
Male Thread



Female Thread

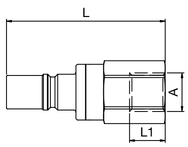
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/8	14	45	19	7					AISI 316 L	204KL AW10 EVX
Male Thread	G 1/4	17	47	19	9					AISI 316 L	204KL AW13 EVX
Female Thread	G 1/8	14	45	19	9					AISI 316 L	204KL IW10 EVX
Female Thread	G 1/4	17	47	19	9					AISI 316 L	204KL IW13 EVX

Valved Plugs — RECTUS Series 204KL



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	
G 1/8	14	40		7					AISI 316 L	204SL AW10 EVX	
G 1/4	17	42		9					AISI 316 L	204SL AW13 EVX	



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number	
G 1/8	14	40		9					AISI 316 L	204SL IW10 EVX	
G 1/4	17	42		9					AISI 316 L	204SL IW13 EVX	

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

Dry-Break

Nominal Diameter

5 = 20 mm²

RECTUS Series

21KL

actual size

Technical Description

Mini industrial coupling, internationally the most common profile for this nominal diameter, in double shut-off design. Above average flow performance for liquid and gaseous media. Large band width in materials and valve variants. To be used in small applications like laboratories and chemical processes with aggressive mediums.

Dust Caps (P. 331)
for coupling Part.-No. SK16S

Advantages

Single handed operation. Small dimensions. Minimum (hardly noticeable) leakage occurs when disconnecting. Air is not trapped in during the connecting process.

Working Pressure

PB = 8 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*

-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

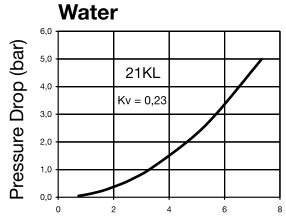
*At a temperature below -15°C and above +200°C special seals are available on request.

Material	**AISI 303**	**AISI 316 L**
Coupling		
Back Body	AISI 303	AISI 316 L
Valve Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 316	AISI 316
Seals	FKM	FKM
Inner Sleave	AISI 303	AISI 316 L
Seal bonnet	AISI 303	AISI 316 L
Plug		
Plug Profile	AISI 303	AISI 316 L
Back Body	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring	AISI 301	AISI 316 Ti
Seal	FKM	FKM

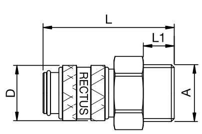
You will find the following alternative versions in our current catalogue on page:

- Stainless Steel Single Shut-off P. 185
- Stainless Steel Double Shut-off P. 205
- Thermoplastics P. 242
- Brass/Steel Dry-Break P. 164
- Safety P. 276
- Coded Systems P. 300

Chart



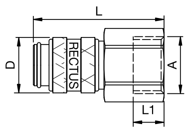
Couplings — RECTUS Series 21KL



Male Thread

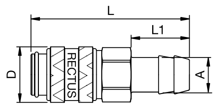
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	7					AISI 303	21KL AW10 RVX
									AISI 316 L	21KL AW10 EVX
G 1/4	17	38	16	9					AISI 303	21KL AW13 RVX
									AISI 316 L	21KL AW13 EVX
G 3/8	19	38	16	9					AISI 303	21KL AW17 RVX
									AISI 316 L	21KL AW17 EVX

Couplings — RECTUS Series 21KL



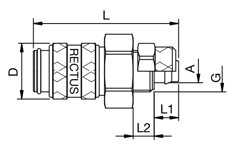
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	9					AISI 303	21KL IW10 RVX
									AISI 316 L	21KL IW10 EVX
G 1/4	17	38	16	9					AISI 303	21KL IW13 RVX
									AISI 316 L	21KL IW13 EVX



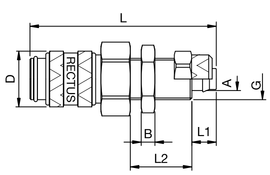
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
5 mm	14	46	16	17					AISI 303	21KL TF05 RVX
6 mm	14	46	16	17					AISI 316 L	21KL TF08 EVX
8 mm	14	46	16	17					AISI 303	21KL TF09 RVX
									AISI 316 L	21KL TF09 EVX
9 mm	14	46	16	17					AISI 303	21KL TF10 RVX
									AISI 316 L	21KL TF10 EVX
10 mm	14	46	16	17					AISI 303	21KL TF06 RVX
									AISI 316 L	21KL TF06 EVX
6 mm Parker	14	50	16	20					AISI 303	21KL TP06 RVX



Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	42	16	7	6			M 10 x 1	AISI 303	21KL KO06 RVX
									AISI 316 L	21KL KO06 EVX
6 x 8 mm	14	42	16	7	6			M 12 x 1	AISI 303	21KL KO08 RVX
									AISI 316 L	21KL KO08 EVX

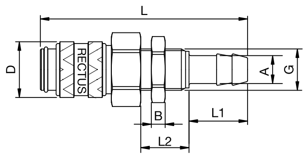


Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	54	16	7	18	14	4	M 10 x 1	AISI 303	21KL KS06 RVX
									AISI 316 L	21KL KS06 EVX
6 x 8 mm	17	54	16	7	18	17	4	M 12 x 1	AISI 303	21KL KS08 RVX

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

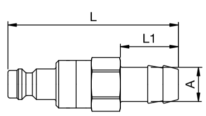
Couplings — RECTUS Series 21KL



Panel Mount, Hose Barb

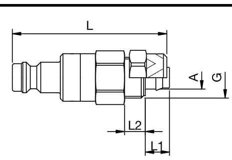
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
8 mm	17	60	16	17	14	17	4	M 12 x 1	AISI 303	21KL TS08 RVX

Valved Plugs — RECTUS Series 21KL



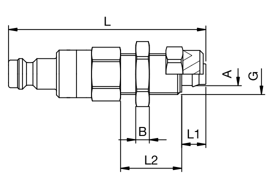
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
5 mm	14	50		17					AISI 303	21SL TF06 RVX
									AISI 316 L	21SL TF06 EVX
6 mm	14	50		17					AISI 303	21SL TF08 RVX
									AISI 316 L	21SL TF08 EVX
9 mm	14	50		17					AISI 303	21SL TF10 RVX
									AISI 316 L	21SL TF10 EVX
10 mm	14	50		17					AISI 303	21SL TF10 RVX
									AISI 316 L	21SL TF06 EVX
6 mm Parker	14	54		20					AISI 303	21SL TP06 RVX



Plastic Hose Connection

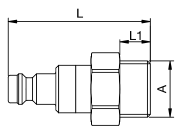
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	46		7	6			M 10 x 1	AISI 303	21SL KO06 RVX
									AISI 316 L	21SL KO06 EVX
6 x 8 mm	14	46		7	6			M 12 x 1	AISI 303	21SL KO08 RVX
									AISI 316 L	21SL KO08 EVX



Panel Mount, Plastic Hose Connection

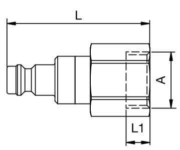
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 x 8 mm	17	58		7	18	17	4	M 12 x 1	AISI 303	21SL KS08 RVX

Valved Plugs — RECTUS Series 21KL



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	40			7				AISI 303	21SL AW10 RVX
									AISI 316 L	21SL AW10 EVX
G 1/4	17	42			9				AISI 303	21SL AW13 RVX
									AISI 316 L	21SL AW13 EVX
G 3/8	19	42			9				AISI 303	21SL AW17 RVX
									AISI 316 L	21SL AW17 EVX



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	40			9				AISI 303	21SL IW10 RVX
									AISI 316 L	21SL IW10 EVX

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

Dry-Break

Nominal Diameter

6 = 28 mm²

RECTUS Series

206KL

85 % of actual size

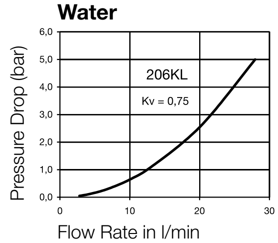
reddot design award
winner 2007

You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Dry-Break P. 169

Technical Description
Dry-break coupling systems, which stand out for their extremely low leakage rates and a minimum volume of dead space. No air locks whatsoever during connecting and negligible film of channelled medium on the valve bodies when disconnecting. Coupling systems for applications in sensitive environments, such as in analysis technology, cooling circuits, transport systems and many applications with aggressive medium.

Chart



Advantages
Single-handed operation. Easy handling. Ergonomic sleeve shape. Low connecting forces. Valve body protected by collar design.

Extremely low dead volume remaining.

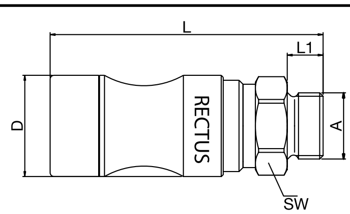
Interchangeability
RECTUS Design

Working Pressure
PB = 15 bar, maximum static working pressure with safety factor of 4 to 1.

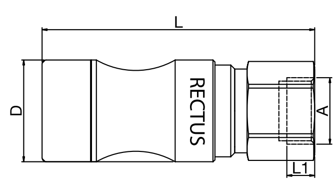
Working Temperature*
-15°C up to +200°C (FKM)
Other sealing materials available on request.

Material	**AISI 316 L**
Coupling	
Back Body	AISI 316 L
Valve Body	AISI 316 L
Sleeve	AISI 316 L
Valve	AISI 316 L
Spring and Locking Ring	AISI 316 Ti
Locking Balls	AISI 316
Seals	FKM
Plug	
Plug Profile	AISI 316 L
Back Body	AISI 316 L
Valve	AISI 316 L
Spring	AISI 316 Ti
Seal	FKM

Couplings — RECTUS Series 206KL



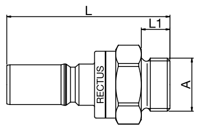
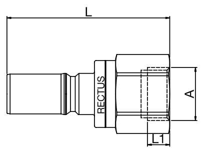
Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	22	68,5	25,5	9					AISI 316 L	206KL AW17 EVX
G 1/2	24	71,5	25,5	12					AISI 316 L	206KL AW21 EVX
G 3/8	22	68,5	25,5	9					AISI 316 L	206KL IW17 EVX
G 1/2	24	71,5	25,5	12					AISI 316 L	206KL IW21 EVX

Valved Plugs — RECTUS Series 206KL

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	G 3/8	22	51		9					AISI 316 L	206SL AW17 EVX
	G 1/2	24	54		12					AISI 316 L	206SL AW21 EVX
 Female Thread	G 3/8	22	51		9					AISI 316 L	206SL IW17 EVX
	G 1/2	24	54		12					AISI 316 L	206SL IW21 EVX

Dry-Break

Nominal Diameter

7,4 = 42 mm²

RECTUS Series

25KL

actual size

Technical Description
3/8" - 1/2" brass coupling system. High flow performance. Notable for robust design in critical and aggressive surrounding like laboratories, electronic cooling-system and semi conductor industry.

Dust Caps (P. 331)
for coupling Part.-No. SK23S
for plug Part.-No. SK12S

Advantages
Single handed operation. Robust design. High flow valve. No damage to the valve body from collar design. Minimum (hardly noticeable) leakage occurs when disconnecting. Air is not trapped in during the connecting process.

Working Pressure
PB = 8 bar, maximum static working pressure with safety factor of 4 to 1.

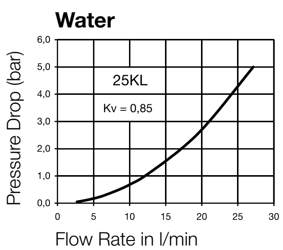
Working Temperature*
-15°C up to +200°C (FKM)
0°C up to +316°C (FFKM)
depending on the medium.

*At a temperature below -15°C and above +200°C special seals are available on request.

You will find the following alternative versions in our current catalogue on page:

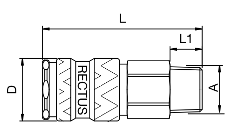
- ▶ Stainless Steel Single Shut-off P. 192
- ▶ Stainless Steel Double Shut-off P. 209
- ▶ Brass/Steel Dry-Break P. 171
- ▶ Safety P. 278
- ▶ Safety Self-Venting P. 290
- ▶ Coded Systems P. 303

Chart

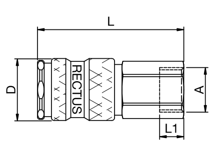


Material	AISI 303	AISI 316 L
Coupling		
Back Body	AISI 303	AISI 316 L
Valve Body	AISI 303	AISI 316 L
Sleeve	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring and Locking Ring	AISI 301	AISI 316 Ti
Locking Balls	AISI 416	AISI 416
Seals	FKM	FKM
Seal Bonnet	AISI 303	AISI 316 L
Inner Sleeve	AISI 303	AISI 316 L
Plug		
Plug Profile	AISI 303	AISI 316 L
Back Body	AISI 303	AISI 316 L
Valve	AISI 303	AISI 316 L
Spring	AISI 301	AISI 316 Ti
Seal	FKM	FKM

Couplings — RECTUS Series 25KL



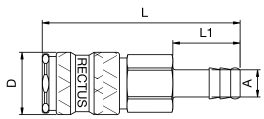
Male Thread



Female Thread

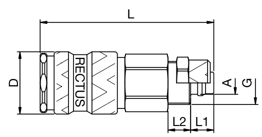
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/4	19	59,5	23	10,5					AISI 303	25KL AW13 RVX
										AISI 316 L	25KL AW13 EVX
	G 3/8	19	57,5	23	9					AISI 303	25KL AW17 RVX
										AISI 316 L	25KL AW17 EVX
	G 1/2	24	60,5	23	12					AISI 303	25KL AW21 RVX
										AISI 316 L	25KL AW21 EVX
Female Thread	G 1/4	19	55,5	23	10					AISI 303	25KL IW13 RVX
										AISI 316 L	25KL IW13 EVX
	G 3/8	19	54,5	23	9					AISI 303	25KL IW17 RVX
										AISI 316 L	25KL IW17 EVX
	G 1/2	24	57,5	23	12					AISI 303	25KL IW21 RVX
										AISI 316 L	25KL IW21 EVX

Couplings — RECTUS Series 25KL



Hose Barb

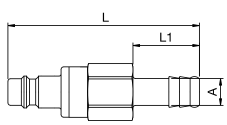
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
9 mm	19	73,5	23	25					AISI 303	25KL TF09 RVX
									AISI 316 L	25KL TF09 EVX
13 mm	19	73,5	23	25					AISI 303	25KL TF13 RVX
									AISI 316 L	25KL TF13 EVX



Plastic Hose Connection

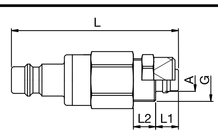
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
8 x 10 mm	19	64,5	23	9	8			M 16 x 1	AISI 303	25KL KO10 RVX

Valved Plugs — RECTUS Series 25KL



Hose Barb

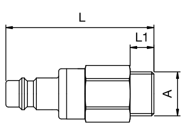
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	75		25					AISI 303	25SL TF06 RVX
9 mm	19	72		25					AISI 303	25SL TF09 RVX
									AISI 316 L	25SL TF09 EVX
13 mm	19	72		25					AISI 303	25SL TF13 RVX
									AISI 316 L	25SL TF13 EVX



Plastic Hose Connection

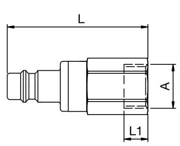
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
8 x 10 mm	19	63		8,5	8,5			M 16 x 1	AISI 303	25SL KO10 RVX

Valved Plugs — RECTUS Series 25KL



Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	58		10,5					AISI 303	25SL AW13 RVX
									AISI 316 L	25SL AW13 EVX
G 3/8	19	56		9					AISI 303	25SL AW17 RVX
									AISI 316 L	25SL AW17 EVX
G 1/2	24	59		12					AISI 303	25SL AW21 RVX
									AISI 316 L	25SL AW21 EVX



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	54		10					AISI 303	25SL IW13 RVX
									AISI 316 L	25SL IW13 EVX
G 3/8	19	53		9					AISI 303	25SL IW17 RVX
									AISI 316 L	25SL IW17 EVX
G 1/2	24	56		12					AISI 303	25SL IW21 RVX
									AISI 316 L	25SL IW21 EVX

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

Dry-Break

Nominal Diameter

8 = 50 mm²

RECTUS Series

99KL

60% of actual size

You will find the following alternative versions in our current catalogue on page:

▶ Coded Systems P. 308

Technical Description
Dry-Break, unmistakable system. During the connection process, the plug and the coupling seals before both valves open. The valves close simultaneously when discon-nec-ted, allowing the coupling and plug to be separated afterwards. This ensures mini-mum leakage. Coded via two lateral grooves on the plug and a similar guide in the coupling, which are arranged in different angular degrees. Particularly suitable for liquid and aggres-sive media especially for High Purity Applications.

Advantages
Single handed operation. 8-way coding. All individual parts are electro-burnished.

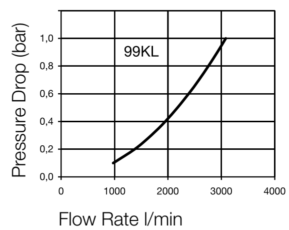
Working Pressure
PB = 6 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-0°C up to +316°C (FFKM) depending on the medium.

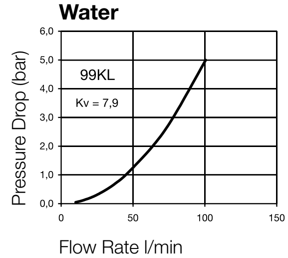
Information about the Plug Protection Cap (Part-No. SK 99EXXS) on request.

Chart

Air

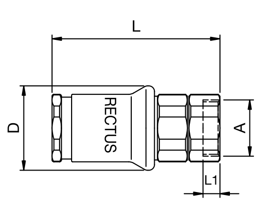


Water



Material	**AISI 316 L**
Coupling	
Back Body	AISI 316 L
Valve Body	AISI 316 L
Sleeve	AISI 316 L
Valve	AISI 316 L
Spring and Locking Ring	AISI 301
Locking Balls	AISI 316 L
Seals	FFKM
Valve Stem Guide	PTFE
Threaded Nut	AISI 316 L
Plug	
Plug Profile	AISI 316 L
Valve Stem Guide	PTFE
Valve	AISI 316 L
Spring	AISI 301
Seals	FFKM
Threaded Nut	AISI 316 L

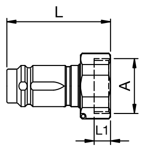
Couplings — RECTUS Series 99KL



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 30 x 2/30°	34	97	45	10					AISI 316 L	99KL IM30 EKX30
M 30 x 2/45°	34	97	45	10					AISI 316 L	99KL IM30 EKX45
M 30 x 2/60°	34	97	45	10					AISI 316 L	99KL IM30 EKX60
M 30 x 2/75°	34	97	45	10					AISI 316 L	99KL IM30 EKX75
M 30 x 2/90°	34	97	45	10					AISI 316 L	99KL IM30 EKX90
M 30 x 2/105°	34	97	45	10					AISI 316 L	99KL IM30 EKX105
M 30 x 2/120°	34	97	45	10					AISI 316 L	99KL IM30 EKX120
M 30 x 2/150°	34	97	45	10					AISI 316 L	99KL IM30 EKX150

Valved Plugs
RECTUS Series 99KL



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 30 x 2/30°	34	57		9					AISI 316 L	99SL IM30 EKX30
M 30 x 2/45°	34	57		9					AISI 316 L	99SL IM30 EKX45
M 30 x 2/60°	34	57		9					AISI 316 L	99SL IM30 EKX60
M 30 x 2/75°	34	57		9					AISI 316 L	99SL IM30 EKX75
M 30 x 2/90°	34	57		9					AISI 316 L	99SL IM30 EKX90
M 30 x 2/105°	34	57		9					AISI 316 L	99SL IM30 EKX105
M 30 x 2/120°	34	57		9					AISI 316 L	99SL IM30 EKX120
M 30 x 2/150°	34	57		9					AISI 316 L	99SL IM30 EKX150

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

Dry-Break

Nominal Diameter

9 = 63,5 mm²

RECTUS Series

209KL

70 % of actual size

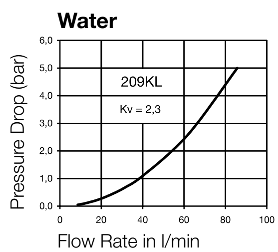
reddot design award
winner 2007

You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Dry-Break P. 178

Technical Description
Dry-break coupling systems, which stand out for their extremely low leakage rates and a minimum volume of dead space. No air locks whatsoever during connecting and negligible film of channelled medium on the valve bodies when disconnecting. Coupling systems for applications in sensitive environments, such as in analysis technology, cooling circuits, transport systems and many applications with aggressive medium.

Chart



Advantages
Single-handed operation. Easy handling. Ergonomic sleeve shape. Low connecting forces. Valve body protected by collar design.

Extremely low dead volume remaining.

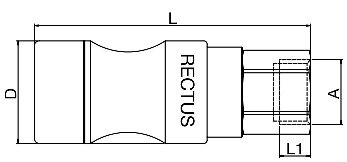
Compatibility
RECTUS Design

Working Pressure
PB = 15 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-15°C up to +200°C (FKM)
Other sealing materials available on request.

Material	**AISI 316 L**
Coupling	
Back Body	AISI 316 L
Valve Body	AISI 316 L
Sleeve	AISI 316 L
Valve	AISI 316 L
Spring and Locking Ring	AISI 316 Ti
Locking Balls	AISI 316
Seals	FKM
Plug	
Plug Profile	AISI 316 L
Back Body	AISI 316 L
Valve	AISI 316 L
Spring	AISI 316 Ti
Seal	FKM

Couplings — RECTUS Series 209KL

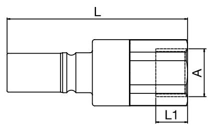


Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	27	92	33	16					AISI 316 L	209KL IW21 EVX
G 3/4	32	94	33	16					AISI 316 L	209KL IW26 EVX

Valved Plugs

RECTUS Series 209KL



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	27	79,5		16					AISI 316 L	209SL IW21 EVX
G 3/4	32	81,5		16					AISI 316 L	209SL IW26 EVX

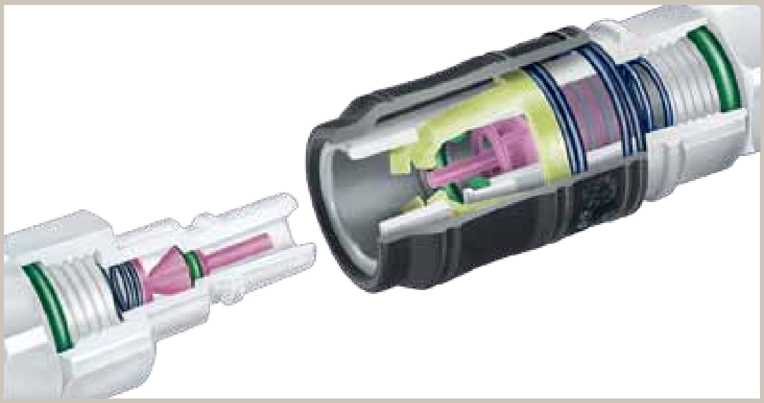
⚠ Please consider our security advices on the pages 12/13 ⚠

RectuChem / RectuPom

Resistance to Chemicals

RectuChem

This quick connect coupling system made of polyvinyl fluoride (PVDF) has been designed for increased resistance to chemicals. The stable spring made of high quality stainless steel guarantees a secure connection and permanent functionality.

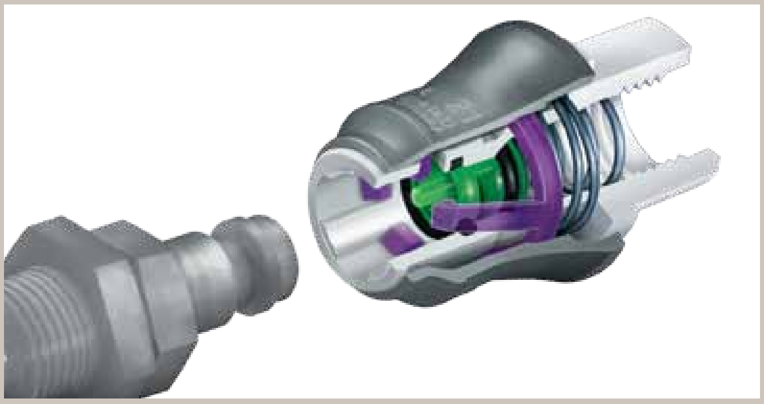


RectuChem+

This quick connect coupling system completely made of solid plastic is extremely resistant to all organic and mineral media. The resistance of the sealing materials, the PVDF base material and the spring fittings made of PEEK offer virtually unlimited application possibilities. The system is excellently suited for media that must not be contaminated by metal radicals.

RectuPom

The well proven, quick connect coupling system made of thermoplastic polymer is distinguished by unequalled high mechanical strength and outstanding resistance to liquids and high temperatures. The plug is automatically locked in position when pushed in. To disconnect, simply pull back the sleeve.



This chart is intended as a guide only and is not to be considered as a recommendation to use Rectus couplings in a specific application or with specific fluid. For more information please ask the our experts.

Resistance to Chemicals / RectuChem (PVDF)

● = recommended ▲ = restricted usage ■ = not recommended

Chemicals	Temperature					
	20°C	50°C	70°C	100°C	110°C	120°C
Acetaldehyde	■					
Acetanhydride	■	■	■			
Acetic acid (50%)	●	●	●	●	●	
Acetic acid (80%)	●	●	●	●		
Acetic acid (100%)	●	●	▲	■	■	
Acetone	■	■				
Acetone (50% water)	▲	▲	■			
Acetone nitrile	●	●	▲			
Acetophenone	●	▲	■	■		
Acetyl acetone	■			■		
Acetyl chloride	■	■				
Acryl nitrile	●	▲				
Adipic acid, diluted	●	●	●			
Allyl chloride	●	●	●	●		
Aluminium chloride	●	●	●	●	●	●
Aluminium chloride (50%)	●	●	●			
Aluminium fluoride	●	●	●	●	●	●
Aluminium fluoride (50%)	●	●	●			
Aluminium hydroxide	●	●	●	●	●	●
Aluminium nitrate	●	●	●	●	●	●
Aluminium nitrate (50%)	●	●	●			
Aluminium potassium sulphate	●	●	●	●	●	●
Aluminium sulphate	●	●	●			
Ammonia (30%)	●	●	●	●		
Ammonia, enhydrous	●	●	●	●	●	●
Ammonium aluminium sulphate	●	●	●	●	●	●
Ammonium carbonate	●	●	●	●	●	●
Ammonium chloride	●	●	●	●	●	●
Ammonium fluoride	●	●	●	●	●	●
Ammonium hydroxide	●	●	●	●	●	●
Ammonium nitrate	●	●	●	●	●	●
Ammonium phosphate	●	●	●	●	●	●
Ammonium sulphate	●	●	●	●	●	●
Ammonium sulphide	●	●	●	●	●	●
Amyl acetate	●	●	▲	■	■	
Amyl alcohol	●	●	●	●	●	●
Amyl chloride	●	●	●	●	●	●
Amyl chloride (50%)	●	●	●	●	●	●
Aniline	●	▲	▲	■		
Antimonous chloride	●					
Aqua regia	●	●	●			
Arsenic acid	●	●	●	●	●	●
Barium carbonate	●	●	●	●	●	●
Barium chloride	●	●	●	●	●	●
Barium hydroxide	●	●	●	●	●	●
Barium sulphide	●	●	●	●	●	●
Benzaldehyde	▲	▲	■			
Benzene	●	▲	▲			
Benzene-sulphonic acid	●	■				
Benzoic acid	●	●	●	●	●	●
Benzyl methyl ester			■			
Benzyl alcohol	●	●	●	●	●	●
Benzyl chloride	●	▲	▲	■	■	■

Chemicals	Temperature					
	20°C	50°C	70°C	100°C	110°C	120°C
Borax	●	●	●	●	●	●
Boric cold	●	●	●	●	●	●
Bromic acid	●	●	●	●	●	
Bromina, dry	●	●	●			
Butediene	●	●	●	●		
n-Butanol	●	●	●	●	●	●
sec-Butanol	●	●	●	●	●	●
tert-Butanol	●	●	●	●	●	●
Butene	●	●	●	●	●	●
Butyl acrylate	●	▲	■	■		
Butyl acetate	●	▲	■	■		
n-Butyl amine	■	■				
sec-Butyl amine	■	■				
tert-Butyl amine	●	▲	▲	■		
n-Butyl bromide	●	●	●	●	●	●
n-Butyl chloride	●	●	●	●	●	●
Butyl glycol	●	●	●	●	●	●
n-Butyl mercaptane	●	●	●	●	●	●
Butyl phenol	●	●	●	●		
Butyric acid	●	●	●	●	●	
y-Butyrol acetone			■			
Calcium carbonate	●	●	●	●	●	●
Calcium chlorate/chloride	●	●	●	●	●	●
Calcium disulphate	●	●	●	●	●	●
Calcium hydrogen sulphite	●	●	●	●	●	●
Calcium hydroxide	●	●	●	●	●	●
Calcium hypochlorite	●	●	●	●	●	●
Calcium nitrate	●	●	●	●	●	●
Calcium sulphate	●	●	●	●	●	●
Capric acid	●	●	●			
Caprylic acid	●	●	●	▲		
Carbon dioxine, wet	●	●	●	●	●	●
Carbon dioxide, anhydros	●	●	●	●	●	●
Carbon disulfide	●					
Carbon tetrachloride	●	●	●	●	●	●
Caustic soda (10%)	●	●	●	●		
Caustic soda (50%)	●	●	●	●		
Chloric acid gas	●	●	●	●		
Chlorine (5% in CCl4)	●	●	●	●		
Chlorine dioxine (15%)	●	●	●			
Chlorine, wet	●	●	●	●		
Chlorine, dry	●	●	●	●		
(Mono-)chloroacetic acid (50%)	●	●	●	●		
(Mono-)chloroacetic acid (100%)	●	●	●	●		
Chlorobenzene	●	●	●	▲		
Chlorodifluoromethane	●	●	●	●		
Chloroform	●	●	●	●		
Chlorosulfonic acid	■	■				
Chromic acid (50%)	●	●	▲			
Chromyl chloride	●	●				
Citric acid	●	●	●	●	●	●
Citric acid (50%)	●	●	●	●	●	●
Coconut oil	●	●	●	●	●	●

Chemicals	Temperature 20°C	50°C	70°C	100°C	110°C	120°C
Coke oven gas	●	●	●	●		
Cooper chloride	●	●	●	●	●	●
Cooper cyanide	●	●	●	●	●	●
Cooper fluoride	●	●	●	●	●	●
Cooper nitrate	●	●	●	●	●	●
Cooper sulphate	●	●	●	●	●	●
Corn all	●	●	●	●	●	●
Crotonaldehyde	●	●	▲	■		
Crude oil	●	●	●	●	●	●
Mineral oil	●	●	●	●	●	
Cyclohexane	●	●	●	●	●	●
Cyclohexanol	●	●	●	▲		
Cyclohexanone	●	■	■	■		
Dextrine	●	●	●	●	●	●
Diacetone alcohol	●	▲	■	■		
o-Dichlorobenzene						
Dichlorodifluormethane	●	●	●	●		
Diesel fuel	●	●	●	●	●	●
Diethylamine	●	■	■			
Diethylenetriamine	●	●	▲	■		
Diethyl ether	●	▲				
Diglycolic acid	●					
Diisobutyl ketone	●	●	●	●		
Diisopropyl ether	●	●				
N, N-Dimethyl acetamide			■			
Dimethyl amine	■	■	■	■		
Dimethyl aniline	●	▲	■	■	■	
Dimethyl formamide			■			
Dimethyl phthalate	●	▲	■	■		
1, 4-Dioxane	■	■	■			
Epichlorohydrine	■	■				
Ethyla cetate	●	▲	■	■		
Ethyla crylate	●	▲	■	■		
Ethyl alcohol	●	●	●	●	●	●
Ethyl chloride	●	●	●	●	●	●
Ethylene bromide (1, 2-Dibromoethana)	●	●	●	●	●	●
Ethylene chloride (1, 2-Dichlorethane)	●	●	●	●	●	●
Ethylene chlorhydrine	●	▲	■	■		
Ethylene diamine	■	■				
Ethylene glycol	●	●	●	●	●	●
Ethylene oxide	●	●				
Fats (triglycerides of long or medium chain fatty acids)	●	●	●	●		
Fatty acids (long chain)	●	●	●	●	●	●
Fatty acids (medium chain)	●	●	●			
Ferrous chloride	●	●	●	●	●	●
Ferric chloride (50%)	●	●	●	●	●	●
Ferrous nitrate	●	●	●	●	●	●
Ferric nitrate	●	●	●	●	●	●
Ferrous sulphate	●	●	●	●	●	●
Ferric sulphate	●	●	●	●	●	●
Ferric sulphate (50%)	●	●	●	●		
Fluorine	●					
Formaldehyde (37%, Formalin, Wz)	●	●				
Formic acid	●	●	●	●	●	●
Furane	■	■				
Furfurol	▲	■	■	■		
Fuel oil (EL)	●	●	●	●		
Gallic acid	●	▲				
Gear oil ARAL Energol	●	●				

Chemicals	Temperature 20°C	50°C	70°C	100°C	110°C	120°C
Gear oil ARAL Montanol GM 220	●	●	●			
Gear oil BP Energol H-PC 220	●	●	●			
Gear oil Shell Tellusoil 32	●	●	●			
Gear oil Shell Tonna oil T 220	●	●	●			
Glucose	●	●	●	●	●	●
Glycerol	●	●	●	●	●	●
1, 2-Glycol	●	●	●	●	●	●
Glycolic acid (hydroxyacetica acid)	●	▲	■	■		
Heptane	●	●	●	●	●	●
Hexamethyldisilazan (HMDS)	●					
Hexane	●	●	●	●	●	●
Hydrazine UDMH 50/50	●	▲				
Hydriodic acid (48% + 12%J2)	●	●	●	●	●	●
Hydrogen	●	●	●	●	●	●
Hydrogen bromide	●	●	●	●		
Hydrogen cyanide	●	●	●	●	●	●
Hydrogen fluoride (35%)	●	●	●	●	●	●
Hydrogen fluoride (70%)	●	●	●	●		
Hydrogen fluoride (100%)	●	●	●	●		
Hydrogen peroxide (30%)	●	●	●	●	●	●
Hydrogen peroxide (90%)	●					
Hydrogen phosphide	●	●				
Hydrogen sulphide, wet	●	●	●	●	●	●
Hydrogen sulphide, enhydrous	●	●	●	●	●	●
Hypochiorous acid	●	●	●	●	●	●
Iodine, dry	●	●	●			
Iodine, wet	●	●	●			
Iodoform	●	●	●	●		
Isooctane	●	●	●	●	●	●
Jat propulsion fuel IP4 and IP5	●	●	●	●		
Kerosine	●	●	●	●	●	●
Lactic acid	●	▲	■	■		
Lauric acid	●	●	●	●		
Lauryl chloride	●	●	●	●		
Lead acetate	●	●	●	●	●	●
Lead tetraethyl	●	●	●	●	●	●
Linseed oil	●	●	●	●	●	●
Linolelc acid	●	●	●	●	●	●
Magnesium carbonate	●	●	●	●	●	●
Magnesium chloride	●	●	●	●	●	●
Magnesium hydroxide	●	●	●	●	●	●
Magnesium nitrate	●	●	●	●	●	●
Magnesium sulphate	●	●	●	●	●	●
Maleic acid	●	●	●	●	●	●
Mercury	●	●	●	●	●	●
Mercuric chloride	●	●	●	●	●	●
Mercuric cyanide	●	●	●	●	●	●
Mercuric nitrate	●	●	●	●	●	●
Methane	●	●	●	●	●	
Methane sulfonic acid (50%)	●	●	●	●		
Methyl alcohol	●	●	●	●	●	●
Methyl bromide	●	●	●	●	●	●
Methyl chloride	●	●	●	●	●	●
Methylene chloride	▲	▲				
Methyl ethyl ketone	■	■	■	■		
Methyl isobutyl ketone	●	▲	■	■		
N-Methylpyrrolidone			■			
Milk	●	●	●	●		
Mineral Oil	●	●	●	●	●	●
Monoethanol amina	■	■				

Chemicals	20°C	50°C	70°C	100°C	110°C	120°C
Morpholine	▲	■	■			
Naphtha	●	●	●	●	●	●
Naphthaline	●	●	●	▲		
Natriumbisulfat	●	●	●	●	●	●
Natural gas	●	●	●	●	●	●
Niacin (nicotinic acid)	●	●	●	●	●	●
Nickel chloride	●	●	●	●	●	●
Nickel nitrate	●	●	●	●	●	●
Nickel sulphate	●	●	●	●	●	●
Nicotine	●	▲	▲			
Nitrating acid	●	●	▲			
Nitric acid (15%/30%)	●	●	●	●		
Nitric acid (65%)	●	●	●			
Nitric acid (fuming)	▲	▲				
Nitrobenzone	●	▲	■			
Nitrogen dioxide	●	●	●	●		
Nitromethane	▲	■				
Nitrous acid	●	●	●	●		
Octane	●	●	●	●	●	●
Octene	●	●	●	●	●	●
Oil (triglyceride)	●	●	●	●		
Oleic acid	●	●	●	●	●	●
Oleum	■					
Oxalic acid	●	●	▲	■		
Oxygen	●	●	●	●	●	●
Ozone	●	●	●	●	●	●
Palmitic o. hexadacyclic acid	●	●	●	●	●	●
Paraldehyde	●	●	●			
Perchlorethylene	●	●	●	●	●	●
Perchloric acid (10%)	●	●	●	●		
Perchloric acid (72%)	●	●				
Petrol (Gasoline) (non-leaded)	●	●	●	●	●	●
Phenol (10%)	●	●	●	●		
Phenol (100%)	●	●	●	▲		
Phenylhydrazine	●	●				
Phosphorous pentoxide	●	●	●	●		
Phosphoric acid (30%)	●	●	●	●	●	●
Phosphoric acid (85%)	●	●	●	●	●	
Phosphorous chloride	●	●	●	●		
Phthalic acid	●	●	●	●		
Picric acid	●					
Potassium bromide/carbonate	●	●	●	●	●	●
Potassium chlorato/chloride	●	●	●	●	●	●
Potassium cyanide/dichromate	●	●	●	●	●	●
Potassium terrocyanide	●	●	●	●	●	●
Potassium hydroxide	●	●	●	●		
Potassium nitrate/permanganate	●	●	●	●	●	●
Potassium sulphate	●	●	●	●	●	●
Potassium sulphide	●	●	●	●	●	●
Propane	●	●	●	●	●	●
Propanol	●	●	▲	■		
Propylene carbonate			■			
Propylene oxida	■					
Pyridine	■	■	■			
Pyrogallic acid	●	●				
Salicylle acid	●	●	●	●		
Sea water	●	●	●	●	●	●
Silicon tetrachloride	●					
Silver cyanide	●	●	●	●	●	●
Silver nitrate	●	●	●	●	●	●

Chemicals	20°C	50°C	70°C	100°C	110°C	120°C
Sodium acetate	●	●	●	●	●	●
Sodium benzoate	●	●	●	●	●	●
Sodium bicarbonate						
(Sodium nitrogen carbonate)	●	●	●	●	●	●
Sodium bisulphate						
(Sodium hydrogen sulphite)	●	●	●	●	●	●
Sodium bisulphite						
(Sodium hydrogen sulphate)	●	●	●	●	●	●
Sodium bromide	●	●	●	●	●	●
Sodium carbonate	●	●	●	●	●	●
Sodium carbonate (40%)	●	●	●			
Sodium chlorate	●	●	●	●	●	●
Sodium chloride	●	●	●	●	●	●
Sodium cyanide	●	●	●	●	●	●
Sodium hypochloride	●	●	●	●	●	●
Sodium nitrate	●	●	●	●	●	●
Sodium nitrite	●	●	●	●	●	●
Sodium peroxide	●	●	●	●	●	●
Sodium phosphate	●	●	●	●	●	●
Sodium silicate	●	●	●	●	●	●
Sodium sulphate	●	●	●	●	●	●
Sodium sulphide	●	●	●	●	●	●
Sodium sulphite	●	●	●	●	●	●
Sodium thiosulphate	●	●	●	●	●	●
Stearic acid	●	●	●	●	●	●
Sulphur	●	●	●	●	●	●
Sulphur chloride	●					
Sulphur dichloride	●					
Sulphur dioxide	●	●	●	●		
Sulphuric acid (50%)	●	●	●	●	●	
Sulphuric acid (60%)	●	●	●	●		
Sulphuric acid (80%)	●	●	●	●	●	▲
Sulphuric acid (95%)	●	●	▲	■		
Sulphuric acid (fuming/monohydrate)	■	■				
Sulphur trioxide	■	■				
Sulphurous acid	●	●	●	●		
Synthesis gas	●	●	●	●	●	●
Tall oil o. liquid rosin	●	●	●	●	●	●
Tetrachlorethylene	●	●	●	▲		
Tetrahydrofurane	▲	■				
Tetramethyl ammonium hydroxide (50%)	●	●	●	●		
Thionyl chloride	●	▲				
Titanium tetrachloride	●	●				
Toluol (toluene)	●	●	●	▲		
Tributyl phosphate	●	●	●	●		
Trichloroacetic acid	●	▲	■	■		
1.1.1-Trichloroethane	●	●	▲			
Trichloroethylene	●	●	●	●	●	●
Trichlorofluoromethane	●	●	●	●		
Triethyl amine	●	●	▲	■		
Urea (50%)	●	●	●	●	●	●
Vinyl acetate	●	●	●	●	●	●
Water	●	●	●	●	●	●
Xylol (xylene)	●	●	●			
Zin chloride	●	●	●	●	●	●
Zin chloride (50%)	●	●	●	●	●	●
Zin nitrate	●	●	●	●	●	●
Zin nitrate (50%)	●	●	●	●	●	●
Zin sulphate	●	●	●	●	●	●
Zin sulphate (50%)	●	●	●	●	●	●

Resistance to Chemicals / RectuPom

● = recommended — weight increase < 3% or weight loss < 0,5% and/or decrease in tensile strength < 15%
▲ = limited usage — weight increase 3 - 8% or weight loss 0,5 - 3% and/or decrease in tensile strength 15 - 30%
■ = not recommended — weight increase > 8% or weight loss > 3% and/or decrease in tensile strength > 30%

Chemicals	Temperature 20°C	60°C
Acetic acid (10%)	●	●
Acetic acid (80%)	▲	■
Acetone	●	▲
Acetylene tetrabromide	▲	■
Ammonia	●	●
Ammonium sulphate		
®Hoechst (10%) (pH 5,8)	●	■
Benzene	▲	▲
Benzene with 15 to 20% methanol	●	●
Butanol	●	●
Butyl acetate	●	▲
Buthyraldehyde	▲	▲
Butyric acid (1%)*	●	●
Butyric acid (98%)	▲	▲
Calcium ammonium nitrate	●	●
Calcium chloride (10%)	●	●
Calcium nitrate		
®Hoechst (10%) (pH 6,4)	●	●
Cananga oil	●	●
Carbon disulphide	●	●
Carbon tetrachloride	●	▲
Chlorobenzene	▲	▲
Chloroform	■	■
Chromic acid (3%)	▲	▲
Citric acid (10%)	●	■
®Clophen A 60 (Bayer)	●	●
Coffee (®Nescafe)	●	●
®Complesal Typ Blau 12 + 12 + 17 + 2		
(10%, pH 5,8)	●	●
®Complesal Typ Gelb 15 + 15 + 15		
(10%, pH 5,8)	●	●
®Complesal Typ NP 20 + 20 + 0		
(10%, pH 5,7)	●	●
®Complesal Typ Rot 13 + 13 + 21		
(10%, pH 5,4)	●	●
Copper sulphate (10%)	●	●
Developer solution 1:100		
(pH 10,4) (®Rodinal Agfa)	●	●
Developer solution 1:50		
(pH 10,9) (®Rodinal Agfa)	●	●
Dibutyl phthalate	●	●
Diesel oil	●	●
Dimethyl phthalate	●	▲
Dioctyl sebacate	●	●
Dioxane	▲	▲
Engine oil BP HP 20	●	●
Engine oil SAE 40 (Caltrex)	●	●
Ethanol (96%)	●	●
Ether (DAB 6)	●	●
Ethyl acetat	▲	▲
Ethyl chloride (DAB 6)	●	▲
Ethyl glycol	●	▲
Ferric chloride (10%)	▲	■

Chemicals	Temperature 20°C	60°C
Fluorocarbons (partially halogenated)	■	■
Fluorocarbons (perhalogenated)	●	●
Formaldehyde (40%)	●	●
Formic acid (10%)*	●	■
Fuel oil EL	●	●
Galbanum resin	●	
®Genantin/tap water 1 : 1		
(+1% ®Donax C, Shell)	●	
Glacial acetic acid	▲	■
Glycerol	●	●
Glycol	●	●
Glycol/distilled water 48 : 52	●	●
®Grisiron GBF 1 (5g to 100g H_2O)	●	●
Hydrochloric acid (10%)	■	■
Hydrogen peroxide (30%)*	●	■
Hydroxycitronellal	●	●
Ink (®Pelikan ink, blue-black)	●	■
Isopropyl alcohol	●	●
Jet fuel JP 1 + 4 (Shell)	●	●
Lactic acid (10%)*	●	▲
Lactic acid (90%)*	●	■
Lavender oill, highest-quality	●	●
Lemongrass oil	●	●
Lime, chlorinated (approx. 10%)	■	■
Methanol	●	●
Methyl acetate	▲	▲
Methyl bromide	■	■
Methyl ethyl ketone	▲	▲
Methyl glycol	▲	▲
Methyl glycol acetate	▲	■
Methylene bromide	■	■
Methylene chloride, technical	■	■
Mineral oil	●	●
®Mobil oil SAE 20	●	●
Mobil oil HD SAE 20 after 3000 km	●	●
N-hexane	●	●
Natural gas	●	●
Nickel sulphate (10%)	●	●
Nitric acid (10%)	■	■
Nitrous gases	■	■
Oil of cloves	●	●
Olive oil	●	■
Ozone	■	■
Peat water (pH 3,7)	●	●
Perchloroethylene	●	■
Petrol, standard-grade	●	●
Petrol/benzene mixture		
(super-grade petrol)	●	●
Petroleum	●	●
Petroleum fraction		
(boiling point 100-140°C)	●	●
Phenol	■	■
Phosphoric acid (25%)	●	■

Chemicals	Temperature 20°C	60°C
Potassiom hydroxide		
(caustic potash solution)	●	●
Potassium permanganate (10%)*	●	●
refrigerant R 134 a (System Reclin)	●	●
Sea water (North sea)	●	●
Sodium bicarbonate (10%)	●	●
Sodium bisulphite liquor (pH 4,5)	■	■
Sodium carbonate (10%)	●	●
Sodium chloride	●	●
Sodium hydroxide (caustic soda solution)	●	●
Sodium hypochlorite (bleaching		
sol. about 12,5% active chlorine)	▲	■
Sodium orthophosphate, monobasic (10%)	●	●
Sodium orthophosphate, di-/tri-basic (10%)	●	●
Soya bean oil	●	●
Sulphur dioxide gas	■	■
Sulphuric acid (10%)*	●	■
Sulphuric acid (50%)	■	■
Tetrahydrofuran	▲	▲
®Tetralin (Henkel)	●	▲
Thiophene	▲	▲
Toluene	●	●
Transforrner oil (®Univolt 36, Esso)	●	●
Trichloroethylene	▲	▲
Urine	●	●
Water, distilled	●	●
Xylene	●	●

* Because of the acid or oxidizing nature of these chemicals, trials are recommended before prolonged contact with Rectus.

The results were obtained using injection-moulded, 1 mm thick test samples after a test duration of 60 days. During the test, the test samples were not under the influence of any external tension.

Media Chart O-Rings

● = little or no effect
▲ = weak to moderate effect
■ = strong attack to complete destruction
◆ = no data available; probably suitable; test before use
✖ = no data available; probably not suitable

Media	**Seals**		
	NBR	FKM	EPDM
Acetone	■	■	●
Acetylene	●	●	●
Aero-engine oils JP 3/4/5/6	●	●	■
Ammonia, 100%	▲	■	●
Ammonium sulphate	●	●	●
Amyl acetate	■	■	●
Aniline	■	■	◆
Arsenic acid, aq.	●	●	●
Beer	●	●	●
Benzonic acid, aq.	●	●	●
Benzyl alcohol	◆	◆	✖
Black lye	▲	●	●
Borax, aq.	●	●	●
Boric acid, aq.	●	●	●
Brake fluids (glycol ether)	■	◆	●
Butadiene	●	●	■
Butane, gaseous	●	●	■
Butanol, aq.	●	▲	●
Butyl acetate	■	■	▲
Butyl alcohol	■	◆	●
Butyne diol	●	▲	●
Butyraldehyde	◆	◆	▲
Calcium nitrate, aq.	●	●	●
Calcium phosphate, aq.	●	●	●
Camphorated oil	●	▲	■
Carbon dioxide	●	●	●
Carbon dioxide, dry	●	●	●
Carbon disulphide	■	●	■
Carbon tetrachloride	■	●	■
Chloramine, aq.	●	◆	●
Chloride of lime, aq.	■	●	●
Chlorine	■	●	●
Chlorine water, saturated	■	●	●
Chromic acid, aq.	■	●	✖
Citric acid, aq.	●	●	●
Coconut fat	●	●	■
Coconut oil	●	●	■
Coking-oven gas	■	●	■
Crude oil	●	●	■
Cyclohexane	●	●	■
Cyclohexanol	●	◆	■
Desmophen 2000	●	✖	✖
Detergent, synthetic	●	●	●
Detergens	●	▲	●
Dextrin, aq.	●	●	●
Dichloracetic acid	■	■	●
Diesel fuel	●	●	■
Diglycolic acid, aq.	▲	●	●
Dimethyl ether	■	■	●
Dimethylamine	■	■	●
Engine oils	●	●	■
Ethane	●	●	■
Ethyl acrylate	■	■	✖

	NBR	FKM	EPDM
Ethyl benzene	■	▲	■
Ethyl chloride	▲	▲	▲
Ethylene chloride	▲	▲	▲
Ethylene diamine	■	■	●
Ethylene glycol	●	●	●
Fatty acids	▲	●	◆
Flourosilicic acid, aq.	●	●	●
Fish oil	●	●	▲
Formaldehyde, aq.	▲	◆	●
Formamide	■	▲	●
Gas oil	●	●	■
Glucose, aq.	●	●	●
Glycerol, aq.	●	●	●
Glycol, aq.	●	●	●
Glycolic acid, aq. 37%	●	●	●
Heptane	●	●	■
Hexachlorobutadiene	■	●	◆
Hexane	●	●	■
Hydrochloric acid	▲	●	●
Hydrogen	●	●	●
Hydrogen chloride gas	■	●	●
Hydrogen sulphide, dry aqueous	▲	●	●
Hydrosulphite, aq.	▲	◆	●
Isooctane	●	●	■
Isopropyl alcohol	▲	▲	●
Lactic acid, aq.	●	●	●
Lavender oil	▲	●	◆
Lead acetat, aq.	●	●	●
Lithium bromide, aq.	●	●	●
Machine oil, mineral	●	●	■
Magnesium sulphate, aq.	●	●	●
Mercury salts, aq.	●	●	●
Methane	●	●	▲
Methyl alcohol	▲	■	●
Mineral oil	●	●	■
Mustard gas	●	◆	●
Nitrogen tetroxide	◆	◆	■
Nitrogen	●	●	●
Nitroglycol, aq.	■	●	●
Octane	✖	●	◆
Oleic acid	●	●	■
Paraffin/Paraffin oil	●	●	■
Petrol	●	●	■
Petroleum	●	●	■
Propylene glycol	●	●	●
Sea water	●	●	●
Silicone grease/Silicone oil	●	●	●
Soda, aq.	●	●	●
Sodium chlorate	■	●	●
Sodium chloride	●	●	●
Sodium nitrate, aq.	●	●	●
Sodium phosphate, aq.	●	●	●
Steam	▲	●	●
Styrene	■	▲	■
Sulphur	◆	●	●
Sulphur trioxide	◆	●	▲
Sulphuric acid	▲	●	●
Sulphuryl chloride	■	●	▲
Tartaric acid, aq.	●	●	●
Titanium tetrachloride	●	▲	●
Town gas, benzene-free	●	●	■

Single Shut-Off
Double Shut-Off

Nominal Diameter

5 = 20 mm²

RECTUS Series

21KB

actual size

Technical Description

Mini industrial coupling made of POM and PVDF with the world's most commonly used profile. Above average flow performance for liquid and gaseous media. A new type of locking system made of thermoplastic with a non-slip sleeve considerably expands the application possibilities of this small quick connect coupling.

Advantages

Single handed operation. Two different sleeve designs. The coupling is fitted with a double shut-off valve which enables it to be connected to a single shut-off (non-valved) plug as well as a double shut-off (val-ved) plug. The coupling is also available as a straight-through coupling (without a valve). The 21 series eliminates the danger of mix-ups by color coding of the coupling and the respec-tive plug. This system guaran-tees the elimination of mix-ups when media are connected.

Working Pressure

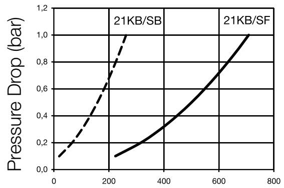
PB = 10 bar (POM, 20°C)
PB = 8 bar (PVDF, 20°C)
maximum static working pressure with safety factor of 4 to 1.

Working Temperature

-20°C up to +80°C (POM)
-20°C up to +120 (PVDF)
depending on the medium.

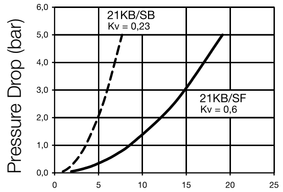
Chart

Air



Flow Rate in l/min

Water



Flow Rate in l/min

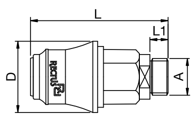
Material	RectuPom Standard	RectuChem Standard
Coupling		
Valve Body	POM, black	PVDF, white
Sleeve	POM, black	PVDF, white
Valve	POM, black	PVDF, white
Spring	AISI 301	AISI 316 Ti
Locking System	POM, black	PVDF, white
Seals	NBR	FKM
Back Body	POM, black	PVDF, white
Plug		
Plug Profile	POM, black	PVDF, white
Valve	POM, black	PVDF, white
Spring	AISI 301	1.4571
Adapter	POM, black	PVDF, white
Seal	NBR	FKM

You will find the following alternative versions in our current catalogue on page:

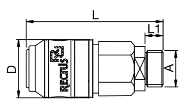
- Stainless Steel Sinlge shut-off P. 185
- Stainless Steel Doube shut-off P. 205
- Brass/Steel P. 34
- Safety P. 266
- Coded Systems P. 300

Couplings — RECTUS Series 21KB

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color Sleeve	Rectu POM Part Number	Rectu CHEM Part Number
Ergonomical Sleeve	G 1/8 o.	17	50	25,5	7					Standard	21KB AW10 DPX	21KB AW10 FVX
Straight Sleeve	G 1/8 o.	17	50	21	7					Standard	21KB AW10 DPXG	21KB AW10 FVXG
										blue	21KB AW10 DPXGB	21KB AW10 FVXGB
										green	21KB AW10 DPXGG	21KB AW10 FVXGG
										red	21KB AW10 DPXGR	21KB AW10 FVXGR
										yellow	21KB AW10 DPXGY	21KB AW10 FVXGY

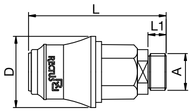
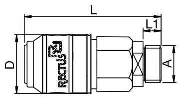
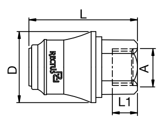
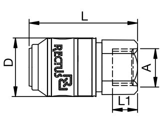
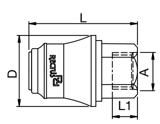
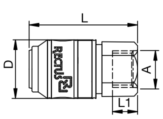
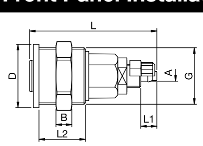
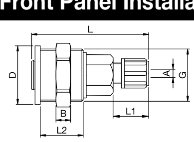


Male Thread



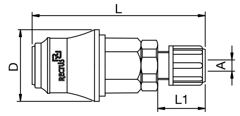
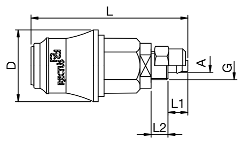
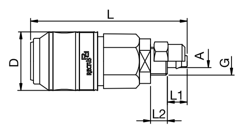
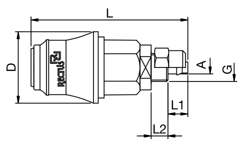
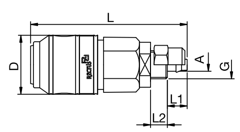
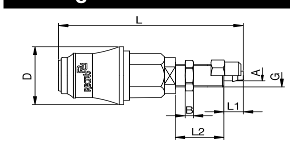
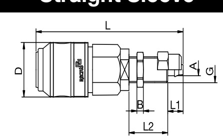
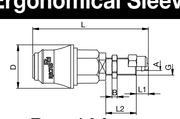
Male Thread

Couplings — RECTUS Series 21KB

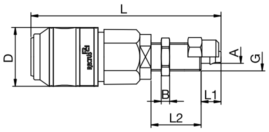
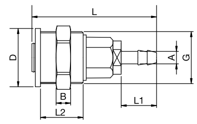
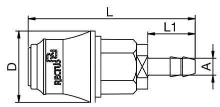
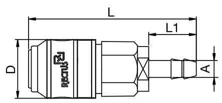
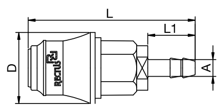
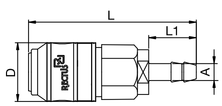
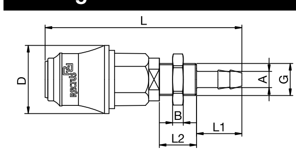
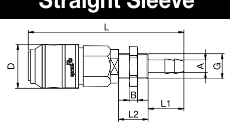
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color Sleeve	Rectu POM Part Number	Rectu CHEM Part Number
Ergonomical Sleeve	G 1/4 o.	17	50	25,5	7					Standard	21KB AW13 DPX	21KB AW13 FVX
 Male Thread												
Straight Sleeve	G 1/4 o.	17	50	21	7					Standard	21KB AW13 DPXG	21KB AW13 FVXG
										blue	21KB AW13 DPXGB	21KB AW13 FVXGB
										green	21KB AW13 DPXGG	21KB AW13 FVXGG
										red	21KB AW13 DPXGR	21KB AW13 FVXGR
										yellow	21KB AW13 DPXGY	21KB AW13 FVXGY
Male Thread												
Ergonomical Sleeve	G 1/8 i.	17	53	25,5	8					Standard	21KB IW10 DPX	21KB IW10 FVX
 Female Thread												
Straight Sleeve	G 1/8 i.	17	53	21	8					Standard	21KB IW10 DPXG	21KB IW10 FVXG
										blue	21KB IW10 DPXGB	21KB IW10 FVXGB
										green	21KB IW10 DPXGG	21KB IW10 FVXGG
										red	21KB IW10 DPXGR	21KB IW10 FVXGR
										yellow	21KB IW10 DPXGY	21KB IW10 FVXGY
Female Thread												
Ergonomical Sleeve	G 1/4 i.	17	39	25,5	9					Standard	21KB IW13 DPX	21KB IW13 FVX
 Female Thread												
Straight Sleeve	G 1/4 i.	17	39	21	9					Standard	21KB IW13 DPXG	21KB IW13 FVXG
										blue	21KB IW13 DPXGB	21KB IW13 FVXGB
										green	21KB IW13 DPXGG	21KB IW13 FVXGG
										red	21KB IW13 DPXGR	21KB IW13 FVXGR
										yellow	21KB IW13 DPXGY	21KB IW13 FVXGY
Female Thread												
for Front Panel Installation	4 x 6 mm	17	56	28	7	20,5	27	7	M 25 x 1	Standard	21KB KE06 DPX	21KB KE06 FVX
	6 x 8 mm	17	56	28	7	20,5	27	7	M 25 x 1	Standard	21KB KE08 DPX	21KB KE08 FVX
 Panel Mount, Plastic Hose Connection												
for Front Panel Installation	4 x 6 mm	17	62	28	7	20,5	27	7	M 25 x 1	Standard		21KB FR06 FVX
	6 x 8 mm	17	66	28	7	20,5	27	7	M 25 x 1	Standard		21KB FR08 FVX
 for PVDF- and PE-Hoses												

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

Couplings — RECTUS Series 21KB

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color Sleeve	Rectu POM Part Number	Rectu CHEM Part Number
Ergonomical Sleeve	4 x 6 mm	17	62	25,5	17				M 10 x 1	Standard		21KB KP06 FVX
	6 x 8 mm	17	66	25,5	17				M 12 x 1	Standard		21KB KP08 FVX
for PVDF- and PE-Hoses												
Ergonomical Sleeve	4 x 6 mm	17	56	25,5	6	7			M 10 x 1	Standard	21KB KO06 DPX	21KB KO06 FVX
												
Plastic Hose Connection												
Straight Sleeve	4 x 6 mm	17	56	21	6	7			M 10 x 1	Standard	21KB KO06 DPXG	21KB KO06 FVXG
											21KB KO06 DPXGB	21KB KO06 FVXGB
											21KB KO06 DPXGG	21KB KO06 FVXGG
											21KB KO06 DPXGR	21KB KO06 FVXGR
											21KB KO06 DPXGY	21KB KO06 FVXGY
Plastic Hose Connection												
Ergonomical Sleeve	6 x 8 mm	17	56	21/25,5	6	7			M 12 x 1	Standard	21KB KO08 DPX	21KB KO08 FVX
												
Plastic Hose Connection												
Straight Sleeve	6 x 8 mm	17	56	21	6	7			M 12 x 1	Standard	21KB KO08 DPXG	21KB KO08 FVXG
										blue	21KB KO08 DPXGB	21KB KO08 FVXGB
										green	21KB KO08 DPXGG	21KB KO08 FVXGG
										red	21KB KO08 DPXGR	21KB KO08 FVXGR
										yellow	21KB KO08 DPXGY	21KB KO08 FVXGY
Plastic Hose Connection												
Ergonomical Sleeve	4 x 6 mm	17	68	25,5	7	18	14	4	M 10 x 1	Standard	21KB KS06 DPX	21KB KS06 FVX
												
Panel Mount, Plastic Hose Connection												
Straight Sleeve	4 x 6 mm	17	68	21	7	18	14	4	M 10 x 1	Standard	21KB KS06 DPXG	21KB KS06 FVXG
										blue	21KB KS06 DPXGB	21KB KS06 FVXGB
										green	21KB KS06 DPXGG	21KB KS06 FVXGG
										red	21KB KS06 DPXGR	21KB KS06 FVXGR
										yellow	21KB KS06 DPXGY	21KB KS06 FVXGY
Panel Mount, Plastic Hose Connection												
Ergonomical Sleeve	6 x 8 mm	17	68	25,5	7	18	17	4	M 12 x 1	Standard	21KB KS08 DPX	21KB KS08 FVX
												
Panel Mount, Plastic Hose Connection												

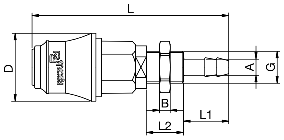
Couplings — RECTUS Series 21KB

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color Sleeve	Rectu POM Part Number	Rectu CHEM Part Number
Straight Sleeve	6 x 8 mm	17	68	21	7	18	17	4	M 12 x 1	Standard	21KB KS08 DPXG	21KB KS08 FVXG
										blue	21KB KS08 DPXGB	21KB KS08 FVXGB
										green	21KB KS08 DPXGG	21KB KS08 FVXGG
										red	21KB KS08 DPXGR	21KB KS08 FVXGR
										yellow	21KB KS08 DPXGY	21KB KS08 FVXGY
Panel Mount, Plastic Hose Connection												
for Front Panel Installation	4 mm	17	60	28	17	20,5	27	7	M 25 x 1	Standard	21KB TE04 DPX	21KB TE04 FVX
	6 mm	17	60	28	17	20,5	27	7	M 25 x 1	Standard	21KB TE06 DPX	21KB TE06 FVX
Hose Barb												
Ergonomical Sleeve	4 mm	17	60	25,5	17					Standard	21KB TF04 DPX	21KB TF04 FVX
												
Hose Barb												
Straight Sleeve	4 mm	17	60	21	17					Standard	21KB TF04 DPXG	21KB TF04 FVXG
										blue	21KB TF04 DPXGB	21KB TF04 FVXGB
										green	21KB TF04 DPXGG	21KB TF04 FVXGG
										red	21KB TF04 DPXGR	21KB TF04 FVXGR
										yellow	21KB TF04 DPXGY	21KB TF04 FVXGY
Hose Barb												
Ergonomical Sleeve	6 mm	17	60	25,5	17					Standard	21KB TF06 DPX	21KB TF06 FVX
												
Hose Barb												
Straight Sleeve	6 mm	17	60	21	17					Standard	21KB TF06 DPXG	21KB TF06 FVXG
										blue	21KB TF06 DPXGB	21KB TF06 FVXGB
										green	21KB TF06 DPXGG	21KB TF06 FVXGG
										red	21KB TF06 DPXGR	21KB TF06 FVXGR
										yellow	21KB TF06 DPXGY	21KB TF06 FVXGY
Hose Barb												
Ergonomical Sleeve	4 mm	17	74	25,5	17	14	14	4	M 10 x 1	Standard	21KB TS04 DPX	21KB TS04 FVX
												
Hose Barb, Panel Mount												
Straight Sleeve	4 mm	17	74	21	17	14	14	4	M 10 x 1	Standard	21KB TS04 DPXG	21KB TS04 FVXG
										blue	21KB TS04 DPXGB	21KB TS04 FVXGB
										green	21KB TS04 DPXGG	21KB TS04 FVXGG
										red	21KB TS04 DPXGR	21KB TS04 FVXGR
Hose Barb, Panel Mount										yellow	21KB TS04 DPXGY	21KB TS04 FVXGY

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

Couplings — RECTUS Series 21KB

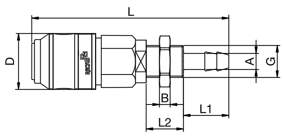
Ergonomical Sleeve



Hose Barb, Panel Mount

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color Sleeve	Rectu POM Part Number	Rectu CHEM Part Number
6 mm	17	74	25,5	17	14	14	4	M 10 x 1	Standard	21KB TS06 DPX	21KB TS06 FVX

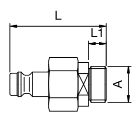
Straight Sleeve



Hose Barb, Panel Mount

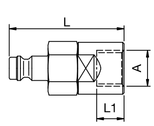
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color Sleeve	Rectu POM Part Number	Rectu CHEM Part Number
6 mm	17	74	21	17	14	17	4	M 12 x 1	Standard	21KB TS06 DPXG	21KB TS06 FVXG
									blue	21KB TS06 DPXGB	21KB TS06 FVXGB
									green	21KB TS06 DPXGG	21KB TS06 FVXGG
									red	21KB TS06 DPXGR	21KB TS06 FVXGR
									yellow	21KB TS06 DPXGY	21KB TS06 FVXGY

Valved Plugs — RECTUS Series 21SB



Male Thread

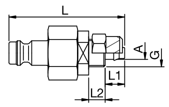
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number
G 1/8 o.	17	36		7					Standard	21SB AW10 DPX	21SB AW10 FVX
									blue	21SB AW10 DPXB	21SB AW10 FVXB
									green	21SB AW10 DPXG	21SB AW10 FVXG
									red	21SB AW10 DPXR	21SB AW10 FVXR
									yellow	21SB AW10 DPXY	21SB AW10 FVXY
G 1/4 o.	17	38		7					Standard	21SB AW13 DPX	21SB AW13 FVX
									blue	21SB AW13 DPXB	21SB AW13 FVXB
									green	21SB AW13 DPXG	21SB AW13 FVXG
									red	21SB AW13 DPXR	21SB AW13 FVXR
									yellow	21SB AW13 DPXY	21SB AW13 FVXY



Female Thread

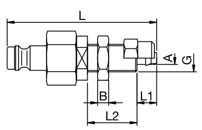
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number
G 1/8 i.	17	39		8					Standard	21SB IW10 DPX	21SB IW10 FVX
									blue	21SB IW10 DPXB	21SB IW10 FVXB
									green	21SB IW10 DPXG	21SB IW10 FVXG
									red	21SB IW10 DPXR	21SB IW10 FVXR
									yellow	21SB IW10 DPXY	21SB IW10 FVXY
G 1/4 i.	17	42		10					Standard	21SB IW13 DPX	21SB IW13 FVX
									blue	21SB IW13 DPXB	21SB IW13 FVXB
									green	21SB IW13 DPXG	21SB IW13 FVXG
									red	21SB IW13 DPXR	21SB IW13 FVXR
									yellow	21SB IW13 DPXY	21SB IW13 FVXY

Valved Plugs — RECTUS Series 21SB



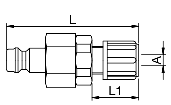
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number
4 x 6 mm	17	42		7	6				Standard	21SB KO06 DPX	21SB KO06 FVX
									blue	21SB KO06 DPXB	21SB KO06 FVXB
									green	21SB KO06 DPXG	21SB KO06 FVXG
									red	21SB KO06 DPXR	21SB KO06 FVXR
									yellow	21SB KO06 DPXY	21SB KO06 FVXY
6 x 8 mm	17	42		7	6				Standard	21SB KO08 DPX	21SB KO08 FVX
									blue	21SB KO08 DPXB	21SB KO08 FVXB
									green	21SB KO08 DPXG	21SB KO08 FVXG
									red	21SB KO08 DPXR	21SB KO08 FVXR
									yellow	21SB KO08 DPXY	21SB KO08 FVXY



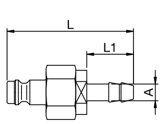
Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number
4 x 6 mm	17	54		7	18	14	4	M 10 x 1	Standard	21SB KS06 DPX	21SB KS06 FVX
									blue	21SB KS06 DPXB	21SB KS06 FVXB
									green	21SB KS06 DPXG	21SB KS06 FVXG
									red	21SB KS06 DPXR	21SB KS06 FVXR
									yellow	21SB KS06 DPXY	21SB KS06 FVXY
6 x 8 mm	17	54		7	18	17	4	M 12 x 1	Standard	21SB KS08 DPX	21SB KS08 FVX
									blue	21SB KS08 DPXB	21SB KS08 FVXB
									green	21SB KS08 DPXG	21SB KS08 FVXG
									red	21SB KS08 DPXR	21SB KS08 FVXR
									yellow	21SB KS08 DPXY	21SB KS08 FVXY



Panel Mount,
for PVDF- and PE-Hoses

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number
4 x 6 mm	17	48		28					Standard		21SB KP06 FVX
									blue		21SB KP06 FVXB
									green		21SB KP06 FVXG
									red		21SB KP06 FVXR
									yellow		21SB KP06 FVXY
6 x 8 mm	17	52		28					Standard		21SB KP08 FVX
									blue		21SB KP08 FVXB
									green		21SB KP08 FVXG
									red		21SB KP08 FVXR
									yellow		21SB KP08 FVXY

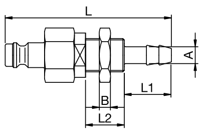


Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number
4 mm	17	46		17					Standard	21SB TF04 DPX	21SB TF04 FVX
									blue	21SB TF04 DPXB	21SB TF04 FVXB
									green	21SB TF04 DPXG	21SB TF04 FVXG
									red	21SB TF04 DPXR	21SB TF04 FVXR
									yellow	21SB TF04 DPXY	21SB TF04 FVXY
6 mm	17	46		17					Standard	21SB TF06 DPX	21SB TF06 FVX
									blue	21SB TF06 DPXB	21SB TF06 FVXB
									green	21SB TF06 DPXG	21SB TF06 FVXG
									red	21SB TF06 DPXR	21SB TF06 FVXR
									yellow	21SB TF06 DPXY	21SB TF06 FVXY

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

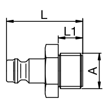
Valved Plugs — RECTUS Series 21SB



Panel Mount, Hose Barb

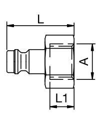
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number
4 mm	17	60		7	14	14	4	M 10 x 1	Standard	21SB TS04 DPX	21SB TS04 FVX
									blue	21SB TS04 DPXB	21SB TS04 FVXB
									green	21SB TS04 DPXG	21SB TS04 FVXG
									red	21SB TS04 DPXR	21SB TS04 FVXR
									yellow	21SB TS04 DPXY	21SB TS04 FVXY
6 mm	17	60		7	14	17	4	M 12 x 1	Standard	21SB TS06 DPX	21SB TS06 FVX
									blue	21SB TS06 DPXB	21SB TS06 FVXB
									green	21SB TS06 DPXG	21SB TS06FVXG
									red	21SB TS06 DPXR	21SB TS06 FVXR
									yellow	21SB TS06 DPXY	21SB TS06 FVXY

Plugs — RECTUS Series 21SF



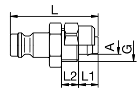
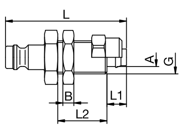
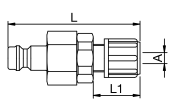
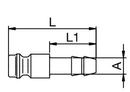
Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number
G 1/8 o.	14	25		7					Standard	21SF AW10 DXX	21SF AW10 FXX
									blue	21SF AW10 DPXB	21SF AW10 FVXB
									green	21SF AW10 DPXG	21SF AW10 FVXG
									red	21SF AW10 DPXR	21SF AW10 FVXR
									yellow	21SF AW10 DPXY	21SF AW10 FVXY
G 1/4 o.	17	28		9					Standard	21SF AW13 DXX	21SF AW13 FXX
									blue	21SF AW13 DPXB	21SF AW13 FVXB
									green	21SF AW13 DPXG	21SF AW13 FVXG
									red	21SF AW13 DPXR	21SF AW13 FVXR
									yellow	21SF AW13 DPXY	21SF AW13 FVXY



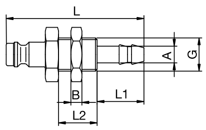
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number
G 1/8 i.	14	24		8					Standard	21SF IW10 DXX	21SF IW10 FXX
									blue	21SF IW10 DPXB	21SF IW10 FVXB
									green	21SF IW10 DPXG	21SF IW10 FVXG
									red	21SF IW10 DPXR	21SF IW10 FVXR
									yellow	21SF IW10 DPXY	21SF IW10 FVXY
G 1/4 i.	17	25		9					Standard	21SF IW13 DXX	21SF IW13 FXX
									blue	21SF IW13 DPXB	21SF IW13 FXXB
									green	21SF IW13 DPXG	21SF IW13 FXXG
									red	21SF IW13 DPXR	21SF IW13 FXXR
									yellow	21SF IW13 DPXY	21SF IW13 FXXY

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number
 Plastic Hose Connection	4 x 6 mm	14	32		7	6			M 10 x 1	Standard	21SF KO06 DXX	21SF KO06 FXX
										blue	21SF KO06 DPXB	21SF KO06 FVXB
										green	21SF KO06 DPXG	21SF KO06 FVXG
										red	21SF KO06 DPXR	21SF KO06 FVXR
										yellow	21SF KO06 DPXY	21SF KO06 FVXY
	6 x 8 mm	14	32		7	6			M 12 x 1	Standard	21SF KO08 DXX	21SF KO08 FXX
										blue	21SF KO08 DPXB	21SF KO08 FVXB
										green	21SF KO08 DPXG	21SF KO08 FVXG
										red	21SF KO08 DPXR	21SF KO08 FVXR
										yellow	21SF KO08 DPXY	21SF KO08 FVXY
 Panel Mount, for Plastic Hose Connection	4 x 6 mm	14	44		7	18	14	4	M 10 x 1	Standard	21SF KS06 DXX	21SF KS06 FXX
										blue	21SF KS06 DPXB	21SF KS06 FVXB
										green	21SF KS06 DPXG	21SF KS06 FVXG
										red	21SF KS06 DPXR	21SF KS06 FVXR
										yellow	21SF KS06 DPXY	21SF KS06 FVXY
	6 x 8 mm	14	44		7	18	14	4	M 12 x 1	Standard	21SF KS08 DXX	21SF KS08 FXX
										blue	21SF KS08 DPXB	21SF KS08 FVXB
										green	21SF KS08 DPXG	21SF KS08 FVXG
										red	21SF KS08 DPXR	21SF KS08 FVXR
										yellow	21SF KS08 DPXY	21SF KS08 FVXY
 Panel Mount for PVDF- and PE-Hoses	4 x 6 mm	17	48		28					Standard		21SF KP06 FVX
										blue		21SF KP06 FVXB
										green		21SF KP06 FVXG
										red		21SF KP06 FVXR
										yellow		21SF KP06 FVXY
	6 x 8 mm	17	52		28					Standard		21SF KP08 FVX
										blue		21SF KP08 FVXB
										green		21SF KP08 FVXG
										red		21SF KP08 FVXR
										yellow		21SF KP08 FVXY
 Hose Barb	4 mm		32		17					Standard	21SF TF04 DXX	21SF TF04 FXX
										blue	21SF TF04 DPXB	21SF TF04 FVXB
										green	21SF TF04 DPXG	21SF TF04 FVXG
										red	21SF TF04 DPXR	21SF TF04 FVXR
										yellow	21SF TF04 DPXY	21SF TF04 FVXY
	6 mm		32		17					Standard	21SF TF06 DXX	21SF TF06 FXX
										blue	21SF TF06 DPXB	21SF TF06 FVXB
										green	21SF TF06 DPXG	21SF TF06 FVXG
										red	21SF TF06 DPXR	21SF TF06 FVXR
										yellow	21SF TF06 DPXY	21SF TF06 FVXY

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

Plugs RECTUS Series 21SF



Panel Mount
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number
4 mm	14	50		17	14	14	4	M 10 x 1	Standard	21SF TS04 DXX	21SF TS04 FXX
									blue	21SF TS04 DPXB	21SF TS04 FVXB
									green	21SF TS04 DPXG	21SF TS04 FVXG
									red	21SF TS04 DPXR	21SF TS04 FVXR
									yellow	21SF TS04 DPXY	21SF TS04 FVXY
6 mm	14	50		17	14	17	4	M 12 x 1	Standard	21SF TS06 DXX	21SF TS06 FXX
									blue	21SF TS06 DPXB	21SF TS06 FVXB
									green	21SF TS06 DPXG	21SF TS06 FVXG
									red	21SF TS06 DPXR	21SF TS06 FVXR
									yellow	21SF TS06 DPXY	21SF TS06 FVXY

RECTUS Series

48KB

Nominal Diameter

38 mm² = 7

Double Shut-Off

Single Shut-Off

Technical Description
The 48 series coupling system made of POM and PVDF has been developed for use in the medical, chemical, food handling, pharmaceutical and laboratory technology industries. The coupling is also available in a completely thermoplastic version (RectuChem+). Here the metal springs are replaced by springs made of PEEK, an extremely resistant synthetic material.

Advantages
Single handed operation.
No mix up due to our color coded sleeves and plugs.
The coupling is fitted with a double shut-off valve which enables it to be connected to a single shut-off (non-valved) plug as well as a double shut-off (i.e. plug with valve). The coupling is also available as a straight through coupling.

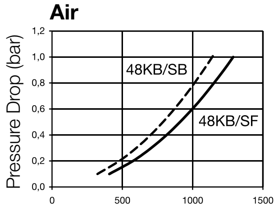
Working Pressure
PB = 0 - 10 bar (POM, at 20°C)
PB = 0 - 8 bar (PVDF, springs made of steel)
PB = 1 - 8 bar (PVDF, springs made of PEEK),
maximum static working pressure with safety factor of 4 to 1.

Working Temperature
-20°C up to +80°C (POM)
-20°C up to +120 (PVDF)
depending on the medium.

75% of actual size

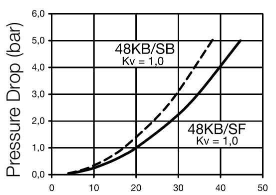
Chart

Air



Flow Rate in l/min

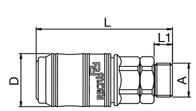
Water



Flow Rate in l/min

Material	**RectuPom**	**RectuChem**	**RectuChem+**
Coupling			
Valve Body	POM, black	PVDF, white	PVDF, white
Sleeve	POM, black	PVDF, white	PVDF, white
Valve	POM, black	PVDF, white	PVDF, white
Springs	AISI 316 Ti	AISI 316 Ti	PEEK 450G
Locking System	POM,black	PVDF, white	PEEK 450G
Seals	NBR	FKM	FKM
Back Body	POM, black	PVDF, white	PVDF, white
Plug			
Plug Profile	POM, black	PVDF, white	PVDF, white
Valve	POM, black	PVDF, white	PVDF, white
Spring	AISI 316 Ti	AISI 316 Ti	PEEK 450G
Adapter	POM, black	PVDF, white	PVDF, white
Seal	NBR	FKM	FKM

Couplings — RECTUS Series 48KB

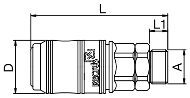
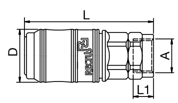
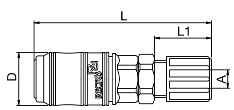
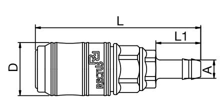


Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color Sleeve	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number
G 1/4 o.	21	70,5	26	9					Standard	48KB AW13 DPX	48KB AW13 FVX	48KB AW13 FVP
									blue	48KB AW13 DPXB	48KB AW13 FVXB	48KB AW13 FVPB
									green	48KB AW13 DPXG	48KB AW13 FVXG	48KB AW13 FVPG
									red	48KB AW13 DPXR	48KB AW13 FVXR	48KB AW13 FVPR
									yellow	48KB AW13 DPXY	48KB AW13 FVXY	48KB AW13 FVPY
G 3/8 o.	21	67	26	9					Standard	48KB AW17 DPX	48KB AW17 FVX	48KB AW17 FVP
									blue	48KB AW17 DPXB	48KB AW17 FVXB	48KB AW17 FVPB
									green	48KB AW17 DPXG	48KB AW17 FVXG	48KB AW17 FVPG
									red	48KB AW17 DPXR	48KB AW17 FVXR	48KB AW17 FVPR
									yellow	48KB AW17 DPXY	48KB AW17 FVXY	48KB AW17 FVPY

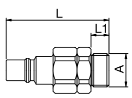
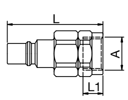
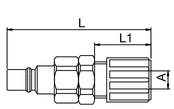
⚠ Please consider our security advices on the pages 12/13 ⚠

Couplings — RECTUS Series 48KB

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color Sleeve	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number
 Male Thread	G 1/2 o.	21	73,5	26	12					Standard	48KB AW21 DPX	48KB AW21 FVX	48KB AW21 FVP
										blue	48KB AW21 DPXB	48KB AW21 FVXB	48KB AW21 FVPB
										green	48KB AW21 DPXG	48KB AW21 FVXG	48KB AW21 FVPG
										red	48KB AW21 DPXR	48KB AW21 FVXR	48KB AW21 FVPR
										yellow	48KB AW21 DPXY	48KB AW21 FVXY	48KB AW21 FVPY
 Female Thread	G 1/4 i.	21	63,5	26	10					Standard	48KB IW13 DPX	48KB IW13 FVX	48KB IW13 FVP
										blue	48KB IW13 DPXB	48KB IW13 FVXB	48KB IW13 FVPB
										green	48KB IW13 DPXG	48KB IW13 FVXG	48KB IW13 FVPG
										red	48KB IW13 DPXR	48KB IW13 FVXR	48KB IW13 FVPR
										yellow	48KB IW13 DPXY	48KB IW13 FVXY	48KB IW13 FVPY
	G 3/8 i.	21	63,5	26	13					Standard	48KB IW17 DPX	48KB IW17 FVX	48KB IW17 FVP
										blue	48KB IW17 DPXB	48KB IW17 FVXB	48KB IW17 FVPB
										green	48KB IW17 DPXG	48KB IW17 FVXG	48KB IW17 FVPG
										red	48KB IW17 DPXR	48KB IW17 FVXR	48KB IW17 FVPR
										yellow	48KB IW17 DPXY	48KB AW17 FVXY	48KB IW17 FVPY
	G 1/2 i.	21	74,5	26	13					Standard	48KB IW21 DPX	48KB IW21 FVX	48KB IW21 FVP
										blue	48KB IW21 DPXB	48KB IW21 FVXB	48KB IW21 FVPB
										green	48KB IW21 DPXG	48KB IW21 FVXG	48KB IW21 FVPG
										red	48KB IW21 DPXR	48KB IW21 FVXR	48KB IW21 FVPR
										yellow	48KB IW21 DPXY	48KB IW21 FVXY	48KB IW21 FVPY
 for PVDF- and PE-Hoses	6 x 8 mm	21	80	26	21					Standard		48KB KP08 FVX	48KB KP08 FVP
	9 x 12 mm	21	87	26	28					Standard		48KB KP12 FVX	48KB KP12 FVP
	10 x 12 mm	21	87	26	28					Standard		48KB KP12 FVXS	48KB KP12 FVPS
 Hose Barb	6 mm	21	81	26	22					Standard	48KB TF06 DPX	48KB TF06 FVX	48KB TF06 FVP
										blue	48KB TF06 DPXB	48KB TF06 FVXB	48KB TF06 FVPB
										green	48KB TF06 DPXG	48KB TF06 FVXG	48KB TF06 FVPG
										red	48KB TF06 DPXR	48KB TF06 FVXR	48KB TF06 FVPR
										yellow	48KB TF06 DPXY	48KB TF06 FVXY	48KB TF06 FVPY
	9 mm	21	81	26	22					Standard	48KB TF09 DPX	48KB TF09 FVX	48KB TF09 FVP
										blue	48KB TF09 DPXB	48KB TF09 FVXB	48KB TF09 FVPB
										green	48KB TF09 DPXG	48KB TF09 FVXG	48KB TF09 FVPG
										red	48KB TF09 DPXR	48KB TF09 FVXR	48KB TF09 FVPR
										yellow	48KB TF09 DPXY	48KB TF09 FVXY	48KB TF09 FVPY
	13 mm	21	84	26	25					Standard	48KB TF13 DPX	48KB TF13 FVX	48KB TF13 FVP
										blue	48KB TF13 DPXB	48KB TF13 FVXB	48KB TF13 FVPB
										green	48KB TF13 DPXG	48KB TF13 FVXG	48KB TF13 FVPG
										red	48KB TF13 DPXR	48KB TF13 FVXR	48KB TF13 FVPR
										yellow	48KB TF13 DPXY	48KB TF13 FVXY	48KB TF13 FVPY

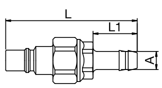
Valved Plugs

RECTUS Series 48SB

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number
 Male Thread	G 1/4 o.	21	55		9					Standard	48SB AW13 DPX	48SB AW13 FVX	48SB AW13 FVP
										blue	48SB AW13 DPXB	48SB AW13 FVXB	48SB AW13 FVPB
										green	48SB AW13 DPXG	48SB AW13 FVXG	48SB AW13 FVPG
										red	48SB AW13 DPXR	48SB AW13 FVXR	48SB AW13 FVPR
										yellow	48SB AW13 DPXY	48SB AW13 FVXY	48SB AW13 FVPY
	G 3/8 o.	21	51,5		9					Standard	48SB AW17 DPX	48SB AW17 FVX	48SB AW17 FVP
										blue	48SB AW17 DPXB	48SB AW17 FVXB	48SB AW17 FVPB
										green	48SB AW17 DPXG	48SB AW17 FVXG	48SB AW17 FVPG
										red	48SB AW17 DPXR	48SB AW17 FVXR	48SB AW17 FVPR
										yellow	48SB AW17 DPXY	48SB AW17 FVXY	48SB AW17 FVPY
	G 1/2 o.	21	58		12					Standard	48SB AW21 DPX	48SB AW21 FVX	48SB AW21 FVP
										blue	48SB AW21 DPXB	48SB AW21 FVXB	48SB AW21 FVPB
										green	48SB AW21 DPXG	48SB AW21 FVXG	48SB AW21 FVPG
										red	48SB AW21 DPXR	48SB AW21 FVXR	48SB AW21 FVPR
										yellow	48SB AW21 DPXY	48SB AW21 FVXY	48SB AW21 FVPY
 Female Thread	G 1/4 i.	21	48		10					Standard	48SB IW13 DPX	48SB IW13 FVX	48SB IW13 FVP
										blue	48SB IW13 DPXB	48SB IW13 FVXB	48SB IW13 FVPB
										green	48SB IW13 DPXG	48SB IW13 FVXG	48SB IW13 FVPG
										red	48SB IW13 DPXR	48SB IW13 FVXR	48SB IW13 FVPR
										yellow	48SB IW13 DPXY	48SB IW13 FVXY	48SB IW13 FVPY
	G 3/8 i.	21	48		10					Standard	48SB IW17 DPX	48SB IW17 FVX	48SB IW17 FVP
										blue	48SB IW17 DPXB	48SB IW17 FVXB	48SB IW17 FVPB
										green	48SB IW17 DPXG	48SB IW17 FVXG	48SB IW17 FVPG
										red	48SB IW17 DPXR	48SB IW17 FVXR	48SB IW17 FVPR
										yellow	48SB IW17 DPXY	48SB IW17 FVXY	48SB IW17 FVPY
	G 1/2 i.	21	59		13					Standard	48SB IW21 DPX	48SB IW21 FVX	48SB IW21 FVP
										blue	48SB IW21 DPXB	48SB IW21 FVXB	48SB IW21 FVPB
										green	48SB IW21 DPXG	48SB IW21 FVXG	48SB IW21 FVPG
										red	48SB IW21 DPXR	48SB IW21 FVXR	48SB IW21 FVPR
										yellow	48SB IW21 DPXY	48SB IW21 FVXY	48SB IW21 FVPY
 for PVDF- and PE-Hoses	6 x 8 mm	21	64,5		21					Standard		48SB KP08 FVX	48SB KP08 FVP
	9 x 12 mm	21	71,5		28					Standard		48SB KP12 FVX	48SB KP12 FVP
	10 x 12 mm	21	71,5		28					Standard		48SB KP12 FVXS	48SB KP12 FVPS

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

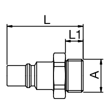
Valved Plugs — RECTUS Series 48SB



Hose Barb

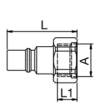
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number
6 mm	21	65,5		22					Standard	48SB TF06 DPX	48SB TF06 FVX	48SB TF06 FVP
									blue	48SB TF06 DPXB	48SB TF06 FVXB	48SB TF06 FVPB
									green	48SB TF06 DPXG	48SB TF06 FVXG	48SB TF06 FVPG
									red	48SB TF06 DPXR	48SB TF06 FVXR	48SB TF06 FVPR
									yellow	48SB TF06 DPXY	48SB TF06 FVXY	48SB TF06 FVPY
9 mm	21	65,5		22					Standard	48SB TF09 DPX	48SB TF09 FVX	48SB TF09 FVP
									blue	48SB TF09 DPXB	48SB TF09 FVXB	48SB TF09 FVPB
									green	48SB TF09 DPXG	48SB TF09 FVXG	48SB TF09 FVPG
									red	48SB TF09 DPXR	48SB TF09 FVXR	48SB TF09 FVPR
									yellow	48SB TF09 DPXY	48SB TF09 FVXY	48SB TF09 FVPY
13 mm	21	68,5		25					Standard	48SB TF13 DPX	48SB TF13 FVX	48SB TF13 FVP
									blue	48SB TF13 DPXB	48SB TF13 FVXB	48SB TF13 FVPB
									green	48SB TF13 DPXG	48SB TF13 FVXG	48SB TF13 FVPG
									red	48SB TF13 DPXR	48SB TF13 FVXR	48SB TF13 FVPR
									yellow	48SB TF13 DPXY	48SB TF13 FVXY	48SB TF13 FVPY

Plugs — RECTUS Series 48SF



Male Thread

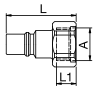
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number
G 1/4 o.	17	38,5		9					Standard	48SF AW13 DXX	48SF AW13 FXX	
									blue	48SF AW13 DPXB	48SF AW13 FVXB	
									green	48SF AW13 DPXG	48SF AW13 FVXG	
									red	48SF AW13 DPXR	48SF AW13 FVXR	
									yellow	48SF AW13 DPXY	48SF AW13 FVXY	
G 3/8 o.	21	38,5		9					Standard	48SF AW17 DXX	48SF AW17 FXX	
									blue	48SF AW17 DPXB	48SF AW17 FVXB	
									green	48SF AW17 DPXG	48SF AW17 FVXG	
									red	48SF AW17 DPXR	48SF AW17 FVXR	
									yellow	48SF AW17 DPXY	48SF AW17 FVXY	
G 1/2 o.	21	41,5		12					Standard	48SF AW21 DXX	48SF AW21 FXX	
									blue	48SF AW21 DPXB	48SF AW21 FVXB	
									green	48SF AW21 DPXG	48SF AW21 FVXG	
									red	48SF AW21 DPXR	48SF AW21 FVXR	
									yellow	48SF AW21 DPXY	48SF AW21 FVXY	



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number
G 1/4 i.	17	35,5		9					Standard	48SF IW13 DXX	48SF IW13 FXX	
									blue	48SF IW13 DPXB	48SF IW13 FVXB	
									green	48SF IW13 DPXG	48SF IW13 FVXG	
									red	48SF IW13 DPXR	48SF IW13 FVXR	
									yellow	48SF IW13 DPXY	48SF IW13 FVXY	

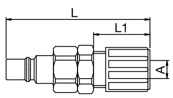
Plugs — RECTUS Series 48SF



Female Thread

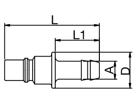
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number
G 3/8 i.	21	35,5		10					Standard	48SF IW17 DXX	48SF IW17 FXX	
									blue	48SF IW17 DXXB	48SF IW17 FXXB	
									green	48SF IW17 DXXG	48SF IW17 FXXG	
									red	48SF IW17 DXXR	48SF IW17 FXXR	
									yellow	48SF IW17 DXXY	48SF IW17 FXXY	
G 1/2 i.	24	59		13					Standard	48SF IW21 DXX	48SF IW21 FXX	
									blue	48SF IW21 DPXB	48SF IW21 FVXB	
									green	48SF IW21 DPXG	48SF IW21 FVXG	
									red	48SF IW21 DPXR	48SF IW21 FVXR	
									yellow	48SF IW21 DPXY	48SF IW21 FVXY	

Plugs — RECTUS Series 48SF



for PVDF- and PE-Hoses

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number
6 x 8 mm	21	64,5		21					Standard		48SF KP08 FVX	
9 x 12 mm	21	71,5		28					Standard		48SF KP12 FVX	
10 x 12 mm	21	71,5		28					Standard		48SF KP12 FVXS	



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Color	Rectu POM Part Number	Rectu CHEM Part Number	Rectu CHEM+ Part Number
6 mm		47	18	22					Standard	48SF TF06 DXX	48SF TF06 FXX	
									blue	48SF TF06 DPXB	48SF TF06 FVXB	
									green	48SF TF06 DPXG	48SF TF06 FVXG	
									red	48SF TF06 DPXR	48SF TF06 FVXR	
									yellow	48SF TF06 DPXY	48SF TF06 FVXY	
9 mm		47	18	22					Standard	48SF TF09 DXX	48SF TF09 FXX	
									blue	48SF TF09 DPXB	48SF TF09 FVXB	
									green	48SF TF09 DPXG	48SF TF09 FVXG	
									red	48SF TF09 DPXR	48SF TF09 FVXR	
									yellow	48SF TF09 DPXY	48SF TF09 FVXY	
13 mm		50	18	25					Standard	48SF TF13 DXX	48SF TF13 FXX	
									blue	48SF TF13 DPXB	48SF TF13 FVXB	
									green	48SF TF13 DPXG	48SF TF13 FVXG	
									red	48SF TF13 DPXR	48SF TF13 FVXR	
									yellow	48SF TF13 DPXY	48SF TF13 FVXY	

Double Shut-Off

Nominal Diameter

4,3 = 15 mm²

RECTUS Series

71KB


actual size

You will find the following alternative versions in our current catalogue on page:

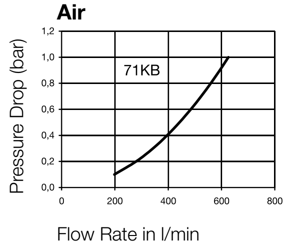
- Stainless Steel Double Shut-off P. 216
- Brass/Steel Double Shut-off P. 124

Technical Description

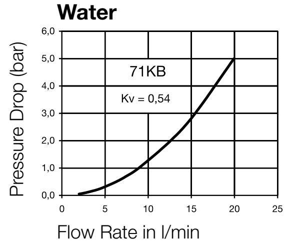
The 71KB series is a double shut-off hydraulic coupling used for liquid media. The plug profile is manufactured in accordance with ISO-7241-1, series B. All versions mentioned below are manufactured from non-rusting stainless steel or POM. This coupling requires two handed operation (the sleeve must be manually pulled back when connecting).

Chart

Air



Water



Advantages

Simple, yet rugged construction guarantees the highest safety.

Working Pressure

PB = 15 bar (at 50°C) maximum static working pressure with safety factor of 4 to 1.

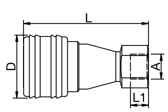
Working Temperature*

-20°C up to +90°C (NBR)
-40°C up to +90°C (EPDM)
-15°C up to +90°C (FKM)
depending on the medium.

*At a temperature below -20°C and above +90°C special seals are available on request.

Material	Standard
Coupling	
Valve Body	POM, white
Sleeve	POM, white
Valve	AISI 303
Spring and Locking Ring	AISI 301
Locking Balls	AISI 316
Seals	NBR
Spring Plate	AISI 301
Plug	
Plug Profile	POM, white
Valve	AISI 303
Spring	AISI 301
Seal	NBR
Spring Plate	AISI 301

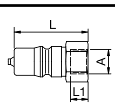
Coupling — RECTUS Series 71KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	48,5	24,5	7					Standard	71KB IW10 DPX

Valved Plug — RECTUS Series 71KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	29,5		7					Standard	71SB IW10 DPX

72KB

Nominal Diameter

28 mm² = **6**

Double Shut-Off

Technical Description
The 72KB series is a double shut-off hydraulic coupling used for liquid media. The plug profile is manufactured in accordance with ISO-7241-1, series B. All versions mentioned below are manufactured from non-rusting stainless steel or POM. This coupling requires two handed operation (the sleeve must be manually pulled back when connecting).

Advantages
Simple, yet rugged construction guarantees the highest safety.

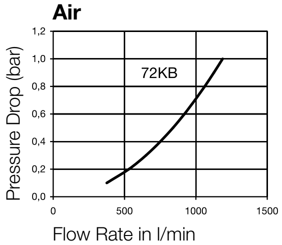
Working Pressure
PB = 15 bar (at 50°C) maximum static working pressure with safety factor of 4 to 1.

Working Temperature*
-20°C up to +90°C (NBR)
-40°C up to +90°C (EPDM)
-15°C up to +90°C (FKM)
0°C up to +90°C (FFKM)
depending on the medium.

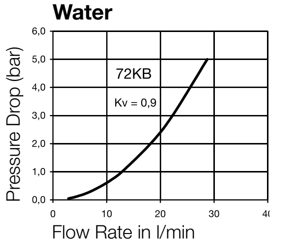
*At a temperature below -20°C and above +90°C special seals are available on request.

Chart

Air



Water

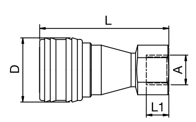


Material	**Standard**
Coupling	
Valve Body	POM, white
Sleeve	POM, white
Valve	AISi 303
Spring and Locking Ring	AISI 301
Locking Balls	AISI 316
Seals	NBR
Spring Plate	AISI 301
Plug	
Plug Profile	POM, white
Valve	AISI 303
Spring	AISI 301
Spring Plate	AISI 301
Seal	NBR

You will find the following alternative versions in our current catalogue on page:

- Stainless Steel Double Shut-off P. 217
- Brass/Steel Double Shut-off P. 134

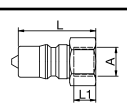
Coupling — RECTUS Series 72KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	57,5	28,5	10					Standard	72KB IW13 DPX

Valved Plug — RECTUS Series 72KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	35		10					Standard	72SB IW13 DPX

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

Double Shut-Off

Nominal Diameter

7,5 = 44 mm²

RECTUS Series

73KB

85% of actual size

You will find the following alternative versions in our current catalogue on page:

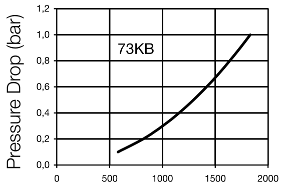
- Stainless Steel Double Shut-off P. 218
- Brass/Steel Double Shut-off P. 144

Technical Description

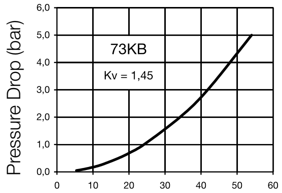
The 73KB series is a double shut-off hydraulic coupling used for liquid media. The plug profile is manufactured in accordance with ISO-7421-1, series B. All versions mentioned below are manufactured from non-rusting stainless steel or POM. This coupling requires two handed operation (the sleeve must be manually pulled back when connecting).

Chart

Air



Water



Advantages

Simple, yet rugged construction guarantees the highest safety.

Working Pressure

PB = 15 bar (at 50°C) maximum static working pressure with safety factor of 4 to 1.

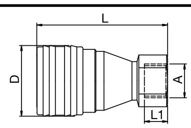
Working Temperature*

-20°C up to +90°C (NBR)
-40°C up to +90°C (EPDM)
-15°C up to +90°C (FKM)
0°C up to 90°C (FFKM)
depending on the medium.

*At a temperature below -20°C and above +90°C special seals are available on request.

Material	Standard
Coupling	
Back Body	POM, white
Sleeve	POM, white
Valve	AISi 303
Spring and Locking Ring	AISI 301
Locking Balls	AISI 316
Seals	NBR
Spring Plate	AISI 301
Plug	
Plug Profile	POM, white
Valve	AISI 303
Spring	AISI 301
Spring Plate	AISI 301
Seal	NBR

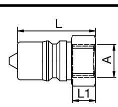
Coupling — RECTUS Series 73KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	22	64	35	11,5					Standard	73KB IW17 DPX

Valved Plug — RECTUS Series 73KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/8	22	39		11,5					Standard	73SB IW17 DPX

RECTUS Series

74KB

Nominal Diameter

95 mm² = 11

Double Shut-Off

Technical Description
The 74KB series is a double shut-off hydraulic coupling used for liquid media. The plug profile is manufactured in accordance with ISO-7421-1, series B. All versions mentioned below are manufactured from non-rusting stainless steel or POM. This coupling requires two handed operation (the sleeve must be manually pulled back when connecting).

Advantages
Simple, yet rugged construction guarantees the highest safety.

Working Pressure
PB = 10 bar (at 50°C), maximum static working pressure with safety factor of 4 to 1.

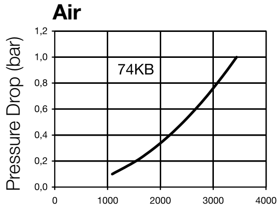
Working Temperature*
-20°C bis +90°C (NBR)
-40°C bis +90 (EPDM)
-15°C bis +90°C (FKM)
0°C bis +90°C (FFKM)
depending on the medium.

*At a temperature below -20°C and above +90°C special seals are available on request.

75% of actual size

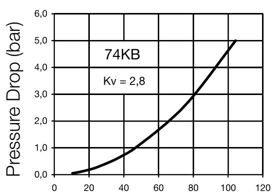
Chart

Air



Flow Rate in l/min

Water



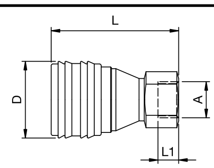
Flow Rate in l/min

Material	**Standard**
Coupling	
Valve Body	POM, white
Sleeve	POM, white
Valve	AISI 303
Spring and Locking Ring	AISI 301
Locking Balls	AISI 316
Seals	NBR
Spring Plate	AISI 301
Plug	
Plug Profile	POM, white
Valve	AISI 303
Spring	AISI 301
Spring Plate	AISI 301
Seal	NBR

You will find the following alternative versions in our current catalogue on page:

▶ Stainless Steel Double Shut-off P. 219
▶ Brass/Steel Double Shut-off P. 150

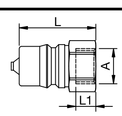
Coupling — RECTUS Series 74KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	27	76	44,5	16					Standard	74KB IW21 DPX

Valved Plug — RECTUS Series 74KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/2	27	48		16					Standard	74SB IW21 DPX

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

Double Shut-Off

Nominal Diameter

13 = 133 mm²

RECTUS Series

75KB

55% of actual size

You will find the following alternative versions in our current catalogue on page:

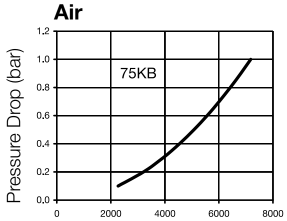
- Stainless Steel Double Shut-off P. 220
- Brass/Steel Double Shut-off P. 154

Technical Description

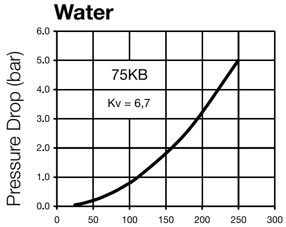
The 75KB series is a double shut-off hydraulic coupling used for liquid media. The plug profile is manufactured in accordance with ISO-7421-1, series B. All versions mentioned below are manufactured from non-rusting stainless steel or POM. This coupling requires two handed operation (the sleeve must be manually pulled back when connecting).

Chart

Air



Water



Advantages

Simple, yet rugged construction guarantees the highest safety.

Working Pressure

PB = 10 bar (at 50°C), maximum static working pressure with safety factor of 4 to 1.

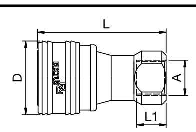
Working Temperature*

-20°C up to +90°C (NBR)
-40°C up to +90 (EPDM)
-15°C up to +90°C (FKM)
0°C up to + 90°C (FFKM)
depending on the medium.

*At a temperature below -20°C and above +90°C special seals are available on request.

Material	Standard
Coupling	
Valve Body	POM, white
Sleeve	POM, white
Valve	AISI 303
Spring and Locking Ring	AISI 301
Locking Balls	AISI 316
Seals	NBR
Spring Plate	AISI 301
Plug	
Plug Profile	POM, white
Valve	AISI 303
Spring	AISI 301
Spring Plate	AISI 301
Seal	NBR

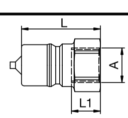
Coupling — RECTUS Series 75KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/4	34	96	55	24					Standard	75KB IW26 DPX

Valved Plug — RECTUS Series 75KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 3/4	36	60		24					Standard	75SB IW26 DPX

RECTUS Series

76KB

Nominal Diameter

314 mm² = **20**

Double Shut-Off

Thermoplastic

Low Pressure

Technical Description

The 76KB series is a double shut-off hydraulic coupling used for liquid media. The plug profile is manufactured in accordance with ISO-7421-1, series B. All versions mentioned below are manufactured from non-rusting stainless steel or POM. This coupling requires two handed operation (the sleeve must be manually pulled back when connecting).

Advantages

Simple, yet rugged construction guarantees the highest safety.

Working Pressure

PB = 10 bar (at 50°C), maximum static working pressure with safety factor of 4 to 1.

Working Temperature*

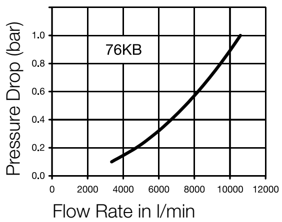
-20°C up to +90°C (NBR)
-40°C up to +90°C (EPDM)
-15°C up to +90°C (FKM)
0°C up to +90°C (FFKM)
depending on the medium

*At a temperature below -20°C and above +90°C special seals are available on request.

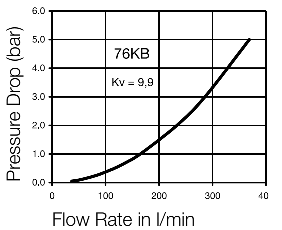
45% of actual size

Chart

Air



Water



Material

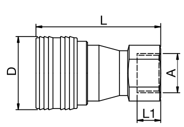
Coupling	Standard
Valve Body	POM, white
Sleeve	POM, white
Valve	AISI 303
Spring and Locking Ring	AISI 316 Ti
Locking Balls	AISI 316
Seals	NBR
Spring Plate, Locking Ring	AISI 301

Plug	
Plug Profile	POM, white
Valve	AISI 303
Spring	AISI 316 Ti
Spring Plate	AISI 301
Seal	NBR

You will find the following alternative versions in our current catalogue on page:

▶ Stainless Steel Double Shut-off P. 221
▶ Brass/Steel Double Shut-off P. 160

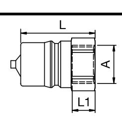
Coupling — RECTUS Series 76KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1	41	105,5	62	24					Standard	76KB IW33 DPX

Valved Plug — RECTUS Series 76KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1	41	65		24					Standard	76SB IW33 DPX

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

Double Shut-Off

Nominal Diameter

30 = 707 mm²

RECTUS Series

77KB

Technical Description

The 77KB series is a double shut-off hydraulic coupling used for liquid media. The plug profile is manufactured in accordance with ISO-7421-1, series B. All versions mentioned below are manufactured from non-rusting stainless steel or POM. This coupling requires two handed operation (the sleeve must be manually pulled back when connecting).

Advantages

Simple, yet rugged construction guarantees the highest safety.

Working Pressure

PB = 10 bar (at 50°C), maximum static working pressure with safety factor of 4 to 1.

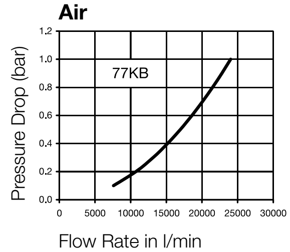
Working Temperature*

-20°C up to +90°C (NBR)
-40°C up to +90°C (EPDM)
-15°C up to +90°C (FKM)
0°C up to +90°C (FFKM)
depending on the medium

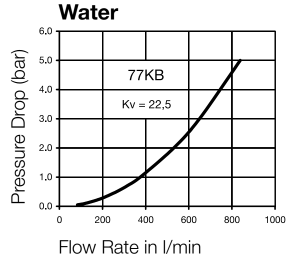
*At a temperature below -20°C and above +90°C special seals are available on request.

Chart

Air

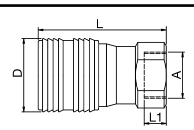


Water



Material	Standard
Coupling	
Valve Body	POM, white
Sleeve	POM, white
Valve	AISI 303
Spring and Locking Ring	AISI 316 Ti
Locking Balls	AISI 316
Seals	EPDM
Spring Plate, Locking Ring	AISI 301
Plug	
Plug Profile	POM, white
Valve	AISI 303
Spring	AISI 316 Ti
Spring Plate	AISI 301
Seal	EPDM

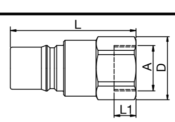
Coupling — RECTUS Series 77KB



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1 1/2	60	133	76	23					Standard	77KB IW48 DEXS

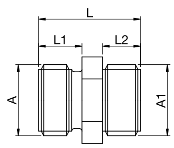
Valved Plug — RECTUS Series 77KB



Female Thread

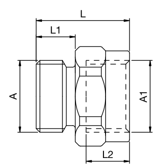
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1 1/2	60	132		23					Standard	77SB IW48 DEX

Male x Male Nipple — RECTUS Fittings



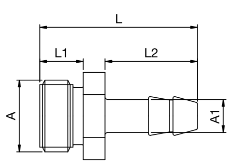
Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	Hex1 SW1	B mm	G mm	Rectu POM Part Number	Rectu CHEM Part Number
G 1/4 x G 1/8	14	19	8	7					DN 13/10DX	DN 13/10FX
G 1/4 x G 1/4	14	19	8	7					DN 13/13DX	DN 13/13FX
G 3/8 x G 1/4	17	28,5	9	9					DN 17/13DX	DN 17/13FX
G 3/8 x G 3/8	21	25	9	9					DN 17/17DX	DN 17/17FX
G 3/8 x G 1/2	21	31,5	9	12					DN 17/21DX	DN 17/21FX

Male x Female Nipple — RECTUS Fittings



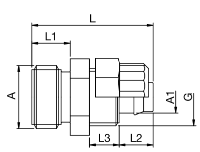
Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	Hex1 SW1	B mm	G mm	Rectu POM Part Number	Rectu CHEM Part Number
G 1/4 x G 1/8	14	22	8	8					RL 13/10DX	RL 13/10FX
G 1/4 x G 1/4	17	25	8	10					RL 13/13DX	RL 13/13FX
G 3/8 x G 1/4	17	21,5	9	10					RL 17/13DX	RL 17/13FX
G 3/8 x G 3/8	21	21,5	9	10					RL 17/17DX	RL 17/17FX
G 3/8 x G 1/2	17	32,5	9	13					RL 17/21DX	RL 17/21FX

Hose Tale Adaptor — RECTUS Fittings



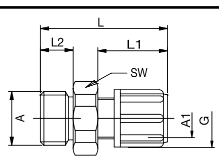
Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	Hex1 SW1	B mm	G mm	Rectu POM Part Number	Rectu CHEM Part Number
G 1/4 x 4 mm	14	29	8	17					GT 13/04DX	GT 13/04FX
G 1/4 x 6 mm	14	29	8	17					GT 13/06DX	GT 13/06FX
G 3/8 x 6 mm	17	39	9	22					GT 17/06DX	GT 17/06FX
G 3/8 x 9 mm	17	39	9	22					GT 17/09DX	GT 17/09FX
G 3/8 x 10 mm	17	39	9	22					GT 17/10DX	
G 3/8 x 13 mm	17	42	9	25					GT 17/13DX	GT 17/13FX

Plastic Screw Connector — RECTUS Fittings



Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	Conn. A1 mm	G mm	Rectu POM Part Number	Rectu CHEM Part Number
G 1/4	14	25	8	13		4 x 6	M 10 x 1	EV 13/06 DX	EV 13/06 FX
G 1/4	14	25	8	13		6 x 8	M 12 x 1	EV 13/08 DX	EV 13/08 FX

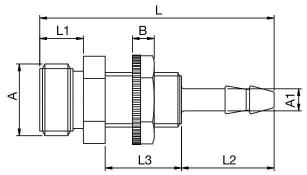
Screw Connection for PVDF or PE Hoses — RECTUS Fittings



Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	Conn. A1 mm	G mm	Rectu POM Part Number	Rectu CHEM Part Number
G 1/4	17	31	17	8		4 x 6	M 10 x 1		EV 13/06 FX04
G 1/4	17	35	21	8		6 x 8	M 12 x 1		EV 13/08 FX06
G 3/8	22	38	21	9		6 x 8	M 12 x 1		EV 17/08 FX06
G 3/8	22	45	28	9		9 x 12	M 12 x 1		EV 17/12 FX09
G 3/8	22	45	28	9		10 x 12	M 12 x 1		EV 17/12 FX10

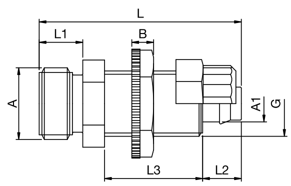
⚠ Please consider our security advices on the pages 12/13 ⚠

Panel Mount, Standard Hose Connection — RECTUS Fittings



Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	Hex1 SW1	B mm	G mm	Rectu POM Part Number	Rectu CHEM Part Number
G 1/4 x 4 mm	14	43	7	8	14	14	4	M 10 x 1	ET 13/04 DX	ET 13/04 FX
G 1/4 x 6 mm	14	43	8	8	14	17	4	M 12 x 1	ET 13/06 DX	ET 13/06 FX

Panel Mount, Plastic Hose Connection — RECTUS Fittings



Connection A	Hex SW	L mm	L1 mm	L2 mm	L3 mm	Hex1 SW1	B mm	G mm	Rectu POM Part Number	Rectu CHEM Part Number
G 1/4 x 4 x 6 mm	14	37	7	8	18	14	4	M 10 x 1	EK 13/06 DX	EK 13/06 FX
G 1/4 x 6 x 8 mm	14	37	8	8	18	17	4	M 12 x 1	EK 13/08 DX	EK 13/08 FX

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

For the thoughest demands.

Our thermoplastic coupling systems in series 21 and 48 help to prevent mixing of media by the use of colour coding.

Single Shut-Off

Nominal Diameter

5 = 20 mm²

RECTUS Series

21KS


actual size

Technical Description
Mini industrial coupling, the world's most commonly used profile. 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.

Advantages
Small dimensions. The safety locking system prevents unauthorized disconnection.

Dust Caps (P. 331)
for coupling Part.-No. SK16S

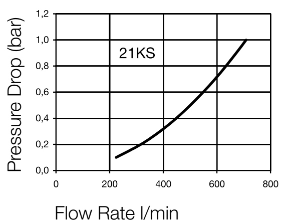
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

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°C (FFKM)
depending on the medium.

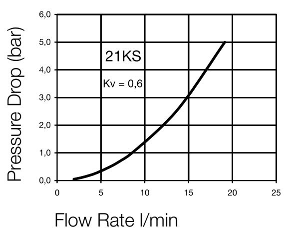
*At a temperature below -20°C and above +100°C special seals are available on request.

Chart

Air



Water

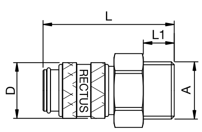


Material	Standard	Nickel Plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Brass	Brass, Nickel Plated
Valve	Brass	Brass
Spring and Locking Rings	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seal	NBR	NBR
Plug		
Plug	Brass	Brass, Nickel Plated

You will find the following alternative versions in our current catalogue on page:

- Safety Double Shut-off P. 276
- Coded Systems P. 300
- Brass/Steel P. 34
- Stainless Steel P. 185
- Thermoplastics P. 242

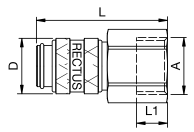
Couplings — RECTUS Series 21KS



Male Thread

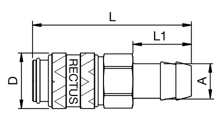
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	7					Standard	21KS AW10 MPX
									Nickel Plated	21KS AW10 MPN
G 1/4	17	38	16	9					Standard	21KS AW13 MPX
									Nickel Plated	21KS AW13 MPN
G 3/8	19	38	16	9					Standard	21KS AW17 MPX
									Nickel Plated	21KS AW17 MPN
M 12 x 1,5 (ISO 8434-1)	17	39	16	10					Standard	21KS AD12 MPX
									Nickel Plated	21KS AD12 MPN
M 14 x 1,5 (ISO 8434-1)	17	39	16	10					Standard	21KS AD14 MPX
									Nickel Plated	21KS AD14 MPN

Couplings — RECTUS Series 21KS



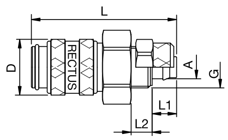
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	36	16	9					Standard	21KS IW10 MPX
									Nickel Plated	21KS IW10 MPN
G 1/4	17	38	16	9					Standard	21KS IW13 MPX
									Nickel Plated	21KS IW13 MPN
G 3/8	19	38	16	6					Standard	21KS IW17 MPX
									Nickel Plated	21KS IW17 MPN
M 12 x 1,5	17	38	16	6					Standard	21KS IM12 MPX
									Nickel Plated	21KS IM12 MPN
M 14 x 1,5	17	38	16	6					Standard	21KS IM14 MPX
									Nickel Plated	21KS IM14 MPN



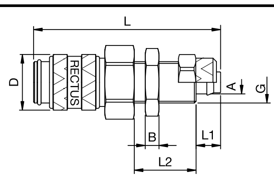
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	46	16	17					Standard	21KS TF04 MPX
									Nickel Plated	21KS TF04 MPN
5 mm	14	46	16	17					Standard	21KS TF05 MPX
									Nickel Plated	21KS TF05 MPN
6 mm	14	46	16	17					Standard	21KS TF06 MPX
									Nickel Plated	21KS TF06 MPN
8 mm	14	46	16	17					Standard	21KS TF08 MPX
									Nickel Plated	21KS TF08 MPN
9 mm	14	46	16	17					Standard	21KS TF09 MPX
									Nickel Plated	21KS TF09 MPN
10 mm	14	46	16	17					Standard	21KS TF10 MPX
									Nickel Plated	21KS TF10 MPN



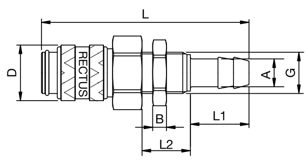
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	42	16	7	6			M 10 x 1	Standard	21KS KO06 MPX
									Nickel Plated	21KS KO06 MPN
6 x 8 mm	14	42	16	7	6			M 12 x 1	Standard	21KS KO08 MPX
									Nickel Plated	21KS KO08 MPN



Panel Mount,
Plastic Hose Connection

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 x 6 mm	14	54	16	7	18	14	4	M 10 x 1	Standard	21KS KS06 MPX
									Nickel Plated	21KS KS06 MPN
6 x 8 mm	17	54	16	7	18	17	4	M 12 x 1	Standard	21KS KS08 MPX
									Nickel Plated	21KS KS08 MPN

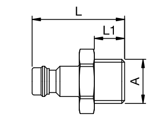


Panel Mount,
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm	14	60	16	17	14	14	4	M 10 x 1	Standard	21KS TS04 MPX
									Nickel Plated	21KS TS04 MPN
5 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KS TS05 MPX
									Nickel Plated	21KS TS05 MPN
6 mm	17	60	16	17	14	17	4	M 12 x 1	Standard	21KS TS06 MPX

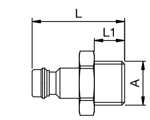
⚠ Please consider our security advices on the pages 12/13 ⚠

Plugs — RECTUS Series 21KS



Male Thread

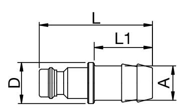
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	25		7					Standard	21SS AW10 MXX
									Nickel Plated	21SS AW10 MXN
G 1/4	17	28		9					Standard	21SS AW13 MXX
									Nickel Plated	21SS AW13 MXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	25		8					Standard	21SS IW10 MXX
									Nickel Plated	21SS IW10 MXN
G 1/4	17	25		9					Standard	21SS IW13 MXX
									Nickel Plated	21SS IW13 MXN

Plugs — RECTUS Series 21KS



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
4 mm		32	9	17					Standard	21SS TF04 MXX
									Nickel Plated	21SS TF04 MXN
6 mm		32	9	17					Standard	21SS TF06 MXX
									Nickel Plated	21SS TF06 MXN
8 mm		32	9	17					Standard	21SS TF08 MXX
									Nickel Plated	21SS TF08 MXN
9 mm		33	10	17					Standard	21SS TF09 MXX
									Nickel Plated	21SS TF09 MXN
10 mm		33	12	17					Standard	21SS TF10 MXX
									Nickel Plated	21SS TF10 MXN

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

Single Shut-Off

Nominal Diameter

7,8 = 48 mm²

RECTUS Series

25KS

actual size

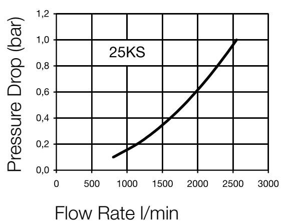
You will find the following alternative versions in our current catalogue on page:

- Safety Double Shut-off P. 278
- Safety Self-Venting P. 290
- Coded Systems P. 303
- Brass/Steel P. 73
- Stainless Steel P. 192

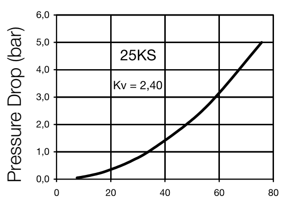
Technical Description
Safety coupling with UltraFlo technology. High flow performance. Notable for robust design and steel sleeve used with large pneumatic consumers. Additional safety locking system. This safety lock prevents unintentional disconnection. To disconnect, the plug must first be pushed further into the coupling before it can be unlocked.

Chart

Air



Water



Advantages
Quality coupling with small dimensions and high flow rates. Safety locking system. Double profiled plug design against wear of material during operation.

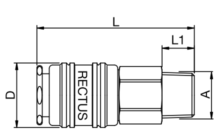
Working Pressure
PB = 35 bar (Brass)
PB = 70 bar (with steel body and steel seal), maximum static working pressure with safety factor of 4 to 1.

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°C (FFKM)
depending on the medium.

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

Material Coupling	Standard	Brass	Brass, Nickel Pl.
Back Body	Brass	Brass	Brass, Nickel Pl.
Valve Body	Steel, Nickel Pl.	Brass	Brass, Nickel Pl.
Sleeve	Steel Hardened, Nickel Plated	Brass	Brass, Nickel Pl.
Valve	Brass	Brass	Brass
Spring and Lock Ring	AISI 301	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420	AISI 420
Seals	NBR	NBR	NBR
Distance Sleeve	Brass	Brass	Brass
Spring Plate	Brass	Brass	Brass
Plug			
Plug	Steel Hardened, Zinc-Plated	Brass	Brass, Nickel Pl.

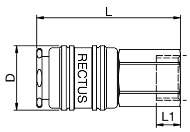
Couplings RECTUS Series 25KS



Male Thread

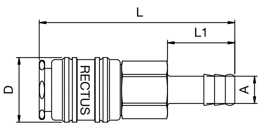
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/4	19	60	23	12					Standard	25KS AK13 SPN
									Brass	25KS AK13 BPX
									Brass, Nickel Pl.	25KS AK13 BPN
R 3/8	19	60	23	12					Standard	25KS AK17 SPN
									Brass	25KS AK17 BPX
									Brass, Nickel Pl.	25KS AK17 BPN
R 1/2	22	61	23	17					Standard	25KS AK21 SPN
									Brass	25KS AK21 BPX
									Brass, Nickel Pl.	25KS AK21 BPN

Couplings — RECTUS Series 25KS



Female Thread

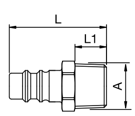
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	19	56	23	10					Standard	25KS IW13 SPN
									Brass	25KS IW13 BPX
									Brass, Nickel Pl.	25KS IW13 BPN
G 3/8	19	55	23	9					Standard	25KS IW17 SPN
									Brass	25KS IW17 BPX
									Brass, Nickel Pl.	25KS IW17 BPN
G 1/2	24	58	23	12					Standard	25KS IW21 SPN



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	74	23	25					Standard	25KS TF06 SPN
8 mm	19	74	23	25					Standard	25KS TF08 SPN
									Brass	25KS TF08 BPX
									Brass, Nickel Pl.	25KS TF08 BPN
9 mm	19	74	23	25					Standard	25KS TF09 SPN
									Brass	25KS TF09 BPX
									Brass, Nickel Pl.	25KS TF09 BPN
10 mm	19	74	23	25					Standard	25KS TF10 SPN
									Brass	25KS TF10 BPX
									Brass, Nickel Pl.	25KS TF10 BPN
13 mm	19	74	23	25					Standard	25KS TF13 SPN
									Brass	25KS TF13 BPX
									Brass, Nickel Pl.	25KS TF13 BPN

Plugs — RECTUS Series 25KS

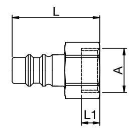


Male Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
R 1/8	13	33		9					Standard	25SS AK10 SXZ
R 1/4	14	37		12					Standard	25SS AK13 SXZ
G 1/4	17	33		9					Brass	26SS AW13 MXX
G 1/4	17	33		9					Brass, Nickel Pl.	26SS AW13 MXN
R 3/8	17	37		12					Standard	25SS AK17 SXZ
R 1/2	22	43		17					Standard	25SS AK21 SXZ

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

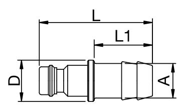
Plugs — RECTUS Series 25KS



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	17	33		9					Standard	25SS IW13 SXZ
G 3/8	19	33		9					Standard	25SS IW17 SXZ
G 1/2	24	36		12					Standard	25SS IW21 SXZ

Plugs — RECTUS Series 25KS



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm		48	12	25					Standard	25SS TF06 SXZ
8 mm		48	12	25					Standard	25SS TF08 SXZ
		48	12	25					Brass, Nickel Pl.	26SS TF08 MXN
9 mm		48	12	25					Standard	25SS TF09 SXZ
10 mm		48	12	25					Standard	25SS TF10 SXZ
13 mm		48	15	25					Standard	25SS TF13 SXZ

28KS

Nominal Diameter

85 mm² = **10,5**

Single Shut-Off

Technical Description

The 28KS safety coupling is the largest version of our safety range. The plug must be pushed further into the coupling before it can be disconnected, which prevents unintentional disconnection. The plug profile conforms with the CETOP RP 59 P-15 standard.

Advantages

Single handed operation. High quality coupling made of steel. Safety locking system. High flow rate due to the UltraFlo valve. Double profiled plug design against wear of material during operation.

Working Pressure

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

Working Temperature*

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

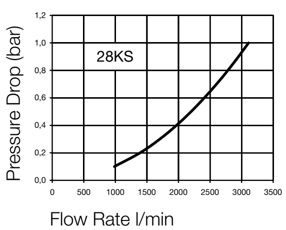
*At a temperature below -20°C and above +100°C special seals are available on request.

actual size

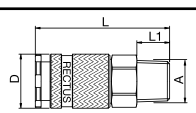
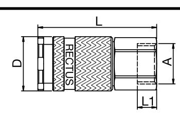
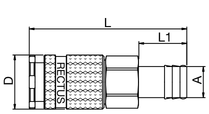
Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Steel, Nickel Plated
Sleeve	Steel Hardened, Nickel Plated
Valve	Brass
Spring and Locking Rings	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug	Steel Hardened, Nickel Plated

Chart

Air

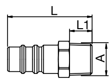
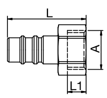


Couplings — RECTUS Series 28KS

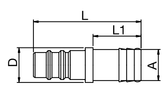
	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	R 1/2	24	69,5	28	17					Standard	28KS AK21 SPN
	R 3/4	27	69,5	28	17					Standard	28KS AK26 SPN
 Female Thread	G 3/8	24	61,5	28	12					Standard	28KS IW17 SPN
	G 1/2	24	61,5	28	12					Standard	28KS IW21 SPN
	G 3/4	32	65,5	28	16					Standard	28KS IW26 SPN
 Hose Barb	13 mm	24	81,5	28	25					Standard	28KS TF13 SPN
	16 mm	24	81,5	28	25					Standard	28KS TF16 SPN
	19 mm	24	81,5	28	25					Standard	28KS TF19 SPN

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

Plugs — RECTUS Series 28KS

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	R 3/8	17	45		12					Standard	28SS AK17 SXN
	R 1/2	22	50		17					Standard	28SS AK21 SXN
 Female Thread	G 3/8	19	39		9					Standard	28SS IW17 SXN
	G 1/2	24	42		12					Standard	28SS IW21 SXN
	G 3/4	32	47		16					Standard	28SS IW26 SXN

Plugs — RECTUS Series 28KS

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Hose Barb	10 mm		54	15	25					Standard	28SS TF10 SXN
	13 mm		54	15	25					Standard	28SS TF13 SXN
	16 mm		56	18	25					Standard	28SS TF16 SXN
	19 mm		56	21	25					Standard	28SS TF19 SXN

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

Allow us to present:
your new safety representative.

Our self-venting coupling system in series 26KE reliably prevents the dangerous whiplash effect.

Parker

RECTUS TEMA

Double Shut-Off

Nominal Diameter

5 = 20 mm²

RECTUS Series

21KD

actual size

Technical Description
Mini industrial coupling, the world's most commonly used profile. 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.

Advantages
Small dimensions. The safety locking system prevents unauthorized disconnection.

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

Dust Caps (P. 331)
for coupling Part.-No. SK16S

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°C (FFKM)
depending on the medium.

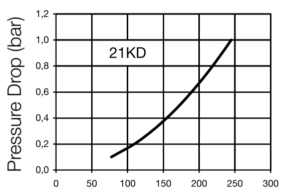
*At a temperature below -20°C and above +100°C special seals are available on request.

You will find the following alternative versions in our current catalogue on page:

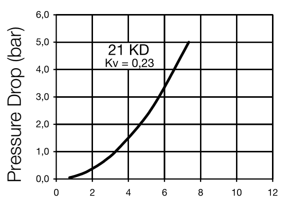
- Safety Single Shut-off P. 266
- Coded Systems P. 300
- Brass/Steel P. 34
- Stainless Steel P. 185
- Thermoplastics P. 242

Chart

Air



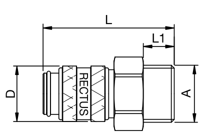
Water



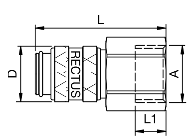
Material

Material	Standard
Coupling	
Back body	Brass, Nickel Plated
Valve body	Brass, Nickel Plated
Sleeve	Brass, Nickel Plated
Valve	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	
Plug Profile	Brass, Nickel Plated
Back Body	Brass, Nickel Plated
Valve	Brass
Spring	AISI 301
Seal	NBR

Couplings — RECTUS Series 21KD



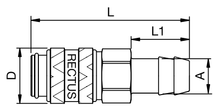
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Male Thread	G 1/8	14	36	16	7					Standard	21KD AW10 MPN
Male Thread	G 1/4	17	38	16	9					Standard	21KD AW13 MPN
Male Thread	G 3/8	19	38	16	9					Standard	21KD AW17 MPN
Female Thread	G 1/8	14	36	16	9					Standard	21KD IW10 MPN
Female Thread	G 1/4	17	38	16	9					Standard	21KD IW13 MPN
Female Thread	G 3/8	19	38	16	9					Standard	21KD IW17 MPN

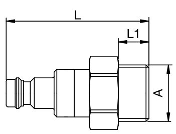
Couplings — RECTUS Series 21KD



Hose Barb

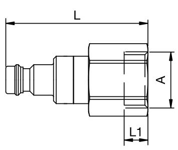
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	14	46	16	17					Standard	21KD TF06 MPN
10 mm	14	46	16	17					Standard	21KD TF10 MPN

Valved Plugs — RECTUS Series 21KD



Male Thread

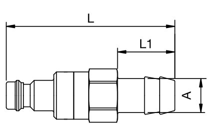
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	40		7					Standard	21SD AW10 MPN
G 1/4	17	42		9					Standard	21SD AW13 MPN
G 3/8	19	42		9					Standard	21SD AW17 MPN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/8	14	40		7					Standard	21SD IW10 MPN
G 1/4	17	42		7					Standard	21SD IW13 MPN

Valved Plugs — RECTUS Series 21KD



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	14	50		17					Standard	21SD TF06 MPN
10 mm	14	50		17					Standard	21SD TF10 MPN

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

Double Shut-Off

Nominal Diameter

7,4 = 43 mm²

RECTUS Series

25KD

actual size

Technical Description
Safety coupling with UltraFlo technology. High flow performance. Notable for robust design and steel sleeve used with large pneumatic consumers. Additional safety locking system. This safety lock prevents unintentional disconnection. To disconnect, the plug must first be pushed further into the coupling before it can be unlocked.

Advantages
Quality coupling with small dimensions and high flow rates. Safety locking system. Double profiled plug design against wear of material during operation. Non-slip sleeve can also be operated when wearing safety gloves.

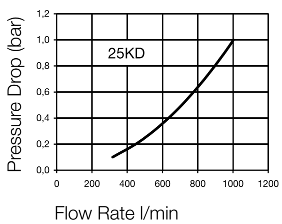
Working Pressure
PB = 35 bar, maximum static working pressure with safety factor of 4 to 1.

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°C (KFFKM)
depending on the medium.

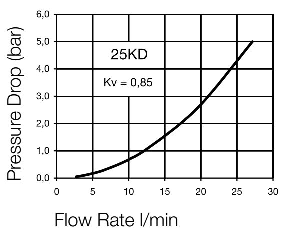
*At a temperature below -20°C and above +100°C special seals are available on request.

Chart

Air



Water



Material

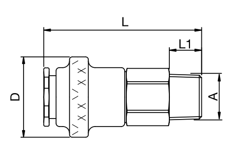
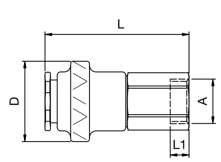
Coupling	Standard
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Brass, Nickel Plated
Valve	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR

Plug	
Plug Profile	Brass, Nickel Plated
Back Body	Brass, Nickel Plated
Valve	Brass
Spring	AISI 420
Seal	NBR

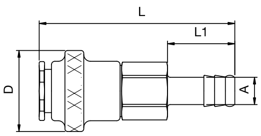
You will find the following alternative versions in our current catalogue on page:

- Safety Single Shut-off P. 270
- Safety Self-Venting P. 290
- Coded Systems P. 303
- Brass/Steel P. 73
- Stainless Steel P. 209

Couplings — RECTUS Series 25KD

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
 Male Thread	R 1/4	19	60	30	12					Standard	25KD AK13 BPN
	R 3/8	19	60	30	12					Standard	25KD AK17 BPN
	R 1/2	22	61	30	17					Standard	25KD AK21 BPN
 Female Thread	G 1/4	19	56	30	10					Standard	25KD IW13 BPN
	G 3/8	19	55	30	9					Standard	25KD IW17 BPN
	G 1/2	24	58	30	12					Standard	25KD IW21 BPN

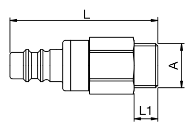
Couplings — RECTUS Series 25KD



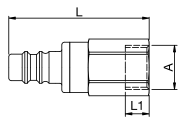
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
6 mm	19	74	30	25					Standard	25KD TF06 BPN
8 mm	19	74	30	25					Standard	25KD TF08 BPN
9 mm	19	74	30	25					Standard	25KD TF09 BPN
10 mm	19	74	30	25					Standard	25KD TF10 BPN
13 mm	19	74	30	25					Standard	25KD TF13 BPN

Valved Plugs — RECTUS Series 25KD



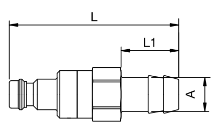
Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
G 1/4	22	43		9					Standard	25SD AW13 MPN
G 3/8	22	43		9					Standard	25SD AW17 MPN
G 1/2	22	46		12					Standard	25SD AW21 MPN
G 1/4	22	43		10					Standard	25SD IW13 MPN
G 3/8	22	43		9					Standard	25SD IW17 MPN
G 1/2	24	46		12					Standard	25SD IW21 MPN

Valved Plugs — RECTUS Series 25KD



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Material	Part Number
6 mm	21	60		25					Standard	25SD TF06 MPN
8 mm	21	60		25					Standard	25SD TF08 MPN
9 mm	21	60		25					Standard	25SD TF09 MPN
10 mm	21	60		25					Standard	25SD TF10 MPN
13 mm	21	60		25					Standard	25SD TF13 MPN

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

Self-Venting System

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

14KE

90% of actual size

You will find the following alternative versions in our current catalogue on page:

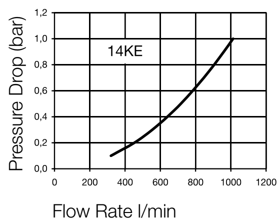
▶ Brass/Steel Single Shut-off P. 44

Technical Description

The connection is made the same way as with all other quick connect coupling series, by simply pushing the plug into the coupling. The audible latching when the plug is securely in place signifies that the coupling is locked. The sleeve must be pulled back to release the first locking system before it can be disconnected. This closes the coupling valve. The compressed downstream air can now escape from the plug (hose). Pulling the sleeve back a second time releases the second locking system. The connection can now be safely undone. This self-venting coupling, designed for bleeding off trapped air, is not suitable for direct connection to compressed air tools.

Chart

Air



Advantages

The system fulfils the requirements of ISO 4414.
- increased safety standards in the work place
- the plastic sleeve does not scratch working surfaces

Caution

Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original Rectus plugs made of steel.

Working Pressure

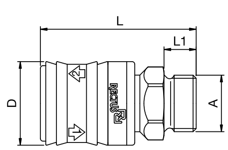
PB = 12 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature

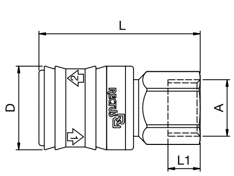
-20°C up to +60°C (NBR) depending on the medium.

Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Thermoplastic
Valve	Brass
Spring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Pins	AISI 420
Plug	Steel Hardened, Nickel Plated

Couplings — RECTUS Series 14KE



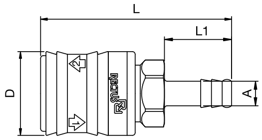
Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/4	22	58	31	9					Standard	14KE AK13 MPN
R 3/8	22	58	31	9					Standard	14KE AK17 MPN
R 1/2	24	63	31	12					Standard	14KE AK21 MPN
G 1/4	22	57	31	9					Standard	14KE IW13 MPN
G 3/8	22	57	31	9					Standard	14KE IW17 MPN
G 1/2	24	60	31	12					Standard	14KE IW21 MPN

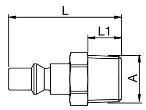
Couplings — RECTUS Series 14KE



Hose Barb

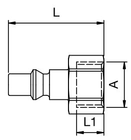
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm	22	71	31	25					Standard	14KE TF06 MPN
8 mm	22	71	31	25					Standard	14KE TF08 MPN
9 mm	22	71	31	25					Standard	14KE TF09 MPN
10 mm	22	71	31	25					Standard	14KE TF10 MPN
13 mm	22	71	31	25					Standard	14KE TF13 MPN

Plugs — RECTUS Series 22SF



Male Thread

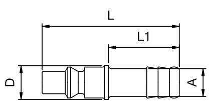
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/8	12	35		9					Standard	22SF AK10 SXN
R 1/4	14	41		12					Standard	22SF AK13 SXN
R 3/8	17	41		12					Standard	22SF AK17 SXN
R 1/2	22	46		17					Standard	22SF AK21 SXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
G 1/4	17	35		9					Standard	22SF IW13 SXN
G 3/8	19	35		10					Standard	22SF IW17 SXN
G 1/2	24	38		12					Standard	22SF IW21 SXN

Valved Plugs — RECTUS Series 22SF



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm		49	12	25					Standard	22SF TF06 SXN
8 mm		49	12	25					Standard	22SF TF08 SXN
9 mm		49	12	25					Standard	22SF TF09 SXN
10 mm		49	12	25					Standard	22SF TF10 SXN
13 mm		49	12	25					Standard	22SF TF13 SXN

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

Self-Venting System

Nominal Diameter
5,5 = 25 mm²

RECTUS Series
18KE

90% of actual size

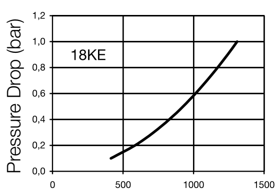
You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Single Shut-off P. 46

Technical Description
The 18KE series is a safety coupling with a self-venting system. When the sleeve is pulled back the plug is released, however, it still remains locked to the coupling. The coupling's valve closes while the downstream air supply line is vented simultaneously. Afterward it can be disconnected without any danger by pulling the sleeve back a second time to completely release the plug from the coupling.

Chart

Air



Advantages
Connected in the same manner as all standard couplings – single hand operation. The venting takes place without any danger to the operators during the disconnecting process – no danger of being hit by a whipping hose that is still pressurized. The system fulfils the requirements stipulated in ISO 4414 for increased safety standards in the working place.

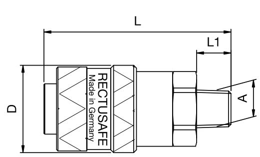
Working Pressure
PB = 8 bar, maximum static working pressure with safety factor of 4 to 1.

Working temperature
-20°C up to +60°C (NBR) depending on the medium.

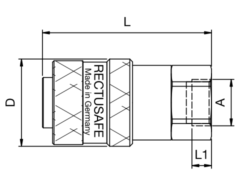
Caution
Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original RECTUS plugs made of steel.

Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Brass, Nickel Plated
Valve	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Pins	AISI 420
Plug	Steel Hardened, Nickel Plated

Couplings — RECTUS Series 18KE



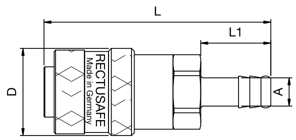
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
Male Thread	R 1/4	24	67	30	12					Standard	18KE AK13 BPN
Male Thread	R 3/8	24	67	30	12					Standard	18KE AK17 BPN
Male Thread	R 1/2	24	72	30	17					Standard	18KE AK21 BPN
Female Thread	G 1/4	24	63	30	10					Standard	18KE IW13 BPN
Female Thread	G 3/8	24	60	30	9					Standard	18KE IW17 BPN
Female Thread	G 1/2	24	65	30	12					Standard	18KE IW21 BPN

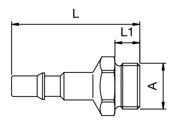
Couplings — RECTUS Series 18KE



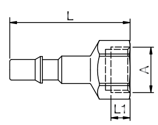
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm	24	81	30	25					Standard	18KE TF06 BPN
8 mm	24	81	30	25					Standard	18KE TF08 BPN
9 mm	24	81	30	25					Standard	18KE TF09 BPN
10 mm	24	81	30	25					Standard	18KE TF10 BPN
13 mm	24	81	30	25					Standard	18KE TF13 BPN

Plugs — RECTUS Series 18KE



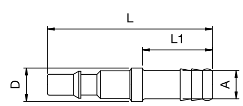
Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
G 1/4	17	41		9					Standard	18SF AW13 SXN
G 3/8	19	41		9					Standard	18SF AW17 SXN
G 1/4	17	43		9					Standard	18SF IW13 SXN
G 3/8	19	44		9					Standard	18SF IW17 SXN

Plugs — RECTUS Series 18KE



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm		56	12	25					Standard	18SF TF06 SXN
8 mm		56	12	25					Standard	18SF TF08 SXN
9 mm		56	12	25					Standard	18SF TF09 SXN
10 mm		56	12	25					Standard	18SF TF10 SXN
13 mm		56	12	25					Standard	18SF TF13 SXN

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

Self-Venting System

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

23KE

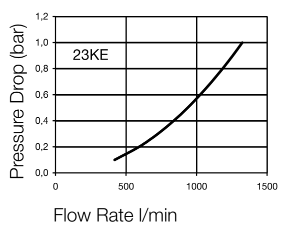
You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel Single Shut-off P. 52

Technical Description
The 23KE series is a safety coupling with a self venting system. When the sleeve is pulled back the plug is released, however, it still remains locked to the coupling. The coupling's valve closes while the downstream air supply line is vented simultaneously. Afterward it can be disconnected without any danger by pulling the sleeve back a second time to completely release the plug from the coupling.

Chart

Air



Advantages
Connected in the same manner as all standard couplings – single hand operation. The venting takes place without any danger to the operators during the disconnecting process – no danger of being hit by a whipping hose that is still pressurized. The system fulfils the requirements stipulated in ISO 4414 for increased safety standards in the working place. Interchangeable with Rectus Series 24.

Working Pressure
PB = 8 bar, maximum static working pressure with safety factor of 4 to 1.

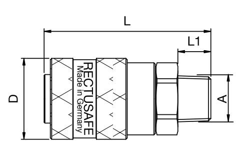
Working temperature
-20°C up to +60°C (NBR) depending on the medium.

Caution
Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original RECTUS plugs made of steel.

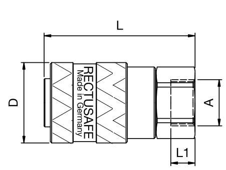
Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Brass, Nickel Plated
Valve	Brass
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Pins	AISI 420
Plug	Steel Hardened, Nickel Plated

Couplings — RECTUS Series 23KE

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
Male Thread	R 1/4	24	65	30	12					Standard	23KE AK13 BPN
	R 3/8	25	65	30	12					Standard	23KE AK17 BPN
	R 1/2	24	69	30	17					Standard	23KE AK21 BPN
Female Thread	G 1/4	24	61	30	10					Standard	23KE IW13 BPN
	G 3/8	24	58	30	9					Standard	23KE IW17 BPN
	G 1/2	24	63	30	10					Standard	23KE IW21 BPN

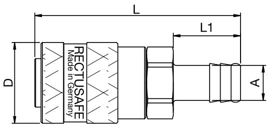


Male Thread



Female Thread

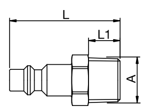
Couplings — RECTUS Series 23KE



Hose Barb

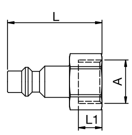
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm	24	79	30	25					Standard	23KE TF06 BPN
8 mm	24	79	30	25					Standard	23KE TF08 BPN
10 mm	24	79	30	25					Standard	23KE TF10 BPN
13 mm	24	79	30	25					Standard	23KE TF13 BPN

Plugs — RECTUS Series 23KE



Male Thread

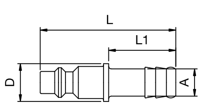
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/8	13	39		9					Standard	23SF AK10 SXN
R 1/4	14	42		12					Standard	23SF AK13 SXN
R 3/8	17	42		12					Standard	23SF AK17 SXN
R 1/2	22	48		17					Standard	23SF AK21 SXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
G 1/8	14	36		9					Standard	23SF IW10 SXN
G 1/4	17	36		9					Standard	23SF IW13 SXN
G 3/8	19	36		9					Standard	23SF IW17 SXN
G 1/2	24	36		12					Standard	23SF IW21 SXN

Plugs — RECTUS Series 23KE



Hose Barb

Conenction A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm		51	14	25					Standard	23SF TF06 SXN
8 mm		51	14	25					Standard	23SF TF08 SXN
9 mm		51	14	25					Standard	23SF TF09 SXN
10 mm		51	14	25					Standard	23SF TF10 SXN
13 mm		51	14	25					Standard	23SF TF13 SXN

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

Self-Venting System

Nominal Diameter

5,5 = 25 mm²

RECTUS Series

24KE

85% of actual size

Technical Description

The connection is made the same way as with all other quick connect coupling series, by simply pushing the plug in the coupling. The audible latching when the plug is securely in place signifies that the coupling is locked. The sleeve must be pulled back to release the first locking system before it can be disconnected. This closes the coupling valve. The compressed downstream air can now escape from the plug (hose). Pulling the sleeve back a second time releases the second locking system. The connection can now be safely undone. This self-venting coupling, designed for bleeding off trapped air, is not suitable for direct connection to compressed air tools.

Advantages

The system fulfils the requirements of ISO 4414.
- increased safety standards in the work place
- the plastic sleeve does not scratch working surfaces

Caution

Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original Rectus plugs made of steel.

Working Pressure

PB = 12 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature

-20°C up to +60°C (NBR) depending on the medium.

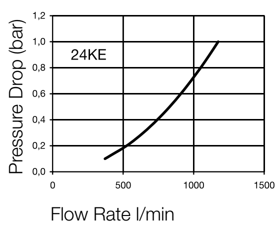
Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Thermoplastic
Valve	Brass
Spring and Locking Ring	AISI 301
Pins	AISI 420
Seals	NBR
Locking Balls	AISI 420
Plug	Steel Hardened, Nickel Plated

You will find the following alternative versions in our current catalogue on page:

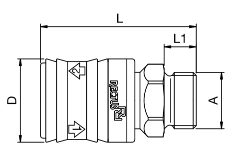
▶ Brass/Steel Single Shut-off P. 58

Chart

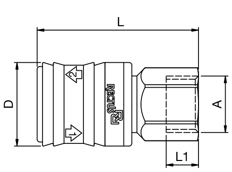
Air



Couplings — RECTUS Series 24KE



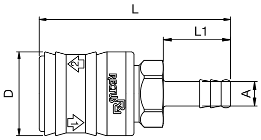
Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/4	22	58	31	9					Standard	24KE AK13 MPN
R 3/8	22	58	31	9					Standard	24KE AK17 MPN
R 1/2	24	63	31	12					Standard	24KE AK21 MPN
G 1/4	22	57	31	9					Standard	24KE IW13 MPN
G 3/8	22	57	31	9					Standard	24KE IW17 MPN

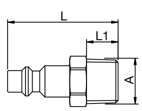
Couplings — RECTUS Series 24KE



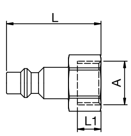
Hose Barb

Connction A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm	22	71	31	25					Standard	24KE TF06 MPN
8 mm	22	71	31	25					Standard	24KE TF08 MPN
9 mm	22	71	31	25					Standard	24KE TF09 MPN
10 mm	22	71	31	25					Standard	24KE TF10 MPN
13 mm	22	71	31	25					Standard	24KE TF13 MPN

Plugs — RECTUS Series 23SF



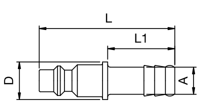
Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/8	13	39		9					Standard	23SF AK10 SXN
R 1/4	14	42		12					Standard	23SF AK13 SXN
R 3/8	17	42		12					Standard	23SF AK17 SXN
R 1/2	22	48		17					Standard	23SF AK21 SXN
G 1/8	14	36		9					Standard	23SF IW10 SXN
G 1/4	17	36		9					Standard	23SF IW13 SXN
G 3/8	19	36		9					Standard	23SF IW17 SXN
G 1/2	24	36		12					Standard	23SF IW21 SXN

Plugs — RECTUS Series 23SF



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm		51	14	25					Standard	23SF TF06 SXN
8 mm		51	14	25					Standard	23SF TF08 SXN
9 mm		51	14	25					Standard	23SF TF09 SXN
10 mm		51	14	25					Standard	23SF TF10 SXN
13 mm		51	14	25					Standard	23SF TF13 SXN

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

Self-Venting System

Nominal Diameter

7,4 = 43 mm²

RECTUS Series

26KE

90% of actual size

Technical Description
The connection is made the same way as with all other quick connect coupling series, by simply pushing the plug in the coupling. The audible latching when the plug is securely in place signifies that the coupling is locked. The sleeve must be pulled back to release the first locking system before it can be disconnected. This closes the coupling valve. The compressed downstream air can now escape from the plug (hose). Pulling the sleeve back a second time releases the second locking system. The connection can now be safely undone. This self-venting coupling, designed for bleeding off trapped air, is not suitable for direct connection to compressed air tools.

Advantages
The system fulfils the requirements of ISO 4414.
- increased safety standards in the work place
- the plastic sleeve does not scratch working surfaces

Caution
Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original Rectus plugs made of steel.

Working Pressure
PB = 12 bar, maximum static working pressure with safety factor of 4 to1.

Working Temperature*
-20°C up to +60°C (NBR) depending on the medium.

*At a temperature below -20°C and above +60°C special seals are available on request.

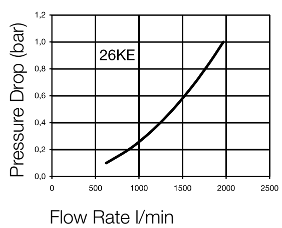
Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Thermoplastic
Valve	Brass
Spring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Pin	AISI 420
Plug	Steel Hardened, Zinc Plated

You will find the following alternative versions in our current catalogue on page:

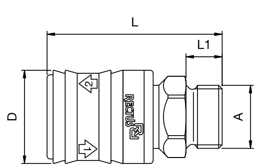
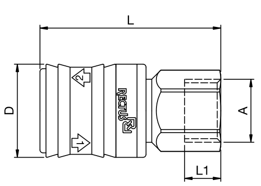
- ▶ Brass/Steel Single Shut-off P. 66
- ▶ Brass/Steel Double Shut-off P. 136
- ▶ Stainless Steel P. 189

Chart

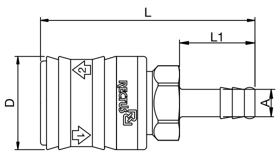
Air



Couplings — RECTUS Series 26KE

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
 Male Thread	G 1/4	22	55	31	9					Standard	26KE AW13 MPN
	G 3/8	22	55	31	9					Standard	26KE AW17 MPN
	G 1/2	24	58	31	12					Standard	26KE AW21 MPN
 Female Thread	G 1/4	22	57	31	9					Standard	26KE IW13 MPN
	G 3/8	22	57	31	9					Standard	26KE IW17 MPN
	G 1/2	24	60	31	12					Standard	26KE IW21 MPN

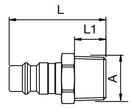
Couplings — RECTUS Series 26KE



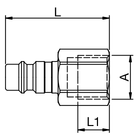
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm	22	71	31	25					Standard	26KE TF06 MPN
8 mm	22	71	31	25					Standard	26KE TF08 MPN
9 mm	22	71	31	25					Standard	26KE TF09 MPN
10 mm	22	71	31	25					Standard	26KE TF10 MPN
13 mm	22	71	31	25					Standard	26KE TF13 MPN

Plugs — RECTUS Series 25SF



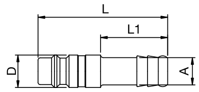
Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/8	13	33		9					Standard	25SF AK10 SXZ
R 1/4	14	37		12					Standard	25SF AK13 SXZ
R 3/8	17	37		12					Standard	25SF AK17 SXZ
R 1/2	22	43		17					Standard	25SF AK21 SXZ
G 1/8	14	30		7					Standard	25SF IW10 SXZ
G 1/4	17	33		9					Standard	25SF IW13 SXZ
G 3/8	19	33		9					Standard	25SF IW17 SXZ
G 1/2	24	36		12					Standard	25SF IW21 SXZ

Plugs — RECTUS Series 25SF



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm		48	12	25					Standard	25SF TF06 SXZ
8 mm		48	12	25					Standard	25SF TF08 SXZ
9 mm		48	12	25					Standard	25SF TF09 SXZ
10 mm		48	12	25					Standard	25SF TF10 SXZ
13 mm		48	12	25					Standard	25SF TF13 SXZ

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

Self-Venting System

Nominal Diameter

7,8 = 48 mm²

RECTUS Series

25KE

85% of actual size

Technical Description
The 25KE series is a safety coupling with a self venting-system. When the sleeve is pulled back the plug is released, however, it still remains locked to the coupling. The coupling's valve closes while the downstream air supply line is vented simultaneously. Afterward it can be disconnected without any danger by pulling the sleeve back a second time to completely release the plug from the coupling.

Advantages
Connected in the same manner as all standard couplings – single hand operation. The venting takes place without any danger to the operators during the dis-connecting process – no danger of being hit by a whipping hose that is still pressurized. The system fulfils the requirements stipulated in ISO 4414 for increased safety standards in the working place.

Working Pressure
PB = 8 bar, maximum static working pressure with safety factor of 4 to 1.

Working temperature
-20°C up to +60°C (NBR) depending on the medium.

Caution
Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original Rectus plugs made of steel.

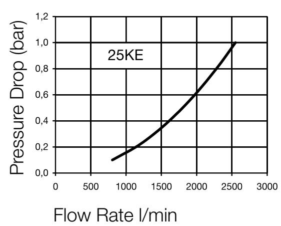
Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Brass, Nickel Plated
Valve	Brass, Nickel Plated
Spring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Pins	AISI 420
Plug	Steel Hardened, Zinc Plated

You will find the following alternative versions in our current catalogue on page:

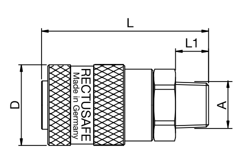
- Safety Single Shut-off P. 270
- Safety Double Shut-off P. 278
- Coded Systems P. 303
- Brass/Steel P. 73
- Stainless Steel P. 192

Chart

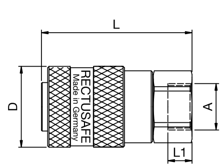
Air



Couplings — RECTUS Series 25KE



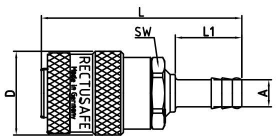
Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/4	24	62	30	12					Standard	25KE AK13 BPN
R 3/8	24	62	30	12					Standard	25KE AK17 BPN
R 1/2	24	67	30	17					Standard	25KE AK21 BPN
G 1/4	24	59	30	10					Standard	25KE IW13 BPN
G 3/8	24	56	30	9					Standard	25KE IW17 BPN
G 1/2	24	61	30	12					Standard	25KE IW21 BPN

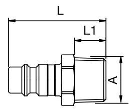
Couplings — RECTUS Series 25KE



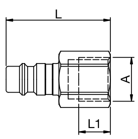
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm	24	76	30	25					Standard	25KE TF06 BPN
8 mm	24	76	30	25					Standard	25KE TF08 BPN
9 mm	24	76	30	25					Standard	25KE TF09 BPN
10 mm	24	76	30	25					Standard	25KE TF10 BPN
13 mm	24	76	30	25					Standard	25KE TF13 BPN

Plugs — RECTUS Series 25KE



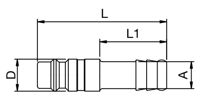
Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/8	13	33		9					Standard	25SF AK10 SXZ
R 1/4	14	37		12					Standard	25SF AK13 SXZ
R 3/8	17	37		12					Standard	25SF AK17 SXZ
R 1/2	22	43		17					Standard	25SF AK21 SXZ
G 1/8	14	30		7					Standard	25SF IW10 SXZ
G 1/4	17	38,5		9					Standard	25SF IW13 SXZ
G 3/8	19	39,5		9					Standard	25SF IW17 SXZ
G 1/2	24	44		12					Standard	25SF IW21 SXZ

Plugs — RECTUS Series 25KE



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm		48	12	25					Standard	25SF TF06 SXZ
8 mm		48	12	25					Standard	25SF TF08 SXZ
9 mm		48	12	25					Standard	25SF TF09 SXZ
10 mm		48	12	25					Standard	25SF TF10 SXZ
13 mm		48	12	25					Standard	25SF TF13 SXZ

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

Self-Venting System

Nominal Diameter

10 = 80 mm^2

RECTUS Series

27KE

70% of actual size

Technical Description

With nominal diameter 10, one of the largest range in a new generation of couplings with ventilation technology. Two-stage uncoupling prevents occurence of the whiplash effect.

Advantages

Connected in the same manner as all standard couplings – single hand operation. The venting takes place without any danger to the operators during the disconnecting process – no danger of being hit by a whipping hose that is still pressurized. The system fulfils the requirements stipulated in ISO 4414 for increased safety standards in the working place.

Working Pressure

PB = 12 bar, maximum static working pressure with safety factor of 4 to 1.

Working temperature

-20°C up to +60°C (NBR) depending on the medium.

Caution

Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original RECTUS plugs made of steel.

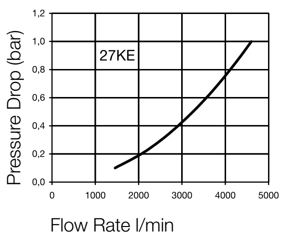
Material	Standard
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Polyamide, fiber glass reinforced
Valve	Brass
Spring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Plug	Steel Hardened, Nickel Plated

You will find the following alternative versions in our current catalogue on page:

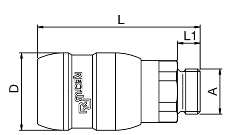
- Brass/Steel Single Shut-off P. 95
- Brass/Steel Double Shut-off P. 145
- Stainless Steel P. 196

Chart

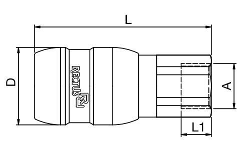
Air



Couplings — RECTUS Series 27KE



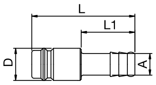
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
Male Thread	R 3/8	27	79	38	9					Standard	27KE AK17 MPN
Male Thread	R 1/2	27	80,5	38	12					Standard	27KE AK21 MPN
Male Thread	R 3/4	32	86	38	16					Standard	27KE AK26 MPN
Female Thread	G 3/8	27	83	38	14					Standard	27KE IW17 MPN
Female Thread	G 1/2	27	84	38	14					Standard	27KE IW21 MPN
Female Thread	G 3/4	32	86	38	14					Standard	27KE IW26 MPN

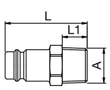
Plugs — RECTUS Series 27KE



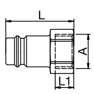
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
6 mm		48	15	25					Standard	27SF TF06 SXN
8 mm		48	15	25					Standard	27SF TF08 SXN
9 mm		48	15	25					Standard	27SF TF09 SXN
10 mm		48	15	25					Standard	27SF TF10 SXN
13 mm		48	15	25					Standard	27SF TF13 SXN
16 mm		49	18	25					Standard	27SF TF16 SXN
19 mm		49	18	25					Standard	27SF TF19 SXN

Plugs — RECTUS Series 27KE



Male Thread



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
R 1/4	17	40		12					Standard	27SF AK13 SXN
R 3/8	17	40		12					Standard	27SF AK17 SXN
R 1/2	22	45		17					Standard	27SF AK21 SXN
R 3/4	27	48		19					Standard	27SF AK26 SXN
G 1/4	17	33		9					Standard	27SF IW13 SXN
G 3/8	19	33		9					Standard	27SF IW17 SXN
G 1/2	24	37		12					Standard	27SF IW21 SXN
G 3/4	32	42		16					Standard	27SF IW26 SXN

Self-Venting System

Nominal Diameter

11 = 95 mm^2

RECTUS Series

37KE

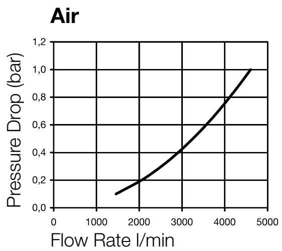
70% of actual size

You will find the following alternative versions in our current catalogue on page:

▶ Brass/Steel S. 109

Technical Description
The 37KE series is a single shut-off one-hand operating self-venting coupling. The large nominal diameter makes the 37KE especially suited to mains and supply pipes. Coupling is achieved in the same way as with all series couplings – simply by pushing the plug into the coupling. When uncoupling, the first lock is released by pulling the sleeve forward in the direction of the plug. This allows the compressed air to escape from the plug. The second locking system is released by pushing the sleeve back – it is only now, that the plug can be taken out safely.

Chart



Advantages
The system fulfils the requirements of ISO 4414.
- increased safety standards in the work place
- the plastic sleeve does not scratch working surfaces

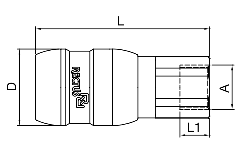
Caution
Not recommended for direct connection to compressed air tools. Reliable functioning can only be guaranteed in conjunction with original Rectus plugs made of steel.

Working Pressure
PB = 12 bar, maximum static working pressure with safety factor of 4 to 1.

Working Temperature
-20°C up to +60°C (NBR) depending on the medium.

Material	**Standard**
Coupling	
Back Body	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated
Sleeve	Thermoplastic
Valve	Brass
Spring	AISI 301
Locking Balls	AISI 420
Seals	NBR
Pins	AISI 420
Plug	Steel Zinc Plated, Thick Layer Passivation, Yellow Colored

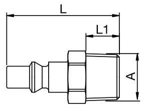
Couplings — RECTUS Series 37KE



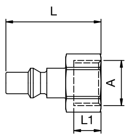
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
G1/2	30	93	43	14					Standard	37KE IW21 MPNS_01
G 3/4	32	95	43	16					Standard	37KE IW26 MPNS_01

Plugs — RECTUS Series 37KE



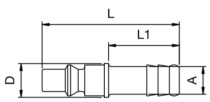
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
Male Thread	R 3/8	17	53		12					Standard	37SF AK17 SXG
Male Thread	R 1/2	22	60		17					Standard	37SF AK21 SXG
Male Thread	R 3/4	27	61		19					Standard	37SF AK26 SXG
Female Thread	G 3/8	19	47		8					Standard	37SF IW17 SXG
Female Thread	G 1/2	24	50		10					Standard	37SF IW21 SXG
Female Thread	G 3/4	32	57		14					Standard	37SF IW26 SXG

Plugs — RECTUS Series 37KE



Hose Barb

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	H mm	B mm	G mm	Version	Part Number
Hose Barb	10 mm		62	17	25					Standard	37SF TF10 SXG
Hose Barb	13 mm		62	17	25					Standard	37SF TF13 SXG
Hose Barb	19 mm		72	21	35					Standard	37SF TF19 SXG

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

Nominal Diameter

7,4 = 43 mm²

RECTUS Series

95KS

90% of actual size

Technical Description
The 95KS coupling system has a safety lock. To disconnect, the plug must first be pushed further into the coupling before it can be unlocked. This prevents unintentional disconnection.

Dust Caps (P. 331)
for coupling Part.-No. SK23S

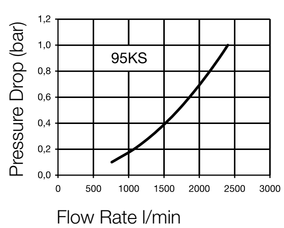
Advantages
Disconnecting the safety coupling is only possible after the plug has first been pushed further into the coupling. Cannot be interconnected with the 96KS series. Single handed operation with a multitude of connecting possibilities. High flow rates due to the UltraFlo valve. Tested according EN 139 standard.

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

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°C (FFKM)
depending on the medium.

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

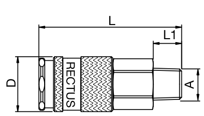
Chart
Air



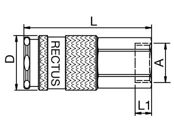
Material	Standard	AISI 303 / Brass
Coupling		
Back Body	Brass, Nickel Plated	Brass, Nickel Plated
Valve Body	Brass, Nickel Plated	AISI 303
Sleeve	Brass, Nickel Plated	Brass, Nickel Plated
Valve	Zinc Diecasting, Nickel Plated	Zinc Diecasting, Nickel Plated
Spring and Locking Ring	AISI 301	AISI 301
Ring	AISI 420	AISI 420
Locking Balls	NBR	NBR
Seals	Brass	AISI 303
Distance Sleeve	Brass	Brass
Spring Plate		
Plug		
Plug	Brass, Nickel Plated	

Couplings — RECTUS Series 95KS

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
Male Thread	R 1/4	19	61	23	12					Standard	95KS AK13 BPN
										AISI 303/Brass	95KS AK13 RPN
	R 3/8	19	60	23	12					Standard	95KS AK17 BPN
										AISI 303/Brass	95KS AK17 RPN
	R 1/2	22	61	23	17					Standard	95KS AK21 BPN
										AISI 303/Brass	95KS AK21 RPN
Female Thread	G 1/4	19	56	23	10					Standard	95KS IW13 BPN
										AISI 303/Brass	95KS IW13 RPN
	G 3/8	19	55	23	9					Standard	95KS IW17 BPN
										AISI 303/Brass	95KS IW17 RPN
	G 1/2	24	58	23	12					Standard	95KS IW21 BPN
										AISI 303/Brass	95KS IW21 RPN

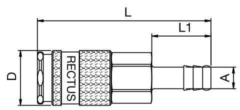


Male Thread



Female Thread

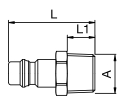
Couplings — RECTUS Series 95KS



Hose Barb

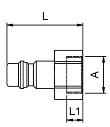
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
6 mm	19	74	23	25					Standard	95KS TF06 BPN
									AISI 303/Brass	95KS TF06 RPN
7 mm	20	77	23	22					Standard	95KS TF07 BPN
									AISI 303/Brass	95KS TF07 RPN
8 mm	19	74	23	25					Standard	95KS TF08 BPN
									AISI 303/Brass	95KS TF08 RPN
9 mm	19	74	23	25					Standard	95KS TF09 BPN
									AISI 303/Brass	95KS TF09 RPN
10 mm	19	74	23	25					Standard	95KS TF10 BPN
									AISI 303/Brass	95KS TF10 RPN
13 mm	19	74	23	25					Standard	95KS TF13 BPN
									AISI 303/Brass	95KS TF13 RPN

Plugs — RECTUS Series 95KS



Male Thread

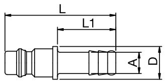
Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
R 1/4	14	38,5		12					Standard	95SS AK13 MXN
R 3/8	17	38,5		12					Standard	95SS AK17 MXN



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
G 1/4	17	33		9					Standard	95SS IW13 MXN
G 3/8	19	33		9					Standard	95SS IW17 MXN

Plugs — RECTUS Series 95KS



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
6 mm		47,5	14	25					Standard	95SS TF06 MXN
9 mm		47,5	14	25					Standard	95SS TF09 MXN
10 mm		47,5	14	25					Standard	95SS TF10 MXN

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

Breathing Air

Nominal Diameter

7,4 = 43 mm²

RECTUS Series

96KS

90% of actual size

Technical Description

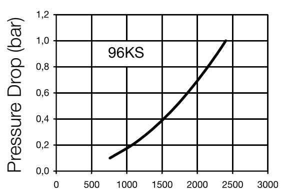
The 96KS coupling system has a safety lock. To disconnect, the plug must first be pushed further into the coupling before it can be unlocked. This prevents unintentional disconnection.

Dust Caps (P. 331)

for coupling Part.-No. SK23S
for plug Part.-No. SK12S

Chart

Air



Flow Rate l/min

Advantages

Disconnecting the safety coupling is only possible after the plug has first been pushed further into the coupling. Single handed operation with a multitude of connecting possibilities. High flow rates due to the UltraFlo valve. Tested according EN 139 standard.

Working Pressure

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

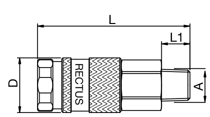
Working Temperature*

-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°C (FFKM)
depending on the medium.

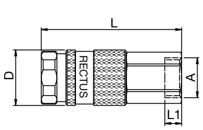
*At a temperature below -20°C and above +100°C special seals are available on request.

Material	**Standard**	**AISI 303**
Coupling		
Back Body	Brass, Nickel Plated	AISI 303
Valve Body	Brass, Nickel Plated	AISI 303
Sleeve	Brass, Nickel Plated	AISI 303
Valve	Zinc Diecasting, Nickel Plated	AISI 303
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 316
Seals	NB	FKM
Distance Sleeve	Brass	AISI 303
Spring Plate	Brass	AISI 303
Plug		
Plug	Brass, Nickel Plated	AISI 303

Couplings — RECTUS Series 96KS



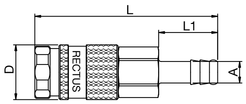
Male Thread



Female Thread

	Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
Male Thread	R 1/4	19	65	23	12					Standard	96KS AK13 BPN
Male Thread	R 3/8	19	64	23	12					Standard	96KS AK17 BPN
Male Thread	G 3/8	19	62	23	9					AISI 303	96KS AW17 RVX
Male Thread	R 1/2	22	66	23	17					Standard	96KS AK21 BPN
Female Thread	G 1/4	19	60	23	10					Standard	96KS IW13 BPN
Female Thread	G 3/8	19	59	23	9					Standard	96KS IW17 BPN

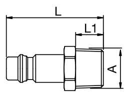
Couplings — RECTUS Series 96KS



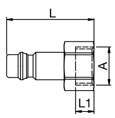
Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
6 mm	19	78	23	25					Standard	96KS TF06 BPN
7 mm	20	77	23	22					Standard	96KS TF07 BPN
9 mm	19	78	23	25					Standard	96KS TF09 BPN
10 mm	19	78	23	25					Standard	96KS TF10 BPN
13 mm	19	78	23	25					Standard	96KS TF13 BPN

Plugs — RECTUS Series 96KS



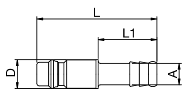
Male Thread



Female Thread

	Connection A	Hex mm	L mm	D mm	L1 mm	L2 mm	Hex1 mm	B mm	G mm	Version	Part Number
Male Thread	R 1/4	14	42		12					Standard	96SS AK13 MXN
Male Thread	R 3/8	17	42		12					Standard	96SS AK17 MXN
Male Thread	G 3/8	19	38		9					AISI 303	96SS AW17 RXX
Female Thread	G 1/4	17	38		10					Standard	96SS IW13 MXN
Female Thread	G 3/8	19	38		10					Standard	96SS IW17 MXN

Plugs — RECTUS Series 96KS



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW	B mm	G mm	Version	Part Number
6 mm		51	12	25					Standard	96SS TF06 MXN
9 mm		51	12	25					Standard	96SS TF09 MXN
13 mm		53	12	25					Standard	96SS TF13 MXN

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

Single Shut-Off

Nominal Diameter

5 = 20 mm²

RECTUS Series

21KA

50% of actual size

You will find the following alternative versions in our current catalogue on page:

- ▶ Brass/Steel P. 34
- ▶ Stainless Steel P. 185
- ▶ Thermoplastics P. 242
- ▶ Safety P. 266

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 media 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 media 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 inter-connected with the standard 21 series.

Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

Working Temperature

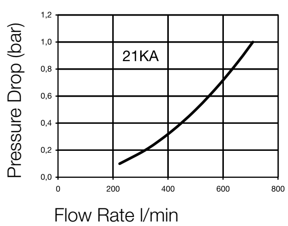
-20°C up to+100°C (NBR) depending on the medium.

Dust Caps (P. 331)

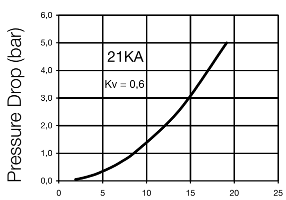
for coupling Part.-No. SK16S

Chart

Air



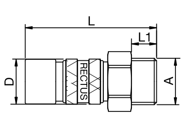
Water



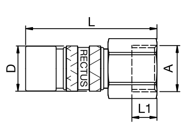
Material	**Standard**	**Brass, Nickel plated**
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Aluminium, elox.	Aluminium, elox.
Valve	Brass	Brass
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Plug	Brass with annodized aluminium designation	Brass, Nickel Plated with annodized aluminium designation
	see Part Number MPX, MXX	**see Part Number MPN, MXN**

Couplings — RECTUS Series 21KA

	A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	green Part Number	brown Part Number	blue Part Number	red Part Number
Male Thread	G 1/8	14	44,9	16	7					21KA AW10 MPX0	21KA AW10 MPX3	21KA AW10 MPX6	21KA AW10 MPX8
										21KA AW10 MPN0	21KA AW10 MPN3	21KA AW10 MPN6	21KA AW10 MPN8
	G 1/4	17	47	16	9					21KA AW13 MPX0	21KA AW13 MPX3	21KA AW13 MPX6	21KA AW13 MPX8
										21KA AW13 MPN0	21KA AW13 MPN3	21KA AW13 MPN6	21KA AW13 MPN8
Female Thread	G 1/8	14	44,9	16	7					21KA IW10 MPX0	21KA IW10 MPX3	21KA IW10 MPX6	21KA IW10 MPX8
										21KA IW10 MPN0	21KA IW10 MPN3	21KA IW10 MPN6	21KA IW10 MPN8
	G 1/4	17	47	16	9					21KA IW13 MPX0	21KA IW13 MPX3	21KA IW13 MPX6	21KA IW13 MPX8
										21KA IW13 MPN0	21KA IW13 MPN3	21KA IW13 MPN6	21KA IW13 MPN8

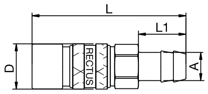


Male Thread



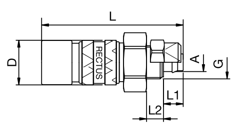
Female Thread

Couplings — RECTUS Series 21KA



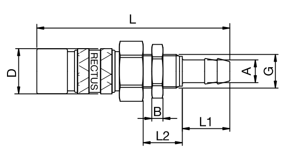
Hose Barb

A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	○ green Part Number	△ brown Part Number	⬡ blue Part Number	⬡ red Part Number
4 mm	14	69	16	17					21KA TF04 MPX0	21KA TF04 MPX3	21KA TF04 MPX6	21KA TF04 MPX8
4 mm	14	69	16	17					21KA TF04 MPN0	21KA TF04 MPN3	21KA TF04 MPN6	21KA TF04 MPN8
6 mm	14	69	16	17					21KA TF06 MPX0	21KA TF06 MPX3	21KA TF06 MPX6	21KA TF06 MPX8
6 mm	14	69	16	17					21KA TF06 MPN0	21KA TF06 MPN3	21KA TF06 MPN6	21KA TF06 MPN8
8 mm	14	69	16	17					21KA TF08 MPX0	21KA TF08 MPX3	21KA TF08 MPX6	21KA TF08 MPX8
8 mm	14	69	16	17					21KA TF08 MPN0	21KA TF08 MPN3	21KA TF08 MPN6	21KA TF08 MPN8
9 mm	14	69	16	17					21KA TF09 MPX0	21KA TF09 MPX3	21KA TF09 MPX6	21KA TF09 MPX8
9 mm	14	69	16	17					21KA TF09 MPN0	21KA TF09 MPN3	21KA TF09 MPN6	21KA TF09 MPN8
10 mm	14	69	16	17					21KA TF10 MPX0	21KA TF10 MPX3	21KA TF10 MPX6	21KA TF10 MPX8
10 mm	14	69	16	17					21KA TF10 MPN0	21KA TF10 MPN3	21KA TF10 MPN6	21KA TF10 MPN8



Plastic Hose Connection

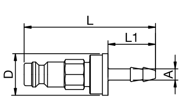
A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	○ green Part Number	△ brown Part Number	⬡ blue Part Number	⬡ red Part Number
4x6mm	14	51	16	7	6			M 10 x 1	21KA KO06 MPX0	21KA KO06 MPX3	21KA KO06 MPX6	21KA KO06 MPX8
									21KA KO06 MPN0	21KA KO06 MPN3	21KA KO06 MPN6	21KA KO06 MPN8
6x8mm	14	51	16	7	6			M 12 x 1	21KA KO08 MPX0	21KA KO08 MPX3	21KA KO08 MPX6	21KA KO08 MPX8
									21KA KO08 MPN0	21KA KO08 MPN3	21KA KO08 MPN6	21KA KO08 MPN8



Bulkhead Fitting for Hose Barb

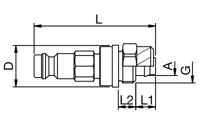
A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	○ green Part Number	△ brown Part Number	⬡ blue Part Number	⬡ red Part Number
4 mm	14	69	16	14	17	14	4	M 10 x 1	21KA TS04 MPX0	21KA TS04 MPX3	21KA TS04 MPX6	21KA TS04 MPX8
									21KA TS04 MPN0	21KA TS04 MPN3	21KA TS04 MPN6	21KA TS04 MPN8
5 mm	14	69	16	14	17	17	4	M 12 x 1	21KA TS05 MPX0	21KA TS05 MPX3	21KA TS05 MPX6	21KA TS05 MPX8
									21KA TS05 MPN0	21KA TS05 MPN3	21KA TS05 MPN6	21KA TS05 MPN8
6 mm	14	69	16	14	17	17	4	M 12 x 1	21KA TS06 MPX0	21KA TS06 MPX3	21KA TS06 MPX6	21KA TS06 MPX8
									21KA TS06 MPN0	21KA TS06 MPN3	21KA TS06 MPN6	21KA TS06 MPN8
8 mm	14	69	16	14	17	17	4	M 12 x 1	21KA TS08 MPX0	21KA TS08 MPX3	21KA TS08 MPX6	21KA TS08 MPX8
									21KA TS08 MPN0	21KA TS08 MPN3	21KA TS08 MPN6	21KA TS08 MPN8

Plugs — RECTUS Series 21KA



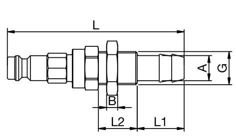
Hose Barb

A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	○ green Part Number	△ brown Part Number	⬡ blue Part Number	⬡ red Part Number
4 mm		47	15	17					21SF TF04 MXX0	21SF TF04 MXX3	21SF TF04 MXX6	21SF TF04 MXX8
									21SF TF04 MXN0	21SF TF04 MXN3	21SF TF04 MXN6	21SF TF04 MXN8
6 mm		47	15	17					21SF TF06 MXX0	21SF TF06 MXX3	21SF TF06 MXX6	21SF TF06 MXX8
									21SF TF06 MXN0	21SF TF06 MXN3	21SF TF06 MXN6	21SF TF06 MXN8



Plastic Hose Connection

A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	○ green Part Number	△ brown Part Number	⬡ blue Part Number	⬡ red Part Number
4x6 mm		43	15	7	6			M 10 x 1	21SF KO06 MXX0	21SF KO06 MXX3	21SF KO06 MXX6	21SF KO06 MXX8
									21SF KO06 MXN0	21SF KO06 MXN3	21SF KO06 MXN6	21SF KO06 MXN8
6x8 mm		43,5	15	7	6			M 12 x 1	21SF KO08 MXX0	21SF KO08 MXX3	21SF KO08 MXX6	21SF KO08 MXX8
									21SF KO08 MXN0	21SF KO08 MXN3	21SF KO08 MXN6	21SF KO08 MXN8

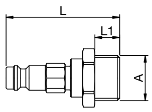
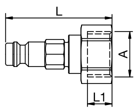


Bulkhead Fitting for Hose Barb

A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	○ green Part Number	△ brown Part Number	⬡ blue Part Number	⬡ red Part Number
4 mm	17	63		17	14	14	4	M 10 x 1	21SF TS04 MXX0	21SF TS04 MXX3	21SF TS04 MXX6	21SF TS04 MXX8
									21SF TS04 MXN0	21SF TS04 MXN3	21SF TS04 MXN6	21SF TS04 MXN8
6 mm	17	63		17	14	17	4	M 12 x 1	21SF TS06 MXX0	21SF TS06 MXX3	21SF TS06 MXX6	21SF TS06 MXX8
									21SF TS06 MXN0	21SF TS06 MXN3	21SF TS06 MXN6	21SF TS06 MXN8

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

Plugs — RECTUS Series 21KA

	A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	○ green Part Number	△ brown Part Number	⬡ blue Part Number	⬠ red Part Number
	G 1/8	17	39,5		7					21SF AW10 MXX0	21SF AW10 MXX3	21SF AW10 MXX6	21SF AW10 MXX8
										21SF AW10 MXN0	21SF AW10 MXN3	21SF AW10 MXN6	21SF AW10 MXN8
	G 1/4	17	41,5		9					21SF AW13 MXX0	21SF AW13 MXX3	21SF AW13 MXX6	21SF AW13 MXX8
Male Thread										21SF AW13 MXN0	21SF AW13 MXN3	21SF AW13 MXN6	21SF AW13 MXN8
	G 1/8	17	38,5		5					21SF IW10 MXX0	21SF IW10 MXX3	21SF IW10 MXX6	21SF IW10 MXX8
										21SF IW10 MXN0	21SF IW10 MXN3	21SF IW10 MXN6	21SF IW10 MXN8
	G 1/4	17	39		7					21SF IW13 MXX0	21SF IW13 MXX3	21SF IW13 MXX6	21SF IW13 MXX8
Female Thread										21SF IW13 MXN0	21SF IW13 MXN3	21SF IW13 MXN6	21SF IW13 MXN8

RECTUS Series

25KA

Nominal Diameter

48 mm² = **7,8**

Single Shut-Off

Technical Description

The 25 series UltraFlo valve enables this single handed, quick connect coupling to be used in applications where higher flow rates are required. Although similar to the 21 series, the 25 series is an excellent solution for the problem of connecting different media. Four standard codes matching the coupling and the respective plug ensure that media are not mixed up when connecting. Double shut-off and straight- through couplings are available upon request. Cannot be interconnected with the Rectus standard 25 series.

Advantages

A quality coupling with compact dimensions. Single handed operation, high flow rate for its size. Multiple options for connecting.

Working Pressure

PB = 35 bar, maximum static working pressure with safety factor of 4 to1.

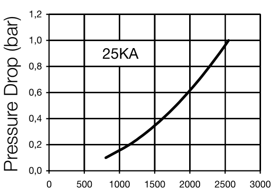
Working Temperature

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

50% of actual size

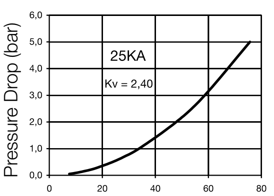
Chart

Air



Flow Rate l/min

Water



Flow Rate l/min

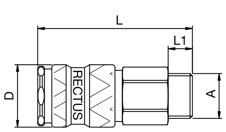
Material	Standard	Brass, Nickel plated
Coupling		
Back Body	Brass	Brass, Nickel Plated
Valve Body	Brass	Brass, Nickel Plated
Sleeve	Aluminium, elox.	Aluminium, elox.
Valve	Zinc Diecasting, Nickel Plated	Zinc Diecasting, Nickel Plated
Spring and Locking Ring	AISI 301	AISI 301
Locking Balls	AISI 420	AISI 420
Seals	NBR	NBR
Plug	Brass with annodized aluminium designation	Brass, Nickel Plated with annodized aluminium designation
	see Part Number BPX, MXX	**see Part Number BPN, MXN**

You will find the following alternative versions in our current catalogue on page:

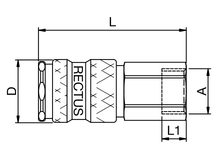
- ▶ Brass/Steel P. 73
- ▶ Stainless Steel P. 192
- ▶ Safety P. 270
- ▶ Safety Self-Venting P. 290

Couplings — RECTUS Series 25KA

	A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	○ green Part Number	△ brown Part Number	⬡ blue Part Number	○ red Part Number
Male Thread	G 1/4	19	57,5	23	12					25KA AW13 BPX0	25KA AW13 BPX3	25KA AW13 BPX6	25KA AW13 BPX8
										25KA AW13 BPN0	25KA AW13 BPN3	25KA AW13 BPN6	25KA AW13 BPN8
	G 3/8	19	57,5	23	12					25KA AW17 BPX0	25KA AW17 BPX3	25KA AW17 BPX6	25KA AW17 BPX8
										25KA AW17 BPN0	25KA AW17 BPN3	25KA AW17 BPN6	25KA AW17 BPN8
	G 1/2	22	61	23	17					25KA AW21 BPX0	25KA AW21 BPX3	25KA AW21 BPX6	25KA AW21 BPX8
										25KA AW21 BPN0	25KA AW21 BPN3	25KA AW21 BPN6	25KA AW21 BPN8
Female Thread	G 1/4	19	55	23	10					25KA IW13 BPX0	25KA IW13 BPX3	25KA IW13 BPX6	25KA IW13 BPX8
										25KA IW13 BPN0	25KA IW13 BPN3	25KA IW13 BPN6	25KA IW13 BPN8
	G 3/8	19	55	23	9					25KA IW17 BPX0	25KAIW17 BPX3	25KA IW17 BPX6	25KA IW17 BPX8
										25KA IW17 BPN0	25KA IW17 BPN3	25KA IW17 BPN6	25KA IW17 BPN8
	G 1/2	24	58	23	12					25KA IW21 BPX0	25KA IW21 BPX3	25KA IW21 BPX6	25KA IW21 BPX8
										25KA IW21 BPN0	25KA IW21 BPN3	25KA IW21 BPN6	25KA IW21 BPN8



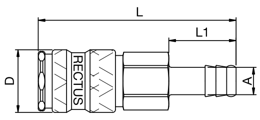
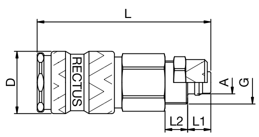
Male Thread



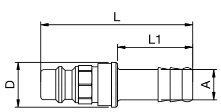
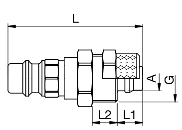
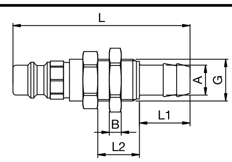
Female Thread

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

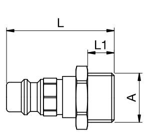
Couplings RECTUS Series 25KA

	A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	○ green Part Number	△ brown Part Number	⬡ blue Part Number	⬠ red Part Number
 Hose Barb	6 mm	19	74	23	25					25KA TF06 BPX0	25KA TF06 BPX3	25KA TF06 BPX6	25KA TF06 BPX8
										25KA TF06 BPN0	25KA TF06 BPN3	25KA TF06 BPN6	25KA TF06 BPN8
	9 mm	19	74	23	25					25KA TF09 BPX0	25KA TF09 BPX3	25KA TF09 BPX6	25KA TF09 BPX8
										25KA TF09 BPN0	25KA TF09 BPN3	25KA TF09 BPN6	25KA TF09 BPN8
	13 mm	19	74	23	25					25KA TF13 BPX0	25KA TF13 BPX3	25KA TF13 BPX6	25KA TF13 BPX8
										25KA TF13 BPN0	25KA TF13 BPN3	25KA TF13 BPN6	25KA TF13 BPN8
 Plastic Hose Connection	6x8mm	19	61	23	7	6			M 12 x 1	25KA KO08 BPX0	25KA KO08 BPX3	25KA KO08 BPX6	25KA KO08 BPX8
										25KA KO08 BPN0	25KA KO08 BPN3	25KA KO08 BPN6	25KA KO08 BPN8
	8x10mm		65		9	8			M 16 x 1	25KA KO10 BPX0	25KA KO10 BPX3	25KA KO10 BPX6	25KA KO10 BPX8
										25KA KO10 BPN0	25KA KO10 BPN3	25KA KO10 BPN6	25KA KO10 BPN8
	10x12mm		65		9	8			M 16 x 1	25KA KO12 BPX0	25KA KO12 BPX3	25KA KO12 BPX6	25KA KO12 BPX8
										25KA KO12 BPN0	25KA KO12 BPN3	25KA KO12 BPN6	25KA KO12 BPN8

Plugs RECTUS Series 25KA

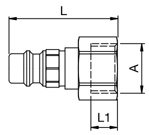
	A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	○ green Part Number	△ brown Part Number	⬡ blue Part Number	⬠ red Part Number
 Hose Barb	6 mm		50,5	15	25					26SF TF06 MXX0	26SF TF06 MXX3	26SF TF06 MXX6	26SF TF06 MXX8
										26SF TF06 MXN0	26SF TF06 MXN3	26SF TF06 MXN6	26SF TF06 MXN8
	9 mm		50,5	15	25					26SF TF09 MXX0	26SF TF09 MXX3	26SF TF09 MXX6	26SF TF09 MXX8
										26SF TF09 MXN0	26SF TF09 MXN3	26SF TF09 MXN6	26SF TF09 MXN8
	13 mm		50,5	15	25					26SF TF13 MXX0	26SF TF13 MXX3	26SF TF13 MXX6	26SF TF13 MXX8
										26SF TF13 MXN0	26SF TF13 MXN3	26SF TF13 MXN6	26SF TF13 MXN8
 Plastic Hose Connection	6x8 mm		43,5		7	6			M 12 x 1	26SF KO08 MXX0	26SF KO08 MXX3	26SF KO08 MXX6	26SF KO08 MXX8
										26SF KO08 MXN0	26SF KO08 MXN3	26SF KO08 MXN6	26SF KO08 MXN8
	8x10 mm	17	43,5		8,5	8,5			M 16 x 1	26SF KO10 MXX0	26SF KO10 MXX3	26SF KO10 MXX6	26SF KO10 MXX8
										26SF KO10 MXN0	26SF KO10 MXN3	26SF KO10 MXN6	26SF KO10 MXN8
 Bulkhead Fitting for Hose Barb	6 mm	17	60		17	14	17	4	M 12 x 1	26SF TS06 MXX0	26SF TS06 MXX3	26SF TS06 MXX6	26SF TS06 MXX8
										26SF TS06 MXN0	26SF TS06 MXN3	26SF TS06 MXN6	26SF TS06 MXN8
	9 mm	17	60		17	14	17	4	M 14 x 1	26SF TS09 MXX0	26SF TS09 MXX3	26SF TS09 MXX6	26SF TS09 MXX8
										26SF TS09 MXN0	26SF TS09 MXN3	26SF TS09 MXN6	26SF TS09 MXN8
	13 mm	17	60		25	14	19	4	M 16 x 1	26SF TS13 MXX0	26SF TS13 MXX3	26SF TS13 MXX6	26SF TS13 MXX8
										26SF TS13 MXN0	26SF TS13 MXN3	26SF TS13 MXN6	26SF TS13 MXN8

Plugs RECTUS Series 25KA

	A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	○ green Part Number	△ brown Part Number	⬡ blue Part Number	⬠ red Part Number
 Male Thread	G 1/4	17	36,5		9					26SF AW13 MXX0	26SF AW13 MXX3	26SF AW13 MXX6	26SF AW13 MXX8
										26SF AW13 MXN0	26SF AW13 MXN3	26SF AW13 MXN6	26SF AW13 MXN8
	G 3/8	19	41,5		12					26SF AW17 MXX0	26SF AW17 MXX3	26SF AW17 MXX6	26SF AW17 MXX8
										26SF AW17 MXN0	26SF AW17 MXN3	26SF AW17 MXN6	26SF AW17 MXN8

Plugs — RECTUS Series 25KA

	A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	○ green Part Number	△ brown Part Number	⬡ blue Part Number	⯃ red Part Number
Female Thread	G 1/4	17	36,5		8					26SF IW13 MXX0	26SF IW13 MXX3	26SF IW13 MXX6	26SF IW13 MXX8
										26SF IW13 MXN0	26SF IW13 MXN3	26SF IW13 MXN6	26SF IW13 MXN8
	G 3/8	19	36,5		8					26SF IW17 MXX0	26SF IW17 MXX3	26SF IW17 MXX6	26SF IW17 MXX8
										26SF IW17 MXN0	26SF IW17 MXN3	26SF IW17 MXN6	26SF IW17 MXN8



Female Thread

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

Single Shut-Off

Nominal Diameter
7,4 = 42 mm²

RECTUS Series
65-67

35% of actual size

Technical Description
The 65-67 series are quick connect couplings designed for use as pressure regulators for fuel, gas and oxygen as well as welding torches.

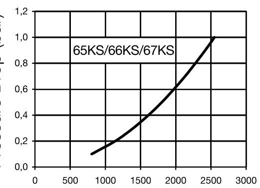
Advantages
Our „RectuKey“ coding system prevents mixing up media. Up to three different media can be safely (non-interchangeable) connected with the standard version. The 65 - 67 series can be equipped with both a safety locking system (ensures that an unintentional disconnection cannot occur) as well as without a safety locking system.

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

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

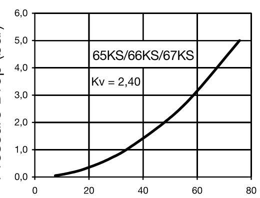
Chart

Air



Flow Rate l/min

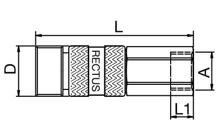
Water



Flow Rate l/min

Material	Standard
Coupling	
Valve Body	Brass, ungreased
Sleeve	Brass, ungreased
Back Body	Brass, ungreased
Valve	Brass, ungreased
Spring and Locking Ring	AISI 301
Locking Balls	AISI 420
Plug	Brass, ungreased
	Dust Cap on request

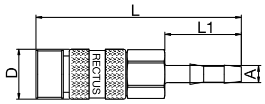
Couplings — RECTUS Series 65-67



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Oxygen										
G 1/4 right	19	69,5	22	10					Standard	65KS IW13 MVX
G 3/8 right	19	69,5	22	9					Standard	65KS IW17 MVX
Fuel gas										
G 1/4 left	19	69,5	22	10					Standard	66KS IL13 MEX
G 3/8 left	19	69,5	22	10					Standard	66KS IL17 MEX
Var. Media										
G 1/4 left	19	69,5	22	10					Standard	67KS IL13 MVX
G 3/8 left	19	69,5	22	10					Standard	67KS IL17 MVX

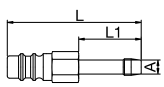
Couplings — RECTUS Series 65-67



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Oxygen										
6 mm	19	90	22	33					Standard	65KS TF06 MVX
9 mm	19	90	22	33					Standard	65KS TF09 MVX
Fuel gas										
6 mm	19	90	22	33					Standard	66KS TF06 MEX
9 mm	19	90	22	33					Standard	66KS TF09 MEX
Var. Media										
6 mm	19	90	22	33					Standard	67KS TF06 MVX
9 mm	19	90	22	33					Standard	67KS TF09 MVX

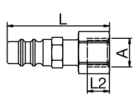
Plugs — RECTUS Series 65-67



Hose Barb

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
Oxygen										
6 mm		60		28					Standard	65SS TF06 MXX
9 mm		60		28					Standard	65SS TF09 MXX
Fuel gas										
6 mm		60		28					Standard	66SS TF06 MXX
9 mm		60		28					Standard	66SS TF09 MXX
Var. Media										
6 mm		60		28					Standard	67SS TF06 MXX
9 mm		60		28					Standard	67SS TF09 MXX

Plugs — RECTUS Series 65-67



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 mm	B mm	G mm	Version	Part Number
Oxygen										
G 1/4 right	17	46		10					Standard	65SS IW13 MXX
G 3/8 right	19	46		10					Standard	65SS IW17 MXX
Fuel gas										
G 1/4 left	17	46		10					Standard	66SS IL13 MXX
G 3/8 left	19	46		10					Standard	66SS IL17 MXX
Var. Media										
G 1/4 left	17	46		10					Standard	67SS IL13 MXX
G 3/8 left	19	46		10					Standard	67SS IL17 MXX

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

Dry Break

Nominal Diameter

8 = 50 mm²

RECTUS Series

99KL

60% of actual size

You will find the following alternative versions in our current catalogue on page:

▶ Stainless Steel Dry-Break P. 232

Technical Description

Dry-Break, unmistakable system. During the connection process, the plug and the coupling seals before both valves open. The valves close simultaneously when disconnected, allowing the coupling and plug to be separated afterward. This ensures minimum leakage. Coded via two lateral grooves on the plug and a similar guide in the coupling, which are arranged in different angular degrees. Particularily suitable for liquid and aggressive media especially for High Purity Applications.

Advantages

Single handed operation. 8-way coding. All invidual parts are electro-burnished.

Working Pressure

PB = 6 bar, maximum static working pressure with safety factor of 4 to 1.

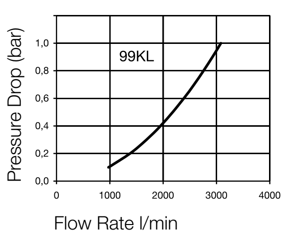
Working Temperature*

-0°C up to +316°C (FFKM) depending on the medium.

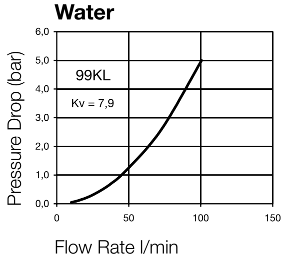
Information about the plug Protection Cap (Part-No. SK 99 EXXS) on request.

Chart

Air



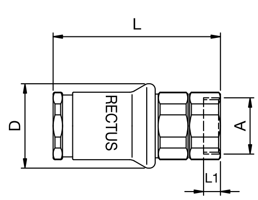
Water



Material

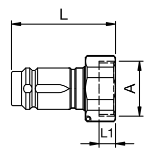
	AISI 316 L
Coupling	
Back Body	AISI 316 L
Valve Body	AISI 316 L
Sleeve	AISI 316 L
Valve	AISI 316 L
Spring and Locking Ring	AISI 301
Locking Balls	AISI 316 L
Seals	FFKM 4079
Valve Stem Guide	PTFE
Threaded Nut	AISI 316 L
Plug	
Plug Profile	AISI 316 L
Valve Stem Guide	PTFE
Valve	AISI 316 L
Spring	AISI 301
Seals	FFKM 4079
Threaded Nut	AISI 316 L

Couplings — RECTUS Series 99 KL



Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 30 x 2/30°	34	97	45	10					AISI 316 L	99KL IM30 EKX30
M 30 x 2/45°									AISI 316 L	99KL IM30 EKX45
M 30 x 2/60°									AISI 316 L	99KL IM30 EKX60
M 30 x 2/75°									AISI 316 L	99KL IM30 EKX75
M 30 x 2/90°									AISI 316 L	99KL IM30 EKX90
M 30 x 2/105°									AISI 316 L	99KL IM30 EKX105
M 30 x 2/120°									AISI 316 L	99KL IM30 EKX120
M 30 x 2/150°									AISI 316 L	99KL IM30 EKX150



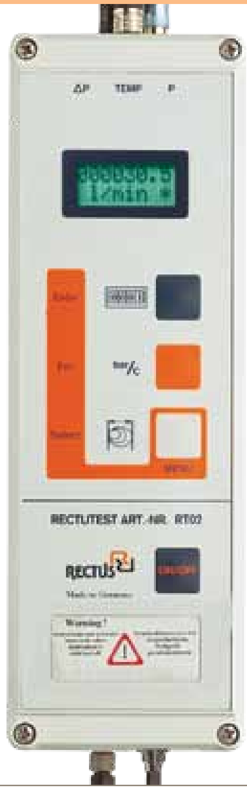
Female Thread

Connection A	Hex SW	L mm	D mm	L1 mm	L2 mm	Hex1 SW1	B mm	G mm	Version	Part Number
M 30 x 2/30°	34	57		9					AISI 316 L	99SL IM30 EKX30
M 30 x 2/45°									AISI 316 L	99SL IM30 EKX45
M 30 x 2/60°									AISI 316 L	99SL IM30 EKX60
M 30 x 2/75°									AISI 316 L	99SL IM30 EKX75
M 30 x 2/90°									AISI 316 L	99SL IM30 EKX90
M 30 x 2/105°									AISI 316 L	99SL IM30 EKX105
M 30 x 2/120°									AISI 316 L	99SL IM30 EKX120
M 30 x 2/150°									AISI 316 L	99SL IM30 EKX150

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

RECTUS Measuring-Systems

RectuTest



Detect power losses. Cut costs. Assign the true consumption to the right cost centre. Keep your compressed air system under control with RectuTest.

Determining the exact consumption of compressed air used to be a costly venture and was often rejected for investment reasons. It was also difficult to assess the effectiveness and level of efficiency of the compressed air tools used.

The RectuTest RT02 unit measures the flow of compressed air through pipelines. It determines the current volume flow with an accuracy level of approx. 2,5% of the measured value.

A specially developed nozzle is used to create a small pressure drop in the through-flow. This so-called effective pressure is a measure of the current flow volume. The exact standard volume flow is determined through simultaneous measurement of the medium temperature and the system pressures in the pressure line.

With its integrated display, the microprocessor-controlled RectuTest RT02 shows either the current volume flow in standard l/min or standard m^3/h. Further display options are: compressed air consumption in m^3/h, system pressure in bar and system temperature in °C.

The network function is specially integrated for several permanently installed devices. This permits the simple remote control and remote scanning of an almost unlimited number of RectuTest RT02 units through a linked-up PC.

Technical data

Housing: ABS grey (IP 65), W 80 x L 240 x H 60 mm

Power supply: 220 V/5 watts

Operating temperature: 0°C up to 60°C

Pressure drop: 0,1 bar (in the nozzle)

Measuring accuracy: ± 2,5% of measured value (flow rate and consumption measurement in the specified operating temperature and measuring ranges, according to table)

Permissible operating pressure: max. 10 bar

Resistance to pressure: max. 16 bar (without measurement)

Network: Any number of measuring units can be linked up using network socket

RectuTest — RECTUS Measuring-Systems

	Description	Part Number
Standard Design: 	RectuTest with following equipment:	RT 02 Set
	- 1/2” measuring nozzle	
	- 2 pcs. 2 m plastic hose	
	- temperature sensor with cable	
	- software for PC port	
	- PC connecting cable	
	- connection coupling	
	- operating instructions	
	- equipment case	
Optional equipment:	Measuring diaphragm Ø 2 with 1/4” pipe thread*	RD 13/02
	Measuring diaphragm Ø 4 with 1/4” pipe thread*	RD 13/04
	1” measuring nozzle with 1” pipe thread*	RD 33
	2” measuring nozzle with 2” pipe thread*	RD 60
	Network cable for connecting several meters	RTZ_01
* made of nickel-plated brass incl. CD-ROM with calibration data.	(standard 5 m, other lengths on request)	

Scope of delivery
The RectuTest RT02 is supplied in a sturdy case with plastic inserts. The standard equipment includes the following:
- RectuTest RT02 measuring unit with power cable
- 1/2” nozzle (calibrated)
- measuring hoses made of PA, each 2 m long
- temperature sensor with 2 m connecting cable
- one set of quick connect couplings complete with connectors
- PC connecting cable 5 m for parallel port
- software on 3,5” disk for remote control of the RectuTest RT02
- operating instructions

The following are available as optional extras:
- 16-bit software (Win 3,1x)
- PC cable for serial port
- measuring nozzles, 2 mm and 4 mm**
- 1” nozzle, 2” nozzle**
- other measuring nozzles on request
- network cable, length at customer’s request
- analog interface, 4-20 mA, 0-1 V

** with calibration data on CD-ROM

Software for Windows 95 + Win 98 + Win NT 4.0 allowing remote control of all functions of an individual unit or of all networked units through a PC is supplied with the RectuTest RT02. The measured results can be continuously stored, with time stamp. The stored data can be printed out or further processed using other software programs, such as Word or Excel. Hardware requirements: PC with Windows 95 or higher, with CD-ROM-drive. In this way, the compressed air consumption can be assigned to the individual cost centres in the company.
Further applications are, for example, checking volume flows for values that are too high or too low.

Measuring ranges for compressed air

Output pressure	Volume flow, standardised in l/min.				
	2 mm nozzle	4 mm nozzle	1/2” nozzle	1” nozzle	2” nozzle
1 bar	3,2 to 48	14 to 210	102 to 1530	287 to 4300	1136 to 17000
6 bar	6,3 to 95	27 to 410	200 to 3000	567 to 8500	2200 to 33000
10 bar	8,0 to 120	34 to 510	250 to 3750	700 to 10500	2760 to 41500

RECTUS Accessories

Components / Blow-Guns

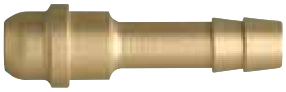
Threaded Nut — RECTUS Components

DIN EN 560
(left handed thread marked)

Connection	Hex mm	Length mm	Version	Part Number
G 1/8 right	12	11	Brass	UR 10
	12	11	AISI 303	UR 10 R
G 1/4 right	17	15,5	Brass	UR 13
	17	15,5	AISI 303	UR 13 R
	17	15,5	AISI 316 L	UR 13 E
G 3/8 right	19	16,5	Brass	UR 17
	19	14,5	Brass	UR 17 S***
	19	16,5	AISI 303	UR 17 R
	19	16,5	AISI 316 L	UR 17 E
G 1/4 r. f. 9 mm	17	15,5	Brass	UR 13/9*
	17	15,5	AISI 303	UR 13/9 R*
G 1/2 right	24	20,5	Brass	UR 21
	24	20,5	AISI 303	UR 21 R
	24	20,5	AISI 316 L	UR 21 E
G 1/4 left	17	15,5	Brass	UL 13
	17	15,5	AISI 303	UL 13 R
G 3/8 left	19	16,5	Brass	UL 17**
	19	16,5	AISI 303	UL 17 R
	19	16,5	AISI 316 L	UL 17 E
G 1/2 left	24	20,5	Brass	UL 21

* only for STP 13/09
** only to use with male x male nipples marked
*** shortened version, useable for all sizes

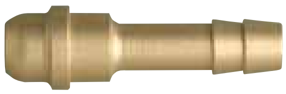
Hose Tail, Short — RECTUS Components



Connection	Hex mm	Length mm	Version	Part Number
4 mm for G 1/8		27,5	Brass	STP 10/04
		27,5	AISI 303	STP 10/04 R
6 mm for G 1/8		28	Brass	STP 10/06
		28	AISI 303	STP 10/06 R
4 mm for G 1/4		30,5	Brass	STP 13/04
		30,5	AISI 303	STP 13/04 R
6 mm for G 1/4		35,5	Brass	STP 13/06
		35,5	AISI 303	STP 13/06 R
		35,5	AISI 316 L	STP 13/06 E
9 mm for G 1/4		35,5	Brass	STP 13/09*
		35,5	AISI 303	STP 13/09 R*
4 mm for G 3/8		31	Brass	STP 17/04
6 mm for G 3/8		36	Brass	STP 17/06
		36	AISI 303	STP 17/06 R
		36	AISI 316 L	STP 17/06 E

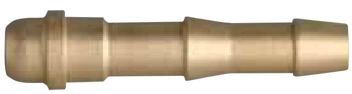
* UR 13/9 required

Hose Tail, short — RECTUS Components



Connection	Hex mm	Length mm	Version	Part Number
9 mm for G 3/8		36	Brass	STP 17/09
		36	AISI 303	STP 17/09 R
		36	AISI 316 L	STP 17/09 E
6 mm for G 1/2		38	Brass	STP 21/06
9 mm for G 1/2		38	Brass	STP 21/09
		38	AISI 303	STP 21/09 R
		38	AISI 316 L	STP 21/09 E
13 mm for G 1/2		44	Brass	STP 21/13

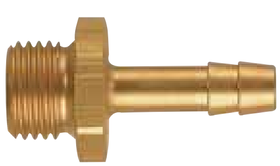
Hose Tail, long — RECTUS Components



DIN EN 560

Connection	Hex mm	Length mm	Version	Part Number
4 mm for G 1/4		47	Brass	STD 13/04
6 mm for G 1/4		47	Brass	STD 13/06
4 mm for G 3/8		47,5	Brass	STD 17/04
6 mm for G 3/8		47,5	Brass	STD 17/06
9 mm for G 3/4		47,5	Brass	STD 17/09

Hose Tail Barb — RECTUS Components



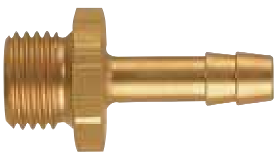
with Male Thread
(* inner cone 45°)

Connection	Hex mm	Length mm	Version	Part Number
M 5, 3 mm	7	15,5	Brass	GT 05/03
	7	15,5	AISI 303	GT 05/03 R
	7	15,5	AISI 316 L	GT 05/03 E
M 5, 4 mm	7	15,5	Brass	GT 05/04
	7	15,5	AISI 303	GT 05/04 R
	7	15,5	AISI 316 L	GT 05/04 E
M 6, 4 mm	8	23	Brass	GT 06/04
G 1/8, 4 mm*	14	28	Brass	GT 10/04
	14	28	AISI 303	GT 10/04 R
	14	28	AISI 316 L	GT 10/04 E
G 1/8, 6 mm*	14	33	Brass	GT 10/06
	14	33	AISI 303	GT 10/06 R
	14	33	AISI 316 L	GT 10/06 E

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

Hose Tail Barb

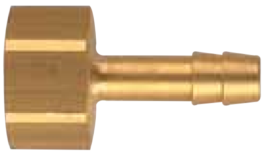
RECTUS Components



with Male Thread
(* inner cone 45°)

Connection	Hex mm	Length mm	Version	Part Number
G 1/8, 8 mm*	14	33	Brass	GT 10/08
G 1/8, 9 mm*	14	33	Brass	GT 10/09
	14	33	AISI 303	GT 10/09 R
	14	33	AISI 316 L	GT 10/09 E
G 1/4, 4 mm*	17	29,5	Brass	GT 13/04
	17	29,5	AISI 303	GT 13/04 R
	17	29,5	AISI 316 L	GT 13/04 E
G 1/4, 6 mm*	17	34,5	Brass	GT 13/06
	17	34,5	AISI 303	GT 13/06 R
	17	34,5	AISI 316 L	GT 13/06 E
G 1/4, 8 mm*	17	34,5	Brass	GT 13/08
G 1/4, 9 mm*	17	34,5	Brass	GT 13/09
	17	34,5	AISI 303	GT 13/09 R
	17	34,5	AISI 316 L	GT 13/09 E
G 1/4, 13 mm*	17	34,5	Brass	GT 13/13
G 3/8, 6 mm*	19	36	Brass	GT 17/06
	19	36	AISI 303	GT 17/06 R
	19	36	AISI 316 L	GT 17/06 E
G 3/8, 8 mm*	19	36	Brass	GT 17/08
G 3/8, 9 mm*	19	36	Brass	GT 17/09
	19	36	AISI 303	GT 17/09 R
	19	36	AISI 316 L	GT 17/09 E
G 3/8, 13 mm*	19	42	Brass	GT 17/13
	19	42	AISI 303	GT 17/13 R
	19	42	AISI 316 L	GT 17/13 E
G 1/2, 6 mm*	24	39	Brass	GT 21/06
G 1/2, 9 mm*	24	39	Brass	GT 21/09
	24	39	AISI 303	GT 21/09 R
	24	39	AISI 316 L	GT 21/09 E
G 1/2, 13 mm*	24	45	Brass	GT 21/13
	24	45	AISI 303	GT 21/13 R
	24	45	AISI 316 L	GT 21/13 E
G 3/4, 13 mm*	32	48,5	Brass	GT 26/13
G 3/4, 16 mm*	32	56,5	Brass	GT 26/16
G 3/4, 19 mm*	32	56,5	Brass	GT 26/19
G 1, 25 mm*	36	67,5	Brass	GT 33/25

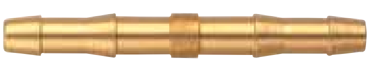
Hose Tail Barb — RECTUS Components



Female Thread

Connection	Hex mm	Length mm	Version	Part Number
G 1/8, 6 mm	12	31	Brass	GI 10/06
G 1/8, 8 mm	12	31	Brass	GI 10/08
G 1/4, 6 mm	17	33	Brass	GI 13/06
G 1/4, 8 mm	17	33	Brass	GI 13/08
G 1/4, 9 mm	17	33	Brass	GI 13/09
G 1/4, 13 mm	17	39	Brass	GI 13/13
G 3/8, 6 mm	19	33	Brass	GI 17/06
G 3/8, 8 mm	19	33	Brass	GI 17/08
G 3/8, 9 mm	19	33	Brass	GI 17/09
G 3/8, 13 mm	19	40	Brass	GI 17/13
G 1/2, 6 mm	24	36	Brass	GI 21/06
G 1/2, 8 mm	24	36	Brass	GI 21/08
G 1/2, 9 mm	24	36	Brass	GI 21/09
G 1/2, 13 mm	24	43	Brass	GI 21/13

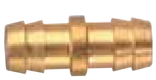
Hose Repairer — RECTUS Components



* DIN EN 560
** for hard hoses

Connection	Hex mm	Length mm	Version	Part Number
4 mm		50	Brass	DS 04/04 P**
6 mm		72	Brass	DS 06/06*
8 mm		72	Brass	DS 08/08*
9 mm		72	Brass	DS 09/09*
13 mm		74	Brass	DS 13/13

Hose Repairer, short — RECTUS Components

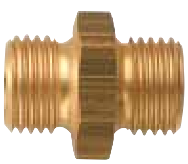


Connection	Hex mm	Length mm	Version	Part Number
4 mm		19	Brass	DK 04/04
6 mm		19	Brass	DK 06/06

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

Male x Male Nipple

RECTUS Components

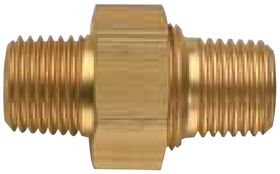


Connection	Hex mm	Length mm	Version	Part Number
M 5 x M 5	7	13	Brass	DN 05/05
	7	13	AISI 303	DN 05/05 R
	7	13	AISI 316 L	DN 05/05 E
M 5 x G 1/8	14	17	Brass	DN 05/10
	14	17	AISI 303	DN 05/10 R
	14	17	AISI 316 L	DN 05/10 E
M 5 x G 1/4	17	18,5	Brass	DN 05/13
G 1/8 x G 1/8*	14	19	Brass	DN 10/10
	14	19	AISI 303	DN 10/10 R
	14	19	AISI 316 L	DN 10/10 E
R 1/8 x R 1/8 con	12	21	Brass	DN 10/10 K
G 1/8 x G 1/4*	17	19,5	Brass	DN 10/13
	17	19,5	AISI 303	DN 10/13 R
	17	19,5	AISI 316 L	DN 10/13 E
G 1/8 x G 3/8**	19	21	Brass	DN 10/17
G 1/4 x G 1/4*	17	22	Brass	DN 13/13
	17	22	AISI 303	DN 13/13 R
	17	22	AISI 316 L	DN 13/13 E
R 1/4 x R 1/4 con	14	30	Brass	DN 13/13 K
G 1/4 x G 3/8 **	19	22,5	Brass	DN 13/17
	19	22,5	AISI 303	DN 13/17 R
	19	22,5	AISI 316 L	DN 13/17 E
G 1/4 x G 3/8 ext.***	19	24,5	Brass	DN 13/17 V
G 1/4 x G 1/2*	24	25,5	Brass	DN 13/21
G 3/8 x G 3/8**	19	23	Brass	DN 17/17
	19	23	AISI 303	DN 17/17 R
	19	23	AISI 316 L	DN 17/17 E
G 3/8 x G 3/8 long***	19	27	Brass	DN 17/17 V
R 3/8 x R 3/8 con.	17	30	Brass	DN 17/17 K
G 3/8 x G 1/2**	24	26	Brass	DN 17/21
	24	26	AISI 303	DN 17/21 R
	24	26	AISI 316 L	DN 17/21 E
G 3/8 x G 3/4**	32	29,5	Brass	DN 17/26
G 1/2 x G 1/2*	24	28	Brass	DN 21/21
	24	28	AISI 303	DN 21/21 R
	24	28	AISI 316 L	DN 21/21 E
R 1/2 x R 1/2 con	22	34	Brass	DN 21/21 K
G 1/2 x G 3/4*	32	31,5	Brass	DN 21/26
G 1/2 x G 1*	36	36,5	Brass	DN 21/33
G 3/4 x G 3/4*	32	33	Brass	DN 26/26
G 3/4x G 1*	36	34	Brass	DN 26/33
G 1 x G1*	36	37	Brass	DN 33/33
G 1/4 l. x G 1/4 l.*	14	34	Brass	DN 13/13 L
G 1/4 l. x G 3/8 l.*	17	35,5	Brass	DN 13/17 L
G 3/8 l. x G 3/8 l.*	17	37	Brass	DN 17/17 L

* inner cone 45°
** inner cone 45°, useable only together with threated nut UR 17 S
*** inner cone 45°, useable with threated nut UR17

Male x Male Nipples adjustable

RECTUS Components



Connection	Hex mm	Length mm	Version	Part Number
R 1/8 x R 1/8	15	27	Brass	LD 10/10 K
R 1/4 x R 1/4	19	34	Brass	LD 13/13 K
R 3/8 x R 3/8	22	37	Brass	LD 17/17 K
R 1/2 x R 1/2	27	44,5	Brass	LD 21/21 K
R 3/4 x R 3/4	36	53	Brass	LD 26/26 K
R 1 x R 1	46	64	Brass	LD 33/33 K

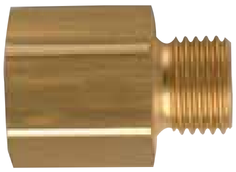
Reducing Bush, Short

RECTUS Components

Connection	Hex mm	Length mm	Version	Part Number
M 5 i. x G 1/8 o.	14	11	Brass	RK 05/10
	14	11	AISI 303	RK 05/10 R
	14	11	AISI 316 L	RK 05/10 E
M 5 i. x G 1/4 o.	17	12,5	Brass	RK 05/13
G 1/8 i. x G 1/4 o.	17	12,5	Brass	RK 10/13
	17	12,5	AISI 303	RK 10/13 R
	17	12,5	AISI 316 L	RK 10/13 E
G 1/8 i. x G 3/8 o.	19	13	Brass	RK 10/17
G 1/8 i. x G 1/2 o.	24	17	Brass	RK 10/21
G 1/4 i. x G 3/8 o.	19	14	Brass	RK 13/17
	19	14	AISI 303	RK 13/17 R
	19	14	AISI 316 L	RK 13/17 E
G 1/4 i. x G 1/2 o.	24	17	Brass	RK 13/21
G 3/8 i. x G 1/2 o.	24	17	Brass	RK 17/21
	24	17	AISI 303	RK 17/21 R
	24	17	AISI 316 L	RK 17/21 E
G 3/8 i. x G 3/4 o.	32	18	Brass	RK 17/26
G 1/2 i. x G 3/4 o.	32	20,5	Brass	RK 21/26
G 1/2 i. x G 1 o.	36	21,5	Brass	RK 21/33
G 3/4 i. x G 1 o.	36	21,5	Brass	RK 26/33

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

Reducing Bush, Long — RECTUS Components



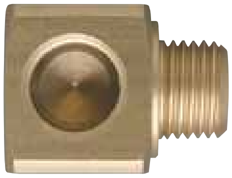
Connection	Hex mm	Length mm	Version	Part Number
M 5 o. x M 5 i.	8	15	Brass	RL 05/05
M 5 o. x G 1/8 i.	14	17	Brass	RL 05/10
G 1/8 o. x M 5 i.	14	17	Brass	RL 10/05
G 1/8 o. x G 1/8 i.*	14	23	Brass	RL 10/10
G 1/8 o. x G 1/4 i.*	17	26	Brass	RL 10/13
G 1/4 o. x G 1/8 i.*	17	26	Brass	RL 13/10
G 1/4 o. x G 1/4 i.*	17	28	Brass	RL 13/13
G 1/4 o. x G 3/8 i.*	19	29	Brass	RL 13/17
G 3/8 o. x G 1/4 i.*	19	29	Brass	RL 17/13
G 3/8 o. x G 3/8 i.*	19	29	Brass	RL 17/17
G 3/8 o. x G 1/2 i.*	24	32	Brass	RL 17/21
G 1/2 o. x G 3/8 i.*	24	34	Brass	RL 21/17
G 1/2 o. x G 1/2 i.*	24	34	Brass	RL 21/21
G 1/2 o. x G 3/4 i.*	32	31	Brass	RL 21/26

* inner cone 45°

Female x Female Socket — RECTUS Components

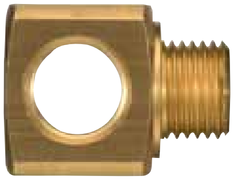
Connection	Hex mm	Length mm	Version	Part Number
M 5	8	12	Brass	MU 05
M 5	8	12	AISI 303	MU 05 R
G 1/8	14	22	Brass	MU 10
	14	22	AISI 303	MU 10 R
	14	22	AISI 316 L	MU 10 E
G 1/4	17	26	Brass	MU 13
	17	26	AISI 303	MU 13 R
	17	26	AISI 316 L	MU 13 E
G 3/8	22	26	Brass	MU 17
	22	26	AISI 303	MU 17 R
	22	26	AISI 316 L	MU 17 E
G 1/2	27	30	Brass	MU 21
	27	30	AISI 303	MU 21 R
	27	30	AISI 316 L	MU 21 E
G 3/4	32	36	Brass	MU 26
G 1	41	40	Brass	MU 33

90° Elbow — RECTUS Components



Connection	Hex mm	Version	Part Number
M 5	10	Brass	WS 05
M 5	10	Aluminium elox.	WS 05 A
G 1/8	16	Brass	WS 10
G 1/8	16	Aluminium elox.	WS 10 A
G 1/4	22	Brass	WS 13
G 1/4	22	Aluminium elox.	WS 13 A
G 3/8	27	Brass	WS 17
G 3/8	27	Aluminium elox.	WS 17 A

Tee — RECTUS Components



Connection	Hex mm	Version	Part Number
M 5	10	Brass	TK 05
M 5	10	Aluminium elox.	TK 05 A
G 1/8	15	Brass	TK 10
G 1/8	16	Aluminium elox.	TK 10 A
G 1/4	22	Brass	TK 13
G 1/4	22	Aluminium elox.	TK 13 A
G 3/8	27	Brass	TK 17
G 3/8	27	Aluminium elox.	TK 17 A

4 Port Manifold — RECTUS Components

Connection	Hex mm	Version	Part Number
G 1/8	30	Aluminium	VB 10
G 1/4	30	Aluminium	VB 13
G 3/8	43	Aluminium	VB 17
G 1/2	52	Aluminium	VB 21

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

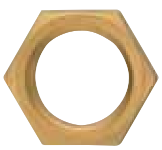
Multi-Port Manifold

RECTUS Components

Connection	1 Entry	9 Exit	Hex mm	Version	Part Number
G 1/8 x M 5	G 1/8	M 5	20	Aluminium elox.	VL 10/05
G 3/8 x G 1/8	G 3/8	G 1/8	30	Aluminium elox.	VL 17/10
G 1/2 x G 1/4	G 1/2	G 1/4	36	Aluminium elox.	VL 21/13

Bulkhead Lock Nut

RECTUS Components



Connection	Hex mm	Version	Part Number
G 1/8	15	Brass	KM 10 W
G 1/4	17	Brass	KM 13 W
G 3/8	22	Brass	KM 17 W
G 1/2	27	Brass	KM 21 W
G 3/4	30	Brass	KM 26 W
M 6 x 0,75	9	Brass	KM 06 M
M 8 x 1	12	Brass	KM 08 M
M 10 x 1	12	Brass	KM 10 M
M 12 x 1	17	Brass	KM 12 M
M 14 x 1	19	Brass	KM 14 M

Blanking Plug

RECTUS Components

Socket Pipe
(DIN 908)

Connection	Hex mm	Length mm	Version	Part Number
M 5 (head pipe)	8	8	Brass	VZ 05
	8	8	AISI 303	VZ 05 R
G 1/8	5	11	Brass	VZ 10
	5	11	AISI 303	VZ 10 R
	5	11	AISI 316 L	VZ 10 E
G 1/4	6	15	Brass	VZ 13
	6	5	AISI 303	VZ 13 R
	6	5	AISI 316 L	VZ 13 E
G 3/8	8	15	Brass	VZ 17
	8	15	AISI 303	VZ 17 R
	8	15	AISI 316 L	VZ 17 E
G 1/2	10	18	Brass	VZ 21
	10	18	AISI 303	VZ 21 R
	10	18	AISI 316 L	VZ 21 E
G 3/4	12	20	Brass	VZ 26

Blanking Plug — RECTUS Components

Tapered, with Socket Pipe (DIN 906)

Connection	Hex mm	Version	Part Number
R 1/8	5	Brass	VK 10
R 1/4	7	Brass	VK 13
R 3/8	8	Brass	VK 17

Washer, PVC — RECTUS Components

(Captive version page 329)

Connection	Hex mm	Version	Part Number
for M5			PD 05
for G 1/8			PD 10
for G 1/4			PD 13
for G 3/8			PD 17
for G 1/2			PD 21
for G 3/4			PD 26

Washer, Fiber — RECTUS Components

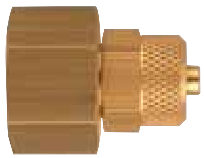
Connection	Hex mm	Part Number
for M5		FD 05
for G 1/8		FD 10
for G 1/4		FD 13
for G 3/8		FD 17
for G 1/2		FD 21
for G 3/4		FD 26

Washer, Aluminium — RECTUS Components

Connection	Hex mm	Part Number
for G 1/8		AD 10
for G 1/4		AD 13
for G 3/8		AD 17
for G 1/2		AD 21
for G 3/4		AD 26
for G 1		AD 33

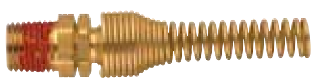
⚠ Please consider our security advices on the pages 12/13 ⚠

Female Stud Fitting — RECTUS Components



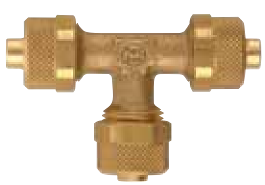
Connection	Hex mm	Length mm	Version	Part Number
G 1/8, 4 x 6 mm	14	23	Brass	MV 10/06
G 1/4, 4 x 6 mm	17	25	Brass	MV 13/06
G 1/4, 6 x 8 mm	17	25	Brass	MV 13/08
G 1/4, 8 x 10 mm	17	29	Brass	MV 13/10
G 3/8, 6 x 8 mm	19	25	Brass	MV 17/08
G 3/8, 8 x 10 mm	19	29	Brass	MV 17/10

Swivelling Spring Guard — RECTUS Components



Connection	Hex mm	Length mm	Version	Part Number
R 1/8, 3,1 x 4,7 mm	11		Brass	DV 10/05
R 1/4, 4,8 x 6,3 mm	14		Brass	DV 13/06
R 1/4, 6,3 x 7,9 mm	14		Brass	DV 13/08
R 1/4, 7,9 x 9,5 mm	15		Brass	DV 13/10
R 3/8, 9,5 x 11,8 mm	19		Brass	DV 17/12
R 1/2, 12,7 x 15,8 mm	22		Brass	DV 21/16

Equal Ended Tee — RECTUS Components



Connection	Hex mm	Length mm	Version	Part Number
4 x 6 mm			Brass	TSK 06
6 x 8 mm			Brass	TSK 08
8 x 10 mm			Brass	TSK 10

Equal Ended Cross — RECTUS Components

Connection	Hex mm	Length mm	Version	Part Number
4 x 6 mm			Brass	KS 06
6 x 8 mm			Brass	KS 08
8 x 10 mm			Brass	KS 10

Equal Ended Cross — RECTUS Components

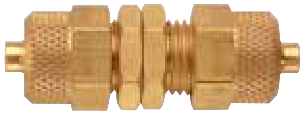
Connection	Hex mm	Length mm	Version	Part Number
G 1/8	19		AISI 316	VB 10 E
G 1/4	19		AISI 316	VB 13 E
G 3/8	20		AISI 316	VB 17 E
G 1/2	23		AISI 316	VB 21 E
G 3/4	25		AISI 316	VB 26 E
G 1	29		AISI 316	VB 33 E

Swivelling Single Banjo Fitting — RECTUS Components

Connection	Hex mm	Length mm	Version	Part Number
M 5, 3 x 4 mm	8	18,5	Brass	WV 05/04
M 5, 3 x 5 mm	8	18,5	Brass	WV 05/05
M 5, 4 x 6 mm	8	18,5	Brass	WV 05/06
G 1/8, 4 x 6 mm	14	28	Brass	WV 10/06
G 1/8, 6 x 8 mm	14	28	Brass	WV 10/08
G 1/4, 4 x 6 mm	17	33	Brass	WV 13/06
G 1/4, 6 x 8 mm	17	33	Brass	WV 13/08
G 1/4, 8 x 10 mm	17	33	Brass	WV 13/10

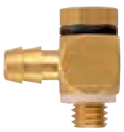
⚠ Please consider our security advices on the pages 12/13 ⚠

Bulkhead Fitting RECTUS Components



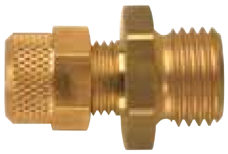
Connection	Hex mm	Length mm	Version	Part Number
3 x 4 mm	11	34	Brass	SC 05/04
3 x 5 mm	11	34	Brass	SC 05/05
4 x 6 mm	12	38	Brass	SC 10/06
6 x 8 mm	17	46	Brass	SC 10/08
8 x 10 mm	19	46	Brass	SC 14/10

Hose Tail Elbow, Swivelling RECTUS Components



Connection	Hex mm	Length mm	Version	Part Number
M 5, f. LW 3 mm	8	18,5	Brass	WT 05/03
M 5, f. LW 4 mm	8	18,5	Brass	WT 05/04

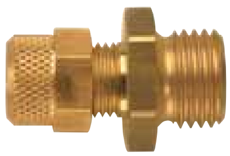
Stud Fitting RECTUS Components



Connection	Hex mm	Length mm	Version	Part Number
M 5, 3 x 4 mm	7	20	Brass	EV 05/04
M 5, 3 x 5 mm	7	20	Brass	EV 05/05
	7	20	AISI 303	EV 05/05 R
	7	20	AISI 316 L	EV 05/05 E
M 5, 4 x 6 mm	8	21	Brass	EV 05/06
	8	21	AISI 303	EV 05/06 R
	8	21	AISI 316 L	EV 05/06 E
G 1/8, 4 x 6 mm	12	25	Brass	EV 10/06
	12	25	AISI 303	EV 10/06 R
	12	25	AISI 316 L	EV 10/06 E
G 1/8, 6 x 8 mm	14	24	Brass	EV 10/08
	14	24	AISI 303	EV 10/08 R
	14	24	AISI 316 L	EV 10/08 E
G 1/4, 4 x 6 mm	17	26	Brass	EV 13/06
	17	26	AISI 303	EV 13/06 R
	17	26	AISI 316 L	EV 13/06 E
G 1/4, 6 x 8 mm	17	26	Brass	EV 13/08
	17	26	AISI 303	EV 13/08 R
	17	26	AISI 316 L	EV 13/08 E

Stud Fitting

RECTUS Components

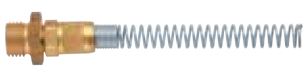


* inner cone 45°

Connection	Hex mm	Length mm	Version	Part Number
G 1/4, 8 x 10 mm	17	31	Brass	EV 13/10
G 1/4, 9 x 12 mm	17	31	Brass	EV 13/12
	17	31	AISI 303	EV 13/12 R
G 3/8, 6 x 8 mm*	19	27	Brass	EV 17/08
G 3/8, 8 x 10 mm*	19	31	Brass	EV 17/10
	19	31	AISI 303	EV 17/10 R
G 3/8, 9 x 12 mm*	19	31	Brass	EV 17/12
	19	31	AISI 303	EV 17/12 R

Fixed Spring Guard

RECTUS Components



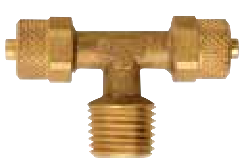
for Nylon hoses

* inner cone 45°

Connection	Hex mm	Length mm	Version	Part Number
M 5, 4 x 6 mm	8	103	Brass	SV 05/06
G 1/8, 4 x 6 mm	12	103	Brass	SV 10/06
G 1/8, 6 x 8 mm	12	106	Brass	SV 10/08
G 1/4, 4 x 6 mm	17	103	Brass	SV 13/06
G 1/4, 6 x 8 mm	17	106	Brass	SV 13/08
G 1/4, 8 x 10 mm	17	119	Brass	SV 13/10
G 1/4, 9 x 12 mm	17	123	Brass	SV 13/12
G 3/8, 6 x 8 mm*	19	106	Brass	SV 17/08
G 3/8, 8 x 10 mm*	19	119	Brass	SV 17/10
G 3/8, 9 x 12 mm*	19	123	Brass	SV 17/12

Male Stud Run Tee

RECTUS Components



Tapered Thread

Connection	Hex mm	Length mm	Version	Part Number
R 1/8, 4 x 6 mm			Brass	TE 10/06
R 1/8, 6 x 8 mm			Brass	TE 10/08
R 1/8, 8 x 10 mm			Brass	TE 10/10
R 1/4, 4 x 6 mm			Brass	TE 13/06
R 1/4, 6 x 8 mm			Brass	TE 13/08
R 1/4, 8 x 10 mm			Brass	TE 13/10

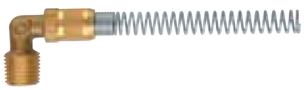
⚠ Please consider our security advices on the pages 12/13 ⚠

Male Stud Elbow — RECTUS Components

Tapered Thread

Connection	Hex mm	Length mm	Version	Part Number
R 1/8, 4 x 6 mm	12		Brass	WE 10/06
R 1/8, 6 x 8 mm	14		Brass	WE 10/08
R 1/8, 8 x 10 mm	16		Brass	WE 10/10
R 1/4, 4 x 6 mm	12		Brass	WE 13/06
R 1/4, 6 x 8 mm	14		Brass	WE 13/08
R 1/4, 8 x 10 mm	16		Brass	WE 13/10

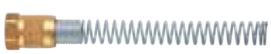
Male Stud Elbow — RECTUS Components



with Spring Guard, Tapered Thread

Connection	Hex mm	Length mm	Version	Part Number
R 1/8, 4 x 6 mm	12	107	Brass	WK 10/06
R 1/8, 6 x 8 mm	14	112	Brass	WK 10/08
R 1/8, 8 x 10 mm	17	125	Brass	WK 10/10
R 1/4, 4 x 6 mm	12	109	Brass	WK 13/06
R 1/4, 6 x 8 mm	14	114	Brass	WK 13/08
R 1/4, 8 x 10 mm	17	127	Brass	WK 13/10

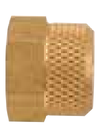
Spring Guard — RECTUS Components



completely with Tube Nut

Connection	Hex mm	Length mm	Version	Part Number
(M 10 x 1) 4 x 6 mm	12	94	Brass	KN 06
(M 12 x 1) 6 x 8 mm	14	97	Brass	KN 08
(M 16 x 1) 8 x 10 mm	17	110	Brass	KN 10
(M 16 x 1) 9 x 12 mm	17	114	Brass	KN 12

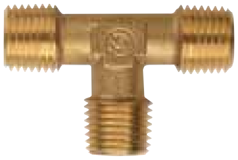
Tube Nut — RECTUS Components



for Plastic Hoses

Connection	Hex mm	Length mm	Version	Part Number
(M 7 x 0,5) 3 x 4 mm	–	8,5	Brass	SM 04
(M 7 x 0,5) 3 x 5 mm	–	8,5	Brass	SM 05
(M 10 x 1) 4 x 6 mm	12	11	Brass	SM 06
(M 12 x 1) 6 x 8 mm	14	11	Brass	SM 08
(M 14 x 1) 8 x 10 mm	17	12,5	Brass	SM 10 S
(M 16 x 1) 8 x 10 mm	17	12,5	Brass	SM 10
(M 16 x 1) 9 x 12 mm	17	12,5	Brass	SM 12

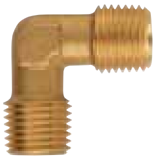
Female Tee — RECTUS Components



* without Inner Cone
** with Inner Cone

Connection	Hex mm	Length mm	Version	Part Number
R 1/8 o.	10	37	Brass	TA 10*
R 1/4 o.	13	47	Brass	TA 13*
R 3/8 o.	17	52	Brass	TA 17*
R 1/2 o.	19	60	Brass	TA 21**

Male Elbow — RECTUS Components



* without Inner Cone
** with Inner Cone

Connection	Hex mm	Length mm	Version	Part Number
R 1/8 o.	10	23	Brass	WA 10*
R 1/4 o.	13	30	Brass	WA 13*
R 3/8 o.	17	33,5	Brass	WA 17*
R 1/2 o.	19	39	Brass	WA 21**

Female Tee — RECTUS Components

Connection	Hex mm	Length mm	Version	Part Number
G 1/8		34	Brass	TI 10
		28	AISI 316	TI 10 E
G 1/4		38,5	Brass	TI 13
		35	AISI 316	TI 13 E
G 3/8		44	Brass	TI 17
		43	AISI 316	TI 17 E
G 1/2		44	Brass	TI 21
		49	AISI 316	TI 21 E
G 3/4		50	Brass	TI 26
		59	AISI 316	TI 26 E
G 1		64,5	Brass	TI 33

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

Female Elbow — RECTUS Components

Female Thread

Connection	Hex mm	Length mm	Version	Part Number
G 1/8		25	Brass	WI 10
		22	AISI 316	WI 10 E
G 1/4		29	Brass	WI 13
		27	AISI 316	WI 13 E
G 3/8		35	Brass	WI 17
		32	AISI 316	WI 17 E
G 1/2		40	Brass	WI 21
		40	AISI 316	WI 21 E
G 3/4		47	Brass	WI 26
		48	AISI 316	WI 26 E
G 1		55	Brass	WI 33

Male-/Female Elbow — RECTUS Components

Female Thread
Male Thread

Connection	Hex mm	Length mm	Version	Part Number
G 1/8		26	AISI 316	WAI 10 E
G 1/4		28	AISI 316	WAI 13 E
G 3/8		32	AISI 316	WAI 17 E
G 1/2		37	AISI 316	WAI 21 E
G 3/4		43	AISI 316	WAI 26 E

Female Y — RECTUS Components

2x Female Thread
1x Male Thread con.

Connection	Hex mm	Length mm	Version	Part Number
R 1/8 o./G 1/8 i.	13		Brass	YA 10
R 1/4 o./G 1/4 i.	17		Brass	YA 13
R 3/8 o./G 3/8 i.	20		Brass	YA 17
R 1/2 o./G 1/2 i.	25		Brass	YA 21

Female Y

RECTUS Components

	Connection	Hex mm	Length mm	Version	Part Number
 3x Female Thread	G 1/8	13		Brass	YI 10
	G 1/4	17		Brass	YI 13
	G 3/8	20		Brass	YI 17
	G 1/2	25		Brass	YI 21

2 Way Manifold

RECTUS Components

	Connection	Hex mm	Length mm	Version	Part Number
	G 3/8 i.		47	Brass	ZO 17
	G 1/2 i.		55	Brass	ZO 21

3 Way Manifold

RECTUS Components

	Connection	Hex mm	Length mm	Version	Part Number
	G 3/8 i.		61	Brass	DO 17
	G 1/2 i.		67	Brass	DO 21

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

2 Way Manifold Assembly — RECTUS Components

with Couplings
26 Series

Conenction	Hex mm	Length mm	Version	Part Number
G 1/4 o.			Brass	ZM 13 A
G 3/8 o.			Brass	ZM 17 A
G 1/2 o.			Brass	ZM 21 A
G 1/4 i.			Brass	ZM 13 I
G 3/8 i.			Brass	ZM 17 I
G 1/2 i.			Brass	ZM 21 I

3 Way Manifold Assembly — RECTUS Components

with Couplings
26 Series

Connection	Hex mm	Length mm	Version	Part Number
G 1/4 o.			Brass	DM 13 A
G 3/8 o.			Brass	DM 17 A
G 1/2 o.			Brass	DM 21 A
G 1/4 i.			Brass	DM 13 I
G 3/8 i.			Brass	DM 17 I
G 1/2 i.			Brass	DM 21 I

Manifold Assembly — RECTUS Components

Connection	Hex mm	Length mm	Version	Part Number
G 3/8 i.			Brass	WD 17-26
G 1/2 i.			Brass	WD 21-26

Manifold — RECTUS Components

Connection	Hex mm	Length mm	Version	Part Number
G 3/8 i.			Aluminium, elox.	WD 17
G 1/2 i.			Aluminium, elox.	WD 21

Pressure Reducing Valve — RECTUS Components

Connection	Hex mm	Length mm	Version	Max. Supply Pressure	Const. Supply Pressure	Part Number
G 1/4 i x R 1/4 o.	17	34	Brass	15 bar	3,0 bar	DRV 13/30
G 1/4 i x R 1/4 o.	17	34	Brass	15 bar	4,0 bar	DRV 13/40
G 1/4 i x R 1/4 o.	17	34	Brass	15 bar	5,0 bar	DRV 13/50
G 1/4 i x R 1/4 o.	17	34	Brass	15 bar	6,0 bar	DRV 13/60

Swivel Joint — RECTUS Components

Connection	Hex mm	Length mm	Version	Part Number
G 1/4 i x G 1/4 o.	17	52	Steel, Nickel Plated	FA 13A 13I SPN
G 3/8 i x G 3/8 o.	21	58	Steel, Nickel Plated	FA 17A 17I SPN

Dust Caps for Couplings and Plugs — RECTUS Components

Material	Flame Re-sistance	Tempera-ture Range	Color	Part Number
Thermo Flex	UL-VO	-25 up to 120°C	Blue	SK12S
Euro Flex	UL-VO	-25 up to 120°C	Red	SK16S
Thermo Flex	UL-VO	-25 up to 120°C	Blue	SK23S
Thermo Flex	UL-VO	-25 up to 120°C	Blue	SK27S

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

RECTUS Accessories – Blow-Guns

Blow-Gun Technology

Short nozzle
Directed air jet. Ideal for blowing out blind holes and workpieces.

Safety nozzle
With center bore and lateral annular gap. In blowing operation, a protective shield is formed against rebounding shavings. The noise level is also significantly reduced. When the center bore is held closed, the air escapes through the annular gap.

Extension pipe
Made of aluminium, therefore rustproof. For blowing out deep holes and in inaccessible locations.

Protective shield
Is mounted behind the nozzle being used. Prevents shavings from rebounding.

Venturi nozzle
Saves energy, since 2/3 of the surrounding air is sucked in thanks to the Venturi principle. Wide blow-out effect thanks to the large nozzle effect. When the nozzle hole is held closed, the air escapes through the lateral holes.

Nozzle with sintered metal insert
Low noise level (63-73 dB (A)) yet with exceedingly good blow-out performance (up to 380 l/min).

AJ 13-Set — RECTUS Blow-Guns

Connection	Extension Tube	Part Number
G 1/4 i.	6 mm bent	AJ 13/06 SET
G 1/4 i.	8 mm bent	AJ 13/08 SET
including 10 Blow-Guns AJ 13		

AK 13-Set — RECTUS Blow-Guns

Connection		Part Number
G 1/4 i.		AK 13 SET
including 10 Blow-Guns AK 13		

Blow-Gun — RECTUS Blow-Guns

made of aluminium, with standard nozzle

Connection	Part Number
G 1/4 i.	AA 13
6 mm	AA 06 TF
9 mm	AA 09 TF
Plug 21 Series	AA 21 SF
Plug 26 Series	AA 26 SF

Blow-Gun — RECTUS Blow-Guns

made of aluminium, with safety nozzle

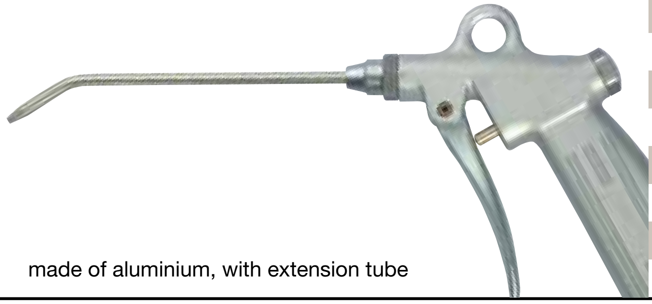
Connection	Part Number
G 1/4 i.	AS 13
6 mm	AS 06 TF
9 mm	AS 09 TF
Plug 21 Series	AS 21 SF
Plug 26 Series	AS 26 SF

Blow-Gun — RECTUS Blow-Guns

made of aluminium, with sintered metal insert

Connection	Part Number
G 1/4 i.	AR 13

Blow-Gun — RECTUS Blow-Guns

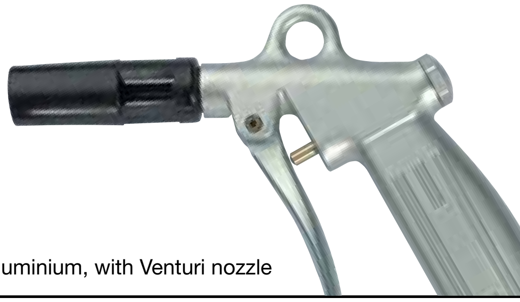


made of aluminium, with extension tube

Connection	Part Number
G 1/4 i.	AV 13
6 mm	AV 06 TF
9 mm	AV 09 TF
Plug 21 Series	AV 21 SF
Plug 26 Series	AV 26 SF

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

Blow-Gun — RECTUS Blow-Guns



made of aluminium, with Venturi nozzle

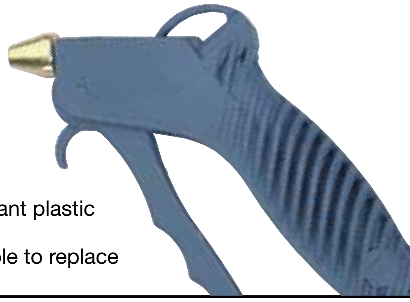
Connection	Part Number
G 1/4 i.	AT 13
6 mm	AT 06 TF
9 mm	AT 09 TF
Plug 21 Series	AT 21 SF
Plug 26 Series	AT 26 SF

Blow-Gun — RECTUS Blow-Guns

made of aluminium, lever operated with safety nozzle

Connection	Part Number
1/4 i. NPSF	ASG-1

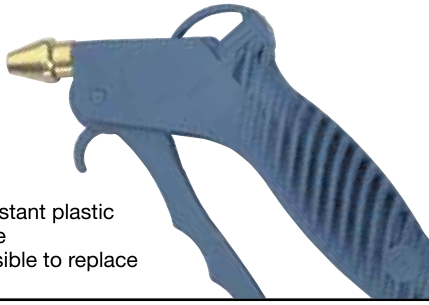
Blow-Gun — RECTUS Blow-Guns



made of impact resistant plastic with standard nozzle fixed nozzle, impossible to replace

Connection	Part Number
G 1/4 i.	AN 13
6 mm	AN 06 TF
9 mm	AN 09 TF
Plug 21 Series	AN 21 SF
Plug 26 Series	AN 26 SF

Blow-Gun — RECTUS Blow-Guns



made of impact resistant plastic with standard nozzle fixed nozzle, impossible to replace

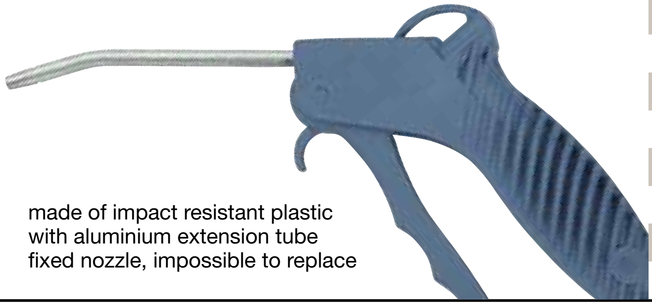
Connection	Part Number
G 1/4 i.	AL 13
6 mm	AL 06 TF
9 mm	AL 09 TF
Plug 21 Series	AL 21 SF
Plug 26 Series	AL 26 SF

Blow-Gun
RECTUS Blow-Guns

made of impact resistant plastic
with sintered metal insert

Connection	Part Number
G 1/4 i.	AF 13

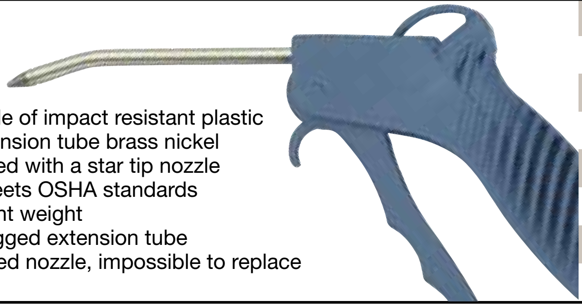
Blow-Gun
RECTUS Blow-Guns



made of impact resistant plastic
with aluminium extension tube
fixed nozzle, impossible to replace

Connection	Part Number
G 1/4 i.	AK 13
6 mm	AK 06 TF
9 mm	AK 09 TF
Plug 21 Series	AK 21 SF
Plug 26 Series	AK 26 SF

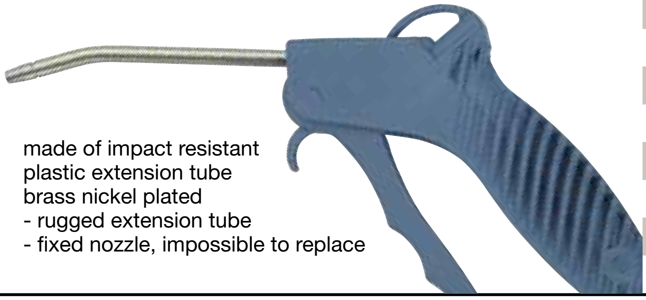
Blow-Gun
RECTUS Blow-Guns



made of impact resistant plastic
extension tube brass nickel
plated with a star tip nozzle
- meets OSHA standards
- light weight
- rugged extension tube
- fixed nozzle, impossible to replace

Connection	Part Number
G 1/4 i.	AZ 13
Plug 26 Series	AZ 26 SF

Blow-Gun
RECTUS Blow-Guns

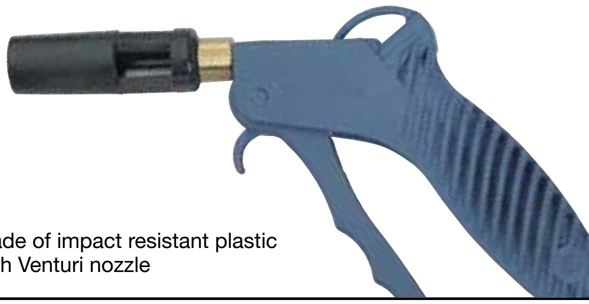


made of impact resistant
plastic extension tube
brass nickel plated
- rugged extension tube
- fixed nozzle, impossible to replace

Connection	Part Number
G 1/4 i.	AC 13
6 mm	AC 06 TF
9 mm	AC 09 TF
Plug 21 Series	AC 21 SF
Plug 26 Series	AC 26 SF

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

Blow-Gun — RECTUS Blow-Guns



made of impact resistant plastic
with Venturi nozzle

Connection	Part Number
G 1/4 i.	AX 13

Blow-Gun — RECTUS Blow-Guns

made of impact resistant plastic
with R 1/8” i.
without nozzle

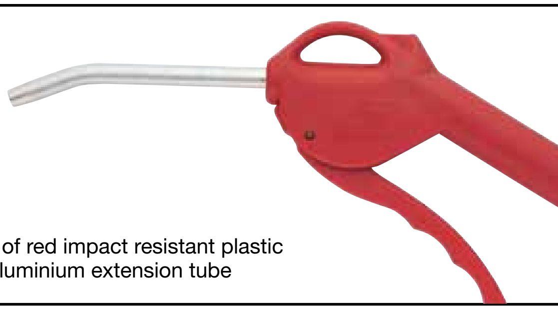
Connection	Part Number
G 1/4 i.	AI 13

Blow-Gun — RECTUS Blow-Guns

made of impact resistant plastic
with M 12 x 1,25 IG
without nozzle

Connection	Part Number
G 1/4 i.	AM 13

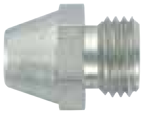
Blow-Gun — RECTUS Blow-Guns



made of red impact resistant plastic
with aluminium extension tube

Connection	Extension tube	Part Number
G 1/4 i.	6 mm bent	AJ 13/06 B
G 1/4 i.	8 mm straight	AJ 13/08
G 1/4 i.	8 mm bent	AJ 13/08 B
G 1/4 i.	8 x 300 mm straight	AJ 13-300
G 1/4 i.	8 x 500 mm straight	AJ 13-500
G 1/4 i.	8 x 1000 mm straight	AJ 13-1000

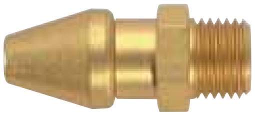
Standard Nozzle — RECTUS Blow-Guns



for blow-gun made of aluminium

Connection	Part Number
M 12 x 1,25	KD 12

Safety Nozzle — RECTUS Blow-Guns



for blow-gun made of aluminium

With center bore and lateral annular gap. In blowing operation a protection shield against kicking chips is formed, and noise level is clearly reduced. When the center bore is held locked, air escapes through the annular gap.

Connection	Part Number
M 12 x 1,25	SD 12

Extension Tube, 150 mm long — RECTUS Blow-Guns

for blow-gun made of aluminium

For blowing-out deep holes and blind spots.

Connection	Part Number
M 12 x 1,25	VR 12

Venturi-Nozzle — RECTUS Blow-Guns

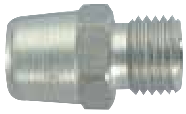
Energy saving as 2/3 of environmental air is aspirated due to the Venturi principle. Wide blow-out effect due to high nozzle performance. When the center bore is held locked, air escapes through the lateral holes.

Connection	Part Number
M 12 x 1,25	AT 12

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

Nozzle with sintered metal insert

RECTUS Blow-Guns



Low noise level (63-73 dB(A)),
thus extremely good blowing effectivity (up to 380 l/min.)

Connection	Part Number
M 12 x 1,25	AR 12

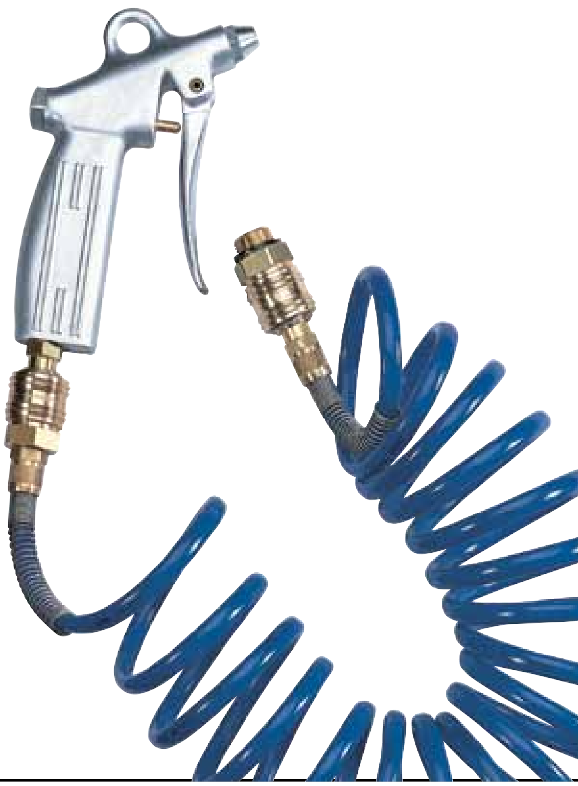
Protective Shield

RECTUS Blow-Guns

Connection	Part Number
	ST 12

Blow-Gun Set

RECTUS Blow-Guns



	Part Number
with Blow-Gun made of aluminium	SE 26 A
with Blow-Gun made of impact	SE 26 K
resistant thermoplastic	

including
- Blow-Gun
- Hose 6 x 8 mm, length 2,5 m
- Couplings and plugs Series 26 (DN 7,2)

For the true heroes of today.

The high quality blow guns from Rectus are used in trade and industry, in the widest range of different areas. With the broad variety of different types, you will find a suitable variant for every conceivable application.

Parker

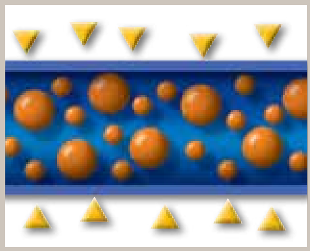
RECTUS TEMA

Nycoil

Hoses and tubing range

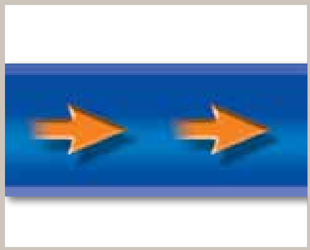
Always ideally connected.

Media
All liquid or gaseous media which flow through the hose or influence it from outside must be taken into account when choosing the hose. Chemicals can have detrimental effects (swelling, stress-cracking, etc.) on the hose materials. A prior test is therefore important. Your technical advisor will be happy to help you. For non-standard requirements, we advise you to test the hoses under operating conditions. In this way you can ensure that there are no adverse effects on the hose strength arising from extreme temperatures or chemical mixtures and the concentration thereof.

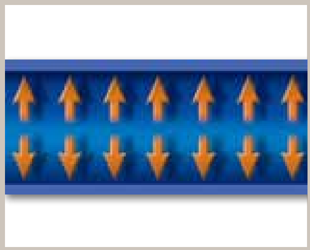


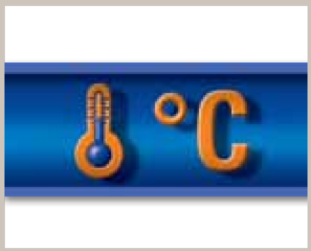
Flexibility
All thermoplastic materials are flexible up to a certain degree. Depending on the type, our hoses can therefore be used for a wide range of tasks. Ultraflexible hoses are suitable for applications with small bend radii and a high degree of movement. For example, relatively rigid or stronger tubing is the better choice for static applications with little movement but higher working pressures are required.

Flow
The flow quantity required by the attached consumer is an important criterion for hose selection. The appropriate choice of hose cross-section for the medium and flow volume is dependent on this.
As a rule of thumb: the flow rate of the hose must always be greater than the flow rate of all consumers in the circuit.



Working Pressure
From the established bursting pressure at room temperature (20°C), integration of a working pressure safety factor can be calculated. For the max. working pressure, all criteria affecting the hose when in use must be observed. The most important criteria include overload through bending and stretching, and hose fatigue caused by use, as well as maintenance of extruder tolerances and production variables. Nycoil works with the highest grade polymer materials and to the latest production standards. In order to guarantee the high standard of quality, all relevant parameters and hose characteristics are checked both during and after the production process.





Working temperature

The working temperature, i.e. the temperature range in which the hose is used, is also a major factor in hose selection. A point to note is that the burst pressure – and therefore also the safe working pressure – falls significantly as temperatures rise.

Space-Saving Storage

Our straight hoses are rolled, packed on cardboard holders, and delivered in boxes – for space-saving storage and quick materials access.

Our hose qualities at a glance.

RECTULASTIC Nylon 12 (Polyamid)

Straight hoses or coiled hoses; multicolored dual and quadruple; unprecedented return force; small twists and therefore requires minimum space; light weight; resistant to organic and inorganic materials.

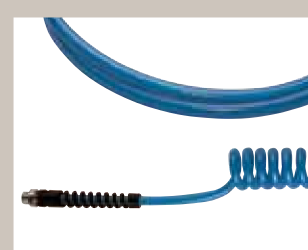
RECTUFLEX Polyurethan

Straight hoses or coiled hoses; multicolored dual and quadruple; extremely flexible; resistant to buckling; no change in cross-section; max. working length equal to 80% of stretch length; coiled hoses are supplied with swivel fittings and buckling protection on both ends.

SUPERBRAID®

Polyurethane Inner Braided Hose

Straight hoses or coiled hoses; as flexible as the conventional PU hose – from -40°C to +75°C – even with fabric inlay; extremely small twist diameter; coiled hoses are supplied with pre-assembled swivel fittings and buckling protection.



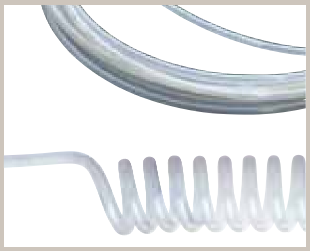
ULTRA-LITE SUPERBRAID®

Polyurethane Inner Braided Hose

Straight hoses; fittings for easy self-assembly; much lighter than the SUPERBRAID® hose and therefore even more flexible and easy to use; highly resistant to temperature (-40°C to +75°C); extremely small twist diameter.


RECTUSPARK® Polyurethane on Polyester Basis, with Protection against Welding Sparks
Straight hoses or coiled hoses; the non-flammable coating provides the hose with reliable protection against welding sparks; extremely flexible, pliable and resistant to buckling and ideally suited to harsh industrial applications.

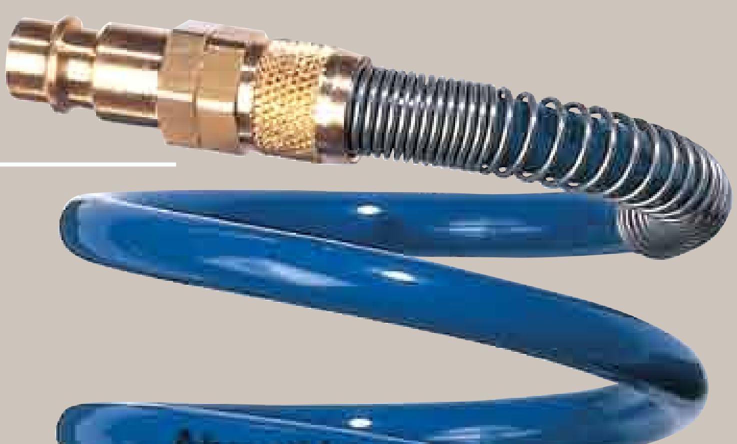

RECTUSOFT Highly Flexible PVC, with Polyester Fibre Reinforcement (TÜV-tested)
Straight hoses or coiled hoses; extremely flexible, even at ultra-low temperatures; highly resistant to tears and pressure; light weight and easy operation makes this hose ideal for operating compressed air tools.

RECTUCHEM® PVDF
Straight hoses or coiled hoses; the perfect solution for chemical technology, especially clean applications; structurally resistant to many chemicals and therefore useful in a broad range of applications.

Fittings

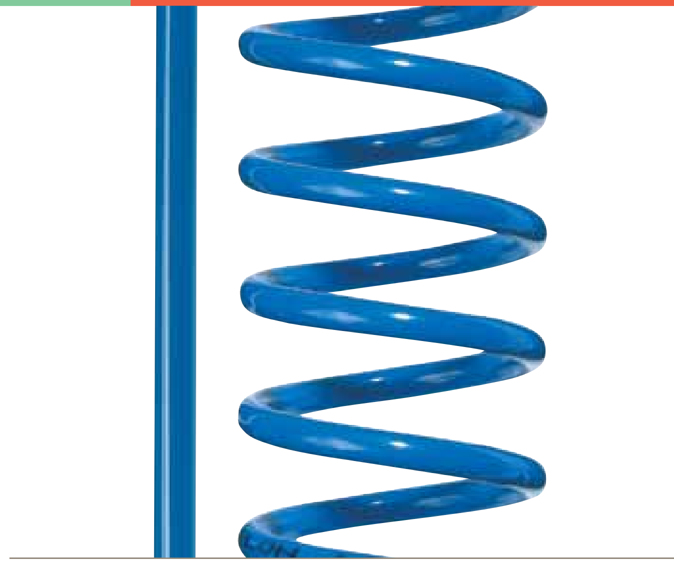
Many hoses are available completely assembled with different fittings.
Please check article description.



Straight and Coiled

Nylon 12 Straight and Coiled Hoses

RECTULASTIC



Technical Description
RECTULASTIC hoses from Nycoil for safer, more efficient air power transmission.

Special Physical Features
- Light weight (specific weight 9x lower as copper)
- Wide temperature range
- High resistance against moisture
- Saltwater insensitive
- Long service time
- Highly elasticity

Mechanical Features
- High vibration prevention
- Perfect abrasion resistance
- High compression characteristics
- Low flow reduction for all kind of media
- Precise tolerances
- Constant solidity
- Resists kinking

Applications
- Compressed air
- lubrication grease/oil
- gasoline
- hydraulic
- vacuum
- chemicals (on request)

Advantages
- Quick assembly possible
- Straight hoses ideal for Push-In-System
- Light weight
- Low pressure drop
- Different colors for identification
- Good storage possibility due to box packing (straight hoses)
- High abrasion resistance
- Self-retracting. Coiled Hose automatically recoils to a fraction of its working length
- Small bending diameter
- Resistant to oil, gasoline, grease and abrasion

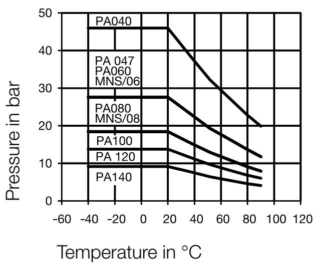
Technical Data
Temperature range:
-40°C up to +90°C
Maximum operating pressure:
see chart

Tubing assembled:
-20°C up to +70°C

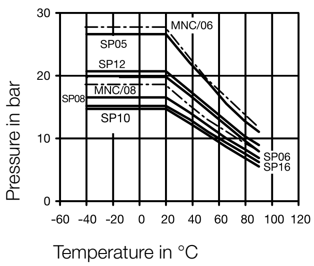
All technical data refers to air applications. We will gladly assistant you for other media

Relation Working Pressure / Temperature
(only for hoses, not for the fittings!)

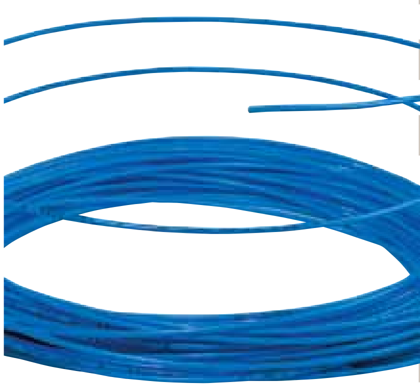
Straight



Coiled



Straight — Nycoil RECTULASTIC



Hoses in black or transparent available on request.

Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Part Number Blue	Part Number Red
2,0 x 4,0		25 m	PA040/025/03	PA040/025/02
		50 m	PA040/050/03	PA040/050/02
		100 m	PA040/100/03	PA040/100/02
2,7 x 4,0		25 m	PA047/025/03	PA047/025/02
		50 m	PA047/050/03	PA047/050/02
		100 m	PA047/100/03	PA047/100/02
4,0 x 6,0		25 m	PA060/025/03	PA060/025/02
		50 m	PA060/050/03	PA060/050/02
		100 m	PA060/100/03	PA060/100/02
6,0 x 8,0		25 m	PA080/025/03	PA080/025/02
		50 m	PA080/050/03	PA080/050/02
		100 m	PA080/100/03	PA080/100/02
8,0 x 10,0		25 m	PA100/025/03	PA100/025/02
9,5 x 12,0		25 m	PA120/025/03	PA120/025/02
12,0 x 14,0		25 m	PA140/025/03	PA140/025/02

Coiled without Fittings — Nycoil RECTULASTIC

Inside x Outside Ø mm	Coil Outside Diameter mm	Max. Working Length	Approx. Coils	Part Number
3,1 x 4,7	38	2,5 m	36	SP 05/025
		5,0 m	72	SP 05/050
		7,5 m	108	SP 05/075
		10,0 m	144	SP 05/100
4,8 x 6,3	75	2,5 m	15	SP 06/025
		5,0 m	30	SP 06/050
		7,5 m	45	SP 06/075
		10,0 m	60	SP 06/100
		15,0 m	90	SP 06/150
		22,5 m	140	SP 06/225
6,3 x 7,9	75	2,5 m	15	SP 08/025
		5,0 m	30	SP 08/050
		7,5 m	45	SP 08/075
		10,0 m	60	SP 08/100
		15,0 m	90	SP 08/150
		22,5 m	135	SP 08/225
7,9 x 9,5	115	2,5 m	10	SP 10/025
		5,0 m	20	SP 10/050
		7,5 m	30	SP 10/075
		10,0 m	40	SP 10/100
		15,0 m	60	SP 10/150
		22,5 m	90	SP 10/225
9,5 x 11,8	140	2,5 m	8	SP 12/025
		5,0 m	15	SP 12/050
		7,5 m	23	SP 12/075
		10,0 m	31	SP 12/100
		15,0 m	46	SP 12/150
		22,5 m	70	SP 12/225
12,7 x 15,8	220	5,0 m	10	SP 16/050
		7,5 m	15	SP 16/075
		10,0 m	20	SP 16/100
		15,0 m	30	SP 16/150
		22,5 m	56	SP 16/225

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

Completely assembled with Swivel Fittings — Nycoil RECTULASTIC

with swivel fittings
and spring guards (Type DV)

Inside x Outside Ø mm	Coil Outside Diameter mm	Max. Working Length	Approx. Coils	Part Number
3,1 x 4,7 R1/8	38	2,5 m	36	SP 05/025/DV
		5,0 m	72	SP 05/050/DV
		7,5 m	108	SP 05/075/DV
		10,0 m	144	SP 05/100/DV
4,8 x 6,3 R1/4	75	2,5 m	15	SP 06/025/DV
		5,0 m	30	SP 06/050/DV
		7,5 m	45	SP 06/075/DV
		10,0 m	60	SP 06/100/DV
		15,0 m	90	SP 06/150/DV
		22,5 m	140	SP 06/225/DV
6,3 x 7,9 R1/4	75	2,5 m	15	SP 08/025/DV
		5,0 m	30	SP 08/050/DV
		7,5 m	45	SP 08/075/DV
		10,0 m	60	SP 08/100/DV
		15,0 m	90	SP 08/150/DV
		22,5 m	135	SP 08/225/DV
7,9 x 9,5 R 1/4	115	2,5 m	10	SP 10/025/DV
		5,0 m	20	SP 10/050/DV
		7,5 m	30	SP 10/075/DV
		10,0 m	40	SP 10/100/DV
		15,0 m	60	SP 10/150/DV
		22,5 m	90	SP 10/225/DV
9,5 x 11,8 R3/8	140	2,5 m	8	SP 12/025/DV
		5,0 m	15	SP 12/050/DV
		7,5 m	23	SP 12/075/DV
		10,0 m	31	SP 12/100/DV
		15,0 m	46	SP 12/150/DV
		22,5 m	70	SP 12/225/DV
12,7 x 15,8 R1/2	220	5,0 m	10	SP 16/050/DV
		7,5 m	15	SP 16/075/DV
		10,0 m	20	SP 16/100/DV
		15,0 m	30	SP 16/150/DV
		22,5 m	47	SP 16/225/DV

Completely assembled with Coupling and Plug — Nycoil RECTULASTIC

with 26 series
coupling and plug
with spring guards

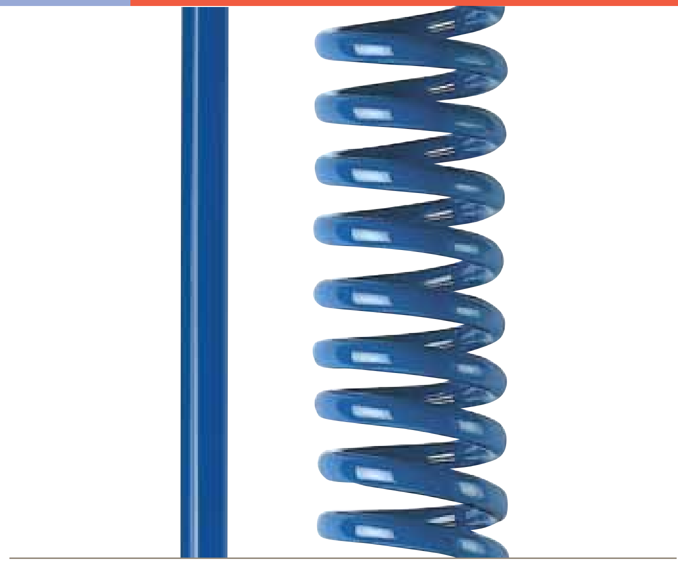
Inside x Outside Ø mm	Coil Outside Diameter mm	Max. Working Length	Approx. Coils	Part Number
6,3 x 7,9	75	2,5 m	15	SP 08/025/K+S
		5,0 m	30	SP 08/050/K+S
		7,5 m	45	SP 08/075/K+S
		10,0 m	60	SP 08/100/K+S
		15,0 m	90	SP 08/150/K+S
		22,5 m	135	SP 08/225/K+S
7,9 x 9,5	115	2,5 m	10	SP 10/025/K+S
		5,0 m	20	SP 10/050/K+S
		7,5 m	30	SP 10/075/K+S
		10,0 m	40	SP 10/100/K+S
		15,0 m	60	SP 10/150/K+S
		22,5 m	90	SP 10/225/K+S
9,5 x 11,8	140	2,5 m	8	SP 12/025/K+S
		5,0 m	15	SP 12/050/K+S
		7,5 m	23	SP 12/075/K+S
		10,0 m	31	SP 12/100/K+S
		15,0 m	46	SP 12/150/K+S
		22,5 m	70	SP 12/225/K+S

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

Straight and Coiled

Polyurethane Straight and Coiled Hoses

RECTUFLEX



Technical Description
Nycoil polyurethane hose was developed to eliminate the two most common limitations of nylon self-storing hoses, kinking and abrasion resistance.
This lightweight, yet extremely durable hose is ideal for use in tough work areas or highly mobile applications.

Special Physical Features
- Light weight (specific weight 9x lower as copper)
- Wide temperature range
- High resistance against moisture
- Saltwater insensitive
- Long service

Mechanical Features
- High vibration prevention
- Perfect abrasion resistance
- High compression characteristics
- Low flow reduction for all kind of media
- Constant solidity

Applications
- Compressed Air
- Lubrication grease/oil
- Gasoline
- Hydraulics
- Vacuum
- Chemicals (on request)
- Food and beverage (on request)

Advantages
- Quick assembly possible
- Light weight
- Low pressure drop
- Different colors for identification
- Good storage possibility due to box packing (straight hoses)
- High abrasion resistance
- Very small bending radius and tight coil diameter economizes on work and storage space
- Working length is 80% of total hose length
- 25 % lighter than rubber
- Specially developed swivel fittings offer lowest possible air flow restrictions
- Superior elasticity and coil memory

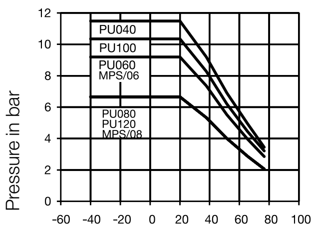
Technical Data
Temperature range:
-40°C up to +75°C
Assembled: -20°C up to +70°C

Maximum operating pressure:
see chart
Durometer 95 shore A

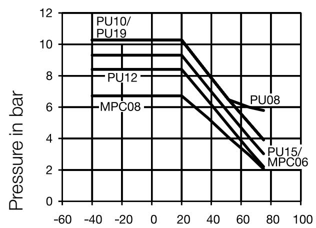
All technical data refers to air applications. We will gladly assistant you for other media.

Relation Working Pressure / Temperature
(only for hoses, not for the fittings!)

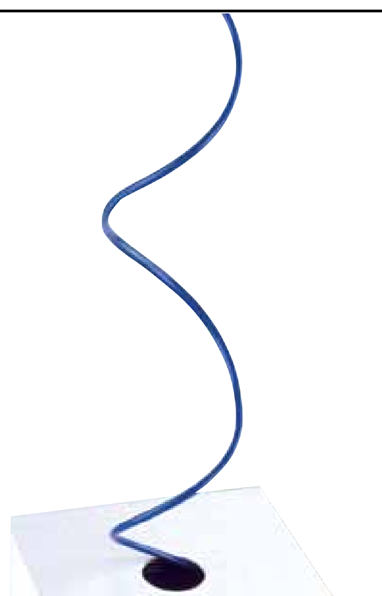
Straight



Coiled



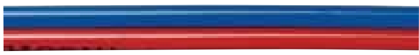
Straight — Nycoil RECTUFLEX



Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Part Number Blue*	Part Number Red*
2,5 x 4,0		25 m	PU040/025/03	PU040/025/02
		50 m	PU040/050/03	PU040/050/02
		100 m	PU040/100/03	PU040/100/02
4,0 x 6,0		25 m	PU060/025/03	PU060/025/02
		50 m	PU060/050/03	PU060/050/02
		100 m	PU060/100/03	PU060/100/02
6,0 x 8,0		25 m	PU080/025/03	PU080/025/02
		50 m	PU080/050/03	PU080/050/02
		100 m	PU080/100/03	PU080/100/02
6,5 x 10,0		25 m	PU100/025/03	PU100/025/02
9,0 x 12,0		25 m	PU120/025/03	PU120/025/02

*Hoses in black or transparent available on request.

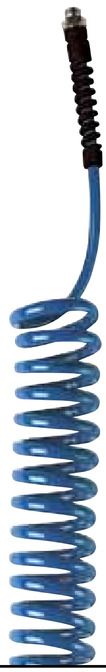
Multicolor straight — Nycoil RECTUFLEX



Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Part Number 2-color	Part-Number 4-color
4,0 x 6,0		25 m	MPS02/06/025	MPS04/06/025
6,0 x 8,0		25 m	MPS02/08/025	MPS04/08/025

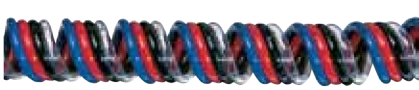
Completely assembled — Nycoil RECTUFLEX

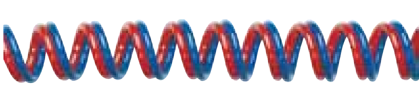
with straight extensions
508 mm and 127mm



Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Connection	Part Number
5,0 x 8,0	40	2,0 m	G 1/4	PU08/020/DV
		3,0 m		PU08/030/DV
		4,0 m		PU08/040/DV
		6,0 m		PU08/060/DV
		7,5 m		PU08/075/DV
6,3 x 9,5	60	2,0 m	G 1/4	PU10/020/DV
		3,0 m		PU10/030/DV
		4,0 m		PU10/040/DV
		6,0 m		PU10/060/DV
		7,5 m		PU10/075/DV
8,0 x 12,0	80	3,0 m	G 3/8	PU12/030/DV
		4,0 m		PU12/040/DV
		6,0 m		PU12/060/DV
		7,5 m		PU12/075/DV
9,5 x 15,0	110	3,0 m	G 3/8	PU15/030/DV
		4,0 m		PU15/040/DV
		6,0 m		PU15/060/DV
		7,5 m		PU15/075/DV
12,0 x 19,0	110	6,0 m	R 1/2	PU19/060/DV
		7,5 m		PU19/075/DV

Multicolor coiled — Nycoil RECTUFLEX





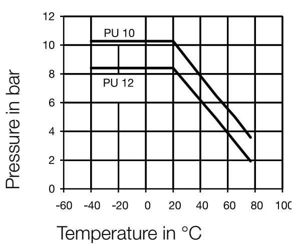
Inside x Outside Ø mm	Coil Outside Diameter mm	Working length	Part Number 2-color	Part-Number 4-color
4,0 x 6,0	60	2,5 m	MPC02/06/025	MPC04/06/025
		6,0 m	MPC02/06/060	MPC04/06/060
		7,5 m	MPC02/06/075	MPC04/06/075
6,0 x 8,0	60	2,5 m	MPC02/08/025	MPC04/08/025
		6,0 m	MPC02/08/060	MPC04/08/060
		7,5 m	MPC02/08/075	MPC04/08/075

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

Polyurethane Hose with Straight Extension

RECTUFLEX

Relation Working Pressure / Temperature
(only for hoses, not for the fittings!)



Description
The extremely elastic Nycoil polyurethane hose with straight extension (100 mm at the connecting end, coils in various lengths, 2000 mm at the tool connection end) has the same favourable properties as our conventional coiled hoses: high shape recovery, low looping tendency, higher abrasion resistance, outstanding stability with very low empty weight. In addition, the straight extensions guarantee more freedom of movement and easier handling in the hard working process.

Advantages
- Extremely flexible – resists kinking
- Impervious to abrasions, heat and oil
- Specially developed swivel fittings offer lowest possible air flow restrictions
- Specially designed retainer sleeve also provides strain relief
- Superior elasticity and coil memory
- Working length is 80% of total hose length
- Very small bending radius and tight coil diameter economizes on work and storage space
- 25% lighter than rubber – easy handling
- Highly resistant to wear – five times the life of rubber
- Low tension – easy to work with
- Eases user fatigue
- Swivel fittings nickel plated
- Greater freedom of movement and easy handling through straight extensions at both ends
- Easy do-it-yourself assembly of couplings, plugs or fixed screw connections (on request with protective sleeve)

Applications
- Pneumatic control
- Air tools
- Assembly workstations
- Laboratories
- Electronic assemblies
- Robotics
- Machine tools
- Instrumentation
- Automobile Industry

Technical Data
Temperature range:
Hose: -40°C up to +75°C
Assembled: -20°C up to +70°C
Maximum operating pressure: see chart
Durometer 95 shore A
Color: blue

Other colors available on request.

All technical data refers to air applications. We will gladly assist you for other media.

Polyurethane Hose with Straight Extension — Nycoil RECTUFLEX

Inside x Outside Ø mm	Nominal Outside Diameter mm	3 m* Part Number	6 m* Part Number	7,5 m* Part Number
6,3 x 9,5	60	PU 10/230	PU 10/260	PU 10/275
8,0 x 12,0	80	PU 12/230	PU 12/260	PU 12/275

Fittings

	Easy do-it-yourself assembly for coupling and plug 25 Series for PU 10 and PU 12 hoses	Part Number
	coupling and spring guard for PU 10	25KAKU10 SPN
	coupling and spring guard for PU 12	25KAKU12 SPN
	plug and spring guard for PU 10	26SFKU10 MXN
	plug and spring guard for PU 12	26SFKU12 MXN
	fixed screw connection and spring guard for PU 10	SV17/10 AN
	fixed screw connection and spring guard for PU 12	SV17/12 AN
	protective sleeve (black)	T1300-351 BK

* total hose length

Straight extension

The straight hose extensions attached to the coils optimise the handling of the complete hose unit and offer the user more freedom of movement in the working process. It combines the advantages of the straight hose connection on the tool with the high level of elasticity of the coil system.

Bend protection

Couplings and nipples are supplied with plastic bend protection – this provides lasting protection against the hose snapping.

Easy do-it-yourself assembly

Thanks to the highly user-friendly design of the connecting technology, you can assemble the couplings, plugs or fitting connections yourself in no time. You automatically have maximum flexibility and save time and costs.

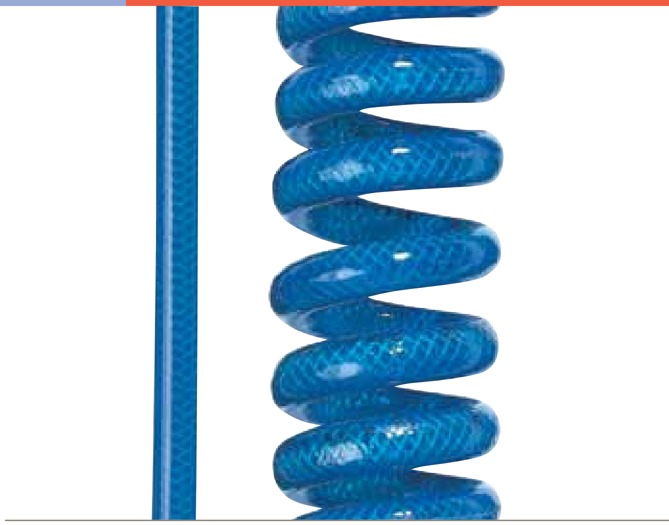
Protective sleeve

After assembly of the connecting material, a protective sleeve (flush with the front side of the coupling) can be pushed on to prevent metal parts from scratching sensitive surfaces.

Straight and Coiled

Polyurethane Inner Braided Hose

SUPERBRAID®



Technical Description

Superbraid polyurethane recoil hose is extruded with an inner braid for additional strength. This „integral piece" process eliminates the need of bonding individual layers of hoses, braiding and cover which tend toseparate overtime due to bending, flexing and pulsating. Superbraid combines the durability of bulkier hoses with the kink resistance and elasticity of polyurethane to make a tough, long lasting hose that is user friendly. Superbraid can be used with either our barb and sleeve fittings or reusable polyurethane fittings.

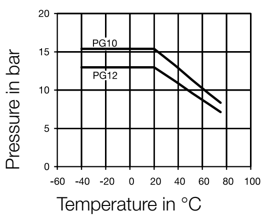
Advantages

- Same flexibility as a polyurethane hose
- Usable at 15 bar (safety factor of 4 to 1)
- Flexible even at -40°C
- Highly kinking resistant; virtually undamaged by twisting or crushing
- Extremely flexible and easy to use; minimizes worker fatigue
- Superior elasticity and coil memory
- Excellent abrasion resistance; 6 to 10 times better than rubber or nylon
- Factory applied thread sealant supplied on male swivel fitting
- Very small bending radius and tight coil diameter economizes on work and storage space
- Both fittings nickel plated

All technical data refers to air applications. We will gladly assist you for other media.

Relation Working Pressure / Temperature

(only for hoses, not for the fittings!)



Technical Data

Temperature range:
-40°C up to +75°C

Maximum operating pressure:
see chart

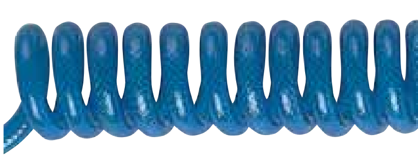
Durometer: 85 shore A

Color: light blue transparent

Straight — Nycoil SUPERBRAID

Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Connection	Part Number
6,3 x 9,5		25 m		PG10/025
7,9 x 11,7		25 m		PG12/025

Coiled — Nycoil SUPERBRAID



Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Connection	Part Number
6,3 x 9,5	42	3,0 m	G 1/4	PG 10/030/DV
		6,0 m		PG 10/060/DV
		7,5 m		PG 10/075/DV
7,9 x 11,7	55	3,0 m	G 3/8	PG 12/030/DV
		6,0 m		PG 12/060/DV
		7,5 m		PG 12/075/DV

assembled with nickel plated swivel fittings on both ends

Polyurethane Inner Braided Hose

ULTRA-LITE SUPERBRAID®

Straight Hoses

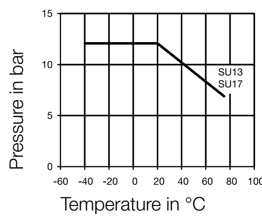
Technical Description
Thanks to the special production techniques, this hose keeps what it promises, even after frequent use and under extreme conditions. Ultra-Lite is made of polyurethane which is rein-forced by a hose braid made of Dacron Polyester. Unlike conventional 3-layer textile hoses where the individual layers are not permanently bonded to each other, our Nycoil Ultra-Lite is specially made. The hose is heated and the different layers, textile and PU, melt to form a permanent bond with each other. Thanks to this process, the Ultra-Lite is extremely flexible and, above all, extremely durable. Its high level of flexibility and low weight make for easy handling. The Ultra-Lite retains it properties down to temperatures as low as -40°C.

Advantages
- Approx. 20% lighter than comparable hoses
- Further weight reduction through production of threaded couplings and hose nuts in light aluminium
- This allows us to reduce the total weight of the hose system, with all advantages of easy hose handling
- Extremely flexible even down to -40°C
- Anti-kink
- Highly temperature-resistant
- Easy do-it-yourself assembly of couplings, plugs or fixed screw connections from various Rectus series (available with protective sleeve on request)

Technical Data
Temperature range:
-40°C up to +75°C
Maximum operating pressure:
see chart
Color: yellow

All technical data refers to air applications. We will gladly assistant you for other media.

Relation Working Pressure / Temperature
(only for hoses, not for the fittings!)



Straight — Nycoil ULTRA-LITE SUPERBRAID

	Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Weight	Part Number
	9,5 x 13,0		25 m	75 g/m	SU13/025/05
	12,7 x 17,4		25 m	127 g/m	SU17/025/05

Fittings for Hose SU13 — Nycoil ULTRA-LITE SUPERBRAID

For matching protective sleeves for the protection of the surfaces please refer to Page 350	Series	Flow at 6 bar (Pressure drop 0.5 bar)	Weight	Part Number
	Coupling 1600 Series	2100 l/min	100 g	1600 KAKU13 SPN
	Coupling 31 Series	1060 l/min	90 g	31 KAKU13 SPN
	Coupling 1400 Series	960 l/min	90 g	1400 KAKU13 SPN
	Plug 26 Series (1600)		50 g	26 SFKU13 MXN
	Plug 31 Series		55 g	31 SFKU13 MXN
	Plug 23 Series (1400)		55 g	23 SFKU13 MXN
	fixed screw connection G 3/8 o.		50 g	SV 17/13 AN
	f. screw con. for hose SU17, G 1/2 o.		60 g	SV 21/17 AN

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

Straight and Coiled

Polyurethane Hose, with Protection Against Welding Sparks

RECTUSPARK®

Technical Description
The blue ether based 95 durometer polyurethane inner tubing is offered in two metric sizes. It is covered with a specially formulated black flame retardant cover which has excellent tear and tensile strength, yet is resistant to oils, greases, acids, bases, aqueous solutions, ozone, UV light and heat aging. This cover has strong insulative properties and meets UL-94-VO specifications.

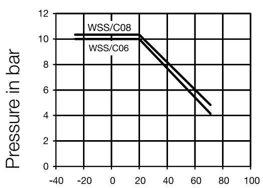
Advantages
Black flame retardant cover protects tubing from incidental contact with welding sparks. The cover does not adhere to the inner tube, allowing the jacket to be easily skived back for connection with conventional compression or push-in fittings.

- Extremely flexible with excellent bend radius capability
- Very resistant to kink damage
- Broad range of chemical resistance
- Good aging resistance for long service life

Technical Data
Temperatue range:
-25°C up to +70°C
Max. working pressure:
8 bar (depending on used temperature)

All technical data refers to air applications. We will gladly assist you for other media.

Relation Working Pressure / Temperature
(only for hoses, not for the fittings!)



Straight — Nycoil RECTUSPARK

Inside x Outside Ø mm	Protective Jacket Ø mm	Coil Outside Diameter mm	Working Length	Part Number
5,0 x 8,0	10		25 m	WSS08/025/01

Coiled — Nycoil RECTUSPARK

Inside x Outside Ø mm	Protective Jacket Ø mm	Coil Outside Diameter mm	Working Length	Part Number
4,0 x 6,0	8	60	6,0 m	WSC06/060/01
			7,5 m	WSC06/075/01

PVC Inner Braided Hose

RECTUSOFT

Technical Description
The new generation of highly flexible Rectus hoses consists of a textile-reinforced, 3-ply PVC hose with a smooth inner tube, polyester thread insert and abrasion-proof outer covering.

Advantages
Low weight, very high flexibility, highly resistant, high resistance to pressure, UV-resistant, long service life, shock and tread-resistant, non-buckling, manufacturer‘s imprint with technical specifications.

Technical Data
Working temperature:
-25°C up to +60°C

Maximum operating pressure:
at +23°C: 15 bar

Bursting pressure:
at +23°C: 63 bar

Color: light blue

Straight — Nycoil RECTUSOFT

Inside x Outside Ø mm	Coil Outside Diameter mm	Package Unit	Part Number
6,3 x 11,0	45	50 m	PVC06/050/03
9,0 x 14,5	63	50 m	PVC09/050/03
12,7 x 19,0	89	50 m	PVC12/050/03

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

Straight and Coiled

PVDF Hoses

RECTUCHEM®

Technical Description

PVDF tubing resists a broad range of chemicals, and its low permeability, out-gassing and extractable properties make it ideal for ultrapure applications. Unlike PTFE, PVDF withstands radiation and has excellent mechanical properties that resist creep and cold flow, while offering significant cost savings.

Special physical features

- Complies with USP Class VI Standards
- Acceptable for USDA
- Meets FDA Requirements and UL 94 V-O (Flame Retardant Requirements)
- Odorless & Tasteless
- Sterilizable by Gamma Radiation, Autoclave or Ozones
- Acceptable for 3-A Sanitary Standards for Dairy Equipment

Typical Chemical Applications:

Pesticides, petrochemical, wastewater treatment, pulp and paper bleaching operations

Chemical Resistance:

Oxidants, radiation, ultraviolet radiation, acids, alcohol, aliphatic, aromatics, mild basis, chloride, halogens, fungus, out-gassing

Technical Data

Temperature Range:
-40°C up to +120°C

Maximum Operating Pressure:
see chart

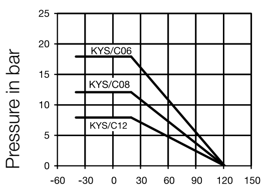
Color: opak

All technical data refers to air applications. We will gladly assist you for other media.

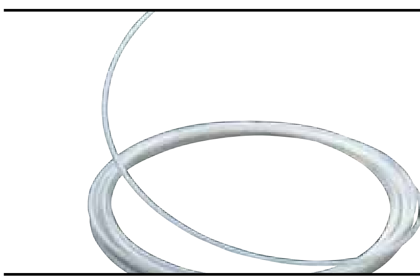
Useable with PVDF couplings 21 series + 48 series.
(Page 232)

Relation Working Pressure / Temperature

(only for hoses, not for fittings!)



Straight — Nycoil RECTUCHEM



Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Part Number
4,0 x 6,0		25 m	KYS06/025/00
6,0 x 8,0		25 m	KYS08/025/00
10,0 x 12,0		25 m	KYS12/025/00

Coiled — Nycoil RECTUCHEM

Inside x Outside Ø mm	Coil Outside Diameter mm	Working Length	Part Number
4,0 x 6,0	40	2,5 m	KYC06/025/00
		6,0 m	KYC06/060/00
6,0 x 8,0	65	2,5 m	KYC08/025/00
		6,0 m	KYC08/060/00
9,0 x 12,0	140	2,5 m	KYC12/025/00
		6,0 m	KYC12/060/00

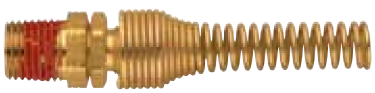
Hose Accessories

Hose Cutter — Nycoil Accessories

(up to outside Diameter 14 mm)

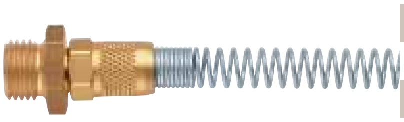
L	L1	Part Number
79	25	RP 71-00

Swivelling Spring Guard — Nycoil Accessories



Connection mm	Hex	Length	Material	Part Number
R 1/8 3,1 x 4,7	11		Brass	DV 10/05
R 1/4 4,8 x 6,3	14		Brass	DV 13/06
R 1/4 6,3 x 7,9	14		Brass	DV 13/08
R 1/4 7,9 x 9,5	15		Brass	DV 13/10
R 3/8 9,5 x 11,8	19		Brass	DV 17/12
R 1/2 12,7 x 15,8	22		Brass	DV 21/16

Fixed Spring Guard — Nycoil Accessories

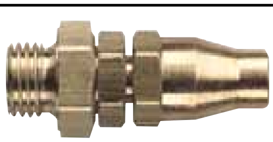


with spring guard

* inner cone 45°

Connection mm	Hex	Length	Material	Part Number
M5 4,0 x 6,0	8	103	Brass	SV 05/06
G 1/8 4,0 x 6,0	12	103	Brass	SV 10/06
G 1/8 6,0 x 8,0	12	106	Brass	SV 10/08
G 1/4 4,0 x 6,0	17	103	Brass	SV 13/06
G 1/4 6,0 x 8,0	17	106	Brass	SV 13/08
G 1/4 8,0 x 10,0	17	119	Brass	SV 13/10
G 1/4 9,0 x 12,0	17	123	Brass	SV 13/12
G 3/8 6,0 x 8,0*	19	106	Brass	SV 17/08
G 3/8 8,0 x 10,0*	19	119	Brass	SV 17/10
G 3/8 9,0 x 12,0*	19	123	Brass	SV 17/12

Reusable Swivel Fittings — Nycoil Accessories



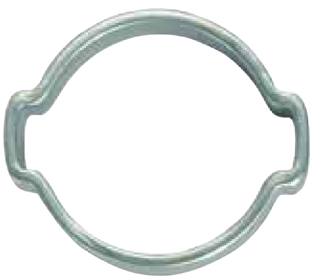
Connection mm	for PU Hose	Part Number
G 1/4	PU 08	PV 13/08
	PU 10	PV 13/10
G 3/8	PU 12	PV 17/12
	PU 15	PV 17/15

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

Worm Drive Hose Clips — Accessories

Spread	Height	Part Number
10 - 16 mm	8 mm	KA 1016
12 - 22 mm	8 mm	KA 1222
16 - 27 mm	8 mm	KA 1627
23 - 35 mm	9 mm	KA 2335
30 - 45 mm	9 mm	KA 3045
32 - 50 mm	12 mm	KA 3250
40 - 60 mm	12 mm	KA 4060
50 - 70 mm	12 mm	KA 5070
60 - 80 mm	12 mm	KA 6080

‚O'-Clips — Accessories



Steel,
chromatized

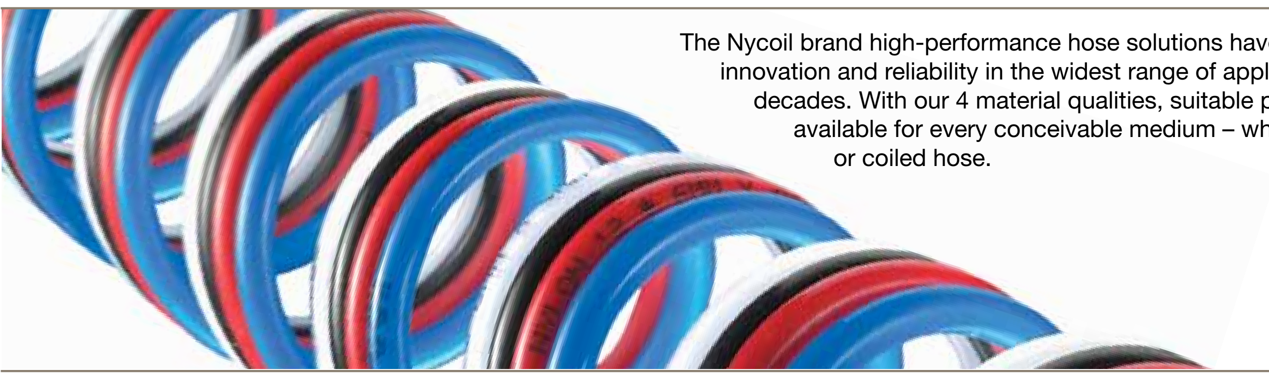
Spread	Height	Part Number
5 - 7 mm	6 mm	KB 0507
7 - 9 mm	7 mm	KB 0709
9 - 11 mm	7 mm	KB 0911
11 - 13 mm	7 mm	KB 1113
13 - 15 mm	7,5 mm	KB 1315
15 - 18 mm	8 mm	KB 1518
17 - 20 mm	8,5 mm	KB 1720
20 - 23 mm	9 mm	KB 2023
25 - 28 mm	10 mm	KB 2528
28 - 31 mm	10 mm	KB 2831
31 - 34 mm	10 mm	KB 3134
34 - 37 mm	10 mm	KB 3437
37 - 40 mm	10 mm	KB 3740
40 - 43 mm	10 mm	KB 4043
43 - 46 mm	10 mm	KB 4346

Hose Drum — Accessories

Description	Connection	Working Length	Working Pressure	Part Number
– PU-Hose (9,0 x 14,5), black	25KA Series	15 m	15 bar	DST 915-25
– Casing made of polypropylene				
– no mechanical guidance				
– Completely assembled with coupling and plug 25 series				
– CE-certified				

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

Lords of the air.



The Nycoil brand high-performance hose solutions have stood for innovation and reliability in the widest range of applications for decades. With our 4 material qualities, suitable products are available for every conceivable medium – whether straight or coiled hose.

Parker

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Notices

Notices

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Accessories

Hoses and Tubing

Parker's Motion & Control Technologies

At Parker, we're guided by a relentless drive to help our customers become more productive and achieve higher levels of profitability by engineering the best systems for their requirements. It means looking at customer applications from many angles to find new ways to create value. Whatever the motion and control technology need, Parker has the experience, breadth of product and global reach to consistently deliver. No company knows more about motion and control technology than Parker. For further info call 1 800 C-Parker (1 800 272 7537)

Aerospace

Key Markets

Aftermarket services
Commercial transports
Engines
General & business aviation
Helicopters
Launch vehicles
Military aircraft
Missiles
Power generation
Regional transports
Unmanned aerial vehicles

Key Products

Control systems & actuation products
Engine systems & components
Fluid conveyance systems & components
Fluid metering, delivery & atomization devices
Fuel systems & components
Fuel tank inerting systems
Hydraulic systems & components
Thermal management
Wheels & brakes

Climate Control

Key Markets

Agriculture
Air conditioning
Construction Machinery
Food & beverage
Industrial machinery
Life sciences
Oil & gas
Precision cooling
Process
Refrigeration
Transportation

Key Products

Accumulators
Advanced actuators
CO_2 controls
Electronic controllers
Filter driers
Hand shut-off valves
Heat exchangers
Hose & fittings
Pressure regulating valves
Refrigerant distributors
Safety relief valves
Smart pumps
Solenoid valves
Thermostatic expansion valves

Electromechanical

Key Markets

Aerospace
Factory automation
Life science & medical
Machine tools
Packaging machinery
Paper machinery
Plastics machinery & converting
Primary metals
Semiconductor & electronics
Textile
Wire & cable

Key Products

AC/DC drives & systems
Electric actuators, gantry robots & slides
Electrohydrostatic actuation systems
Electromechanical actuation systems
Human machine interface
Linear motors
Stepper motors, servo motors, drives & controls
Structural extrusions

Filtration

Key Markets

Aerospace
Food & beverage
Industrial plant & equipment
Life sciences
Marine
Mobile equipment
Oil & gas
Power generation & renewable energy
Process
Transportation
Water Purification

Key Products

Analytical gas generators
Compressed air filters & dryers
Engine air, coolant, fuel & oil filtration systems
Fluid condition monitoring systems
Hydraulic & lubrication filters
Hydrogen, nitrogen & zero air generators
Instrumentation filters
Membrane & fiber filters
Microfiltration
Sterile air filtration
Water desalination & purification filters & systems

Fluid & Gas Handling

Key Markets

Aerial lift
Agriculture
Bulk chemical handling
Construction machinery
Food & beverage
Fuel & gas delivery
Industrial machinery
Life sciences
Marine
Mining
Mobile
Oil & gas
Renewable energy
Transportation

Key Products

Check valves
Connectors for low pressure fluid conveyance
Deep sea umbilicals
Diagnostic equipment
Hose couplings
Industrial hose
Mooring systems & power cables
PTFE hose & tubing
Quick couplings
Rubber & thermoplastic hose
Tube fittings & adapters
Tubing & plastic fittings

Hydraulics

Key Markets

Aerial lift
Agriculture
Alternative energy
Construction machinery
Forestry
Industrial machinery
Machine tools
Marine
Material handling
Mining
Oil & gas
Power generation
Refuse vehicles
Renewable energy
Truck hydraulics
Turf equipment

Key Products

Accumulators
Cartridge valves
Electrohydraulic actuators
Human machine interfaces
Hybrid drives
Hydraulic cylinders
Hydraulic motors & pumps
Hydraulic systems
Hydraulic valves & controls
Hydrostatic steering
Integrated hydraulic circuits
Power take-offs
Power units
Rotary actuators
Sensors

Pneumatics

Key Markets

Aerospace
Conveyor & material handling
Factory automation
Life science & medical
Machine tools
Packaging machinery
Transportation & automotive

Key Products

Air preparation
Brass fittings & valves
Manifolds
Pneumatic accessories
Pneumatic actuators & grippers
Pneumatic valves & controls
Quick disconnects
Rotary actuators
Rubber & thermoplastic hose & couplings
Structural extrusions
Thermoplastic tubing & fittings
Vacuum generators, cups & sensors

Process Control

Key Markets

Alternative fuels
Biopharmaceuticals
Chemical & refining
Food & beverage
Marine & shipbuilding
Medical & dental
Microelectronics
Nuclear Power
Offshore oil exploration
Oil & gas
Pharmaceuticals
Power generation
Pulp & paper
Steel
Water/wastewater

Key Products

Analytical Instruments
Analytical sample conditioning products & systems
Chemical injection fittings & valves
Fluoropolymer chemical delivery fittings, valves & pumps
High purity gas delivery fittings, valves, regulators & digital flow controllers
Industrial mass flow meters/controllers
Permanent no-weld tube fittings
Precision industrial regulators & flow controllers
Process control double block & bleeds
Process control fittings, valves, regulators & manifold valves

Sealing & Shielding

Key Markets

Aerospace
Chemical processing
Consumer
Fluid power
General industrial
Information technology
Life sciences
Microelectronics
Military
Oil & gas
Power generation
Renewable energy
Telecommunications
Transportation

Key Products

Dynamic seals
Elastomeric o-rings
Electro-medical instrument design & assembly
EMI shielding
Extruded & precision-cut, fabricated elastomeric seals
High temperature metal seals
Homogeneous & inserted elastomeric shapes
Medical device fabrication & assembly
Metal & plastic retained composite seals
Shielded optical windows
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Thermal management
Vibration dampening

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