# Pneumatic Catalogue

## 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.

# 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.

## 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 = M 5
10 = M 10 x 1
12 = M 12 x 1,5
14 = M 14 x 1,5
16 = M 16 x 1,5
18 = M 18 x 1,5

### 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

- Machinery Construction
- 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 2015: 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.

# Structure of the Pneumatic Catalogue

## Brass / Steel

| DN | Series | KF | KA | KB | KL |
|---|---|---|---|---|---|
| 1,5 | Series 02 | | 15 | | |
| 2,5 | Series 50 | | 19 | | |
| 2,7 | Series 20 | | 21 | 23 | |
| 4 | Series 204 | | | | 27 |
| 5 | Series 17 | | 29 | | |
| 5 | Series 21 | | 31 | 35 | 39 |
| 5,5 | Series 1100 | | 43 | 44 | |
| 5,5 | Series 14 | | 47 | | |
| 5,5 | Series 18 | | 51 | | |
| 5,5 | Series 19 | | 53 | | |
| 5,5 | Series 22 | | 55 | | |
| 5,5 | Series 23 | | 59 | | |
| 5,5 | Series 1400 | | 63 | | |
| 5,5 | Series 1423 | | 67 | | |
| 5,5 | Series 24 | | 71 | | |
| 6 | Series 206 | | | | 75 |
| 6 | Series 51 | | 77 | 77 | |
| 6 | Series 52 | | 81 | 81 | |
| 7,2 | Series 26 | | 85 | 89 | |
| 7,4 | Series 1300 | | 93 | 94 | |
| 7,5 | Series 13 | | 97 | | |
| 7,8 | Series 25 | | 99 | 101 | 104 |
| 7,8 | Series 1600 | | 107 | | |
| 7,8 | Series 1625 | | 109 | | |
| 8 | Series 33 | | 111 | | |
| 8 | Series 84 | | 113 | | |
| 8,1 | Series 93 | 115 | | | 115 |
| 8,1 | Series 08 | 119 | | | 120 |
| 8,5 | Series 45 | 123 | | | |
| 8,5 | Series 30 | | 125 | | |
| 9 | Series 209 | | | | 127 |
| 9 | Series 40 | | 129 | | |
| 10 | Series 27 | | 131 | 132 | |
| 10 | Series 1700 | | 135 | 136 | |
| 10 | Series 1727 | | 139 | | |
| 10 | Series 1800 | | 141 | 142 | |
| 10 | Series 34 | | 147 | | |
| 10 | Series 41 | 149 | | | |
| 11 | Series 42 | 151 | | | |
| 11 | Series 37 | | 153 | | |
| 12 | Series 57 | | 157 | 157 | |
| 12,4 | Series 1900 | | 161 | 161 | |
| 13 | Series 29 | | 165 | | |
| 15 | Series 38 | | 167 | 167 | |
| 19 | Series 39 | | 171 | 171 | 173 |
| 4,3–20 | Series 70 | | | 175 | |
| 22 | Series 2100 | | 177 | | |

## Stainless Steel

| DN | Series | KF | KA | KB | KL |
|---|---|---|---|---|---|
| 2,7 | Series 20 | | 181 | 183 | |
| 3 | Series 303 | | | 187 | |
| 4 | Series 204 | | | | 191 |
| 5 | Series 21 | | 193 | 196 | 198 |
| 6 | Series 206 | | | | 201 |
| 7,2 | Series 26 | | 203 | | |
| 7,4 | Series 1300 | | 205 | 205 | |
| 7,4 | Series 25 | | 209 | 211 | 213 |
| 9 | Series 209 | | | | 215 |
| 10 | Series 27 | | 217 | 218 | |
| 10 | Series 1800 | | 221 | 222 | |
| 4,3–20 | Series 70 | | | 225 | |

## Thermoplastic

### Standard

| DN | Series | KF | KA | KB | KL |
|---|---|---|---|---|---|
| 5 | Series 21 | | 233 | 233 | |
| 7 | Series 48 | | 241 | 241 | |
| 4,3–30 | Series 70 | | | 247 | |
| Components | | | | | |

### Medical Technology

| DN | Series | KF | KA | KB | KL |
|---|---|---|---|---|---|
| 2,7 | Series NP | 251 | | | |
| 3 | Series PPM | 253 | 253 | 253 | |
| 5 | Series MD | | 257 | 257 | |
| 6 | Series PPL | 265 | 265 | 265 | |
| 7 | Series BT | 269 | | | |

## Safety

### Standard

| DN | Series | KF | KA | KB | KL |
|---|---|---|---|---|---|
| 5 | Series 21 | | 271 | 273 | |
| 7,8 | Series 25 | | 275 | 277 | |
| 10,5 | Series 28 | | 279 | | |

### Breathing Air

| DN | Series | KF | KA | KB | KL |
|---|---|---|---|---|---|
| 7,4 | Series 95 | | 281 | | |
| 7,4 | Series 96 | | 283 | | |

### Self-Venting

| DN | Series | KF | KA | KB | KL |
|---|---|---|---|---|---|
| 5,5 | Series 14 | | 285 | | |
| 5,5 | Series 18 | | 287 | | |
| 5,5 | Series 1400 | | 289 | | |
| 5,5 | Series 24 | | 291 | | |
| 7,4 | Series 26 | | 293 | | |
| 7,8 | Series 1600 | | 295 | | |
| 10 | Series 1700 | | 297 | | |

## Coded Systemes

| DN | Series | KF | KA | KB | KL |
|---|---|---|---|---|---|
| 5 | Series 21 | | 299 | | |
| 7,8 | Series 25 | | 303 | | |
| 7,4 | Series 65-67 | | 307 | | |

## Acces-sories

Components
Blow Guns

## Hoses & Tubing

Rectulastic
Rectuflex
Rectuflex with straight extension
Superbraid
Ultra-Lite
Rectusoft
Accessories

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


## Brass/Steel

Here, you will find a broad range of standard coupling systems in brass and/or steel with various valve types (single, double, leak-free) for compressed air and water as well as applications with liquid and gaseous media.

Page 14 – 179

## Stainless Steel

The coupling systems in this chapter have been designed in V2A (AISI 303) or V4A stainless steel (AISI 316 L) specifically for liquid and/or aggressive media and impress with their high corrosion resistance and great strength.

Page 180 – 225

## Thermoplastic / Medical Technology

Various materials in POM and PVDF and a broad range of coupling systems allow a wide spectrum of possible applications, e.g. in medical technology and in the pharmaceutical sector.

Page 226 – 269

## Safety

Systems with safety locking protect against unintentional uncoupling. Venting systems reliably prevent the whiplash effect and thus improve safety in the workplace. Special couplings for respiratory protection applications are optimised for use even in extreme situations.

Page 270 – 297

## Coded Systems

These systems are the right choice wherever there is a risk of mixing up different circuits. Depending on the design with mechanical and/or color coding, they reliably impede or prevent incorrect coupling.

Page 298 – 307

## Accessoires

A broad range of brass, stainless steel and aluminium fittings as well as plastic and aluminium blow guns is the ideal addition to our comprehensive couplings range.

Page 308 – 333

## Hoses and Tubing

Here, you will find a large selection of hoses in various materials (nylon 12, polyurethane, PVC) and shapes (straight, spiral) with or without fabric lining and bonding as well as reusable hoses to round off the mix.

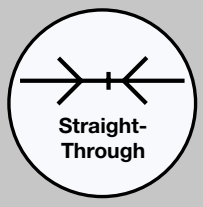
Page 334 – 357

# 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 connection is disengaged with no problem whatsoever. The following four valve designs are available for selection for different applications:

## Straight-Through

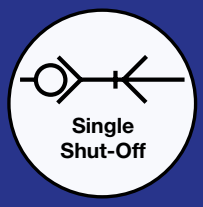
These coupling systems work with no shut-off valve and therefore achieve the greatest possible flow. Furthermore, turbulence which can occur with integrated valves is completely eradicated. Straight-through couplings are ideally suited to liquid media – e.g. water applications. Before unlocking, the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

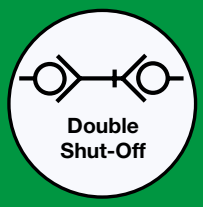
Appearance of on-flow media in the line is effectively prevented. An ideal solution for operating compressed air tools.




## Double Shut-Off

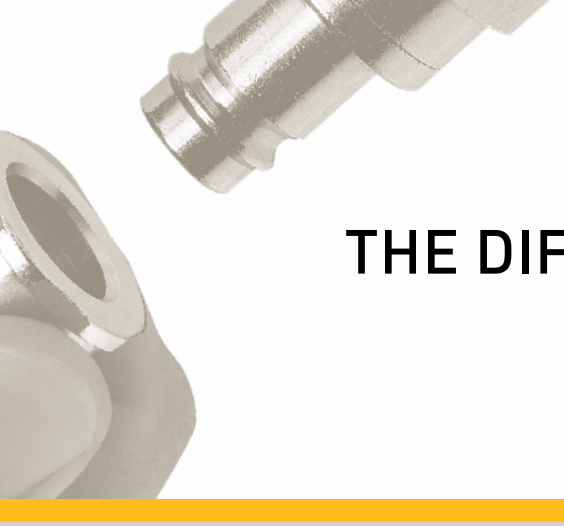
On our double shut-off systems, after disconnection, the flow stops both in the coupling and in the plug.

The medium remains in the hose in both connecting lines, the pressure is held constant and not released.




## Leak-Free Design

On the coupling and plug, our leak-free coupling systems have valves that build up no dead-space volume. As such, when the connection is broken, no drops of the medium being channelled are able to escape. This variant is especially suitable for transporting aggressive media or in sensitive environments – e.g. in cleanrooms.



# THE DIFFERENCE LIES IN THE VALVE.

The valve design is the linchpin of any coupling system and it is essentially responsible for the flow / pressure loss on a coupling. Depending on the medium and application, the use of a system with optimised valve technology can save a great deal of energy, e.g. in the supply to compressed air tools.

energy saver

## Higher Flow, Lower Pressure Drop

This symbol identifies all Quick Connect Couplers with an Ultra HighFlow-Valve. This flow-optimized valve ensures higher flow rates combined with lower pressure drop in your compressed air system. And thus helps to save energy.

**Your advantages:**

· Reduced energy requirements for compressed air preparation
· Better performance on compressed air tools
· Reduced waste in the system overall

## Ultra HighFlow-Valve

This extremely streamlined high-end valve guarantees optimal flow and can be found in our „Engergy Saving“ series e.g. 1600KA series. At nominal diameter 7.4, a flow of approx. 2,200 l/min (air) is therefore possible.

## UltraFlo-Valve

Due to less turbulence, this streamlined valve structure can increase flow by up to 80 % compared with conventional systems. This valve design can be found e.g. in our 25KA series. At nominal diameter 7.4, a flow of approx. 1,800 l/min (air) is therefore possible.

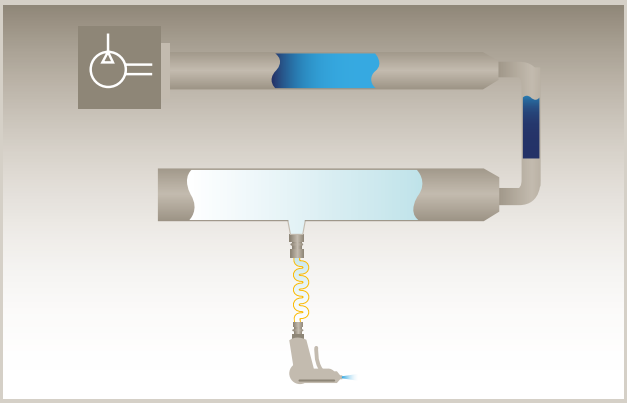
## Standard-Valve

For decades, the tried and tested valve technology with its robust and compact design has served reliably in many applications. This valve design can be found e.g. in our 26KA series. At nominal diameter 7.4, a flow of approx. 1,000 l/min (air) is therefore possible.

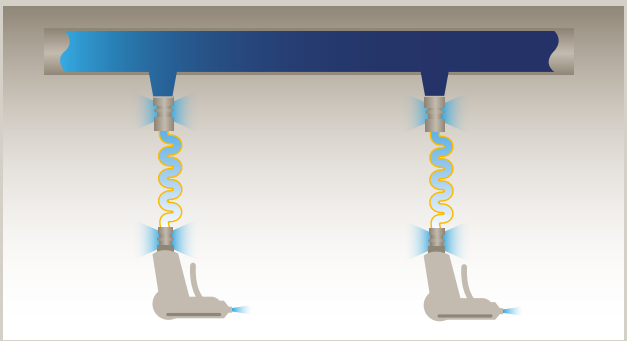
# KNOW-HOW THAT SAVES HARD CASH.

In the age of rationalisation even in compressed air technology, the optimisation of systems is an important tool to improve energy efficiency. Correctly designed, complete systems from the compressor to the tool and a correctly dimensioned conduit system with no leaks save hard cash here. For over six decades now, we have devoted ourselves to the industrial handling of compressed air with professional systems and we are therefore intimately acquainted with the weak points of compressed air systems.

When planning a compressed air system, certain parameters must be kept in mind. As such, the hoses used should always be as short as possible and have the right diameter and as few coils as possible, as every metre of hose causes pressure losses. Even essentially correct, self-venting couplings sometimes differ considerably in terms of pressure loss. As such, modern systems reduce the pressure loss by at least a third, to approx. 0.2 bar, and therefore pay for themselves within a minimal period.



**Incompatible Overall System**
The objective evaluation of an existing system requires analysis of the actual condition of the system. The relevant parameters for this, such as volume flow, flow pressure and compressed air quality, can be recorded using professional measuring technology. Large cross-section tolerances, more couplings than necessary, too many nozzles and an incorrect hose diameter cost a huge amount of energy here. An appropriate assembly therefore always pays off, as efficient operation of the overall system is possible only if all components are in harmony.



**Leaks in the Connecting Elements**
The detection of possible leaks in the network can be calculated either by back-feeding during down time or, if this is not possible, from the measured pressure curves during operation. Sensitive points here particularly include the connection to the ring line and to the tool. There is a possibility of optimisation for example with the use of quick connect couplings with a valve to prevent pressure loss when uncoupling and venting the system.

# 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 | Leak-Free Design KL | Thermoplastic Couplings POM/PVDF | Stainless Steel Couplings | Safety 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 | ○ | ● | ○ | ○ | ○ | ○ | ● |
| Rafineries | ○ | ○ | ● | ● | ○ | ● | ● |
| Paper Production | ○ | ● | ● | ○ | ○ | ● | ○ |
| Rescue and Safety | ○ | ● | ● | ● | ○ | ● | ● |
| Aerospace Technology | ○ | ○ | ○ | ○ | ○ | ● | ● |
| Shipyards | ○ | ● | ● | ○ | ○ | ● | ○ |
| Semiconductor Technology | ○ | ○ | ● | ● | ● | ● | ○ |
| Laser Technology | ○ | ○ | ● | ● | ○ | ● | ○ |
| Nuclear Power | ○ | ○ | ● | ○ | ○ | ● | ● |

* only systems with valve and sleeve made of brass

# 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.

## The most important sealants

| Sealing-Material | Brand | Temperature-Range | Features |
|---|---|---|---|
| NBR<br>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<br>Ethylene Propylene Diene Rubber | | -40°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<br>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<br>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.

## RectuLoc

This innovative sealing method is available for all standard shut-off products with a tapered external thread. It consists of a sealant applied directly to the thread. The connection is simply merely screwed in and can be readjusted with no leakage even after several hours. It reliably seals against gases as well as aqueous and non-aqueous liquids up to 150 bar and temperatures up to 120 °C and it is moreover also resistant to aggressive media.

## Captive Washer

This permanently fixed sealing ring in robust polymer is available for all standard shut-off products with a cylindrical external thread. The connection is screwed as usual and reliably sealed by the ring, even in the case of readjustment. The seal is suitable for gaseous as well as aqueous and non-aqueous media up to a pressure of 150 bar and up to a temperature of 120 °C as well as being resistant to aggressive media.

# ALWAYS A SUITABLE PLUG.

**Plug Profil: ISO 6150 B**
Standard-Series

Self-Venting Series

**23SF**
23KA/24KA
1400KA/1423KA
24KE/1400KE

**30SF**
30KA

**37SF**
37KA

**Plug Profile: ISO C**
Standard-Series
Self-Venting Series

**303SB**
303KB

**18SF**
18KA
18KE

**84SF**
84KA

**Plug Profile: Europe**
Standard-Series

Self-Venting Series

**20SF**
20KA

**21SF**
21KA

**25SF*/26SF****
25KA/26KA/1600KA
1625KA
25KE/26KE/1600KE

**27SF**
27KA/1700KA
1727KA
1700KE

* Steel zinc plated
** Brass

**Plug Profile: Walther**
Standard-Series

**50SF**
50KA

**51SF**
51KA

**52SF**
52KA

**57SF**
57KA

**Plug Profile: Scandinavia**
Standard-Series

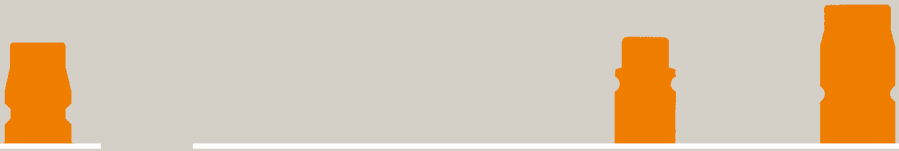
**1100SF**
1100KA

**1300SF**
1300KA

**1800SF**
1800KA

**1900SF**
1900KA

**2100SF**
2100KA



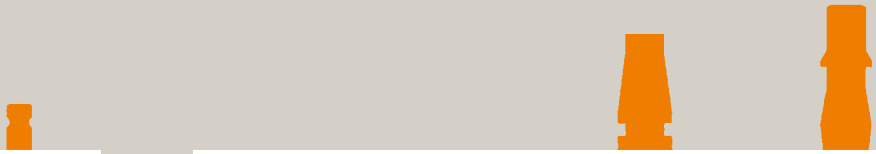
**Plug Profile: Asia**
Standard-Series

**13SF**
13KA

**Plug Profile: Atlas Copco**
Standard-Series

**33SF**
33KA

**34SF**
34KA



**Plug Profile: Aro**
Standard-Series
Self-Venting Series

**22SF**
14KA/22KA
14KE

**Plug Profile: UK**
Standard-Series

**17SF**
17KA

**19SF**
19KA

Pictures are smaller than actual products.

# WE SET STANDARDS IN QUALITY AND SAFETY.

Around the world, highly qualified specialists work every day to guarantee and optimise the quality of our products. Nothing will deter them from the high demands they set themselves – as all employees know, we can retain our top international position only through constant top performance. With the aid of controlled manufacturing processes and the latest precision technology, it is the person – as a creative and experienced technician, seller and customer adviser – who is responsible for this. All stages of production are subject to tried and tested, comprehensive quality management. The certificates and test reports from the principal independent institutions also confirm our outstanding functionality and production quality. For our customers, this means: greater safety and reliability – even under extreme conditions.

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

BIA

GASWÄRME-INSTITUT E.V. ESSEN
GWI

# FROM STANDARD PRODUCT TO BESPOKE SOLUTION.

Our standard catalogue range offers the right coupling system for most application areas. Many of these standard items come from previous special solutions, which we have subsequently integrated into series production. Developing special solutions for particular tasks is one of our strengths – and an advantage that you can use at any time. Our competent specialists will be happy to visit you to establish your specific requirements and wishes. We will then recommend adaptation of one of our standard products or the new design of a bespoke, individual solution for you. Ultimately, we will provide you with a functional system that is exactly suited to your requirements – both technologically and economically. Talk to us! We will be happy to advise you in detail.

## Standard

From nominal diameters 1.5 mm to 30 mm – from brass through stainless steel to plastic – various valve and seal types – sophisticated safety systems. Over the decades, we have developed one of the broadest ranges of standard coupling systems, which offer a solution for almost any application and can all be found in this catalogue.

## Customised

Moreover, we develop systems designed very specifically for customer requirements. To this end, our experienced designers compile extensive requirement profiles and a functional specification together with the customer, in order to be able to develop the optimum solution. Simply talk to us about it!

# 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.

**Nominal Diameter**

# 1,5 = 1,8 mm²

**Rectus Series**

# 02

**Technical Description**
Smallest mini industrial coupling for air and gas applications. Primarily in medicine, didactics and model building. Specific application for liquids due to size. Coupling system with single-hand operation. Extremely small dimensions.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

## KA Single Shut-Off

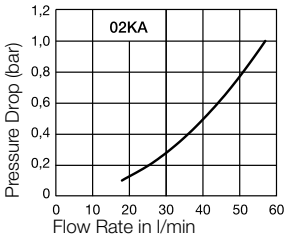
### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

### Material
**Coupling:** Brass
**Plug:** Brass
**Seals:** NBR

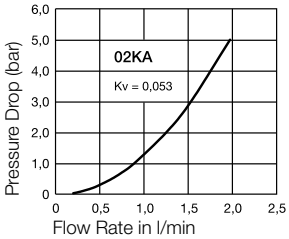
### Interchangeability
- Rectus Design

### Flow diagrams

**Air**

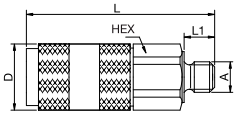
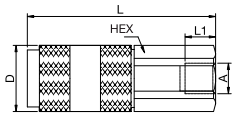
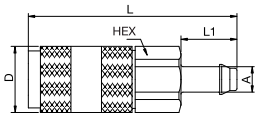
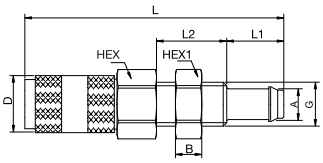



**Water**



# Couplings – with valve

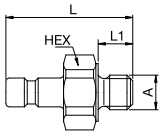
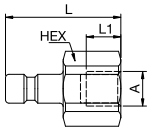
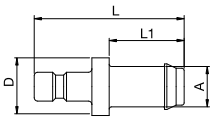
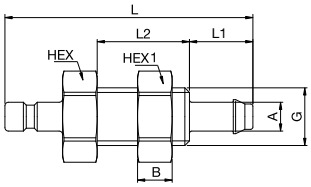
## Series 02KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | M 3 | 6 | | 19 | 3 | | 6,5 | | | blank | 02KAAM03MPX |
| | M 3 | 6 | | 19 | 3 | | 6,5 | | | nickel plated | 02KAAM03MPN |
|  Female Thread | M 3 | 6 | | 19 | 3 | | 6,5 | | | blank | 02KAIM03MPX |
| | M 3 | 6 | | 19 | 3 | | 6,5 | | | nickel plated | 02KAIM03MPN |
|  Hose Barb | 2 mm | 6 | | 21 | 5,5 | | 6,5 | | | blank | 02KATF02MPX |
| | 2 mm | 6 | | 21 | 5,5 | | 6,5 | | | nickel plated | 02KATF02MPN |
| | 3 mm | 6 | | 22 | 5,5 | | 6,5 | | | blank | 02KATF03MPX |
| | 3 mm | 6 | | 22 | 5,5 | | 6,5 | | | nickel plated | 02KATF03MPN |
|  Panel Mount with Hose Barb | 2 mm | 7 | 7 | 29 | 5,5 | 8 | 6,5 | 3 | M 5 | blank | 02KATS02MPX |
| | 2 mm | 7 | 7 | 29 | 5,5 | 8 | 6,5 | 3 | M 5 | nickel plated | 02KATS02MPN |
| | 3 mm | 7 | 7 | 30 | 6,5 | 8 | 6,5 | 3 | M 5 | blank | 02KATS03MPX |
| | 3 mm | 7 | 7 | 30 | 6,5 | 8 | 6,5 | 3 | M 5 | nickel plated | 02KATS03MPN |

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

# Plugs – without valve

## Series 02KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | M 3 | 6 | | 11 | 3 | | | | | blank | 02SFAM03MXX |
| | M 3 | 6 | | 11 | 3 | | | | | nickel plated | 02SFAM03MXN |
|  Female Thread | M 3 | 6 | | 10 | 3 | | | | | blank | 02SFIM03MXX |
| | M 3 | 6 | | 10 | 3 | | | | | nickel plated | 02SFIM03MXN |
|  Hose Barb | 2 mm | | | 12 | 5,5 | | 4 | | | blank | 02SFTF02MXX |
| | 2 mm | | | 12 | 5,5 | | 4 | | | nickel plated | 02SFTF02MXN |
|  Panel Mount with Hose Barb | 2 mm | 7 | 7 | 22 | 5,5 | 8 | | 3 | M 5 | blank | 02SFTS02MXX |
| | 2 mm | 7 | 7 | 22 | 5,5 | 8 | | 3 | M 5 | nickel plated | 02SFTS02MXN |
| | 3 mm | 7 | 7 | 23 | 6,5 | 8 | | 3 | M 5 | blank | 02SFTS03MXX |
| | 3 mm | 7 | 7 | 23 | 6,5 | 8 | | 3 | M 5 | nickel plated | 02SFTS03MXN |

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

## Nominal Diameter
# 2,5 = 5 mm²

## Rectus Series
# 50

**Technical Description**
Mini industrial coupling, can be used with various media.
Coupling system with single-hand operation. This system is extremely easy to operate and stands out for its small installation dimensions.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

## KA Single Shut-Off

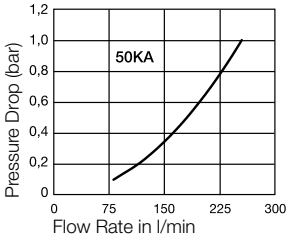
### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

### Material
**Coupling:** Brass
**Plug:** Brass
**Seals:** NBR

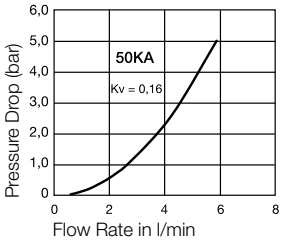
### Interchangeability
- Walther LP002

### Flow diagrams

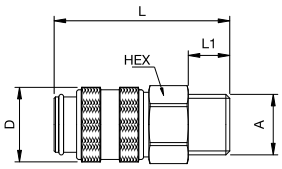
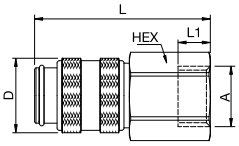
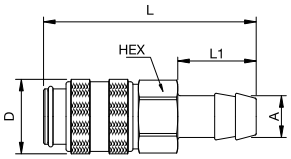
**Air**



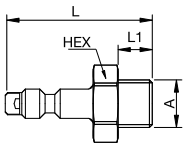
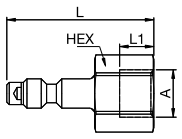
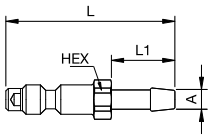

**Water**



## Couplings – with valve — Series 50KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 36 | 7 | | 16 | | | blank | 50KAAW10MPXS |
| | G 1/8 | 14 | | 36 | 7 | | 16 | | | nickel plated | 50KAAW10MPNS |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | blank | 50KAAW13MPXS |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | nickel plated | 50KAAW13MPNS |
|  Female Thread | G 1/8 | 14 | | 36 | 9 | | 16 | | | blank | 50KAIW10MPXS |
| | G 1/8 | 14 | | 36 | 9 | | 16 | | | nickel plated | 50KAIW10MPNS |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | blank | 50KAIW13MPXS |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | nickel plated | 50KAIW13MPNS |
|  Hose Barb | 4 mm | 14 | | 46 | 17 | | 16 | | | blank | 50KATF04MPXS |
| | 4 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 50KATF04MPNS |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | blank | 50KATF06MPXS |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 50KATF06MPNS |

## Plugs – without valve — Series 50KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 30 | 7 | | | | | blank | 50SFAW10MXX |
| | G 1/8 | 14 | | 30 | 7 | | | | | nickel plated | 50SFAW10MXN |
|  Female Thread | G 1/8 | 14 | | 30 | 7 | | | | | blank | 50SFIW10MXX |
| | G 1/8 | 14 | | 30 | 7 | | | | | nickel plated | 50SFIW10MXN |
|  Hose Barb | 4 mm | 7 | | 35 | 13 | | | | | blank | 50SFTF04MXX |
| | 4 mm | 7 | | 35 | 13 | | | | | nickel plated | 50SFTF04MXN |
| | 6 mm | 7 | | 35 | 13 | | | | | blank | 50SFTF06MXX |
| | 6 mm | 7 | | 35 | 13 | | | | | nickel plated | 50SFTF06MXN |

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

## Nominal Diameter
# 2,7 = 6 mm²

## Rectus Series
# 20

**Other designs in series 20**
The following other designs can be found from page:

➤ Stainless Steel P. 180
➤ Medical Technology (NP) P. 250

**Technical Description**
Mini industrial coupling with internationally used profile. Frequent use in medical technology and chemistry/pharmacy.
Coupling system with single-hand operation. High flow despite small dimensions plus many applications with a variety of media.

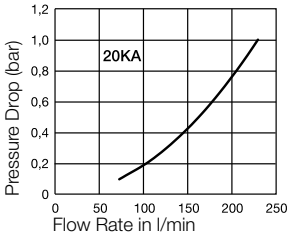
**Working Temperature***
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

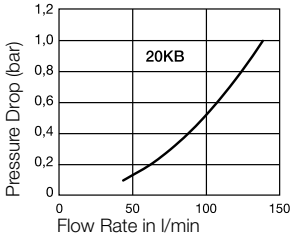
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar |
| **Features** | |
| | • Low pressure drop |
| **Material** | |
| **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR | **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR |
| **Interchangeability** | |
| • Walther 06-003 | |

**Flow diagrams**

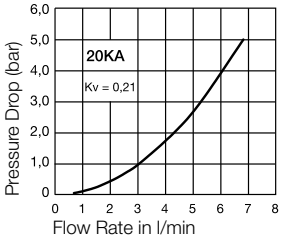
**Air**



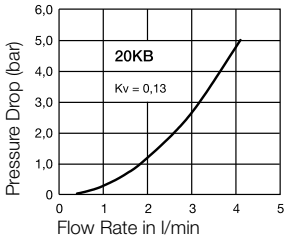

**Air**




**Water**

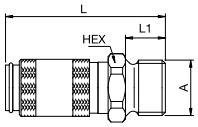
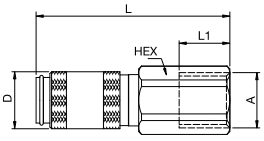
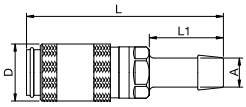
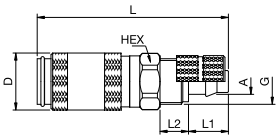
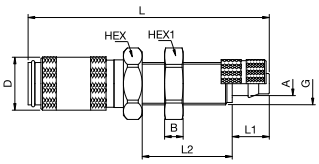
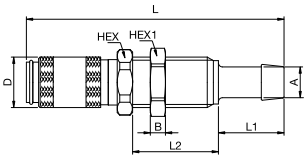
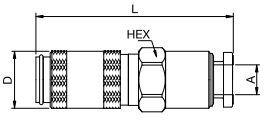



**Water**



# Couplings – with valve

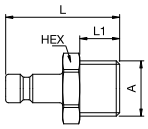
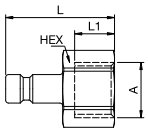
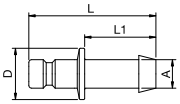
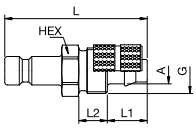
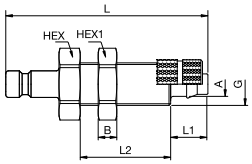
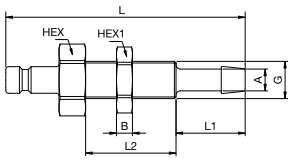
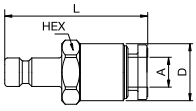
## Series 20KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | M 5 | 9 | | 26 | 5 | | 10 | | | blank | 20KAAM05MPX |
| | M 5 | 9 | | 26 | 5 | | 10 | | | nickel plated | 20KAAM05MPN |
| | G 1/8 | 11 | | 28 | 7 | | 10 | | | blank | 20KAAW10MPX |
| | G 1/8 | 11 | | 28 | 7 | | 10 | | | nickel plated | 20KAAW10MPN |
|  Female Thread | M 5 | 9 | | 26 | 5 | | 10 | | | blank | 20KAIM05MPX |
| | M 5 | 9 | | 26 | 5 | | 10 | | | nickel plated | 20KAIM05MPN |
| | G 1/8 | 12 | | 28 | 7 | | 10 | | | blank | 20KAIW10MPX |
| | G 1/8 | 12 | | 28 | 7 | | 10 | | | nickel plated | 20KAIW10MPN |
|  Hose Barb | 3 mm | | | 35 | 13 | | 10 | | | blank | 20KATF03MPX |
| | 3 mm | | | 35 | 13 | | 10 | | | nickel plated | 20KATF03MPN |
| | 4 mm | | | 35 | 13 | | 10 | | | blank | 20KATF04MPX |
| | 4 mm | | | 35 | 13 | | 10 | | | nickel plated | 20KATF04MPN |
| | 5 mm | | | 34 | 13 | | 10 | | | blank | 20KATF05MPX |
| | 5 mm | | | 34 | 13 | | 10 | | | nickel plated | 20KATF05MPN |
|  with Plastic Hose Connection | 3 x 4 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | blank | 20KAKO04MPX |
| | 3 x 4 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | nickel plated | 20KAKO04MPN |
| | 3 x 5 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | blank | 20KAKO05MPX |
| | 3 x 5 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | nickel plated | 20KAKO05MPN |
| | 4 x 6 mm | 9 | | 34 | 7 | 5 | 10 | | M 8 x 0,5 | blank | 20KAKO06MPX |
| | 4 x 6 mm | 9 | | 34 | 7 | 5 | 10 | | M 8 x 0,5 | nickel plated | 20KAKO06MPN |
|  Panel Mount with Plastic Hose Connection | 3 x 4 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 7 x 0,5 | blank | 20KAKS04MPX |
| | 3 x 4 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 7 x 0,5 | nickel plated | 20KAKS04MPN |
| | 3 x 5 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 7 x 0,5 | blank | 20KAKS05MPX |
| | 3 x 5 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 7 x 0,5 | nickel plated | 20KAKS05MPN |
| | 4 x 6 mm | 12 | 11 | 45 | 7 | 12 | 10 | 3 | M 8 x 0,5 | blank | 20KAKS06MPX |
| | 4 x 6 mm | 12 | 11 | 45 | 7 | 12 | 10 | 3 | M 8 x 0,5 | nickel plated | 20KAKS06MPN |
|  Panel Mount with Hose Barb | 3 mm | 12 | 11 | 51 | 13 | 17 | 10 | 3 | M 7 x 0,5 | blank | 20KATS03MPX |
| | 3 mm | 12 | 11 | 51 | 13 | 17 | 10 | 3 | M 7 x 0,5 | nickel plated | 20KATS03MPN |
| | 4 mm | 12 | 11 | 51 | 13 | 17 | 10 | 3 | M 7 x 0,5 | blank | 20KATS04MPX |
| | 4 mm | 12 | 11 | 51 | 13 | 17 | 10 | 3 | M 7 x 0,5 | nickel plated | 20KATS04MPN |
| | 6 mm | 12 | 12 | 51 | 13 | 17 | 10 | 3 | M 10 x 1 | blank | 20KATS06MPX |
| | 6 mm | 12 | 12 | 51 | 13 | 17 | 10 | 3 | M 10 x 1 | nickel plated | 20KATS06MPN |
|  Push-In | 4 mm | 10 | | 35 | | | 10 | | | nickel plated | 20KARP04MPN |

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

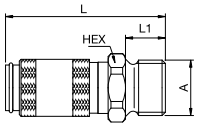
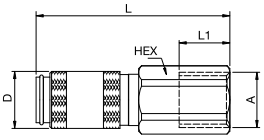
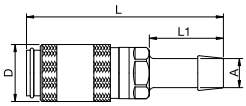
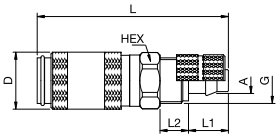
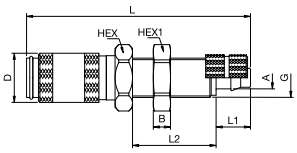
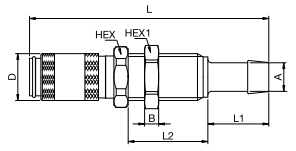
# Plugs – without valve

## Series 20KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | M 5 | 7 | | 18 | 5 | | | | | blank | 20SFAM05MXX |
| | M 5 | 7 | | 18 | 5 | | | | | nickel plated | 20SFAM05MXN |
| | G 1/8 | 11 | | 20 | 7 | | | | | blank | 20SFAW10MXX |
| | G 1/8 | 11 | | 20 | 7 | | | | | nickel plated | 20SFAW10MXN |
|  Female Thread | M 5 | 7 | | 17 | 5 | | | | | blank | 20SFIM05MXX |
| | M 5 | 7 | | 17 | 5 | | | | | nickel plated | 20SFIM05MXN |
| | G 1/8 | 12 | | 19 | 7 | | | | | blank | 20SFIW10MXX |
| | G 1/8 | 12 | | 19 | 7 | | | | | nickel plated | 20SFIW10MXN |
|  Hose Barb | 3 mm | | | 24 | 13 | | 7 | | | blank | 20SFTF03MXX |
| | 3 mm | | | 24 | 13 | | 7 | | | nickel plated | 20SFTF03MXN |
| | 4 mm | | | 24 | 13 | | 7 | | | blank | 20SFTF04MXX |
| | 4 mm | | | 24 | 13 | | 7 | | | nickel plated | 20SFTF04MXN |
| | 5 mm | | | 22 | 13 | | 9 | | | blank | 20SFTF05MXX |
| | 5 mm | | | 22 | 13 | | 9 | | | nickel plated | 20SFTF05MXN |
|  with Plastic Hose Connection | 3 x 4 mm | 7 | | 25 | 7 | 5 | | | M 7 x 0,5 | blank | 20SFKO04MXX |
| | 3 x 4 mm | 7 | | 25 | 7 | 5 | | | M 7 x 0,5 | nickel plated | 20SFKO04MXN |
| | 3 x 5 mm | 7 | | 25 | 7 | 5 | | | M 7 x 0,5 | blank | 20SFKO05MXX |
| | 3 x 5 mm | 7 | | 25 | 7 | 5 | | | M 7 x 0,5 | nickel plated | 20SFKO05MXN |
| | 4 x 6 mm | 8 | | 25 | 7 | 5 | | | M 8 x 0,5 | blank | 20SFKO06MXX |
| | 4 x 6 mm | 8 | | 25 | 7 | 5 | | | M 8 x 0,5 | nickel plated | 20SFKO06MXN |
|  Panel Mount with Plastic Hose Connection | 3 x 4 mm | 11 | 11 | 38 | 7 | 17 | | 3 | M 7 x 0,5 | blank | 20SFKS04MXX |
| | 3 x 4 mm | 11 | 11 | 38 | 7 | 17 | | 3 | M 7 x 0,5 | nickel plated | 20SFKS04MXN |
| | 3 x 5 mm | 11 | 11 | 38 | 7 | 17 | | 3 | M 7 x 0,5 | blank | 20SFKS05MXX |
| | 3 x 5 mm | 11 | 11 | 38 | 7 | 17 | | 3 | M 7 x 0,5 | nickel plated | 20SFKS05MXN |
| | 4 x 6 mm | 12 | 12 | 38 | 7 | 17 | | 3 | M 8 x 0,5 | blank | 20SFKS06MXX |
| | 4 x 6 mm | 12 | 12 | 38 | 7 | 17 | | 3 | M 8 x 0,5 | nickel plated | 20SFKS06MXN |
|  Panel Mount with Hose Barb | 3 mm | 12 | 11 | 45 | 13 | 18 | | 3,5 | M 7 x 0,5 | blank | 20SFTS03MXX |
| | 3 mm | 12 | 11 | 45 | 13 | 18 | | 3,5 | M 7 x 0,5 | nickel plated | 20SFTS03MXN |
| | 4 mm | 12 | 11 | 45 | 13 | 17 | | 3 | M 7 x 0,5 | blank | 20SFTS04MXX |
| | 4 mm | 12 | 11 | 45 | 13 | 17 | | 3 | M 7 x 0,5 | nickel plated | 20SFTS04MXN |
|  Push-In | 4 mm | 10 | | 35 | | | 10 | | | nickel plated | 20SFRP04MPN |

# Couplings – with valve

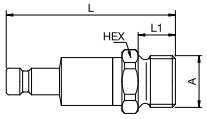
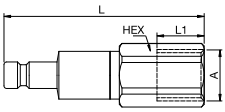
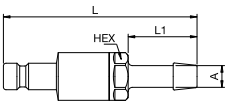
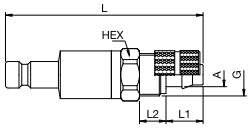
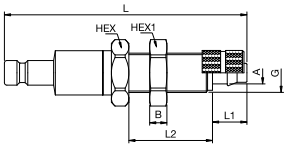
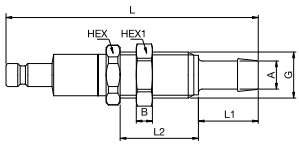
## Series 20KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | M 5 | 9 | | 26 | 5 | | 10 | | | blank | 20KBAM05MPX |
| | M 5 | 9 | | 26 | 5 | | 10 | | | nickel plated | 20KBAM05MPN |
| | G 1/8 | 11 | | 28 | 7 | | 10 | | | blank | 20KBAW10MPX |
| | G 1/8 | 11 | | 28 | 7 | | 10 | | | nickel plated | 20KBAW10MPN |
|  Female Thread | M 5 | 9 | | 26 | 5 | | 10 | | | blank | 20KBIM05MPX |
| | M 5 | 9 | | 26 | 5 | | 10 | | | nickel plated | 20KBIM05MPN |
| | G 1/8 | 12 | | 28 | 7 | | 10 | | | blank | 20KBIW10MPX |
| | G 1/8 | 12 | | 28 | 7 | | 10 | | | nickel plated | 20KBIW10MPN |
|  Hose Barb | 3 mm | | | 35 | 13 | | 10 | | | blank | 20KBTF03MPX |
| | 3 mm | | | 35 | 13 | | 10 | | | nickel plated | 20KBTF03MPN |
| | 4 mm | | | 35 | 13 | | 10 | | | blank | 20KBTF04MPX |
| | 4 mm | | | 35 | 13 | | 10 | | | nickel plated | 20KBTF04MPN |
| | 5 mm | | | 34 | 13 | | 10 | | | blank | 20KBTF05MPX |
| | 5 mm | | | 34 | 13 | | 10 | | | nickel plated | 20KBTF05MPN |
|  with Plastic Hose Connection | 3 x 4 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | blank | 20KBKO04MPX |
| | 3 x 4 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | nickel plated | 20KBKO04MPN |
| | 3 x 5 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | blank | 20KBKO05MPX |
| | 3 x 5 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | nickel plated | 20KBKO05MPN |
| | 4 x 6 mm | 9 | | 34 | 7 | 5 | 10 | | M 8 x 0,5 | blank | 20KBKO06MPX |
| | 4 x 6 mm | 9 | | 34 | 7 | 5 | 10 | | M 8 x 0,5 | nickel plated | 20KBKO06MPN |
|  Panel Mount with Plastic Hose Connection | 3 x 4 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 7 x 0,5 | blank | 20KBKS04MPX |
| | 3 x 4 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 7 x 0,5 | nickel plated | 20KBKS04MPN |
| | 3 x 5 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 7 x 0,5 | blank | 20KBKS05MPX |
| | 3 x 5 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 7 x 0,5 | nickel plated | 20KBKS05MPN |
| | 4 x 6 mm | 12 | 12 | 45 | 7 | 17 | 10 | 3,5 | M 8 x 0,5 | blank | 20KBKS06MPX |
| | 4 x 6 mm | 12 | 12 | 45 | 7 | 17 | 10 | 3,5 | M 8 x 0,5 | nickel plated | 20KBKS06MPN |
|  Panel Mount with Hose Barb | 3 mm | 12 | 11 | 51 | 13 | 17 | 10 | 3 | M 7 x 0,5 | blank | 20KBTS03MPX |
| | 3 mm | 12 | 11 | 51 | 13 | 17 | 10 | 3 | M 7 x 0,5 | nickel plated | 20KBTS03MPN |
| | 4 mm | 12 | 11 | 51 | 13 | 17 | 10 | 3 | M 7 x 0,5 | blank | 20KBTS04MPX |
| | 4 mm | 12 | 11 | 51 | 13 | 17 | 10 | 3 | M 7 x 0,5 | nickel plated | 20KBTS04MPN |

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

# Plugs – with valve

## Series 20KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | M 5 | 9 | | 28 | 5 | | | | | blank | 20SBAM05MPX |
| | M 5 | 9 | | 28 | 5 | | | | | nickel plated | 20SBAM05MPN |
| | G 1/8 | 11 | | 30 | 7 | | | | | blank | 20SBAW10MPX |
| | G 1/8 | 11 | | 30 | 7 | | | | | nickel plated | 20SBAW10MPN |
|  Female Thread | M 5 | 9 | | 26 | 5 | | | | | blank | 20SBIM05MPX |
| | M 5 | 9 | | 26 | 5 | | | | | nickel plated | 20SBIM05MPN |
| | G 1/8 | 12 | | 30 | 7 | | | | | blank | 20SBIW10MPX |
| | G 1/8 | 12 | | 30 | 7 | | | | | nickel plated | 20SBIW10MPN |
|  Hose Barb | 3 mm | 8 | | 36 | 13 | | | | | blank | 20SBTF03MPX |
| | 3 mm | 8 | | 36 | 13 | | | | | nickel plated | 20SBTF03MPN |
| | 4 mm | 8 | | 36 | 13 | | | | | blank | 20SBTF04MPX |
| | 4 mm | 8 | | 36 | 13 | | | | | nickel plated | 20SBTF04MPN |
| | 5 mm | 8 | | 36 | 13 | | | | | blank | 20SBTF05MPX |
| | 5 mm | 8 | | 36 | 13 | | | | | nickel plated | 20SBTF05MPN |
|  with Plastic Hose Connection | 3 x 4 mm | 9 | | 30,5 | 7 | 5 | | | M 7 x 0,5 | blank | 20SBKO04MPX |
| | 3 x 4 mm | 9 | | 30,5 | 7 | 5 | | | M 7 x 0,5 | nickel plated | 20SBKO04MPN |
| | 3 x 5 mm | 9 | | 30,5 | 7 | 5 | | | M 7 x 0,5 | blank | 20SBKO05MPX |
| | 3 x 5 mm | 9 | | 30,5 | 7 | 5 | | | M 7 x 0,5 | nickel plated | 20SBKO05MPN |
| | 4 x 6 mm | 9 | | 30,5 | 7 | 5 | | | M 8 x 0,5 | blank | 20SBKO06MPX |
| | 4 x 6 mm | 9 | | 30,5 | 7 | 5 | | | M 8 x 0,5 | nickel plated | 20SBKO06MPN |
|  Panel Mount with Plastic Hose Connection | 3 x 4 mm | 12 | 11 | 46,5 | 7 | 17 | | 3 | M 7 x 0,5 | blank | 20SBKS04MPX |
| | 3 x 4 mm | 12 | 11 | 46,5 | 7 | 17 | | 3 | M 7 x 0,5 | nickel plated | 20SBKS04MPN |
| | 3 x 5 mm | 12 | 11 | 46,5 | 7 | 17 | | 3 | M 7 x 0,5 | blank | 20SBKS05MPX |
| | 3 x 5 mm | 12 | 11 | 46,5 | 7 | 17 | | 3 | M 7 x 0,5 | nickel plated | 20SBKS05MPN |
| | 4 x 6 mm | 12 | 12 | 46,5 | 7 | 17 | | 3,5 | M 8 x 0,5 | blank | 20SBKS06MPX |
| | 4 x 6 mm | 12 | 12 | 46,5 | 7 | 17 | | 3,5 | M 8 x 0,5 | nickel plated | 20SBKS06MPN |
|  Panel Mount with Hose Barb | 3 mm | 12 | 11 | 52,5 | 13 | 17 | | 3 | M 7 x 0,5 | blank | 20SBTS03MPX |
| | 3 mm | 12 | 11 | 52,5 | 13 | 17 | | 3 | M 7 x 0,5 | nickel plated | 20SBTS03MPN |
| | 4 mm | 12 | 11 | 52,5 | 13 | 17 | | 3 | M 7 x 0,5 | blank | 20SBTS04MPX |
| | 4 mm | 12 | 11 | 52,5 | 13 | 17 | | 3 | M 7 x 0,5 | nickel plated | 20SBTS04MPN |
| | 6 mm | 12 | 12 | 46,5 | 13 | 17 | | 3 | M 10 x 1 | blank | 20SBTS06MPX |
| | 6 mm | 12 | 12 | 46,5 | 13 | 17 | | 3 | M 10 x 1 | nickel plated | 20SBTS06MPN |

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

**Nominal Diameter**

**4** = 12,5 mm²

**Rectus Series**

# 204

**Other designs in series 204**
The following other designs can be found from page:

➤ Stainless Steel P. 190

**Technical Description**
Leak-free coupling system for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive media.
Coupling system with single-hand operation, extremely low leakage rates and minimal dead space volume. Absolutely no air pockets when coupling and only a barely noticeable film of the medium being channelled on the valve bodies when uncoupling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

KL Leak-Free

## Working Pressure**

15 bar
** maximum static working pressure with design factor 4 to 1.

## Material

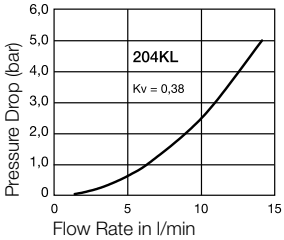
**Coupling:** Brass nickel plated
**Plug:** Brass nickel plated
**Seals:** NBR

## Interchangeability

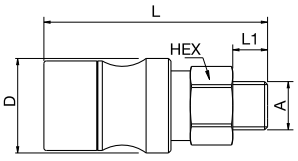
• Rectus Design

## Flow diagrams

**Water**

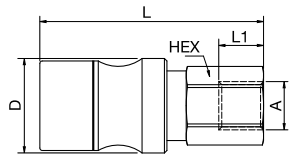


## Couplings – flat-sealing — Series 204KL




Male Thread

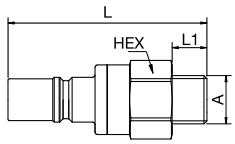
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 45 | 7 | | 19 | | | | 204KLAW10MPN |
| G 1/4 | 17 | | 47 | 9 | | 19 | | | | 204KLAW13MPN |




Female Thread

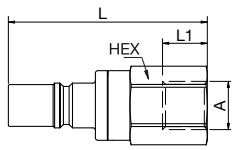
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 45 | 9 | | 19 | | | | 204KLIW10MPN |
| G 1/4 | 17 | | 47 | 9 | | 19 | | | | 204KLIW13MPN |

## Plugs – flat-sealing — Series 204KL




Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 40 | 7 | | | | | | 204SLAW10MPN |
| G 1/4 | 17 | | 42 | 9 | | | | | | 204SLAW13MPN |




Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 40 | 9 | | | | | | 204SLIW10MPN |
| G 1/4 | 17 | | 42 | 7 | | | | | | 204SLIW13MPN |

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

## Nominal Diameter

**5** = 20 mm²

## Rectus Series

**17**

**Technical Description**
Brass/steel industrial coupling with English profile specifically suited to compressed air applications in industry.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. Versatile due to slim design and light weight.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

### KA Single Shut-Off

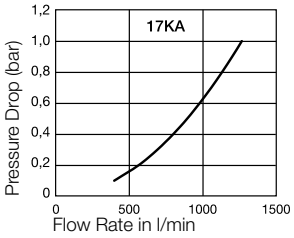
**Working Pressure****
35 bar
** maximum static working pressure with design factor 4 to 1.

**Material**
**Coupling:** Brass nickel plated, Steel zinc plated
**Plug:** Steel nickel plated
**Seals:** NBR

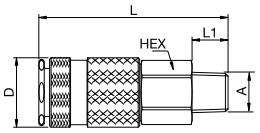
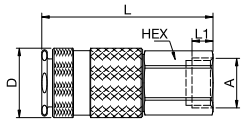
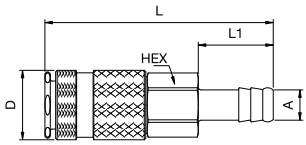
**Interchangeability**
- Schrader DN 5

**Flow diagrams**

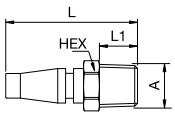
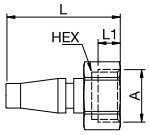
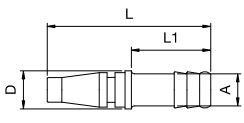
**Air**



## Couplings – with valve — Series 17KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 63 | 12 | | 23 | | | | 17KAAK13SPN |
| | R 3/8 | 19 | | 62 | 12 | | 23 | | | | 17KAAK17SPN |
| | R 1/2 | 22 | | 63 | 17 | | 23 | | | | 17KAAK21SPN |
|  Female Thread | G 1/4 | 19 | | 58 | 9 | | 23 | | | | 17KAIW13SPN |
| | G 3/8 | 19 | | 57 | 9 | | 23 | | | | 17KAIW17SPN |
| | G 1/2 | 24 | | 60 | 12 | | 23 | | | | 17KAIW21SPN |
|  Hose Barb | 6 mm | 19 | | 76 | 25 | | 23 | | | | 17KATF06SPN |
| | 8 mm | 19 | | 76 | 25 | | 23 | | | | 17KATF08SPN |
| | 10 mm | 19 | | 76 | 25 | | 23 | | | | 17KATF10SPN |
| | 13 mm | 19 | | 76 | 25 | | 23 | | | | 17KATF13SPN |

## Plugs – without valve — Series 17KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 11 | | 37 | 9 | | | | | | 17SFAK10SXN |
| | R 1/4 | 14 | | 42 | 12 | | | | | | 17SFAK13SXN |
|  Female Thread | G 1/8 | 14 | | 33 | 7 | | | | | | 17SFIW10SXN |
| | G 1/4 | 17 | | 36 | 9 | | | | | | 17SFIW13SXN |
|  Hose Barb | 6 mm | | | 58 | 25 | | 12 | | | | 17SFTF06SXN |
| | 8 mm | | | 52 | 25 | | 12 | | | | 17SFTF08SXN |
| | 10 mm | | | 52 | 25 | | 12 | | | | 17SFTF10SXN |

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

## Nominal Diameter

**5** = 20 mm²

## Rectus Series

**21**

**Technical Description**
Mini industrial coupling with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media. Coupling system with single-hand operation. Small dimensions and large band width in materials and valve variants.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK16S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

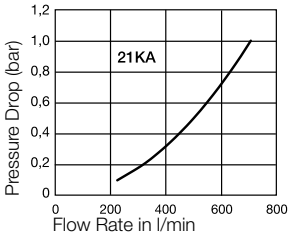
**Other designs in series 21**
The following other designs can be found from page:


- ➤ Stainless Steel P. 192
- ➤ Thermoplastic P. 232
- ➤ Medical Technology (MD) P. 256
- ➤ Safety P. 270
- ➤ Coded Systems P. 298

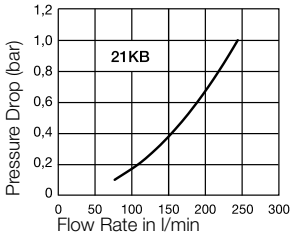

| KA Single Shut-Off | KB Double Shut-Off | KL Leak-Free |
|---|---|---|
| **Working Pressure**** | | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar | 8 bar |
| **Features** | | |
| | | • Minimal, almost imperceptible leakage when uncoupling<br>• No air locked into the system during the coupling process |
| **Material** | | |
| **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR | **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR | **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR |
| **Interchangeability** | | |
| • Rectus 90<br>• Camozzi<br>• Ewo<br>• Kani | | |

**Flow diagrams**

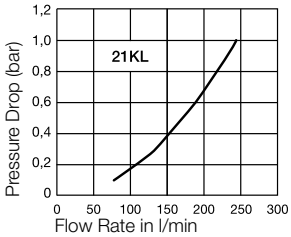
**Air**



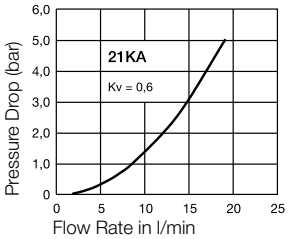

**Air**



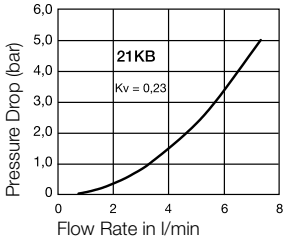

**Air**



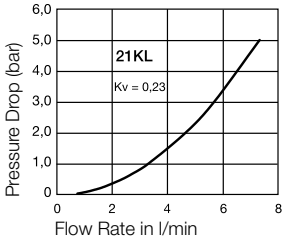

**Water**




**Water**

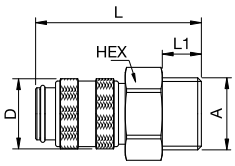
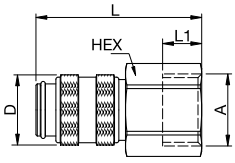
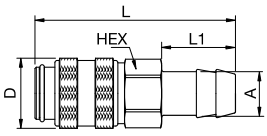
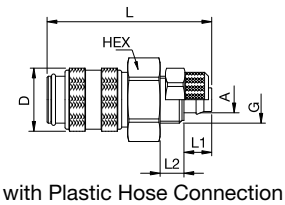



**Water**



# Couplings – with valve

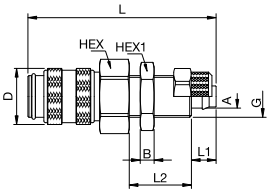
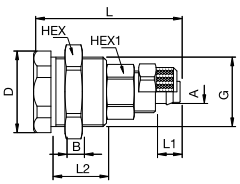
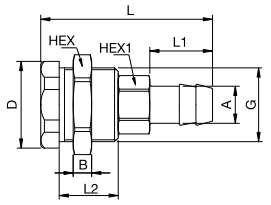
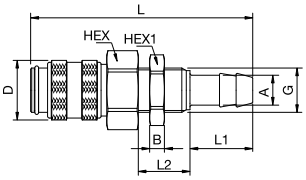
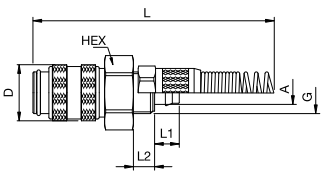


| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 36 | 7 | | 16 | | | blank | 21KAAW10MPX |
| | G 1/8 | 14 | | 36 | 7 | | 16 | | | nickel plated | 21KAAW10MPN |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | blank | 21KAAW13MPX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | nickel plated | 21KAAW13MPN |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | blank | 21KAAW17MPX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | nickel plated | 21KAAW17MPN |
| | M 12 x 1,5 | 17 | | 39 | 10 | | 16 | | | blank | 21KAAD12MPX |
| | M 12 x 1,5 | 17 | | 39 | 10 | | 16 | | | nickel plated | 21KAAD12MPN |
| | M 14 x 1,5 | 17 | | 39 | 10 | | 16 | | | blank | 21KAAD14MPX |
| | M 14 x 1,5 | 17 | | 39 | 10 | | 16 | | | nickel plated | 21KAAD14MPN |
|  Female Thread | G 1/8 | 14 | | 36 | 9 | | 16 | | | blank | 21KAIW10MPX |
| | G 1/8 | 14 | | 36 | 9 | | 16 | | | nickel plated | 21KAIW10MPN |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | blank | 21KAIW13MPX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | nickel plated | 21KAIW13MPN |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | blank | 21KAIW17MPX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | nickel plated | 21KAIW17MPN |
| | M 12 x 1,5 | 17 | | 38 | 6 | | 16 | | | blank | 21KAIM12MPX |
| | M 12 x 1,5 | 17 | | 38 | 6 | | 16 | | | nickel plated | 21KAIM12MPN |
| | M 14 x 1,5 | 17 | | 38 | 6 | | 16 | | | blank | 21KAIM14MPX |
| | M 14 x 1,5 | 17 | | 38 | 6 | | 16 | | | nickel plated | 21KAIM14MPN |
| | | | | | | | | | | | |
| | 4 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KATF04MPX |
| | 4 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KATF04MPN |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KATF06MPX |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KATF06MPN |
|  Hose Barb | 8 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KATF08MPX |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KATF08MPN |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KATF09MPX |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KATF09MPN |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KATF10MPX |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KATF10MPN |
| | 6 mm Parker | 14 | | 50 | 20 | | 16 | | | blank | 21KATP06MPX |
| | 6 mm Parker | 14 | | 50 | 20 | | 16 | | | nickel plated | 21KATP06MPN |
| | | | | | | | | | | | |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | blank | 21KAKO06MPX |
| | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | nickel plated | 21KAKO06MPN |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | blank | 21KAKO08MPX |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | nickel plated | 21KAKO08MPN |
| | | | | | | | | | | | |

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

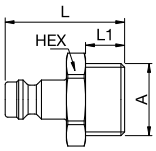
# Couplings – with valve

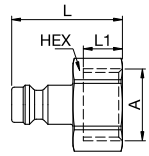
## Series 21KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 14 | 12 | 54 | 7 | 18 | 16 | 3 | M 10 x 1 | blank | 21KAKS06MPX |
| | 4 x 6 mm | 14 | 12 | 54 | 7 | 18 | 16 | 3 | M 10 x 1 | nickel plated | 21KAKS06MPN |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | 16 | 4 | M 12 x 1 | blank | 21KAKS08MPX |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | 16 | 4 | M 12 x 1 | nickel plated | 21KAKS08MPN |
|  Panel Mount for Plastic Hose Connection for Front Panel Installation | 4 x 6 mm | 22 | 24 | 42 | 7 | 16 | 24 | 5 | M 20 x 1 | blank | 21KAKE06MPX |
| | 4 x 6 mm | 22 | 24 | 42 | 7 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KAKE06MPN |
| | 6 x 8 mm | 22 | 24 | 42 | 7 | 16 | 24 | 5 | M 20 x 1 | blank | 21KAKE08MPX |
| | 6 x 8 mm | 22 | 24 | 42 | 7 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KAKE08MPN |
|  Panel Mount for Hose Barb for Front Panel Installation | 4 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | blank | 21KATE04MPX |
| | 4 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KATE04MPN |
| | 6 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | blank | 21KATE06MPX |
| | 6 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KATE06MPN |
| | 8 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | blank | 21KATE08MPX |
| | 8 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KATE08MPN |
| | 9 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | blank | 21KATE09MPX |
| | 9 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KATE09MPN |
| | 10 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | blank | 21KATE10MPX |
| | 10 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KATE10MPN |
|  Panel Mount with Hose Barb | 4 mm | 12 | 12 | 60 | 17 | 14 | 16 | 4 | M 10 x 1 | blank | 21KATS04MPX |
| | 4 mm | 12 | 12 | 60 | 17 | 14 | 16 | 4 | M 10 x 1 | nickel plated | 21KATS04MPN |
| | 5 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KATS05MPX |
| | 5 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KATS05MPN |
| | 6 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KATS06MPX |
| | 6 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KATS06MPN |
| | 8 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KATS08MPX |
| | 8 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KATS08MPN |
| | 9 mm | 17 | 19 | 60 | 17 | 14 | 16 | 4 | M 14 x 1 | blank | 21KATS09MPX |
| | 9 mm | 17 | 19 | 60 | 17 | 14 | 16 | 4 | M 14 x 1 | nickel plated | 21KATS09MPN |
| | 10 mm | 17 | 19 | 60 | 17 | 14 | 16 | 4 | M 14 x 1 | blank | 21KATS10MPX |
| | 10 mm | 17 | 19 | 60 | 17 | 14 | 16 | 4 | M 14 x 1 | nickel plated | 21KATS10MPN |
|  Plastic Hose Connection with Spring Guard | 4 x 6 mm | 14 | | 125 | 7 | 6 | 16 | | M 10 x 1 | blank | 21KAKK06MPX |
| | 4 x 6 mm | 14 | | 125 | 7 | 6 | 16 | | M 10 x 1 | nickel plated | 21KAKK06MPN |
| | 6 x 8 mm | 14 | | 130 | 7 | 6 | 16 | | M 10 x 1 | blank | 21KAKK08MPX |
| | 6 x 8 mm | 14 | | 130 | 7 | 6 | 16 | | M 10 x 1 | nickel plated | 21KAKK08MPN |

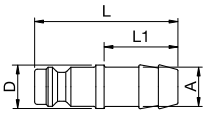
# Plugs – without valve

## Series 21KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 25 | 7 | | | | | blank | 21SFAW10MXX |
| | G 1/8 | 14 | | 25 | 7 | | | | | nickel plated | 21SFAW10MXN |
| | G 1/4 | 17 | | 28 | 9 | | | | | blank | 21SFAW13MXX |
| | G 1/4 | 17 | | 28 | 9 | | | | | nickel plated | 21SFAW13MXN |
| | G 3/8 | 17 | | 28 | 9 | | | | | blank | 21SFAW17MXX |
| | G 3/8 | 17 | | 28 | 9 | | | | | nickel plated | 21SFAW17MXN |
| | M 10 x 1 | 14 | | 26 | 8 | | | | | blank | 21SFAD10MXX |
| | M 10 x 1 | 14 | | 26 | 8 | | | | | nickel plated | 21SFAD10MXN |
| | M 12 x 1,5 | 17 | | 28 | 10 | | | | | blank | 21SFAD12MXX |
| | M 12 x 1,5 | 17 | | 28 | 10 | | | | | nickel plated | 21SFAD12MXN |
| | M 14 x 1,5 | 17 | | 28 | 10 | | | | | blank | 21SFAD14MXX |
| | M 14 x 1,5 | 17 | | 28 | 10 | | | | | nickel plated | 21SFAD14MXN |
| | | | | | | | | | | | |
| | G 1/8 | 14 | | 25 | 8 | | | | | blank | 21SFIW10MXX |
| | G 1/8 | 14 | | 25 | 8 | | | | | nickel plated | 21SFIW10MXN |
| | G 1/4 | 17 | | 25 | 9 | | | | | blank | 21SFIW13MXX |
| | G 1/4 | 17 | | 25 | 9 | | | | | nickel plated | 21SFIW13MXN |
| | G 3/8 | 19 | | 26 | 9 | | | | | blank | 21SFIW17MXX |
| | G 3/8 | 19 | | 26 | 9 | | | | | nickel plated | 21SFIW17MXN |
| | M 10 x 1 | 14 | | 26 | 9 | | | | | blank | 21SFIM10MXX |
| | M 10 x 1 | 14 | | 26 | 9 | | | | | nickel plated | 21SFIM10MXN |
| | M 12 x 1,5 | 17 | | 27 | 10 | | | | | blank | 21SFIM12MXX |
| | M 12 x 1,5 | 17 | | 27 | 10 | | | | | nickel plated | 21SFIM12MXN |
| | M 14 x 1,5 | 17 | | 27 | 10 | | | | | blank | 21SFIM14MXX |
| | M 14 x 1,5 | 17 | | 27 | 10 | | | | | nickel plated | 21SFIM14MXN |
| | | | | | | | | | | | |
| | 4 mm | | | 32 | 17 | | 9 | | | blank | 21SFTF04MXX |
| | 4 mm | | | 32 | 17 | | 9 | | | nickel plated | 21SFTF04MXN |
| | 5 mm | | | 32 | 17 | | 9 | | | blank | 21SFTF05MXX |
| | 5 mm | | | 32 | 17 | | 9 | | | nickel plated | 21SFTF05MXN |
| | 6 mm | | | 32 | 17 | | 9 | | | blank | 21SFTF06MXX |
| | 6 mm | | | 32 | 17 | | 9 | | | nickel plated | 21SFTF06MXN |
| | 8 mm | | | 32 | 17 | | 9 | | | blank | 21SFTF08MXX |
| | 8 mm | | | 32 | 17 | | 9 | | | nickel plated | 21SFTF08MXN |
| | 9 mm | | | 33 | 17 | | 10 | | | blank | 21SFTF09MXX |
| | 9 mm | | | 33 | 17 | | 10 | | | nickel plated | 21SFTF09MXN |
| | 10 mm | | | 33 | 17 | | 12 | | | blank | 21SFTF10MXX |
| | 10 mm | | | 33 | 17 | | 12 | | | nickel plated | 21SFTF10MXN |
| | 6 mm Parker | | | 36 | 20 | | 16 | | | blank | 21SFTP06MXX |
| | 6 mm Parker | | | 36 | 20 | | 16 | | | nickel plated | 21SFTP06MXN |



Female Thread

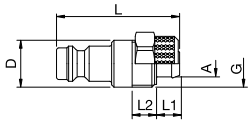
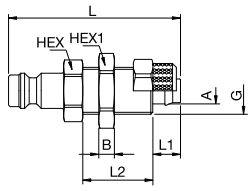
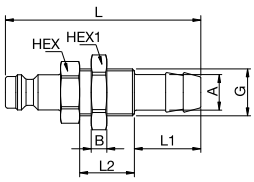
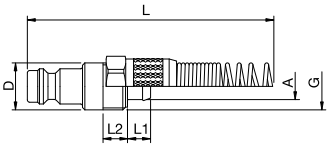


Hose Barb

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

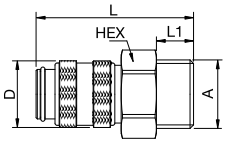
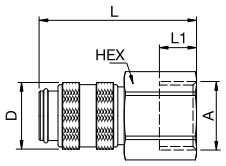
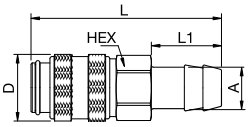
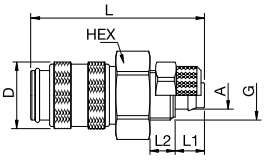
# Plugs – without valve

## Series 21KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  with Plastic Hose Connection | 4 x 6 mm | | | 32 | 6 | 6 | 10 | | M 10 x 1 | blank | 21SFKO06MXX |
| | 4 x 6 mm | | | 32 | 6 | 6 | 10 | | M 10 x 1 | nickel plated | 21SFKO06MXN |
| | 6 x 8 mm | | | 32 | 6 | 6 | 12 | | M 12 x 1 | blank | 21SFKO08MXX |
| | 6 x 8 mm | | | 32 | 6 | 6 | 12 | | M 12 x 1 | nickel plated | 21SFKO08MXN |
| | 8 x 10 mm | 17 | | 36 | 9 | 8 | | | M 16 x 1 | blank | 21SFKO10MXX |
| | 8 x 10 mm | 17 | | 36 | 9 | 8 | | | M 16 x 1 | nickel plated | 21SFKO10MXN |
| | 8 x 12 mm | 17 | | 36 | 9 | 8 | | | M 16 x 1 | blank | 21SFKO12MXXS |
| | 8 x 12 mm | 17 | | 36 | 9 | 8 | | | M 16 x 1 | nickel plated | 21SFKO12MXNS |
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 14 | 12 | 43 | 7 | 18 | | 3 | M 10 x 1 | blank | 21SFKS06MXX |
| | 4 x 6 mm | 14 | 12 | 43 | 7 | 18 | | 3 | M 10 x 1 | nickel plated | 21SFKS06MXN |
| | 6 x 8 mm | 14 | 17 | 44 | 7 | 18 | | 4 | M 12 x 1 | blank | 21SFKS08MXX |
| | 6 x 8 mm | 14 | 17 | 44 | 7 | 18 | | 4 | M 12 x 1 | nickel plated | 21SFKS08MXN |
|  Panel Mount with Hose Barb | 4 mm | 14 | 14 | 50 | 17 | 14 | | 4 | M 10 x 1 | blank | 21SFTS04MXX |
| | 4 mm | 14 | 14 | 50 | 17 | 14 | | 4 | M 10 x 1 | nickel plated | 21SFTS04MXN |
| | 5 mm | 14 | 17 | 50 | 17 | 14 | | 4 | M 12 x 1 | blank | 21SFTS05MXX |
| | 5 mm | 14 | 17 | 50 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 21SFTS05MXN |
| | 6 mm | 14 | 17 | 50 | 17 | 14 | | 4 | M 12 x 1 | blank | 21SFTS06MXX |
| | 6 mm | 14 | 17 | 50 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 21SFTS06MXN |
| | 8 mm | 14 | 17 | 50 | 17 | 14 | | 4 | M 12 x 1 | blank | 21SFTS08MXX |
| | 8 mm | 14 | 17 | 50 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 21SFTS08MXN |
| | 9 mm | 14 | 17 | 50 | 17 | 14 | | 4 | M 12 x 1 | blank | 21SFTS09MXX |
| | 9 mm | 14 | 17 | 50 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 21SFTS09MXN |
| | 10 mm | 17 | 19 | 50 | 17 | 14 | | 4 | M 14 x 1 | blank | 21SFTS10MXX |
| | 10 mm | 17 | 19 | 50 | 17 | 14 | | 4 | M 14 x 1 | nickel plated | 21SFTS10MXN |
|  Plastic Hose Connection with Spring Guard | 4 x 6 mm | | | 115 | 6 | 6 | 10 | | M 10 x 1 | blank | 21SFKK06MXX |
| | 4 x 6 mm | | | 115 | 6 | 6 | 10 | | M 10 x 1 | nickel plated | 21SFKK06MXN |
| | 6 x 8 mm | | | 120 | 6 | 6 | 12 | | M 12 x 1 | blank | 21SFKK08MXX |
| | 6 x 8 mm | | | 120 | 6 | 6 | 12 | | M 12 x 1 | nickel plated | 21SFKK08MXN |

# Couplings – with valve

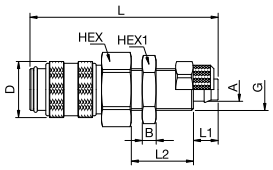
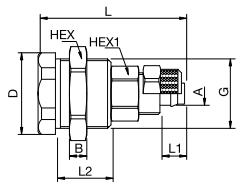
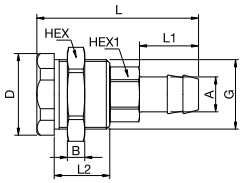
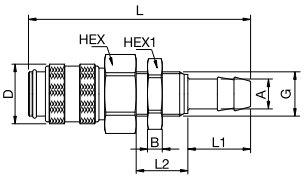
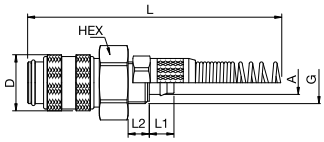
## Series 21KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 36 | 7 | | 16 | | | blank | 21KBAW10MPX |
| | G 1/8 | 14 | | 36 | 7 | | 16 | | | nickel plated | 21KBAW10MPN |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | blank | 21KBAW13MPX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | nickel plated | 21KBAW13MPN |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | blank | 21KBAW17MPX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | nickel plated | 21KBAW17MPN |
| | M 10 x 1 | 14 | | 37 | 8 | | 16 | | | blank | 21KBAD10MPX |
| | M 10 x 1 | 14 | | 37 | 8 | | 16 | | | nickel plated | 21KBAD10MPN |
| | M 12 x 1,5 | 17 | | 39 | 10 | | 16 | | | blank | 21KBAD12MPX |
| | M 12 x 1,5 | 17 | | 39 | 10 | | 16 | | | nickel plated | 21KBAD12MPN |
| | M 14 x 1,5 | 17 | | 39 | 10 | | 16 | | | blank | 21KBAD14MPX |
| | M 14 x 1,5 | 17 | | 39 | 10 | | 16 | | | nickel plated | 21KBAD14MPN |
|  Female Thread | G 1/8 | 14 | | 36 | 9 | | 16 | | | blank | 21KBIW10MPX |
| | G 1/8 | 14 | | 36 | 9 | | 16 | | | nickel plated | 21KBIW10MPN |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | blank | 21KBIW13MPX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | nickel plated | 21KBIW13MPN |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | blank | 21KBIW17MPX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | nickel plated | 21KBIW17MPN |
| | M 12 x 1,5 | 17 | | 38 | 6 | | 16 | | | blank | 21KBIM12MPX |
| | M 12 x 1,5 | 17 | | 38 | 6 | | 16 | | | nickel plated | 21KBIM12MPN |
|  Hose Barb | 4 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KBTF04MPX |
| | 4 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTF04MPN |
| | 5 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KBTF05MPX |
| | 5 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTF05MPN |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KBTF06MPX |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTF06MPN |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KBTF08MPX |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTF08MPN |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KBTF09MPX |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTF09MPN |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KBTF10MPX |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTF10MPN |
| | 6 mm Parker | 14 | | 46 | 17 | | 16 | | | blank | 21KBTP06MPX |
| | 6 mm Parker | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KBTP06MPN |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | blank | 21KBKO06MPX |
| | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | nickel plated | 21KBKO06MPN |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | blank | 21KBKO08MPX |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | nickel plated | 21KBKO08MPN |

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

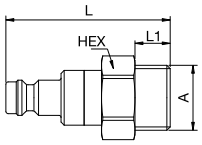
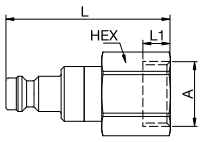
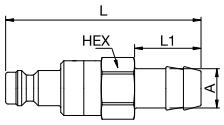
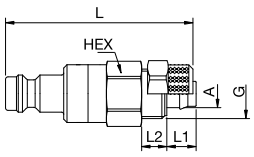
# Couplings – with valve

## Series 21KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 14 | 14 | 54 | 7 | 18 | 16 | 4 | M 10 x 1 | blank | 21KBKS06MPX |
| | 4 x 6 mm | 14 | 14 | 54 | 7 | 18 | 16 | 4 | M 10 x 1 | nickel plated | 21KBKS06MPN |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | 16 | 4 | M 12 x 1 | blank | 21KBKS08MPX |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | 16 | 4 | M 12 x 1 | nickel plated | 21KBKS08MPN |
|  Panel Mount for Plastic Hose Connection for Front Panel Installation | 4 x 6 mm | 22 | 24 | 42 | 7 | 16 | 24 | 5 | M 20 x 1 | blank | 21KBKE06MPX |
| | 4 x 6 mm | 22 | 24 | 42 | 7 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KBKE06MPN |
| | 6 x 8 mm | 22 | 24 | 42 | 7 | 16 | 24 | 5 | M 20 x 1 | blank | 21KBKE08MPX |
| | 6 x 8 mm | 22 | 24 | 42 | 7 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KBKE08MPN |
|  Panel Mount for Hose Barb for Front Panel Installation | 4 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | blank | 21KBTE04MPX |
| | 4 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KBTE04MPN |
| | 6 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | blank | 21KBTE06MPX |
| | 6 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KBTE06MPN |
| | 9 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | blank | 21KBTE09MPX |
| | 9 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KBTE09MPN |
| | 10 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | blank | 21KBTE10MPX |
| | 10 mm | 22 | 24 | 46 | 17 | 16 | 24 | 5 | M 20 x 1 | nickel plated | 21KBTE10MPN |
|  Panel Mount with Hose Barb | 4 mm | 14 | 14 | 60 | 17 | 14 | 16 | 4 | M 10 x 1 | blank | 21KBTS04MPX |
| | 4 mm | 14 | 14 | 60 | 17 | 14 | 16 | 4 | M 10 x 1 | nickel plated | 21KBTS04MPN |
| | 5 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KBTS05MPX |
| | 5 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KBTS05MPN |
| | 6 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KBTS06MPX |
| | 6 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KBTS06MPN |
| | 8 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KBTS08MPX |
| | 8 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KBTS08MPN |
| | 9 mm | 17 | 19 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KBTS09MPX |
| | 9 mm | 17 | 19 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KBTS09MPN |
|  Plastic Hose Connection with Spring Guard | 4 x 6 mm | 14 | | 125 | 7 | 6 | 16 | | M 10 x 1 | blank | 21KBKK06MPX |
| | 4 x 6 mm | 14 | | 125 | 7 | 6 | 16 | | M 10 x 1 | nickel plated | 21KBKK06MPN |
| | 6 x 8 mm | 14 | | 130 | 7 | 6 | 16 | | M 10 x 1 | blank | 21KBKK08MPX |
| | 6 x 8 mm | 14 | | 130 | 7 | 6 | 16 | | M 10 x 1 | nickel plated | 21KBKK08MPN |

# Plugs – with valve

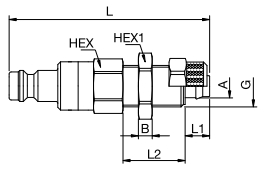
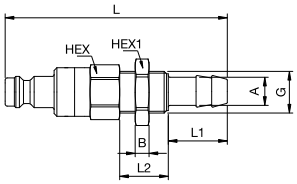
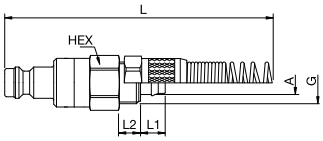
## Series 21KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 40 | 7 | | | | | blank | 21SBAW10MPX |
| | G 1/8 | 14 | | 40 | 7 | | | | | nickel plated | 21SBAW10MPN |
| | G 1/4 | 17 | | 42 | 9 | | | | | blank | 21SBAW13MPX |
| | G 1/4 | 17 | | 42 | 9 | | | | | nickel plated | 21SBAW13MPN |
| | G 3/8 | 19 | | 42 | 9 | | | | | blank | 21SBAW17MPX |
| | G 3/8 | 19 | | 42 | 9 | | | | | nickel plated | 21SBAW17MPN |
| | M 10 x 1 | 14 | | 41 | 8 | | | | | blank | 21SBAD10MPX |
| | M 10 x 1 | 14 | | 41 | 8 | | | | | nickel plated | 21SBAD10MPN |
| | M 12 x 1,5 | 17 | | 43 | 10 | | | | | blank | 21SBAD12MPX |
| | M 12 x 1,5 | 17 | | 43 | 10 | | | | | nickel plated | 21SBAD12MPN |
| | M 14 x 1,5 | 17 | | 43 | 10 | | | | | blank | 21SBAD14MPX |
| | M 14 x 1,5 | 17 | | 43 | 10 | | | | | nickel plated | 21SBAD14MPN |
|  Female Thread | G 1/8 | 14 | | 40 | 7 | | | | | blank | 21SBIW10MPX |
| | G 1/8 | 14 | | 40 | 7 | | | | | nickel plated | 21SBIW10MPN |
| | G 1/4 | 17 | | 42 | 7 | | | | | blank | 21SBIW13MPX |
| | G 1/4 | 17 | | 42 | 7 | | | | | nickel plated | 21SBIW13MPN |
| | G 3/8 | 19 | | 42 | 7 | | | | | blank | 21SBIW17MPX |
| | G 3/8 | 19 | | 42 | 7 | | | | | nickel plated | 21SBIW17MPN |
| | M 12 x 1,5 | 17 | | 42 | 7 | | | | | blank | 21SBIM12MPX |
| | M 12 x 1,5 | 17 | | 42 | 7 | | | | | nickel plated | 21SBIM12MPN |
| | M 14 x 1,5 | 17 | | 42 | 7 | | | | | blank | 21SBIM14MPX |
| | M 14 x 1,5 | 17 | | 42 | 7 | | | | | nickel plated | 21SBIM14MPN |
|  Hose Barb | 4 mm | 14 | | 50 | 17 | | | | | blank | 21SBTF04MPX |
| | 4 mm | 14 | | 50 | 17 | | | | | nickel plated | 21SBTF04MPN |
| | 5 mm | 14 | | 50 | 17 | | | | | blank | 21SBTF05MPX |
| | 5 mm | 14 | | 50 | 17 | | | | | nickel plated | 21SBTF05MPN |
| | 6 mm | 14 | | 50 | 17 | | | | | blank | 21SBTF06MPX |
| | 6 mm | 14 | | 50 | 17 | | | | | nickel plated | 21SBTF06MPN |
| | 8 mm | 14 | | 50 | 17 | | | | | blank | 21SBTF08MPX |
| | 8 mm | 14 | | 50 | 17 | | | | | nickel plated | 21SBTF08MPN |
| | 9 mm | 14 | | 50 | 17 | | | | | blank | 21SBTF09MPX |
| | 9 mm | 14 | | 50 | 17 | | | | | nickel plated | 21SBTF09MPN |
| | 10 mm | 14 | | 50 | 17 | | | | | blank | 21SBTF10MPX |
| | 10 mm | 14 | | 50 | 17 | | | | | nickel plated | 21SBTF10MPN |
| | 6 mm Parker | 14 | | 54 | 20 | | | | | blank | 21SBTP06MPX |
| | 6 mm Parker | 14 | | 54 | 20 | | | | | nickel plated | 21SBTP06MPN |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | | 46 | 7 | 6 | | | M 10 x 1 | blank | 21SBKO06MPX |
| | 4 x 6 mm | 14 | | 46 | 7 | 6 | | | M 10 x 1 | nickel plated | 21SBKO06MPN |
| | 6 x 8 mm | 14 | | 46 | 7 | 6 | | | M 12 x 1 | blank | 21SBKO08MPX |
| | 6 x 8 mm | 14 | | 46 | 7 | 6 | | | M 12 x 1 | nickel plated | 21SBKO08MPN |

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

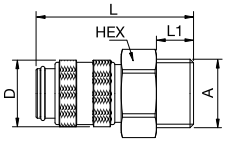
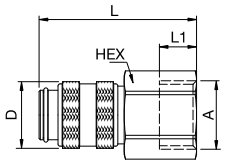
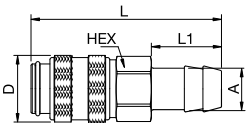
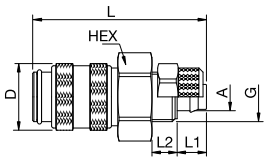
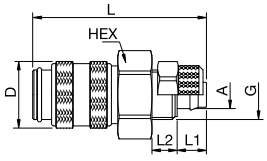
# Plugs – with valve

## Series 21KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 14 | 12 | 58 | 7 | 18 | | 3 | M 10 x 1 | blank | 21SBKS06MPX |
| | 4 x 6 mm | 14 | 12 | 58 | 7 | 18 | | 3 | M 10 x 1 | nickel plated | 21SBKS06MPN |
| | 6 x 8 mm | 17 | 17 | 58 | 7 | 18 | | 4 | M 12 x 1 | blank | 21SBKS08MPX |
| | 6 x 8 mm | 17 | 17 | 58 | 7 | 18 | | 4 | M 12 x 1 | nickel plated | 21SBKS08MPN |
|  Panel Mount with Hose Barb | 4 mm | 14 | 14 | 64 | 17 | 14 | | 4 | M 10 x 1 | blank | 21SBTS04MPX |
| | 4 mm | 14 | 14 | 64 | 17 | 14 | | 4 | M 10 x 1 | nickel plated | 21SBTS04MPN |
| | 6 mm | 14 | 17 | 64 | 17 | 14 | | 4 | M 12 x 1 | blank | 21SBTS06MPX |
| | 6 mm | 14 | 17 | 64 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 21SBTS06MPN |
| | 8 mm | 14 | 17 | 64 | 17 | 14 | | 4 | M 12 x 1 | blank | 21SBTS08MPX |
| | 8 mm | 14 | 17 | 64 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 21SBTS08MPN |
| | 10 mm | 14 | 19 | 64 | 17 | 14 | | 4 | M 14 x 1 | blank | 21SBTS10MPX |
| | 10 mm | 14 | 19 | 64 | 17 | 14 | | 4 | M 14 x 1 | nickel plated | 21SBTS10MPN |
|  Plastic Hose Connection with Spring Guard | 4 x 6 mm | 14 | | 130 | 7 | 6 | | | M 10 x 1 | blank | 21SBKK06MPX |
| | 4 x 6 mm | 14 | | 130 | 7 | 6 | | | M 10 x 1 | nickel plated | 21SBKK06MPN |
| | 6 x 8 mm | 14 | | 135 | 7 | 6 | | | M 12 x 1 | blank | 21SBKK08MPX |
| | 6 x 8 mm | 14 | | 135 | 7 | 6 | | | M 12 x 1 | nickel plated | 21SBKK08MPN |

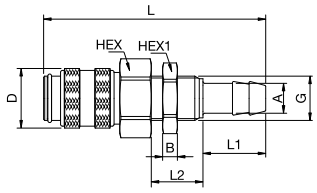
# Couplings – flat-sealing

## Series 21KL

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 36 | 7 | | 16 | | | blank | 21KLAW10MPX |
| | G 1/8 | 14 | | 36 | 7 | | 16 | | | nickel plated | 21KLAW10MPN |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | blank | 21KLAW13MPX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | nickel plated | 21KLAW13MPN |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | blank | 21KLAW17MPX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | nickel plated | 21KLAW17MPN |
|  Female Thread | G 1/8 | 14 | | 36 | 9 | | 16 | | | blank | 21KLIW10MPX |
| | G 1/8 | 14 | | 36 | 9 | | 16 | | | nickel plated | 21KLIW10MPN |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | blank | 21KLIW13MPX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | nickel plated | 21KLIW13MPN |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | blank | 21KLIW17MPX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | nickel plated | 21KLIW17MPN |
| | M 14 x 1,5 | 17 | | 38 | 6 | | 16 | | | blank | 21KLIM14MPX |
| | M 14 x 1,5 | 17 | | 38 | 6 | | 16 | | | nickel plated | 21KLIM14MPN |
|  Hose Barb | 4 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KLTF04MPX |
| | 4 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KLTF04MPN |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KLTF06MPX |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KLTF06MPN |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KLTF08MPX |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KLTF08MPN |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KLTF09MPX |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KLTF09MPN |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | blank | 21KLTF10MPX |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KLTF10MPN |
| | 6 mm Parker | 14 | | 46 | 17 | | 16 | | | blank | 21KLTP06MPX |
| | 6 mm Parker | 14 | | 46 | 17 | | 16 | | | nickel plated | 21KLTP06MPN |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | blank | 21KLKO06MPX |
| | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | nickel plated | 21KLKO06MPN |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | blank | 21KLKO08MPX |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | nickel plated | 21KLKO08MPN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 14 | 14 | 54 | 7 | 18 | 16 | | M 10 x 1 | blank | 21KLKS06MPX |
| | 4 x 6 mm | 14 | 14 | 54 | 7 | 18 | 16 | | M 10 x 1 | nickel plated | 21KLKS06MPN |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | 16 | | M 12 x 1 | blank | 21KLKS08MPX |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | 16 | | M 12 x 1 | nickel plated | 21KLKS08MPN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

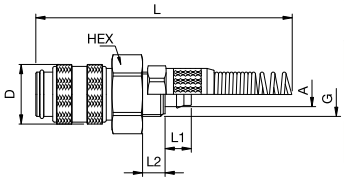
⚠ Please consider our security advices on the pages 12/13 ⚠

## Couplings – flat-sealing — Series 21KL




Panel Mount with Hose Barb

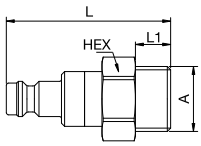
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 mm | 14 | 14 | 60 | 17 | 14 | 16 | 4 | M 10 x 1 | blank | 21KLTS04MPX |
| 4 mm | 14 | 14 | 60 | 17 | 14 | 16 | 4 | M 10 x 1 | nickel plated | 21KLTS04MPN |
| 5 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KLTS05MPX |
| 5 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KLTS05MPN |
| 6 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KLTS06MPX |
| 6 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KLTS06MPN |
| 8 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | blank | 21KLTS08MPX |
| 8 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | nickel plated | 21KLTS08MPN |




Plastic Hose Connection with Spring Guard

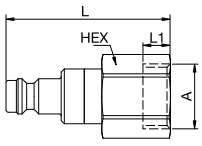
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 x 6 mm | 14 | | 125 | 7 | 6 | 16 | | M 10 x 1 | blank | 21KLKK06MPX |
| 4 x 6 mm | 14 | | 125 | 7 | 6 | 16 | | M 10 x 1 | nickel plated | 21KLKK06MPN |
| 6 x 8 mm | 14 | | 130 | 7 | 6 | 16 | | M 10 x 1 | blank | 21KLKK08MPX |
| 6 x 8 mm | 14 | | 130 | 7 | 6 | 16 | | M 10 x 1 | nickel plated | 21KLKK08MPN |

## Plugs – flat-sealing — Series 21KL




Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 40 | 7 | | | | | blank | 21SLAW10MPX |
| G 1/8 | 14 | | 40 | 7 | | | | | nickel plated | 21SLAW10MPN |
| G 1/4 | 17 | | 42 | 9 | | | | | blank | 21SLAW13MPX |
| G 1/4 | 17 | | 42 | 9 | | | | | nickel plated | 21SLAW13MPN |
| M 12 x 1,5 | 17 | | 43 | 10 | | | | | blank | 21SLAD12MPX |
| M 12 x 1,5 | 17 | | 43 | 10 | | | | | nickel plated | 21SLAD12MPN |

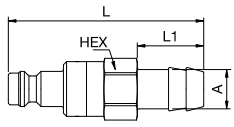
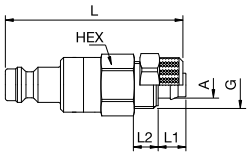
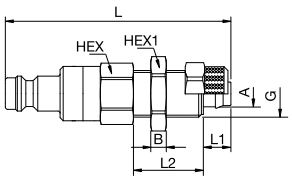
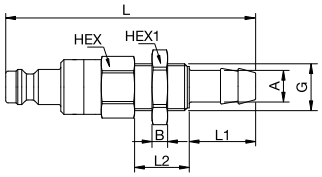
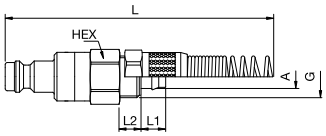



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 40 | 7 | | | | | blank | 21SLIW10MPX |
| G 1/8 | 14 | | 40 | 7 | | | | | nickel plated | 21SLIW10MPN |
| G 1/4 | 17 | | 42 | 7 | | | | | blank | 21SLIW13MPX |
| G 1/4 | 17 | | 42 | 7 | | | | | nickel plated | 21SLIW13MPN |
| G 3/8 | 19 | | 42 | 7 | | | | | blank | 21SLIW17MPX |
| G 3/8 | 19 | | 42 | 7 | | | | | nickel plated | 21SLIW17MPN |
| M 12 x 1,5 | 17 | | 42 | 7 | | | | | blank | 21SLIM12MPX |
| M 12 x 1,5 | 17 | | 42 | 7 | | | | | nickel plated | 21SLIM12MPN |
| M 14 x 1,5 | 17 | | 42 | 7 | | | | | blank | 21SLIM14MPX |
| M 14 x 1,5 | 17 | | 42 | 7 | | | | | nickel plated | 21SLIM14MPN |

# Plugs – flat-sealing

## Series 21KL

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Hose Barb | 4 mm | 14 | | 50 | 17 | | | | | blank | 21SLTF04MPX |
| | 4 mm | 14 | | 50 | 17 | | | | | nickel plated | 21SLTF04MPN |
| | 6 mm | 14 | | 50 | 17 | | | | | blank | 21SLTF06MPX |
| | 6 mm | 14 | | 50 | 17 | | | | | nickel plated | 21SLTF06MPN |
| | 8 mm | 14 | | 50 | 17 | | | | | blank | 21SLTF08MPX |
| | 8 mm | 14 | | 50 | 17 | | | | | nickel plated | 21SLTF08MPN |
| | 9 mm | 14 | | 50 | 17 | | | | | blank | 21SLTF09MPX |
| | 9 mm | 14 | | 50 | 17 | | | | | nickel plated | 21SLTF09MPN |
| | 10 mm | 14 | | 50 | 17 | | | | | blank | 21SLTF10MPX |
| | 10 mm | 14 | | 50 | 17 | | | | | nickel plated | 21SLTF10MPN |
| | 6 mm Parker | 14 | | 54 | 20 | | | | | blank | 21SLTP06MPX |
| | 6 mm Parker | 14 | | 54 | 20 | | | | | nickel plated | 21SLTP06MPN |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | | 46 | 7 | 6 | | | M 10 x 1 | blank | 21SLKO06MPX |
| | 4 x 6 mm | 14 | | 46 | 7 | 6 | | | M 10 x 1 | nickel plated | 21SLKO06MPN |
| | 6 x 8 mm | 14 | | 46 | 7 | 6 | | | M 12 x 1 | blank | 21SLKO08MPX |
| | 6 x 8 mm | 14 | | 46 | 7 | 6 | | | M 12 x 1 | nickel plated | 21SLKO08MPN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Panel Mount with Plastic Hose Connection | 6 x 8 mm | 14 | 17 | 58 | 7 | 18 | | 4 | M 12 x 1 | blank | 21SLKS08MPX |
| | 6 x 8 mm | 14 | 17 | 58 | 7 | 18 | | 4 | M 12 x 1 | nickel plated | 21SLKS08MPN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Panel Mount with Hose Barb | 4 mm | 14 | 14 | 64 | 17 | 14 | | 4 | M 10 x 1 | blank | 21SLTS04MPX |
| | 4 mm | 14 | 14 | 64 | 17 | 14 | | 4 | M 10 x 1 | nickel plated | 21SLTS04MPN |
| | 5 mm | 14 | 14 | 64 | 17 | 14 | | 4 | M 12 x 1 | blank | 21SLTS05MPX |
| | 5 mm | 14 | 14 | 64 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 21SLTS05MPN |
| | 6 mm | 14 | 17 | 64 | 17 | 14 | | 4 | M 12 x 1 | blank | 21SLTS06MPX |
| | 6 mm | 14 | 17 | 64 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 21SLTS06MPN |
| | 10 mm | 14 | 19 | 64 | 17 | 14 | | 4 | M 14 x 1 | blank | 21SLTS10MPX |
| | 10 mm | 14 | 19 | 64 | 17 | 14 | | 4 | M 14 x 1 | nickel plated | 21SLTS10MPN |
|  Plastic Hose Connection with Spring Guard | 4 x 6 mm | 14 | | 130 | 7 | 6 | | | M 10 x 1 | blank | 21SLKK06MPX |
| | 4 x 6 mm | 14 | | 130 | 7 | 6 | | | M 10 x 1 | nickel plated | 21SLKK06MPN |
| | 6 x 8 mm | 14 | | 135 | 7 | 6 | | | M 12 x 1 | blank | 21SLKK08MPX |
| | 6 x 8 mm | 14 | | 135 | 7 | 6 | | | M 12 x 1 | nickel plated | 21SLKK08MPN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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

**Nominal Diameter**

# 5,5 = 24 mm²

**Tema Series**

# 1100

energy saver

**Technical Description**
Robust design with small dimensions. Series 1100 is used mainly for applications in the area of compressed air and liquids. Optimally suited to smaller pneumatic systems and to compressed air tools with a consumption of up to 900 litres per minute. Coupling systems with two-hand operation, i.e. both hands are required when connect/disconnect.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. 2315-QC
for Plug Part.-No. 125-QC

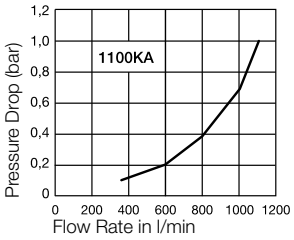
**Working Temperature***
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

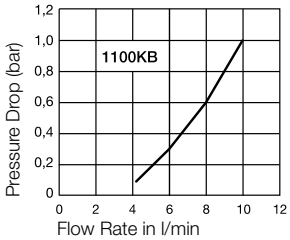
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 30 bar<br>** maximum static working pressure with design factor 4 to 1. | 20 bar |
| **Material** | |
| **Coupling:** Brass nickel plated and chrome plated<br>**Plug:** Steel zinc plated<br>**Seals:** NBR | **Coupling:** Brass nickel plated and chrome plated<br>**Plug:** Brass nickel plated and chrome plated<br>**Seals:** NBR |
| **Interchangeability** | |
| • Tema Design | |

**Flow diagrams**

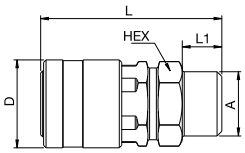
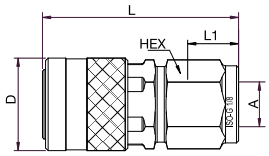
**Air**



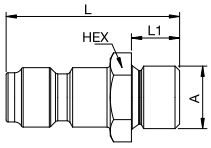
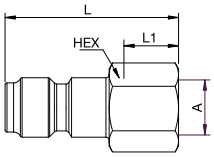
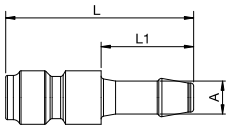

**Water**



## Couplings – with valve — Series 1100KA

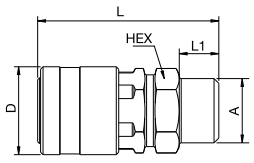
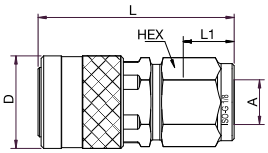
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 15 | | 37 | 8 | | 18 | | | | 1100KAAW13MPC |
|  Female Thread | G 1/8 | 15 | | 38 | 8 | | 18 | | | | 1100KAIW10MPC |

## Plugs – without valve — Series 1100KA

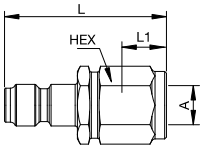
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 12 | | 27 | 7,5 | | | | | | 1100SFAW10SXZ |
|  Female Thread | G 1/8 | 12 | | 27 | 7 | | | | | | 1100SFIW10SXZ |
|  Hose Barb | 5 mm | | | 33 | 16 | | | | | | 1100SFTF05SXZ |
| | 6 mm | | | 33 | 16 | | | | | | 1100SFTF06SXZ |

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

## Couplings – with valve — Series 1100KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 15 | | 38 | 8 | | 18 | | | | 1100KBAW13MPC |
|  Female Thread | G 1/8 | 15 | | 37 | 8 | | 18 | | | | 1100KBIW10MPC |

## Plugs – with valve — Series 1100KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | G 1/8 | 15 | | 36 | 8 | | | | | | 1100SBIW10MPC |

# Cross-Reference-List

| Connection | Thread | Rectus Part Number old | Tema Part Number old | Part Number new | Page |
|---|---|---|---|---|---|
| **Couplings – with valve** | | | | | |
| Male Thread | G 1/4 | - | 1100 A | **1100KAAW13MPC** | 43 |
| Female Thread | G 1/8 | - | 1100 | **1100KAIW10MPC** | 43 |
| **Plugs – without valve** | | | | | |
| Male Thread | G 1/8 | - | 11110-QC | **1100SFAW10SXZ** | 43 |
| Female Thread | G 1/8 | - | 11410 | **1100SFIW10SXZ** | 43 |
| Hose Barb | 5 mm | - | 11005-QC | **1100SFTF05SXZ** | 43 |
| | 6 mm | - | 11006-QC | **1100SFTF06SXZ** | 43 |
| **Couplings – with valve** | | | | | |
| Male Thread | G 1/4 | - | 1100 NA | **1100KBAW13MPC** | 44 |
| Female Thread | G 1/8 | - | 1100 N | **1100KBIW10MPC** | 44 |
| **Plugs – with valve** | | | | | |
| Female Thread | G 1/8 | - | 11410 MN | **1100SBIW10MPC** | 44 |

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

**Nominal Diameter**

# 5,5 = 25 mm²

**Rectus Series**

# 14

**Technical Description**
Robust brass coupling with numerous connection options. Preferred application is the compressed air technology. Also particularly suited to use with water due to the brass valve.
Coupling system with single-hand operation. Plug design optimised through greater insert depth.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Other designs in series 14**
The following other designs can be found from page:

➤ Safety Self-Venting P. 284

## KA Single Shut-Off

### Working Pressure**

35 bar
** maximum static working pressure with design factor 4 to 1.

### Material

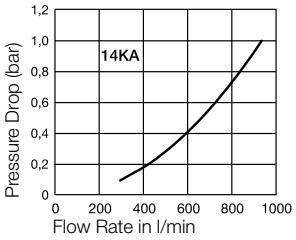
**Coupling:** Brass
**Plug:** Steel nickel plated or Brass
**Seals:** NBR

### Interchangeability

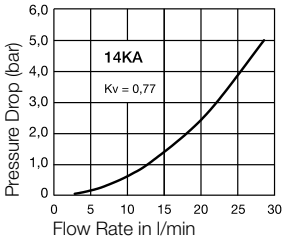
- Rectus 22
- ARO 210
- Cejn 300
- Orion 44510
- JWL 552 + JWL 532
- various Swiss Products

### Flow diagrams

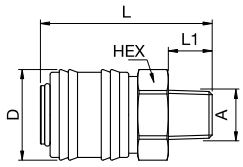
**Air**




**Water**

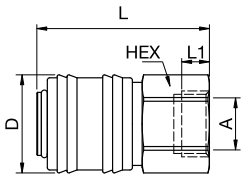


## Couplings – with valve — Series 14KA



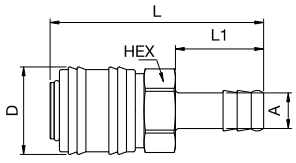
Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 22 | | 43 | 9 | | 25 | | | blank | 14KAAW13MPX |
| G 1/4 | 22 | | 43 | 9 | | 25 | | | nickel plated | 14KAAW13MPN |
| G 3/8 | 22 | | 43 | 9 | | 25 | | | blank | 14KAAW17MPX |
| G 3/8 | 22 | | 43 | 9 | | 25 | | | nickel plated | 14KAAW17MPN |
| G 1/2 | 22 | | 46 | 12 | | 25 | | | blank | 14KAAW21MPX |
| G 1/2 | 22 | | 46 | 12 | | 25 | | | nickel plated | 14KAAW21MPN |



Female Thread

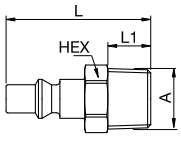
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 22 | | 43 | 9 | | 25 | | | blank | 14KAIW13MPX |
| G 1/4 | 22 | | 43 | 9 | | 25 | | | nickel plated | 14KAIW13MPN |
| G 3/8 | 22 | | 43 | 9 | | 25 | | | blank | 14KAIW17MPX |
| G 3/8 | 22 | | 43 | 9 | | 25 | | | nickel plated | 14KAIW17MPN |
| G 1/2 | 24 | | 46 | 12 | | 25 | | | blank | 14KAIW21MPX |
| G 1/2 | 24 | | 46 | 12 | | 25 | | | nickel plated | 14KAIW21MPN |



Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | 21 | | 60 | 25 | | 25 | | | blank | 14KATF06MPX |
| 6 mm | 21 | | 60 | 25 | | 25 | | | nickel plated | 14KATF06MPN |
| 8 mm | 21 | | 60 | 25 | | 25 | | | blank | 14KATF08MPX |
| 8 mm | 21 | | 60 | 25 | | 25 | | | nickel plated | 14KATF08MPN |
| 9 mm | 21 | | 60 | 25 | | 25 | | | blank | 14KATF09MPX |
| 9 mm | 21 | | 60 | 25 | | 25 | | | nickel plated | 14KATF09MPN |
| 10 mm | 21 | | 60 | 25 | | 25 | | | blank | 14KATF10MPX |
| 10 mm | 21 | | 60 | 25 | | 25 | | | nickel plated | 14KATF10MPN |
| 13 mm | 21 | | 60 | 25 | | 25 | | | blank | 14KATF13MPX |
| 13 mm | 21 | | 60 | 25 | | 25 | | | nickel plated | 14KATF13MPN |

## Plugs – without valve — Series 22SF



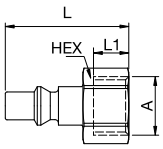
Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| R 1/8 | 12 | | 35 | 9 | | | | | Steel | 22SFAK10SXN |
| R 1/4 | 14 | | 41 | 12 | | | | | Steel | 22SFAK13SXN |
| R 1/4 | 14 | | 41 | 12 | | | | | Brass | 22SFAK13MXX |
| R 1/4 | 14 | | 41 | 12 | | | | | Brass, nickel pl. | 22SFAK13MXN |
| G 1/4 | 14 | | 41 | 12 | | | | | Brass | 22SFAW13MXX |
| R 3/8 | 17 | | 41 | 12 | | | | | Steel | 22SFAK17SXN |
| G 3/8 | 17 | | 41 | 12 | | | | | Brass | 22SFAW17MXX |
| R 1/2 | 22 | | 46 | 17 | | | | | Steel | 22SFAK21SXN |
| G 1/2 | 22 | | 46 | 17 | | | | | Brass | 22SFAW21MXX |

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

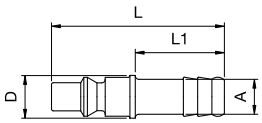
# Plugs – without valve

## Series 22SF




Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 17 | | 35 | 9 | | | | | Steel | 22SFIW13SXN |
| G 1/4 | 17 | | 35 | 9 | | | | | Brass | 22SFIW13MXX |
| G 1/4 | 17 | | 35 | 9 | | | | | Brass, nickel pl. | 22SFIW13MXN |
| G 3/8 | 19 | | 35 | 10 | | | | | Steel | 22SFIW17SXN |
| G 3/8 | 19 | | 35 | 10 | | | | | Brass | 22SFIW17MXX |
| G 3/8 | 19 | | 35 | 10 | | | | | Brass, nickel pl. | 22SFIW17MXN |
| G 1/2 | 24 | | 35 | 12 | | | | | Steel | 22SFIW21SXN |




Hose Barb

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | | | 49 | 25 | | 12 | | | Steel | 22SFTF06SXN |
| 6 mm | | | 49 | 25 | | 12 | | | Brass | 22SFTF06MXX |
| 6 mm | | | 49 | 25 | | 12 | | | Brass, nickel pl. | 22SFTF06MXN |
| 8 mm | | | 49 | 25 | | 12 | | | Steel | 22SFTF08SXN |
| 8 mm | | | 49 | 25 | | 12 | | | Brass | 22SFTF08MXX |
| 8 mm | | | 49 | 25 | | 12 | | | Brass, nickel pl. | 22SFTF08MXN |
| 9 mm | | | 49 | 25 | | 12 | | | Steel | 22SFTF09SXN |
| 10 mm | | | 49 | 25 | | 12 | | | Steel | 22SFTF10SXN |
| 10 mm | | | 49 | 25 | | 12 | | | Brass | 22SFTF10MXX |
| 10 mm | | | 49 | 25 | | 12 | | | Brass, nickel pl. | 22SFTF10MXN |
| 13 mm | | | 49 | 25 | | 15 | | | Steel | 22SFTF13SXN |
| 13 mm | | | 49 | 25 | | 15 | | | Brass | 22SFTF13MXX |
| 13 mm | | | 49 | 25 | | 15 | | | Brass, nickel pl. | 22SFTF13MXN |

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

**Nominal Diameter**

# 5,5 = 25 mm²

**Rectus Series**

# 18

**Technical Description**
Robust industrial coupling according to ISO 6150 C. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. The steel sleeve counters oscillating forces. System has limited use for liquids (steel sleeve/zinc die cast valve). The high insertion depth is guaranteed by an optimised plug guide.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Other designs in series 18**
The following other designs can be found from page:

➤ Safety Self-Venting P. 286

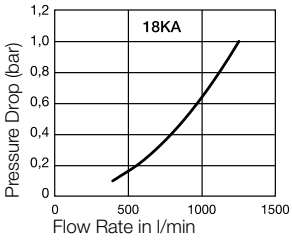
## KA Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

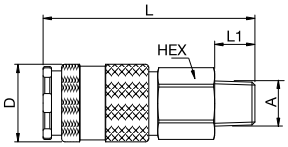
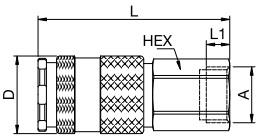
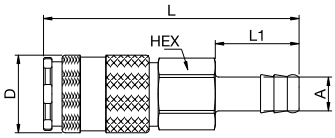
### Material
**Coupling:** Brass / Steel nickel plated
**Plug:** Steel nickel plated
**Seals:** NBR

### Interchangeability
- Cejn 291
- Oetiker
- ISO 6150 C

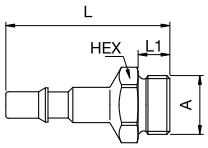
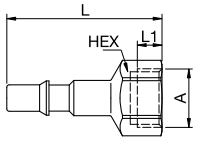
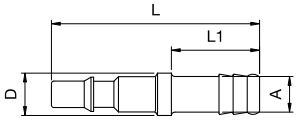
### Flow diagrams
**Air**



## Couplings – with valve — Series 18KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 63 | 12 | | 23 | | | | 18KAAK13MPN |
| | R 3/8 | 19 | | 62 | 12 | | 23 | | | | 18KAAK17MPN |
| | R 1/2 | 22 | | 63 | 17 | | 23 | | | | 18KAAK21MPN |
|  Female Thread | G 1/4 | 19 | | 58 | 9 | | 23 | | | | 18KAIW13MPN |
| | G 3/8 | 19 | | 57 | 9 | | 23 | | | | 18KAIW17MPN |
| | G 1/2 | 24 | | 60 | 12 | | 23 | | | | 18KAIW21MPN |
|  Hose Barb | 6 mm | 19 | | 76 | 25 | | 23 | | | | 18KATF06MPN |
| | 8 mm | 19 | | 76 | 25 | | 23 | | | | 18KATF08MPN |
| | 10 mm | 19 | | 76 | 25 | | 23 | | | | 18KATF10MPN |
| | 13 mm | 19 | | 76 | 25 | | 23 | | | | 18KATF13MPN |

## Plugs – without valve — Series 18KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 17 | | 41 | 9 | | | | | | 18SFAW13SXN |
| | G 3/8 | 19 | | 41 | 9 | | | | | | 18SFAW17SXN |
|  Female Thread | G 1/4 | 17 | | 43 | 9 | | | | | | 18SFIW13SXN |
| | G 3/8 | 19 | | 44 | 9 | | | | | | 18SFIW17SXN |
|  Hose Barb | 6 mm | | | 59 | 25 | | 12 | | | | 18SFTF06SXN |
| | 8 mm | | | 59 | 25 | | 12 | | | | 18SFTF08SXN |
| | 9 mm | | | 59 | 25 | | 12 | | | | 18SFTF09SXN |
| | 10 mm | | | 59 | 25 | | 12 | | | | 18SFTF10SXN |
| | 13 mm | | | 59 | 25 | | 16 | | | | 18SFTF13SXN |

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

## Nominal Diameter
# 5,5 = 25 mm²

## Rectus Series
# 19

**Technical Description**
English industrial profile.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. Robust coupling in slim design mainly for pneumatic applications. The steel sleeve counters oscillating forces. The high insertion depth is guaranteed by an optimised plug guide.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

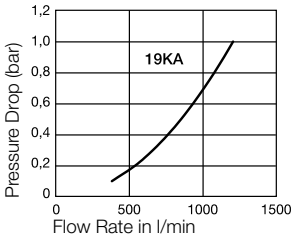
## KA Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

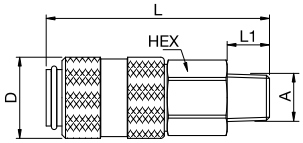
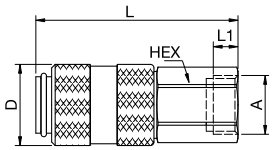
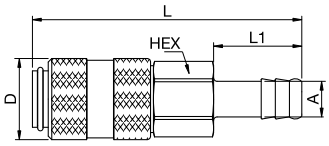
### Material
**Coupling:** Brass / Steel nickel plated
**Plug:** Steel nickel plated
**Seals:** NBR

### Interchangeability
- PCL 60 (UK)

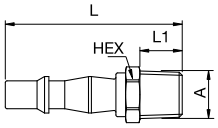
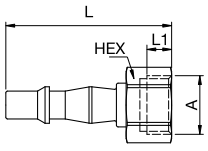
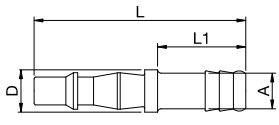
### Flow diagrams
**Air**



## Couplings – with valve — Series 19KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 63 | 12 | | 23 | | | | 19KAAK13MPN |
| | R 3/8 | 19 | | 62 | 12 | | 23 | | | | 19KAAK17MPN |
| | R 1/2 | 22 | | 68 | 17 | | 23 | | | | 19KAAK21MPN |
|  Female Thread | G 1/4 | 19 | | 58 | 9 | | 23 | | | | 19KAIW13MPN |
| | G 3/8 | 19 | | 58 | 9 | | 23 | | | | 19KAIW17MPN |
| | G 1/2 | 24 | | 60 | 12 | | 23 | | | | 19KAIW21MPN |
|  Hose Barb | 6 mm | 19 | | 76 | 25 | | 23 | | | | 19KATF06MPN |
| | 8 mm | 19 | | 76 | 25 | | 23 | | | | 19KATF08MPN |
| | 10 mm | 19 | | 76 | 25 | | 23 | | | | 19KATF10MPN |
| | 13 mm | 19 | | 76 | 25 | | 23 | | | | 19KATF13MPN |

## Plugs – without valve — Series 19KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 14 | | 50 | 12 | | | | | | 19SFAK13SXN |
| | R 3/8 | 17 | | 50 | 12 | | | | | | 19SFAK17SXN |
|  Female Thread | G 1/4 | 17 | | 46 | 9 | | | | | | 19SFIW13SXN |
| | G 3/8 | 19 | | 47 | 9 | | | | | | 19SFIW17SXN |
|  Hose Barb | 6 mm | | | 60 | 25 | | 12 | | | | 19SFTF06SXN |
| | 8 mm | | | 60 | 25 | | 12 | | | | 19SFTF08SXN |
| | 10 mm | | | 60 | 25 | | 12 | | | | 19SFTF10SXN |

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

**Nominal Diameter**

# 5,5 = 25 mm²

**Rectus Series**

# 22

**Technical Description**
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. Specially suited to use with gaseous media in industry. The steel sleeve counters oscillating forces. The high insertion depth is guaranteed by an optimised plug guide.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

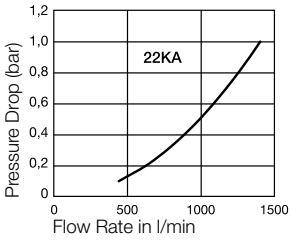
## KA Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

### Material
**Coupling:** Brass / Steel nickel plated
**Plug:** Steel nickel plated or Brass
**Seals:** NBR

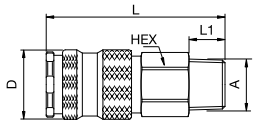
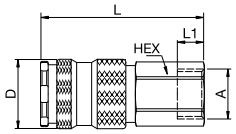
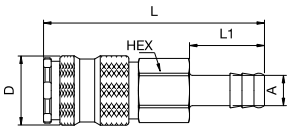
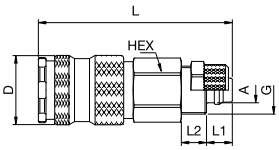
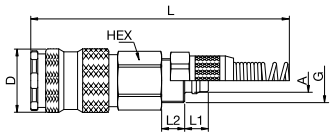
### Interchangeability
- Rectus 14
- ARO 210
- Parker 50
- Cejn 300
- Orion 44510
- JWL 522 + JWL 532
- various Swiss Products

### Flow diagrams
**Air**



# Couplings – with valve

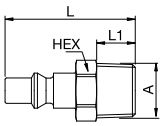
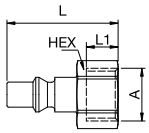
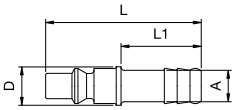
## Series 22KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 61 | 12 | | 23 | | | | 22KAAK13MPN |
| | R 3/8 | 19 | | 60 | 12 | | 23 | | | | 22KAAK17MPN |
| | R 1/2 | 22 | | 61 | 17 | | 23 | | | | 22KAAK21MPN |
|  Female Thread | G 1/4 | 19 | | 56 | 9 | | 23 | | | | 22KAIW13MPN |
| | G 3/8 | 19 | | 55 | 9 | | 23 | | | | 22KAIW17MPN |
| | G 1/2 | 24 | | 58 | 9 | | 23 | | | | 22KAIW21MPN |
|  Hose Barb | 6 mm | 19 | | 74 | 25 | | 23 | | | | 22KATF06MPN |
| | 8 mm | 19 | | 74 | 25 | | 23 | | | | 22KATF08MPN |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | | 22KATF09MPN |
| | 10 mm | 19 | | 74 | 25 | | 23 | | | | 22KATF10MPN |
| | 13 mm | 19 | | 74 | 25 | | 23 | | | | 22KATF13MPN |
|  with Plastic Hose Connection | 6 x 8 mm | 19 | | 61 | 7 | 6 | 23 | | M 12 x 1 | | 22KAKO08MPN |
| | 8 x 10 mm | 19 | | 65 | 9 | 8 | 23 | | M 16 x 1 | | 22KAKO10MPN |
|  Plastic Hose Connection with Spring Guard | 6 x 8 mm | 19 | | 126 | 7 | 6 | 23 | | M 12 x 1 | | 22KAKK08MPN |

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

# Plugs – without valve

## Series 22SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 12 | | 35 | 9 | | | | | Steel | 22SFAK10SXN |
| | R 1/4 | 14 | | 41 | 12 | | | | | Steel | 22SFAK13SXN |
| | R 1/4 | 14 | | 41 | 12 | | | | | Brass | 22SFAK13MXX |
| | R 1/4 | 14 | | 41 | 12 | | | | | Brass, nickel pl. | 22SFAK13MXN |
| | G 1/4 | 14 | | 41 | 12 | | | | | Brass | 22SFAW13MXX |
| | R 3/8 | 17 | | 41 | 12 | | | | | Steel | 22SFAK17SXN |
| | G 3/8 | 17 | | 41 | 12 | | | | | Brass | 22SFAW17MXX |
| | R 1/2 | 22 | | 46 | 17 | | | | | Steel | 22SFAK21SXN |
| | G 1/2 | 22 | | 46 | 17 | | | | | Brass | 22SFAW21MXX |
|  Female Thread | G 1/4 | 17 | | 35 | 9 | | | | | Steel | 22SFIW13SXN |
| | G 1/4 | 17 | | 35 | 9 | | | | | Brass | 22SFIW13MXX |
| | G 1/4 | 17 | | 35 | 9 | | | | | Brass, nickel pl. | 22SFIW13MXN |
| | G 3/8 | 19 | | 35 | 10 | | | | | Steel | 22SFIW17SXN |
| | G 3/8 | 19 | | 35 | 10 | | | | | Brass | 22SFIW17MXX |
| | G 3/8 | 19 | | 35 | 10 | | | | | Brass, nickel pl. | 22SFIW17MXN |
| | G 1/2 | 24 | | 35 | 12 | | | | | Steel | 22SFIW21SXN |
|  Hose Barb | 6 mm | | | 49 | 25 | | 12 | | | Steel | 22SFTF06SXN |
| | 6 mm | | | 49 | 25 | | 12 | | | Brass | 22SFTF06MXX |
| | 6 mm | | | 49 | 25 | | 12 | | | Brass, nickel pl. | 22SFTF06MXN |
| | 8 mm | | | 49 | 25 | | 12 | | | Steel | 22SFTF08SXN |
| | 8 mm | | | 49 | 25 | | 12 | | | Brass | 22SFTF08MXX |
| | 8 mm | | | 49 | 25 | | 12 | | | Brass, nickel pl. | 22SFTF08MXN |
| | 9 mm | | | 49 | 25 | | 12 | | | Steel | 22SFTF09SXN |
| | 10 mm | | | 49 | 25 | | 12 | | | Steel | 22SFTF10SXN |
| | 10 mm | | | 49 | 25 | | 12 | | | Brass | 22SFTF10MXX |
| | 10 mm | | | 49 | 25 | | 12 | | | Brass, nickel pl. | 22SFTF10MXN |
| | 13 mm | | | 49 | 25 | | 15 | | | Steel | 22SFTF13SXN |
| | 13 mm | | | 49 | 25 | | 15 | | | Brass | 22SFTF13MXX |
| | 13 mm | | | 49 | 25 | | 15 | | | Brass, nickel pl. | 22SFTF13MXN |

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

**Nominal Diameter**

# 5,5 = 25 mm²

**Rectus Series**

# 23

**Technical Description**
1/4" industrial coupling according to ISO 6150 B and US MIL-SPEC 4109. Especially suitable for use with gaseous media in industry.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. Steel sleeve counters oscillating forces. The high insertion depth is guaranteed by an optimised plug guide.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

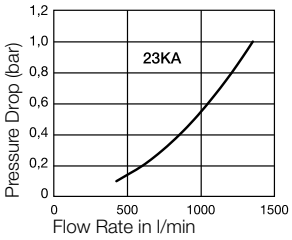
## KA Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

### Material
**Coupling:** Brass / Steel nickel plated
**Plug:** Steel nickel plated or Brass
**Seals:** NBR

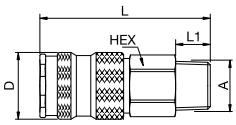
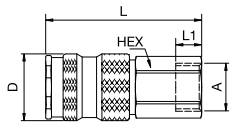
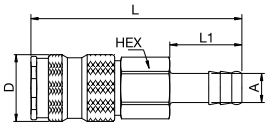
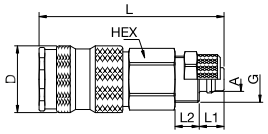
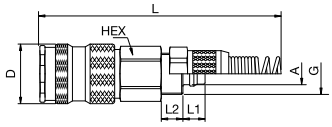
### Interchangeability
- Industr. Interchange 1/4"
- US-MIL-SPEC-C-4109
- ISO 6150 B
- Rectus 24, 1400, 1423
- Cejn 310
- Hansen 3000
- Faster
- Gromelle 600
- Parker 20 1/4" + 30 1/4"
- JWL 521 + JWL 531

### Flow diagrams
**Air**



# Couplings – with valve

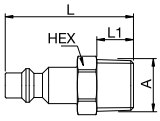
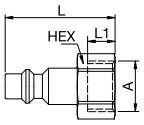
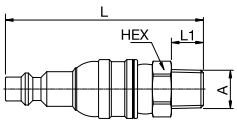
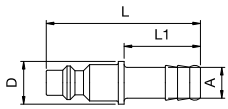
## Series 23KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 61 | 12 | | 23 | | | | 23KAAK13MPN |
| | R 3/8 | 19 | | 60 | 12 | | 23 | | | | 23KAAK17MPN |
| | R 1/2 | 22 | | 61 | 17 | | 23 | | | | 23KAAK21MPN |
|  Female Thread | G 1/4 | 19 | | 56 | 9 | | 23 | | | | 23KAIW13MPN |
| | G 3/8 | 19 | | 54 | 9 | | 23 | | | | 23KAIW17MPN |
| | G 1/2 | 24 | | 58 | 9 | | 23 | | | | 23KAIW21MPN |
|  Hose Barb | 6 mm | 19 | | 74 | 25 | | 23 | | | | 23KATF06MPN |
| | 8 mm | 19 | | 74 | 25 | | 23 | | | | 23KATF08MPN |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | | 23KATF09MPN |
| | 10 mm | 19 | | 74 | 25 | | 23 | | | | 23KATF10MPN |
| | 13 mm | 19 | | 74 | 25 | | 23 | | | | 23KATF13MPN |
|  with Plastic Hose Connection | 8 x 10 mm | 19 | | 64 | 9 | 8 | 23 | | M 16 x 1 | | 23KAKO10MPN |
|  Plastic Hose Connection with Spring Guard | 9 x 12 mm | 19 | | 163 | 9 | 8 | 23 | | M 16 x 1 | | 23KAKK12MPN |

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

# Plugs – without valve

## Series 23KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | | 39 | 9 | | | | | Steel | 23SFAK10SXN |
| | R 1/4 | 14 | | 42 | 12 | | | | | Steel | 23SFAK13SXN |
| | G 1/4 | 14 | | 42 | 12 | | | | | Brass | 23SFAW13MXX |
| | R 3/8 | 17 | | 42 | 12 | | | | | Steel | 23SFAK17SXN |
| | G 3/8 | 17 | | 42 | 12 | | | | | Brass | 23SFAW17MXX |
| | R 1/2 | 22 | | 48 | 17 | | | | | Steel | 23SFAK21SXN |
|  Female Thread | G 1/8 | 14 | | 36 | 9 | | | | | Steel | 23SFIW10SXN |
| | G 1/4 | 17 | | 36 | 9 | | | | | Steel | 23SFIW13SXN |
| | G 1/4 | 17 | | 36 | 9 | | | | | Brass | 23SFIW13MXX |
| | G 3/8 | 19 | | 36 | 9 | | | | | Steel | 23SFIW17SXN |
| | G 3/8 | 19 | | 36 | 9 | | | | | Brass | 23SFIW17MXX |
| | G 1/2 | 24 | | 39 | 12 | | | | | Steel | 23SFIW21SXN |
|  Flex Joint, Male Thread | R 1/4 | 17 | | 68 | 11 | | | | | Steel | 23FAAK13SPN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Hose Barb | 6 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF06SXN |
| | 6 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF06MXX |
| | 8 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF08SXN |
| | 8 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF08MXX |
| | 9 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF09SXN |
| | 9 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF09MXX |
| | 10 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF10SXN |
| | 10 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF10MXX |
| | 13 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF13SXN |

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

**Nominal Diameter**

# 5,5 = 25 mm²

**Rectus Tema Series**

# 1400

energy saver

**Technical Description**
RectusTema premium industrial coupling 1/4" according to ISO 6150 B. Suitable for compressed air applications with greater than average air consumption. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Other designs in series 1400**
The following other designs can be found from page:

➤ Safety Self-Venting P. 288

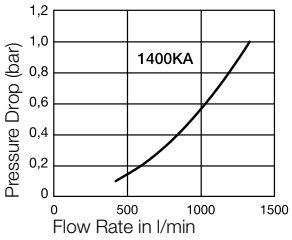
## KA Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

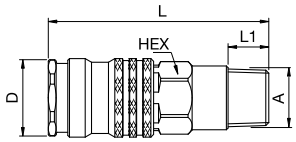
### Material
**Coupling:** Brass nickel plated, Steel QPQ treated
**Plug:** Steel nickel plated or Brass
**Seals:** NBR

### Interchangeability
- Rectus 23 + 24
- Rectus 1423
- Industr. Interchange 1/4"
- US-MIL-SPEC-C-4109
- ISO 6150 B
- Cejn 310
- Hansen 3000
- Faster
- Gromelle 600
- JWL 521 + JWL 531

### Flow diagrams
**Air**

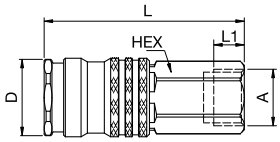


## Couplings – with valve — Series 1400KA



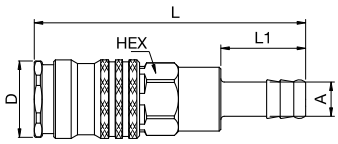
Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| R 1/4 | 19 | | 65 | 12 | | 23 | | | | 1400KAAK13SPN |
| R 3/8 | 19 | | 65 | 12 | | 23 | | | | 1400KAAK17SPN |
| R 1/2 | 22 | | 59,5 | 17 | | 23 | | | | 1400KAAK21SPN |



Female Thread

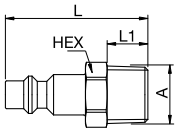
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 19 | | 59 | 9 | | 23 | | | | 1400KAIW13SPN |
| G 3/8 | 19 | | 59 | 9 | | 23 | | | | 1400KAIW17SPN |
| G 1/2 | 24 | | 62 | 12 | | 23 | | | | 1400KAIW21SPN |



Hose Barb

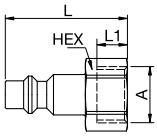
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | 19 | | 80 | 25 | | 23 | | | | 1400KATF06SPN |
| 8 mm | 19 | | 80 | 25 | | 23 | | | | 1400KATF08SPN |
| 10 mm | 19 | | 80 | 25 | | 23 | | | | 1400KATF10SPN |
| 13 mm | 19 | | 80 | 25 | | 23 | | | | 1400KATF13SPN |

## Plugs – without valve — Series 23SF



Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| R 1/8 | 13 | | 39 | 9 | | | | | Steel | 23SFAK10SXN |
| R 1/4 | 14 | | 42 | 12 | | | | | Steel | 23SFAK13SXN |
| G 1/4 | 14 | | 42 | 12 | | | | | Brass | 23SFAW13MXX |
| R 3/8 | 17 | | 42 | 12 | | | | | Steel | 23SFAK17SXN |
| G 3/8 | 17 | | 42 | 12 | | | | | Brass | 23SFAW17MXX |
| R 1/2 | 22 | | 48 | 17 | | | | | Steel | 23SFAK21SXN |



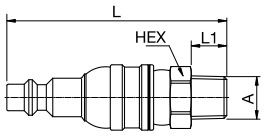
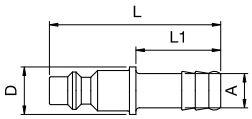
Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 36 | 9 | | | | | Steel | 23SFIW10SXN |
| G 1/4 | 17 | | 36 | 9 | | | | | Steel | 23SFIW13SXN |
| G 1/4 | 17 | | 36 | 9 | | | | | Brass | 23SFIW13MXX |
| G 3/8 | 19 | | 36 | 9 | | | | | Steel | 23SFIW17SXN |
| G 3/8 | 19 | | 36 | 9 | | | | | Brass | 23SFIW17MXX |
| G 1/2 | 24 | | 39 | 12 | | | | | Steel | 23SFIW21SXN |

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

# Plugs – without valve

## Series 23SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Flex Joint, Male Thread | R 1/4 | 17 | | 68 | 11 | | | | | Steel | 23FAAK13SPN |
|  Hose Barb | 6 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF06SXN |
| | 6 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF06MXX |
| | 8 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF08SXN |
| | 8 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF08MXX |
| | 9 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF09SXN |
| | 9 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF09MXX |
| | 10 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF10SXN |
| | 10 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF10MXX |
| | 13 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF13SXN |

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

**Nominal Diameter**

# 5,5 = 25 mm²

**Rectus Series**

# 1423

energy saver

**Technical Description**
RectusTema premium industrial coupling 1/4" according to ISO 6150 B. Suitable for compressed air applications with greater than average air consumption. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. Extremely robust and ergonomically shaped, 2-component plastic sleeve.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S

**Working Temperature***
-20°C up to +80°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +80°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

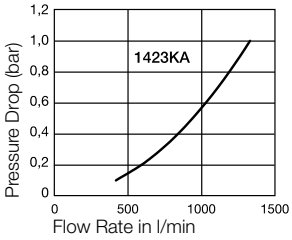
## KA Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

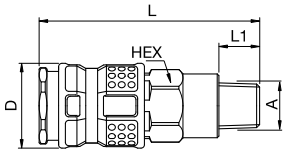
### Material
**Coupling:** Brass nickel plated, Steel QPQ treated, PA6+TPE
**Plug:** Steel nickel plated or Brass
**Seals:** NBR

### Interchangeability
- Rectus 23 + 24
- Rectus 1400
- Industr. Interchange 1/4"
- US-MIL-SPEC-C-4109
- ISO 6150 B
- Cejn 310
- Hansen 3000
- Faster
- Gromelle 600
- JWL 521 + JWL 531

### Flow diagrams
**Air**

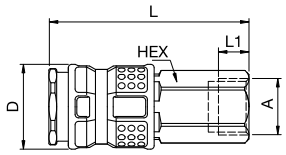


## Couplings – with valve — Series 1423KA



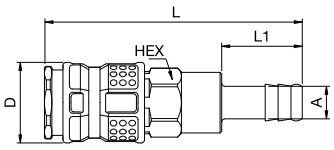
Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| R 1/4 | 19 | | 65 | 12 | | 26 | | | | 1423KAAK13SPN |
| R 3/8 | 19 | | 65 | 12 | | 26 | | | | 1423KAAK17SPN |
| R 1/2 | 22 | | 59,5 | 17 | | 26 | | | | 1423KAAK21SPN |



Female Thread

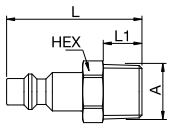
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 19 | | 59 | 9 | | 26 | | | | 1423KAIW13SPN |
| G 3/8 | 19 | | 59 | 9 | | 26 | | | | 1423KAIW17SPN |
| G 1/2 | 24 | | 62 | 12 | | 26 | | | | 1423KAIW21SPN |



Hose Barb

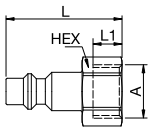
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | 19 | | 80 | 25 | | 26 | | | | 1423KATF06SPN |
| 8 mm | 19 | | 80 | 25 | | 26 | | | | 1423KATF08SPN |
| 9 mm | 19 | | 80 | 25 | | 26 | | | | 1423KATF09SPN |
| 10 mm | 19 | | 80 | 25 | | 26 | | | | 1423KATF10SPN |
| 13 mm | 19 | | 80 | 25 | | 26 | | | | 1423KATF13SPN |

## Plugs – without valve — Series 23SF



Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| R 1/8 | 13 | | 39 | 9 | | | | | Steel | 23SFAK10SXN |
| R 1/4 | 14 | | 42 | 12 | | | | | Steel | 23SFAK13SXN |
| G 1/4 | 14 | | 42 | 12 | | | | | Brass | 23SFAW13MXX |
| R 3/8 | 17 | | 42 | 12 | | | | | Steel | 23SFAK17SXN |
| G 3/8 | 17 | | 42 | 12 | | | | | Brass | 23SFAW17MXX |
| R 1/2 | 22 | | 48 | 17 | | | | | Steel | 23SFAK21SXN |



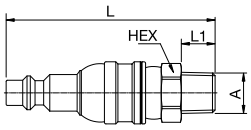
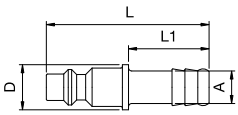
Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 36 | 9 | | | | | Steel | 23SFIW10SXN |
| G 1/4 | 17 | | 36 | 9 | | | | | Steel | 23SFIW13SXN |
| G 1/4 | 17 | | 36 | 9 | | | | | Brass | 23SFIW13MXX |
| G 3/8 | 19 | | 36 | 9 | | | | | Steel | 23SFIW17SXN |
| G 3/8 | 19 | | 36 | 9 | | | | | Brass | 23SFIW17MXX |
| G 1/2 | 24 | | 39 | 12 | | | | | Steel | 23SFIW21SXN |

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

# Plugs – without valve

## Series 23SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Flex Joint, Male Thread | R 1/4 | 17 | | 68 | 11 | | | | | Steel | 23FAAK13SPN |
|  Hose Barb | 6 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF06SXN |
| | 6 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF06MXX |
| | 8 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF08SXN |
| | 8 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF08MXX |
| | 9 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF09SXN |
| | 9 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF09MXX |
| | 10 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF10SXN |
| | 10 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF10MXX |
| | 13 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF13SXN |

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

## Nominal Diameter

# 5,5 = 25 mm²

## Rectus Series

# 24

**Technical Description**
1/4" Industrial brass coupling according to ISO 6150 B and US MIL-SPEC 4109.
Coupling system with single-hand operation, which stands out for its solid brass design and corresponding sleeve design. Hardened steel plug counters vibrations and effects of external forces.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Other designs in series 24**
The following other designs can be found from page:

➤ Safety Self-Venting P. 290

## KA Single Shut-Off

### Working Pressure**

**35 bar**
** maximum static working pressure with design factor 4 to 1.

### Material

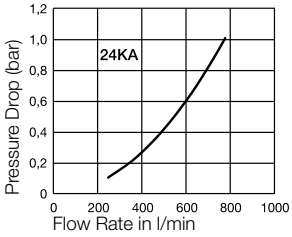
**Coupling:** Brass
**Plug:** Steel nickel plated or Brass
**Seals:** NBR

### Interchangeability

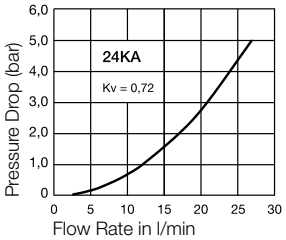
- Rectus 23
- Rectus 1400/1423
- Industr. Interchange 1/4"
- US-MIL-SPEC-C-4109
- ISO 6150 B
- Cejn 310
- Hansen 3000
- Faster
- Gromelle 600
- Parker 20 1/4" + 30 1/4"
- JWL 521 + JWL 531

### Flow diagrams

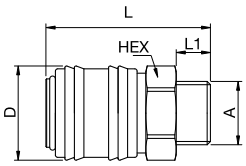
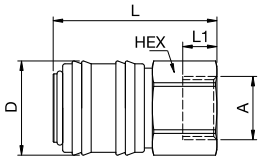
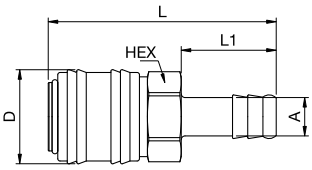
**Air**



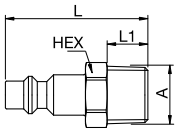
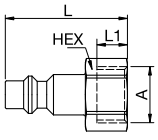

**Water**



## Couplings – with valve — Series 24KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 22 | | 43 | 9 | | 25 | | | blank | 24KAAW13MPX |
| | G 1/4 | 22 | | 43 | 9 | | 25 | | | nickel plated | 24KAAW13MPN |
| | G 3/8 | 22 | | 43 | 9 | | 25 | | | blank | 24KAAW17MPX |
| | G 3/8 | 22 | | 43 | 9 | | 25 | | | nickel plated | 24KAAW17MPN |
| | G 1/2 | 22 | | 46 | 12 | | 25 | | | blank | 24KAAW21MPX |
| | G 1/2 | 22 | | 46 | 12 | | 25 | | | nickel plated | 24KAAW21MPN |
|  Female Thread | G 1/4 | 22 | | 43 | 11 | | 25 | | | blank | 24KAIW13MPX |
| | G 1/4 | 22 | | 43 | 11 | | 25 | | | nickel plated | 24KAIW13MPN |
| | G 3/8 | 22 | | 43 | 9 | | 25 | | | blank | 24KAIW17MPX |
| | G 3/8 | 22 | | 43 | 9 | | 25 | | | nickel plated | 24KAIW17MPN |
| | G 1/2 | 22 | | 46 | 12 | | 25 | | | blank | 24KAIW21MPX |
| | G 1/2 | 22 | | 46 | 12 | | 25 | | | nickel plated | 24KAIW21MPN |
|  Hose Barb | 6 mm | 21 | | 60 | 25 | | 25 | | | blank | 24KATF06MPX |
| | 8 mm | 21 | | 60 | 25 | | 25 | | | blank | 24KATF08MPX |
| | 8 mm | 21 | | 60 | 25 | | 25 | | | nickel plated | 24KATF08MPN |
| | 9 mm | 21 | | 60 | 25 | | 25 | | | blank | 24KATF09MPX |
| | 10 mm | 21 | | 60 | 25 | | 25 | | | blank | 24KATF10MPX |
| | 13 mm | 21 | | 60 | 25 | | 25 | | | blank | 24KATF13MPX |

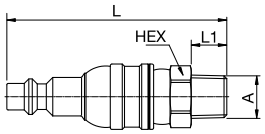
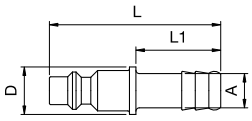
## Plugs - without valve — Series 23SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | | 39 | 9 | | | | | Steel | 23SFAK10SXN |
| | R 1/4 | 14 | | 42 | 12 | | | | | Steel | 23SFAK13SXN |
| | G 1/4 | 14 | | 42 | 12 | | | | | Brass | 23SFAW13MXX |
| | R 3/8 | 17 | | 42 | 12 | | | | | Steel | 23SFAK17SXN |
| | G 3/8 | 17 | | 42 | 12 | | | | | Brass | 23SFAW17MXX |
| | R 1/2 | 22 | | 48 | 17 | | | | | Steel | 23SFAK21SXN |
|  Female Thread | G 1/8 | 14 | | 36 | 9 | | | | | Steel | 23SFIW10SXN |
| | G 1/4 | 17 | | 36 | 9 | | | | | Steel | 23SFIW13SXN |
| | G 1/4 | 17 | | 36 | 9 | | | | | Brass | 23SFIW13MXX |
| | G 3/8 | 19 | | 36 | 9 | | | | | Steel | 23SFIW17SXN |
| | G 3/8 | 19 | | 36 | 9 | | | | | Brass | 23SFIW17MXX |
| | G 1/2 | 24 | | 39 | 12 | | | | | Steel | 23SFIW21SXN |

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

# Plugs – without valve

## Series 23SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Flex Joint, Male Thread | R 1/4 | 17 | | 68 | 11 | | | | | Steel | 23FAAK13SPN |
|  Hose Barb | 6 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF06SXN |
| | 6 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF06MXX |
| | 8 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF08SXN |
| | 8 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF08MXX |
| | 9 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF09SXN |
| | 9 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF09MXX |
| | 10 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF10SXN |
| | 10 mm | | | 51 | 25 | | 14 | | | Brass | 23SFTF10MXX |
| | 13 mm | | | 51 | 25 | | 14 | | | Steel | 23SFTF13SXN |

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

**Nominal Diameter**

**6** = 28 mm²

**Rectus Series**

**206**

**Other designs in series 206**
The following other designs can be found from page:

➤ Stainless Steel P. 200

**Technical Description**
Leak-free coupling system for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive media.
Coupling system with single-hand operation, extremely low leakage rates and minimal dead space volume. Absolutely no air pockets when coupling and only a barely noticeable film of the medium being channelled on the valve bodies when uncoupling.
Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**KL** Leak-Free

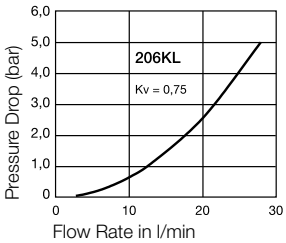
**Working Pressure****
**15 bar**
** maximum static working pressure with design factor 4 to 1.

**Material**
**Coupling:** Brass nickel plated
**Plug:** Brass nickel plated
**Seals:** NBR

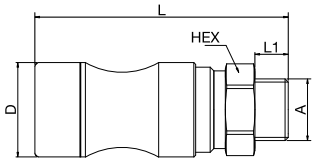
**Interchangeability**
• Rectus Design

**Flow diagrams**

**Water**

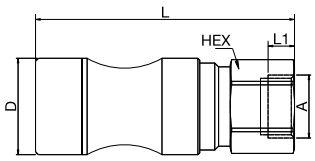


## Couplings – flat-sealing — Series 206KL



Male Thread

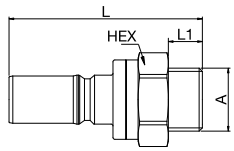
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 22 | | 68,5 | 9 | | 25,5 | | | | 206KLAW17MPN |
| G 1/2 | 22 | | 71,5 | 12 | | 25,5 | | | | 206KLAW21MPN |



Female Thread

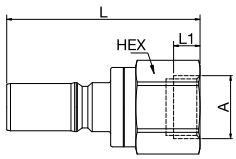
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 22 | | 68,5 | 7 | | 25,5 | | | | 206KLIW17MPN |
| G 1/2 | 24 | | 71,5 | 10 | | 25,5 | | | | 206KLIW21MPN |

## Plugs – flat-sealing — Series 206KL



Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 22 | | 51 | 9 | | | | | | 206SLAW17MPN |
| G 1/2 | 22 | | 54 | 12 | | | | | | 206SLAW21MPN |



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 22 | | 51 | 7 | | | | | | 206SLIW17MPN |
| G 1/2 | 24 | | 54 | 10 | | | | | | 206SLIW21MPN |

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

**Nominal Diameter**

**6** = 30 mm²

**Rectus Series**

**51**

**Technical Description**
Coupling system with German industrial profile. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. Robust coupling in slim design mainly for pneumatic applications. The steel sleeve counters oscillating forces. The high insertion depth is guaranteed by an optimised plug guide.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S

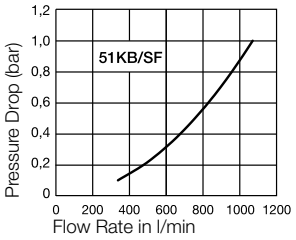
**Working Temperature***
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

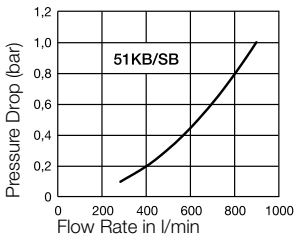
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| **50 bar**<br>** maximum static working pressure with design factor 4 to 1. | 50 bar |
| **Material** | |
| **Coupling:** Brass / Steel nickel plated<br>**Plug:** Steel nickel plated<br>**Seals:** NBR | **Coupling:** Brass / Steel nickel plated<br>**Plug:** Brass / Steel nickel plated<br>**Seals:** NBR |
| **Interchangeability** | |
| • Walther SP006 | |

**Flow diagrams**

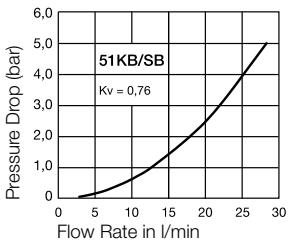
**Air**



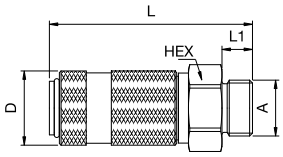
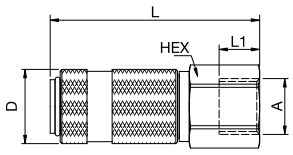
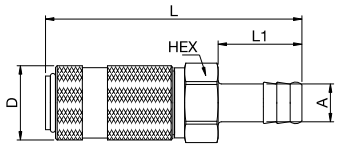

**Air**



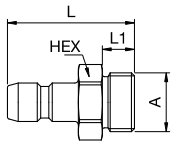
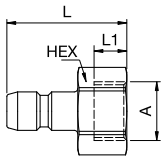
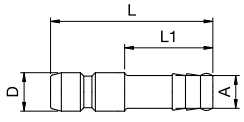

**Water**



## Couplings – with valve — Series 51KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 22 | | 61 | 9 | | 22 | | | | 51KBAW13SPN |
| | G 3/8 | 22 | | 61 | 9 | | 22 | | | | 51KBAW17SPN |
| | G 1/2 | 22 | | 61 | 12 | | 22 | | | | 51KBAW21SPN |
|  Female Thread | G 1/4 | 22 | | 63 | 12 | | 22 | | | | 51KBIW13SPN |
| | G 3/8 | 22 | | 63 | 12 | | 22 | | | | 51KBIW17SPN |
| | G 1/2 | 24 | | 64 | 13 | | 22 | | | | 51KBIW21SPN |
|  Hose Barb | 6 mm | 21 | | 78 | 25 | | 22 | | | | 51KBTF06SPN |
| | 9 mm | 21 | | 78 | 25 | | 22 | | | | 51KBTF09SPN |
| | 13 mm | 21 | | 78 | 25 | | 22 | | | | 51KBTF13SPN |

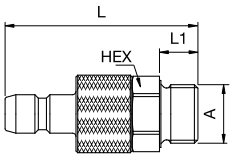
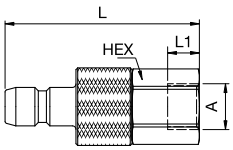
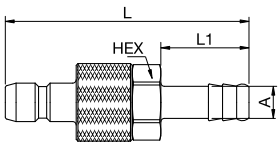
## Plugs – without valve — Series 51SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 17 | | 35 | 9 | | | | | | 51SFAW13SXN |
| | G 3/8 | 19 | | 36 | 9 | | | | | | 51SFAW17SXN |
|  Female Thread | G 1/4 | 17 | | 34 | 11 | | | | | | 51SFIW13SXN |
| | G 3/8 | 19 | | 34 | 11 | | | | | | 51SFIW17SXN |
|  Hose Barb | 6 mm | | | 46 | 25 | | 11 | | | | 51SFTF06SXN |
| | 9 mm | | | 46 | 25 | | 11 | | | | 51SFTF09SXN |

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

# Plugs – with valve

## Series 51SB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 19 | | 54 | 8 | | | | | | 51SBAW13SPN |
| | G 3/8 | 22 | | 49,5 | 9 | | | | | | 51SBAW17SPN |
| | G 1/2 | 22 | | 49,5 | 12 | | | | | | 51SBAW21SPN |
|  Female Thread | G 1/4 | 22 | | 51,5 | 12 | | | | | | 51SBIW13SPN |
| | G 3/8 | 22 | | 51,5 | 12 | | | | | | 51SBIW17SPN |
|  Hose Barb | 6 mm | 21 | | 65,5 | 25 | | | | | | 51SBTF06SPN |
| | 9 mm | 21 | | 65,5 | 25 | | | | | | 51SBTF09SPN |
| | 13 mm | 21 | | 65,5 | 25 | | | | | | 51SBTF13SPN |

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

## Nominal Diameter
# 6 = 30 mm²

## Rectus Series
# 52

**Technical Description**
Coupling system with German industrial profile. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. Robust coupling in slim design mainly for pneumatic applications. The steel sleeve counters oscillating forces. The high insertion depth is guaranteed by an optimised plug guide.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S
for Plug Part.-No. SK12S

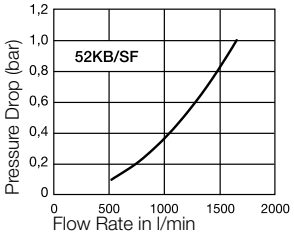
**Working Temperature***
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

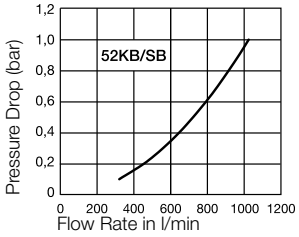
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 50 bar<br>** maximum static working pressure with design factor 4 to 1. | 50 bar |
| **Material** | |
| **Coupling:** Brass / Steel nickel plated<br>**Plug:** Steel nickel plated<br>**Seal:** NBR | **Coupling:** Brass / Steel nickel plated<br>**Plug:** Brass / Steel nickel plated<br>**Seals:** NBR |
| **Interchangeability** | |
| • Walther LP006 | |

**Flow diagrams**

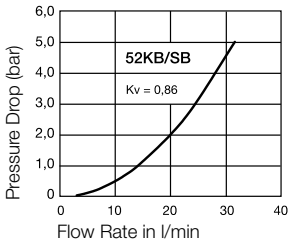
**Air**



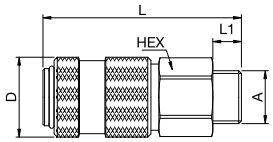
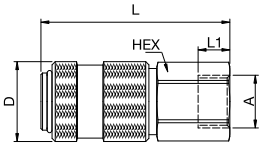
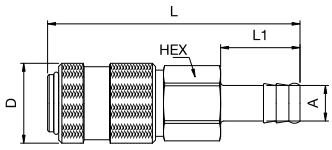

**Air**



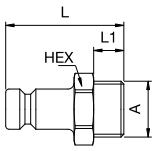
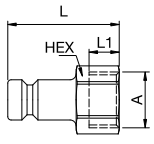
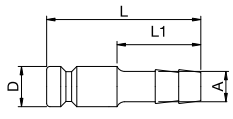

**Water**



## Couplings – with valve — Series 52KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 22 | | 62 | 9 | | 25 | | | | 52KBAW13SPN |
| | G 3/8 | 22 | | 62 | 9 | | 25 | | | | 52KBAW17SPN |
| | G 1/2 | 22 | | 65 | 12 | | 25 | | | | 52KBAW21SPN |
|  Female Thread | G 1/4 | 22 | | 62 | 10 | | 25 | | | | 52KBIW13SPN |
| | G 3/8 | 22 | | 60 | 10 | | 25 | | | | 52KBIW17SPN |
| | G 1/2 | 22 | | 65 | 13 | | 25 | | | | 52KBIW21SPN |
|  Hose Barb | 6 mm | 21 | | 79 | 25 | | 25 | | | | 52KBTF06SPN |
| | 9 mm | 21 | | 80 | 25 | | 25 | | | | 52KBTF09SPN |
| | 10 mm | 21 | | 80 | 25 | | 25 | | | | 52KBTF10SPN |
| | 11 mm | 21 | | 80 | 25 | | 25 | | | | 52KBTF11SPN |
| | 13 mm | 21 | | 79 | 25 | | 25 | | | | 52KBTF13SPN |

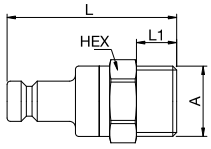
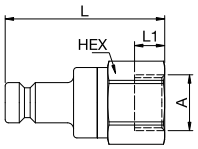
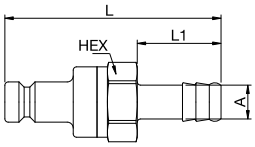
## Plugs – without valve — Series 52SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 32 | 7 | | | | | | 52SFAW10SXN |
| | G 1/4 | 17 | | 35 | 9 | | | | | | 52SFAW13SXN |
| | G 3/8 | 19 | | 35 | 9 | | | | | | 52SFAW17SXN |
| | G 1/2 | 24 | | 38 | 12 | | | | | | 52SFAW21SXN |
|  Female Thread | G 1/8 | 14 | | 31 | 7 | | | | | | 52SFIW10SXN |
| | G 1/4 | 17 | | 33 | 9 | | | | | | 52SFIW13SXN |
| | G 3/8 | 19 | | 33 | 9 | | | | | | 52SFIW17SXN |
| | G 1/2 | 24 | | 36 | 12 | | | | | | 52SFIW21SXN |
|  Hose Barb | 6 mm | | | 46 | 25 | | 12 | | | | 52SFTF06SXN |
| | 9 mm | | | 46 | 25 | | 12 | | | | 52SFTF09SXN |
| | 11 mm | | | 53 | 30 | | 12 | | | | 52SFTF11SXN |
| | 13 mm | | | 53 | 30 | | 12 | | | | 52SFTF13SXN |

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

# Plugs – with valve

## Series 52SB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 22 | | 48 | 9 | | | | | | 52SBAW13SPN |
| | G 3/8 | 22 | | 48 | 9 | | | | | | 52SBAW17SPN |
| | G 1/2 | 22 | | 48 | 12 | | | | | | 52SBAW21SPN |
|  Female Thread | G 1/4 | 22 | | 48 | 9 | | | | | | 52SBIW13SPN |
| | G 3/8 | 22 | | 48 | 9 | | | | | | 52SBIW17SPN |
|  Hose Barb | 6 mm | 21 | | 77,5 | 25 | | | | | | 52SBTF06SPN |
| | 8 mm | 21 | | 77,5 | 25 | | | | | | 52SBTF08SPN |
| | 9 mm | 21 | | 77,5 | 25 | | | | | | 52SBTF09SPN |
| | 10 mm | 21 | | 77,5 | 25 | | | | | | 52SBTF10SPN |
| | 13 mm | 21 | | 77,5 | 25 | | | | | | 52SBTF13SPN |

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

## Nominal Diameter
# 7,2 = 40 mm²

## Rectus Series
# 26

**Technical Description**
Universal brass coupling with European standard industrial profile.
Coupling system with single-hand operation and standard-valve. Small mass size. The ergonomic sleeve design prevents dirt on the valve body.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

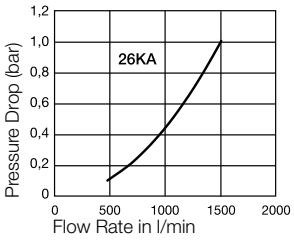
**Other designs in series 26**
The following other designs can be found from page:

➤ Stainless Steel P. 202
➤ Safety Self-Venting P. 292

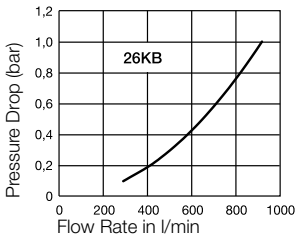
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar |
| **Features** | |
| • Series 26 plugs in brass<br>• Series 25 steel plugs recommended for oscilating forces | |
| **Material** | |
| **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR | **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR |
| **Interchangeability** | |
| • Rectus 25<br>• Rectus 1600/1625<br>• Cejn 320<br>• JWL 520 + JWL 530<br>• various German Products | |

**Flow diagrams**

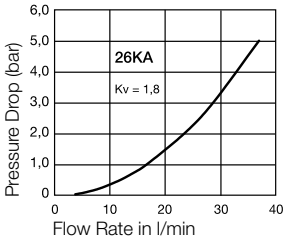
**Air**



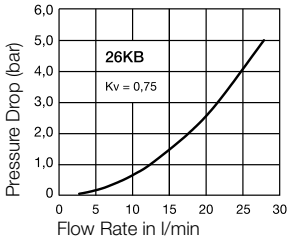

**Air**




**Water**

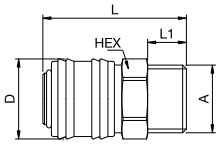



**Water**



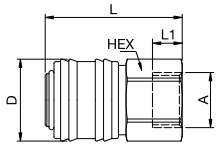
# Couplings – with valve

## Series 26KA




Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 22 | | 43 | 9 | | 25 | | | blank | 26KAAW10MPX |
| G 1/8 | 22 | | 43 | 9 | | 25 | | | nickel plated | 26KAAW10MPN |
| G 1/4 | 22 | | 39 | 9 | | 25 | | | blank | 26KAAW13MPX |
| G 1/4 | 22 | | 39 | 9 | | 25 | | | nickel plated | 26KAAW13MPN |
| G 3/8 | 22 | | 41 | 9 | | 25 | | | blank | 26KAAW17MPX |
| G 3/8 | 22 | | 41 | 9 | | 25 | | | nickel plated | 26KAAW17MPN |
| G 1/2 | 22 | | 44 | 12 | | 25 | | | blank | 26KAAW21MPX |
| G 1/2 | 22 | | 44 | 12 | | 25 | | | nickel plated | 26KAAW21MPN |
| G 1/2 | 24 | | 44 | 12 | | 25 | | | blank | 26KAAW21MPXS_36 |
| G 1/2 | 24 | | 44 | 12 | | 25 | | | nickel plated | 26KAAW21MPNS_09 |
| M 14 x 1,5 | 22 | | 42 | 10 | | 25 | | | blank | 26KAAD14MPX |
| M 14 x 1,5 | 22 | | 42 | 10 | | 25 | | | nickel plated | 26KAAD14MPN |
| M 16 x 1,5 | 22 | | 43 | 11 | | 25 | | | blank | 26KAAD16MPX |
| M 16 x 1,5 | 22 | | 43 | 11 | | 25 | | | nickel plated | 26KAAD16MPN |
| M 18 x 1,5 | 22 | | 43 | 11 | | 25 | | | blank | 26KAAD18MPX |
| M 18 x 1,5 | 22 | | 43 | 11 | | 25 | | | nickel plated | 26KAAD18MPN |



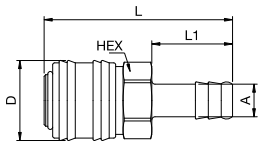
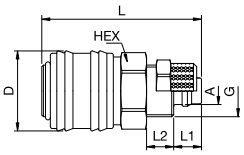
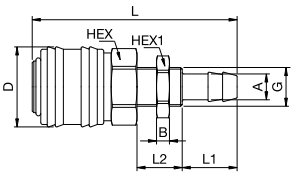
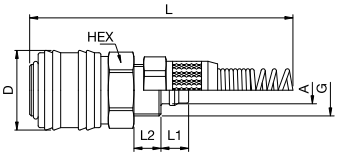

Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 22 | | 41 | 9 | | 25 | | | blank | 26KAIW13MPX |
| G 1/4 | 22 | | 41 | 9 | | 25 | | | nickel plated | 26KAIW13MPN |
| G 3/8 | 22 | | 41 | 9 | | 25 | | | blank | 26KAIW17MPX |
| G 3/8 | 22 | | 41 | 9 | | 25 | | | nickel plated | 26KAIW17MPN |
| G 1/2 | 24 | | 44 | 10 | | 25 | | | blank | 26KAIW21MPX |
| G 1/2 | 24 | | 44 | 10 | | 25 | | | nickel plated | 26KAIW21MPN |
| M 14 x 1,5 | 22 | | 44 | 9 | | 25 | | | blank | 26KAIM14MPX |
| M 14 x 1,5 | 22 | | 44 | 9 | | 25 | | | nickel plated | 26KAIM14MPN |
| M 16 x 1,5 | 22 | | 44 | 9 | | 25 | | | blank | 26KAIM16MPX |
| M 16 x 1,5 | 22 | | 44 | 9 | | 25 | | | nickel plated | 26KAIM16MPN |
| M 18 x 1,5 | 22 | | 44 | 9 | | 25 | | | blank | 26KAIM18MPX |
| M 18 x 1,5 | 22 | | 44 | 9 | | 25 | | | nickel plated | 26KAIM18MPN |

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

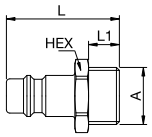
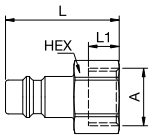
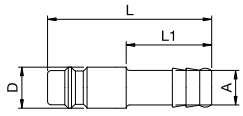
# Couplings – with valve

## Series 26KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Hose Barb | 6 mm | 21 | | 58 | 25 | | 25 | | | blank | 26KATF06MPX |
| | 6 mm | 21 | | 58 | 25 | | 25 | | | nickel plated | 26KATF06MPN |
| | 8 mm | 21 | | 58 | 25 | | 25 | | | blank | 26KATF08MPX |
| | 8 mm | 21 | | 58 | 25 | | 25 | | | nickel plated | 26KATF08MPN |
| | 9 mm | 21 | | 58 | 25 | | 25 | | | blank | 26KATF09MPX |
| | 9 mm | 21 | | 58 | 25 | | 25 | | | nickel plated | 26KATF09MPN |
| | 10 mm | 21 | | 58 | 25 | | 25 | | | blank | 26KATF10MPX |
| | 10 mm | 21 | | 58 | 25 | | 25 | | | nickel plated | 26KATF10MPN |
| | 13 mm | 21 | | 58 | 25 | | 25 | | | blank | 26KATF13MPX |
| | 13 mm | 21 | | 58 | 25 | | 25 | | | nickel plated | 26KATF13MPN |
| | 6 mm Parker | 21 | | 58 | 20,5 | | 25 | | | blank | 26KATP06MPX |
| | 6 mm Parker | 21 | | 58 | 20,5 | | 25 | | | nickel plated | 26KATP06MPN |
| | 10 mm Parker | 21 | | 58 | 24 | | 25 | | | blank | 26KATP10MPX |
| | 10 mm Parker | 21 | | 58 | 24 | | 25 | | | nickel plated | 26KATP10MPN |
| | 13 mm Parker | 21 | | 58 | 28 | | 25 | | | blank | 26KATP13MPX |
| | 13 mm Parker | 21 | | 58 | 28 | | 25 | | | nickel plated | 26KATP13MPN |
| | | | | | | | | | | | |
|  with Plastic Hose Connection | 4 x 6 mm | 21 | | 58 | 7 | 6 | 25 | | M 10 x 1 | blank | 26KAKO06MPX |
| | 4 x 6 mm | 21 | | 58 | 7 | 6 | 25 | | M 10 x 1 | nickel plated | 26KAKO06MPN |
| | 6 x 8 mm | 21 | | 45 | 7 | 6 | 25 | | M 12 x 1 | blank | 26KAKO08MPX |
| | 6 x 8 mm | 21 | | 45 | 7 | 6 | 25 | | M 12 x 1 | nickel plated | 26KAKO08MPN |
| | 8 x 10 mm | 21 | | 49 | 9 | 8 | 25 | | M 16 x 1 | blank | 26KAKO10MPX |
| | 8 x 10 mm | 21 | | 49 | 9 | 8 | 25 | | M 16 x 1 | nickel plated | 26KAKO10MPN |
| | 9 x 12 mm | 21 | | 49 | 9 | 8 | 25 | | M 16 x 1 | blank | 26KAKO12MPX |
| | 9 x 12 mm | 21 | | 49 | 9 | 8 | 25 | | M 16 x 1 | nickel plated | 26KAKO12MPN |
| | | | | | | | | | | | |
|  Panel Mount with Hose Barb | 6 mm | 21 | 17 | 60 | 17 | 10 | 25 | 4 | M 12 x 1 | blank | 26KATS06MPX |
| | 6 mm | 21 | 17 | 60 | 17 | 10 | 25 | 4 | M 12 x 1 | nickel plated | 26KATS06MPN |
| | 8 mm | 21 | 17 | 63 | 17 | 14 | 25 | 4 | M 12 x 1 | blank | 26KATS08MPX |
| | 8 mm | 21 | 17 | 63 | 17 | 14 | 25 | 4 | M 12 x 1 | nickel plated | 26KATS08MPN |
| | 10 mm | 21 | 17 | 72 | 25 | 14 | 25 | 4 | G 1/4 | blank | 26KATS10MPX |
| | 10 mm | 21 | 17 | 72 | 25 | 14 | 25 | 4 | G 1/4 | nickel plated | 26KATS10MPN |
|  Plastic Hose Connection with Spring Guard | 6 x 8 mm | 21 | | 132 | 7 | 6 | 25 | | M 12 x 1 | blank | 26KAKK08MPX |
| | 6 x 8 mm | 21 | | 132 | 7 | 6 | 25 | | M 12 x 1 | nickel plated | 26KAKK08MPN |
| | 8 x 10 mm | 21 | | 143 | 9 | 8 | 25 | | M 16 x 1 | blank | 26KAKK10MPX |
| | 8 x 10 mm | 21 | | 143 | 9 | 8 | 25 | | M 16 x 1 | nickel plated | 26KAKK10MPN |
| | 9 x 12 mm | 21 | | 150 | 9 | 8 | 25 | | M 16 x 1 | blank | 26KAKK12MPX |
| | 9 x 12 mm | 21 | | 150 | 9 | 8 | 25 | | M 16 x 1 | nickel plated | 26KAKK12MPN |

# Plugs – without valve

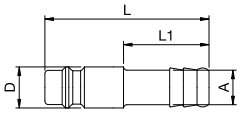
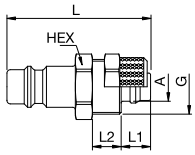
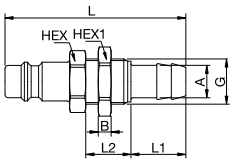
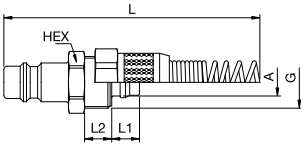
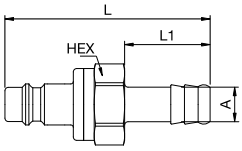
## Series 26KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 31 | 7 | | | | | blank | 26SFAW10MXX |
| | G 1/8 | 14 | | 31 | 7 | | | | | nickel plated | 26SFAW10MXN |
| | G 1/4 | 17 | | 33 | 9 | | | | | blank | 26SFAW13MXX |
| | G 1/4 | 17 | | 33 | 9 | | | | | nickel plated | 26SFAW13MXN |
| | G 3/8 | 19 | | 33 | 9 | | | | | blank | 26SFAW17MXX |
| | G 3/8 | 19 | | 33 | 9 | | | | | nickel plated | 26SFAW17MXN |
| | G 1/2 | 24 | | 38 | 12 | | | | | blank | 26SFAW21MXX |
| | G 1/2 | 24 | | 38 | 12 | | | | | nickel plated | 26SFAW21MXN |
| | M 14 x 1,5 | 17 | | 35 | 10 | | | | | blank | 26SFAD14MXX |
| | M 14 x 1,5 | 17 | | 35 | 10 | | | | | nickel plated | 26SFAD14MXN |
| | M 16 x 1,5 | 19 | | 36 | 11 | | | | | blank | 26SFAD16MXX |
| | M 16 x 1,5 | 19 | | 36 | 11 | | | | | nickel plated | 26SFAD16MXN |
| | M 18 x 1,5 | 22 | | 37 | 11 | | | | | blank | 26SFAD18MXX |
| | M 18 x 1,5 | 22 | | 37 | 11 | | | | | nickel plated | 26SFAD18MXN |
| | | | | | | | | | | | |
|  Female Thread | G 1/8 | 14 | | 30 | 7 | | | | | blank | 26SFIW10MXX |
| | G 1/8 | 14 | | 30 | 7 | | | | | nickel plated | 26SFIW10MXN |
| | G 1/4 | 17 | | 33 | 10 | | | | | blank | 26SFIW13MXX |
| | G 1/4 | 17 | | 33 | 10 | | | | | nickel plated | 26SFIW13MXN |
| | G 3/8 | 19 | | 33 | 10 | | | | | blank | 26SFIW17MXX |
| | G 3/8 | 19 | | 33 | 10 | | | | | nickel plated | 26SFIW17MXN |
| | G 1/2 | 24 | | 35 | 12 | | | | | blank | 26SFIW21MXX |
| | G 1/2 | 24 | | 35 | 12 | | | | | nickel plated | 26SFIW21MXN |
| | M 14 x 1,5 | 17 | | 33 | 10 | | | | | blank | 26SFIM14MXX |
| | M 14 x 1,5 | 17 | | 33 | 10 | | | | | nickel plated | 26SFIM14MXN |
| | M 16 x 1,5 | 19 | | 33 | 10 | | | | | blank | 26SFIM16MXX |
| | M 16 x 1,5 | 19 | | 33 | 10 | | | | | nickel plated | 26SFIM16MXN |
| | M 18 x 1,5 | 22 | | 36 | 13 | | | | | blank | 26SFIM18MXX |
| | M 18 x 1,5 | 22 | | 36 | 13 | | | | | nickel plated | 26SFIM18MXN |
|  Hose Barb | 4 mm | | | 48 | 25 | | 12 | | | blank | 26SFTF04MXX |
| | 4 mm | | | 48 | 25 | | 12 | | | nickel plated | 26SFTF04MXN |
| | 6 mm | | | 48 | 25 | | 12 | | | blank | 26SFTF06MXX |
| | 6 mm | | | 48 | 25 | | 12 | | | nickel plated | 26SFTF06MXN |
| | 8 mm | | | 48 | 25 | | 12 | | | blank | 26SFTF08MXX |
| | 8 mm | | | 48 | 25 | | 12 | | | nickel plated | 26SFTF08MXN |
| | 9 mm | | | 48 | 25 | | 12 | | | blank | 26SFTF09MXX |
| | 9 mm | | | 48 | 25 | | 12 | | | nickel plated | 26SFTF09MXN |
| | | | | | | | | | | | |

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

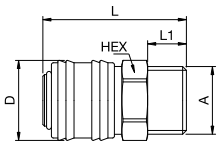
# Plugs – without valve

## Series 26KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Hose Barb | 10 mm | | | 48 | 25 | | 12 | | | blank | 26SFTF10MXX |
| | 10 mm | | | 48 | 25 | | 12 | | | nickel plated | 26SFTF10MXN |
| | 13 mm | | | 48 | 25 | | 15 | | | blank | 26SFTF13MXX |
| | 13 mm | | | 48 | 25 | | 15 | | | nickel plated | 26SFTF13MXN |
| | 6 mm Parker | | | 43 | 20,5 | | 16 | | | blank | 26SFTP06MXX |
| | 6 mm Parker | | | 43 | 20,5 | | 16 | | | nickel plated | 26SFTP06MXN |
| | 10 mm Parker | | | 46 | 24 | | 22 | | | blank | 26SFTP10MXX |
| | 10 mm Parker | | | 46 | 24 | | 22 | | | nickel plated | 26SFTP10MXN |
| | 13 mm Parker | | | 50 | 28 | | 24 | | | blank | 26SFTP13MXX |
| | 13 mm Parker | | | 50 | 28 | | 24 | | | nickel plated | 26SFTP13MXN |
|  with Plastic Hose Connection | 4 x 6 mm | | | 34 | 7 | 6 | 12 | | M 10 x 1 | blank | 26SFKO06MXX |
| | 4 x 6 mm | | | 34 | 7 | 6 | 12 | | M 10 x 1 | nickel plated | 26SFKO06MXN |
| | 6 x 8 mm | | | 34 | 7 | 6 | 12 | | M 12 x 1 | blank | 26SFKO08MXX |
| | 6 x 8 mm | | | 34 | 7 | 6 | 12 | | M 12 x 1 | nickel plated | 26SFKO08MXN |
| | 8 x 10 mm | 17 | | 42 | 9 | 6 | | | M 16 x 1 | blank | 26SFKO10MXX |
| | 8 x 10 mm | 17 | | 42 | 9 | 6 | | | M 16 x 1 | nickel plated | 26SFKO10MXN |
| | 9 x 12 mm | 17 | | 42 | 9 | 8 | | | M 16 x 1 | blank | 26SFKO12MXX |
| | 9 x 12 mm | 17 | | 42 | 9 | 8 | | | M 16 x 1 | nickel plated | 26SFKO12MXN |
| | | | | | | | | | | | |
|  Panel Mount with Hose Barb | 6 mm | 14 | 17 | 56 | 17 | 14 | | 4 | M 12 x 1 | blank | 26SFTS06MXX |
| | 6 mm | 14 | 17 | 56 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 26SFTS06MXN |
| | 8 mm | 17 | 17 | 56 | 17 | 14 | | 4 | M 12 x 1 | blank | 26SFTS08MXX |
| | 8 mm | 17 | 17 | 56 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 26SFTS08MXN |
| | 10 mm | 17 | 19 | 56 | 17 | 14 | | 4 | M 14 x 1 | blank | 26SFTS10MXX |
| | 10 mm | 17 | 19 | 56 | 17 | 14 | | 4 | M 14 x 1 | nickel plated | 26SFTS10MXN |
|  Plastic Hose Connection with Spring Guard | 4 x 6 mm | | | 120 | 7 | 6 | 12 | | M 10 x 1 | blank | 26SFKK06MXX |
| | 4 x 6 mm | | | 120 | 7 | 6 | 12 | | M 10 x 1 | nickel plated | 26SFKK06MXN |
| | 6 x 8 mm | | | 127 | 7 | 6 | 12 | | M 12 x 1 | blank | 26SFKK08MXX |
| | 6 x 8 mm | | | 127 | 7 | 6 | 12 | | M 12 x 1 | nickel plated | 26SFKK08MXN |
| | 8 x 10 mm | 17 | | 135 | 9 | 8 | | | M 16 x 1 | blank | 26SFKK10MXX |
| | 8 x 10 mm | 17 | | 135 | 9 | 8 | | | M 16 x 1 | nickel plated | 26SFKK10MXN |
| | 9 x 12 mm | 17 | | 142 | 9 | 8 | | | M 16 x 1 | blank | 26SFKK12MXX |
| | 9 x 12 mm | 17 | | 142 | 9 | 8 | | | M 16 x 1 | nickel plated | 26SFKK12MXN |
|  Recoil Eliminator with Hose Barb | 6 mm | 21 | | 60 | 25 | | | | | blank | 26SRTF06MXX |
| | 6 mm | 21 | | 60 | 25 | | | | | nickel plated | 26SRTF06MXN |
| | 8 mm | 21 | | 60 | 25 | | | | | blank | 26SRTF08MXX |
| | 8 mm | 21 | | 60 | 25 | | | | | nickel plated | 26SRTF08MXN |
| | 9 mm | 21 | | 60 | 25 | | | | | blank | 26SRTF09MXX |
| | 9 mm | 21 | | 60 | 25 | | | | | nickel plated | 26SRTF09MXN |
| | 10 mm | 21 | | 60 | 25 | | | | | blank | 26SRTF10MXX |
| | 10 mm | 21 | | 60 | 25 | | | | | Nickel Plated | 26SRTF10MXN |
| | 13 mm | 21 | | 60 | 25 | | | | | blank | 26SRTF13MXX |
| | 13 mm | 21 | | 60 | 25 | | | | | nickel plated | 26SRTF13MXN |

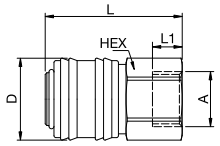
# Couplings – with valve

## Series 26KB



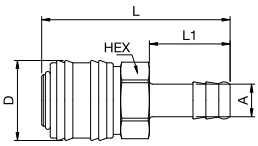

Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 22 | | 43 | 9 | | 25 | | | blank | 26KBAW10MPX |
| G 1/8 | 22 | | 43 | 9 | | 25 | | | nickel plated | 26KBAW10MPN |
| G 1/4 | 22 | | 39 | 9 | | 25 | | | blank | 26KBAW13MPX |
| G 1/4 | 22 | | 39 | 9 | | 25 | | | nickel plated | 26KBAW13MPN |
| G 3/8 | 22 | | 41 | 9 | | 25 | | | blank | 26KBAW17MPX |
| G 3/8 | 22 | | 41 | 9 | | 25 | | | nickel plated | 26KBAW17MPN |
| G 1/2 | 24 | | 42 | 10 | | 25 | | | blank | 26KBAW21MPX |
| G 1/2 | 24 | | 42 | 10 | | 25 | | | nickel plated | 26KBAW21MPN |
| M 16 x 1,5 | 22 | | 43 | 11 | | 25 | | | blank | 26KBAD16MPX |
| M 16 x 1,5 | 22 | | 43 | 11 | | 25 | | | nickel plated | 26KBAD16MPN |
| M 18 x 1,5 | 22 | | 43 | 11 | | 25 | | | blank | 26KBAD18MPX |
| M 18 x 1,5 | 22 | | 43 | 11 | | 25 | | | nickel plated | 26KBAD18MPN |




Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 22 | | 41 | 9 | | 25 | | | blank | 26KBIW13MPX |
| G 1/4 | 22 | | 41 | 9 | | 25 | | | nickel plated | 26KBIW13MPN |
| G 3/8 | 22 | | 41 | 9 | | 25 | | | blank | 26KBIW17MPX |
| G 3/8 | 22 | | 41 | 9 | | 25 | | | nickel plated | 26KBIW17MPN |
| G 1/2 | 24 | | 44 | 10 | | 25 | | | blank | 26KBIW21MPX |
| G 1/2 | 24 | | 44 | 10 | | 25 | | | nickel plated | 26KBIW21MPN |
| M 16 x 1,5 | 22 | | 44 | 9 | | 25 | | | blank | 26KBIM16MPX |
| M 16 x 1,5 | 22 | | 44 | 9 | | 25 | | | nickel plated | 26KBIM16MPN |
| M 18 x 1,5 | 22 | | 44 | 9 | | 25 | | | blank | 26KBIM18MPX |
| M 18 x 1,5 | 22 | | 44 | 9 | | 25 | | | nickel plated | 26KBIM18MPN |

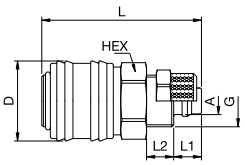



Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | 21 | | 58 | 25 | | 25 | | | blank | 26KBTF06MPX |
| 6 mm | 21 | | 58 | 25 | | 25 | | | nickel plated | 26KBTF06MPN |
| 8 mm | 21 | | 58 | 25 | | 25 | | | blank | 26KBTF08MPX |
| 8 mm | 21 | | 58 | 25 | | 25 | | | nickel plated | 26KBTF08MPN |
| 9 mm | 21 | | 58 | 25 | | 25 | | | blank | 26KBTF09MPX |
| 9 mm | 21 | | 58 | 25 | | 25 | | | nickel plated | 26KBTF09MPN |
| 10 mm | 21 | | 58 | 25 | | 25 | | | blank | 26KBTF10MPX |
| 10 mm | 21 | | 58 | 25 | | 25 | | | nickel plated | 26KBTF10MPN |
| 13 mm | 21 | | 58 | 25 | | 25 | | | blank | 26KBTF13MPX |
| 13 mm | 21 | | 58 | 25 | | 25 | | | nickel plated | 26KBTF13MPN |
| 6 mm Parker | 21 | | 58 | 25 | | 25 | | | blank | 26KBTP06MPX |
| 6 mm Parker | 21 | | 58 | 25 | | 25 | | | nickel plated | 26KBTP06MPN |
| 10 mm Parker | 21 | | 58 | 24 | | 25 | | | blank | 26KBTP10MPX |
| 10 mm Parker | 21 | | 58 | 24 | | 25 | | | nickel plated | 26KBTP10MPN |
| 13 mm Parker | 21 | | 58 | 28 | | 25 | | | blank | 26KBTP13MPX |
| 13 mm Parker | 21 | | 58 | 28 | | 25 | | | nickel plated | 26KBTP13MPN |

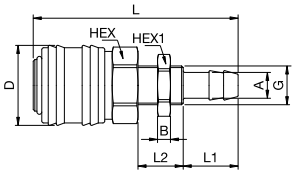
⚠ Please consider our security advices on the pages 12/13 ⚠

## Couplings – with valve — Series 26KB



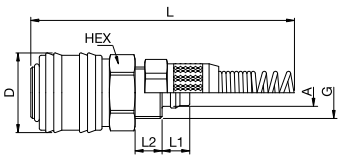

with Plastic Hose Connection

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 x 8 mm | 21 | | 45 | 7 | 6 | 25 | | M 12 x 1 | blank | 26KBKO08MPX |
| 6 x 8 mm | 21 | | 45 | 7 | 6 | 25 | | M 12 x 1 | nickel plated | 26KBKO08MPN |
| 8 x 10 mm | 21 | | 49 | 9 | 8 | 25 | | M 16 x 1 | blank | 26KBKO10MPX |
| 8 x 10 mm | 21 | | 49 | 9 | 8 | 25 | | M 16 x 1 | nickel plated | 26KBKO10MPN |
| 9 x 12 mm | 21 | | 49 | 9 | 8 | 25 | | M 16 x 1 | blank | 26KBKO12MPX |
| 9 x 12 mm | 21 | | 49 | 9 | 8 | 25 | | M 16 x 1 | nickel plated | 26KBKO12MPN |




Panel Mount with Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | 21 | 17 | 60 | 17 | 10 | 25 | 4 | M 12 x 1 | blank | 26KBTS06MPX |
| 6 mm | 21 | 17 | 60 | 17 | 10 | 25 | 4 | M 12 x 1 | nickel plated | 26KBTS06MPN |
| 8 mm | 21 | 17 | 63 | 17 | 14 | 25 | 4 | M 12 x 1 | blank | 26KBTS08MPX |
| 8 mm | 21 | 17 | 63 | 17 | 14 | 25 | 4 | M 12 x 1 | nickel plated | 26KBTS08MPN |
| 10 mm | 21 | 17 | 72 | 25 | 14 | 25 | 4 | G 1/4 | blank | 26KBTS10MPX |
| 10 mm | 21 | 17 | 72 | 25 | 14 | 25 | 4 | G 1/4 | nickel plated | 26KBTS10MPN |




Plastic Hose Connection with Spring Guard

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 x 8 mm | 21 | | 132 | 7 | 6 | 25 | | M 12 x 1 | blank | 26KBKK08MPX |
| 6 x 8 mm | 21 | | 132 | 7 | 6 | 25 | | M 12 x 1 | nickel plated | 26KBKK08MPN |
| 8 x 10 mm | 21 | | 143 | 9 | 8 | 25 | | M 16 x 1 | blank | 26KBKK10MPX |
| 8 x 10 mm | 21 | | 143 | 9 | 8 | 25 | | M 16 x 1 | nickel plated | 26KBKK10MPN |
| 9 x 12 mm | 21 | | 150 | 9 | 8 | 25 | | M 16 x 1 | blank | 26KBKK12MPX |
| 9 x 12 mm | 21 | | 150 | 9 | 8 | 25 | | M 16 x 1 | nickel plated | 26KBKK12MPN |

## Plugs – with valve — Series 26KB

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|

The right plug for series 26KB can be found under series 25KB from page 102.

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

**Nominal Diameter**

# 7,4 = 43 mm²

**Tema Series**

# 1300

**Technical Description**
Series 1300 is used mainly for applications in the area of compressed air and liquids. Optimally suited to smaller to medium-sized pneumatic systems and to compressed air tools. The coupling series stands out for its compact design and high flow rates with the UltraFlo valve. Coupling body made of nitrocarburized steel.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. 1315-QC
for Plug Part.-No. 1325-QC

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

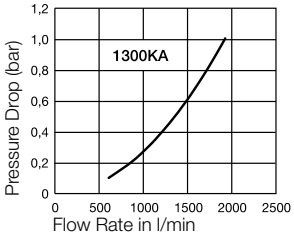
**Other designs in series 1300**
The following other designs can be found from page:

➤ Stainless Steel P. 204

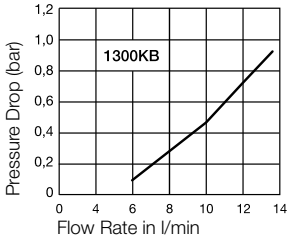
| | KA Single Shut-Off | KB Double Shut-Off |
|---|---|---|
| **Working Pressure**** | 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 50 bar |
| **Features** | • Single-hand operation | • Two-hand operation<br>• Special sealing system in the coupling increases the service life of the coupling |
| **Material** | **Coupling:** Brass nickel plated and chrome plated<br>**Plug:** Steel zinc plated<br>**Seals:** NBR | **Coupling:** Brass nickel plated and chrome plated<br>**Plug:** Brass nickel plated and chrome plated<br>**Seals:** NBR |
| **Interchangeability** | • Rectus Serie 31<br>• Cejn 303 | |

**Flow diagrams**

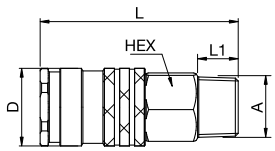
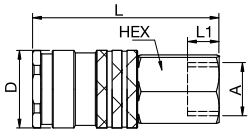
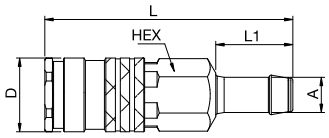
**Air**



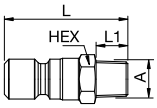
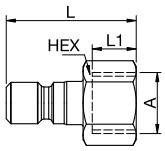
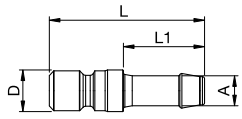
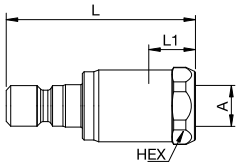

**Water**



## Couplings – with valve — Series 1300KA

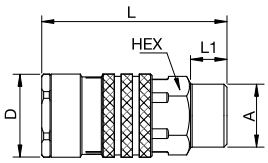
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 58 | 12 | | 22 | | | | 1300KAAK13MPN |
| | R 3/8 | 19 | | 56 | 12 | | 22 | | | | 1300KAAK17MPN |
| | R 1/2 | 23 | | 59 | 14 | | 26 | | | | 1300KAAK21MPN |
|  Female Thread | G 1/4 | 19 | | 55 | 9 | | 22 | | | | 1300KAIW13MPN |
| | G 3/8 | 20 | | 55 | 10 | | 22 | | | | 1300KAIW17MPN |
|  Hose Barb | 6 mm | 19 | | 78 | 23 | | 22 | | | | 1300KATF06MPN |
| | 8 mm | 19 | | 78 | 23 | | 22 | | | | 1300KATF08MPN |
| | 10 mm | 19 | | 78 | 23 | | 22 | | | | 1300KATF10MPN |
| | 13 mm | 19 | | 77 | 24 | | 22 | | | | 1300KATF13MPN |

## Plugs – without valve — Series 1300KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | | 35 | 9 | | | | | | 1300SFAK10SXZ |
| | R 1/4 | 17 | | 38 | 12 | | | | | | 1300SFAK13SXZ |
| | G 1/4 | 17 | | 35 | 12 | | | | | | 1300SFAW13SXZ |
| | R 3/8 | 17 | | 38 | 12 | | | | | | 1300SFAK17SXZ |
| | R 1/2 | 22 | | 40 | 14 | | | | | | 1300SFAK21SXZ |
|  Female Thread | G 1/8 | 13 | | 32 | 8,5 | | | | | | 1300SFIW10SXZ |
| | G 1/4 | 17 | | 36 | 10 | | | | | | 1300SFIW13SXZ |
| | G 3/8 | 22 | | 36 | 10 | | | | | | 1300SFIW17SXZ |
| | G 1/2 | 27 | | 39 | 12 | | | | | | 1300SFIW21SXZ |
|  Hose Barb | 6 mm | | | 44 | 23 | | 12 | | | | 1300SFTF06SXZ |
| | 8 mm | | | 44 | 23 | | 12 | | | | 1300SFTF08SXZ |
| | 10 mm | | | 44 | 24 | | 12 | | | | 1300SFTF10SXZ |
| | 12 mm | | | 47 | 23 | | 12 | | | | 1300SFTF12SXZ |
|  Recoil Eliminator, with Female Thread | G 1/4 | 20 | | 53 | 12 | | | | | | 1300SRIW13SXZ |

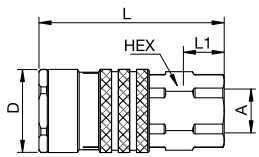
⚠ Please consider our security advices on the pages 12/13 ⚠

## Couplings – with valve — Series 1300KB



Male Thread

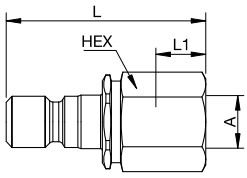
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| R 3/8 | 18 | | 49 | 7,5 | | 22 | | | | 1300KBAK17MPN |



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 18 | | 49 | 8 | | 22 | | | | 1300KBIW13MPN |
| G 3/8 | 18 | | 50 | 8 | | 22 | | | | 1300KBIW17MPN |

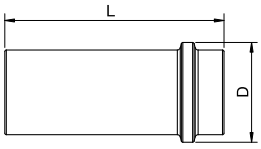
## Plugs – with valve — Series 1300KB



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 18 | | 44 | 9 | | | | | | 1300SBIW13MPC |

## Protective Sleeve — Series 1300KB



Female Thread

| Description | L mm | L1 mm | L2 mm | D mm | B mm | Material | Color | Part Number |
|---|---|---|---|---|---|---|---|---|
| for Couplings 1300KB | 73 | | | 33 | | EBA | blue | 1300-351 |

# Cross-Reference-List

| Connection | Thread | Rectus Part Number old | Tema Part Number old | Part Number new | Page |
|---|---|---|---|---|---|
| **Couplings – with valve** | | | | | |
| Male Thread | R 1/4 | 31KAAK13SPN | 1300 EC | **1300KAAK13MPN** | 75 |
| | R 3/8 | 31KAAK17SPN | 1300 EA | **1300KAAK17MPN** | 75 |
| | R 1/2 | 31KAAK21SPN | 1300 ED | **1300KAAK21MPN** | 75 |
| Female Thread | G 1/4 | 31KAIW13SPN | 1300 E | **1300KAIW13MPN** | 75 |
| | G 3/8 | 31KAIW17SPN | 1300 EB | **1300KAIW17MPN** | 75 |
| Hose Barb | 6 mm | 31KATF06SPN | 1300 EK06 | **1300KATF06MPN** | 75 |
| | 8 mm | 31KATF08SPN | 1300 EK08 | **1300KATF08MPN** | 75 |
| | 10 mm | 31KATF10SPN | 1300 EK10 | **1300KATF10MPN** | 75 |
| | 13 mm | 31KATF13SPN | 1300 EK12 | **1300KATF13MPN** | 75 |
| **Plugs – without valve** | | | | | |
| Male Thread | R 1/8 | 31SFAK10SXZ | 13110-QC | **1300SFAK10SXZ** | 75 |
| | R 1/4 | 31SFAK13SXZ | 13210 A | **1300SFAK13SXZ** | 75 |
| | G 1/4 | 31SFAW13SXZ | 13210-QC | **1300SFAW13SXZ** | 75 |
| | R 3/8 | 31SFAK17SXZ | 13220 | **1300SFAK17SXZ** | 75 |
| | R 1/2 | 31SFAK21SXZ | 13230 | **1300SFAK21SXZ** | 75 |
| Female Thread | G 1/8 | 31SFIW10SXZ | 13405 | **1300SFIW10SXZ** | 75 |
| | G 1/4 | 31SFIW13SXZ | 13410 | **1300SFIW13SXZ** | 75 |
| | G 3/8 | 31SFIW17SXZ | 13420 | **1300SFIW17SXZ** | 75 |
| | G 1/2 | 31SFIW21SXZ | 13430-QC | **1300SFIW21SXZ** | 75 |
| Hose Barb | 6 mm | 31SFTF06SXZ | 13006 | **1300SFTF06SXZ** | 75 |
| | 8 mm | 31SFTF08SXZ | 13008-QC | **1300SFTF08SXZ** | 75 |
| | 10 mm | 31SFTF10SXZ | 13010-QC | **1300SFTF10SXZ** | 75 |
| | 12 mm | 31SFTF13SXZ | 13012-QC | **1300SFTF12SXZ** | 75 |
| Recoil Eliminator | G 1/4 | - | 13410 S | **1300SRIW13SXZ** | 75 |
| | | | | | |
| **Couplings – with valve** | | | | | |
| Male Thread | R 3/8 | - | 1300 NA | **1300KBAK17MPN** | 76 |
| Female Thread | G 1/4 | - | 1300 N | **1300KBIW13MPN** | 76 |
| | G 3/8 | - | 1300 NB | **1300KBIW17MPN** | 76 |
| **Plugs – with valve** | | | | | |
| Female Thread | G 1/4 | - | 13410 MN | **1300SBIW13MPC** | 76 |
| | | | | | |

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

**Nominal Diameter**

# 7,5 = 45 mm²

**Rectus Series**

# 13

**Technical Description**
Robust brass coupling with Japanese industrial profile.
Coupling system with single-hand operation. Above average flow volumes and structure resistant to the effects of external forces.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

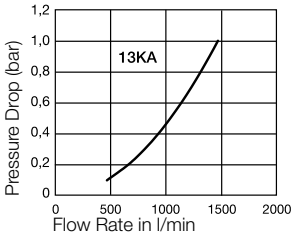
## KA Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

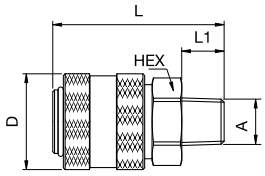
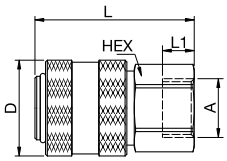
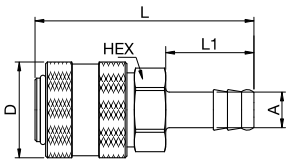
### Material
**Coupling:** Brass
**Plug:** Steel nickel plated
**Seals:** NBR

### Interchangeability
- Nitto-Kohki 200
- Cejn 314
- Cejn 315

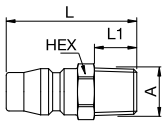
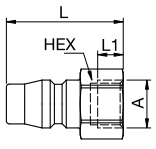
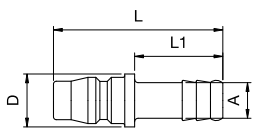
### Flow diagrams
**Air**



## Coupling – with valve — Series 13KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 22 | | 49 | 12 | | 27 | | | blank | 13KAAK13MPX |
| | R 1/4 | 22 | | 49 | 12 | | 27 | | | nickel plated | 13KAAK13MPN |
| | R 3/8 | 22 | | 49 | 12 | | 27 | | | blank | 13KAAK17MPX |
| | R 3/8 | 22 | | 49 | 12 | | 27 | | | nickel plated | 13KAAK17MPN |
| | R 1/2 | 22 | | 53 | 17 | | 27 | | | blank | 13KAAK21MPX |
| | R 1/2 | 22 | | 53 | 17 | | 27 | | | nickel plated | 13KAAK21MPN |
|  Female Thread | G 1/4 | 22 | | 45 | 9 | | 27 | | | blank | 13KAIW13MPX |
| | G 1/4 | 22 | | 45 | 9 | | 27 | | | nickel plated | 13KAIW13MPN |
| | G 3/8 | 22 | | 45 | 9 | | 27 | | | blank | 13KAIW17MPX |
| | G 3/8 | 22 | | 45 | 9 | | 27 | | | nickel plated | 13KAIW17MPN |
| | G 1/2 | 24 | | 48 | 12 | | 27 | | | blank | 13KAIW21MPX |
| | G 1/2 | 24 | | 48 | 12 | | 27 | | | nickel plated | 13KAIW21MPN |
|  Hose Barb | 6 mm | 21 | | 62 | 25 | | 27 | | | blank | 13KATF06MPX |
| | 6 mm | 21 | | 62 | 25 | | 27 | | | nickel plated | 13KATF06MPN |
| | 8 mm | 21 | | 62 | 25 | | 27 | | | blank | 13KATF08MPX |
| | 8 mm | 21 | | 62 | 25 | | 27 | | | nickel plated | 13KATF08MPN |
| | 10 mm | 21 | | 62 | 25 | | 27 | | | blank | 13KATF10MPX |
| | 10 mm | 21 | | 62 | 25 | | 27 | | | nickel plated | 13KATF10MPN |
| | 13 mm | 21 | | 62 | 25 | | 27 | | | blank | 13KATF13MPX |
| | 13 mm | 21 | | 62 | 25 | | 27 | | | nickel plated | 13KATF13MPN |

## Plugs – without valve — Series 13KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 14 | | 37 | 12 | | | | | | 13SFAK13SXN |
| | R 3/8 | 17 | | 37 | 12 | | | | | | 13SFAK17SXN |
| | R 1/2 | 22 | | 44 | 17 | | | | | | 13SFAK21SXN |
|  Female Thread | G 1/4 | 17 | | 34 | 9 | | | | | | 13SFIW13SXN |
| | G 3/8 | 19 | | 34 | 9 | | | | | | 13SFIW17SXN |
|  Hose Barb | 6 mm | | | 48 | 25 | | 15 | | | | 13SFTF06SXN |
| | 8 mm | | | 48 | 25 | | 15 | | | | 13SFTF08SXN |
| | 10 mm | | | 48 | 25 | | 15 | | | | 13SFTF10SXN |
| | 13 mm | | | 48 | 25 | | 15 | | | | 13SFTF13SXN |

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

**Nominal Diameter**

# 7,8 = 48 mm²

**Rectus Series**

# 25

**Technical Description**
Universal industrial coupling with standard European profile.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. The series stands out for its robust design and long service life even with the harshest use.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S
for Plug Part.-No. SK12S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

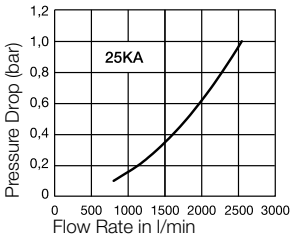
**Other designs in series 25**
The following other designs can be found from page:

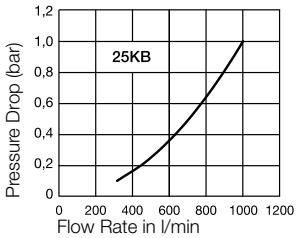

➤ Stainless Steel P. 208
➤ Safety P. 274
➤ Safety Self-Venting P. 294
➤ Coded Systems P. 302

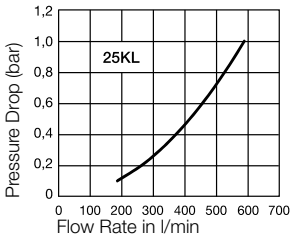

| KA Single Shut-Off | KB Double Shut-Off | KL Leak-Free |
|---|---|---|
| **Working Pressure**** | | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar | 8 bar |
| **Features** | | |
| • Brass coupling and plug for use with water<br>• Robust coupling system with steel sleeve | | • Minimal, almost imperceptible leakage when uncoupling<br>• No air locked into the system during the coupling process<br>• Brass valved plug available blank |
| **Material** | | |
| **Coupling:** Brass / Steel nickel plated<br>**Plug:** Steel zinc plated or Brass (Serie 26)<br>**Seals:** NBR | **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR | **Coupling:** Brass nickel plated<br>**Plug:** Brass nickel plated<br>**Seals:** NBR |
| **Interchangeability** | | |
| • Rectus 26<br>• Rectus 1600/1625<br>• Cejn 320<br>• JWL 520 + JWL 530<br>• various German Products | | |

**Flow diagrams**

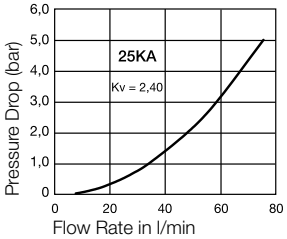
**Air**

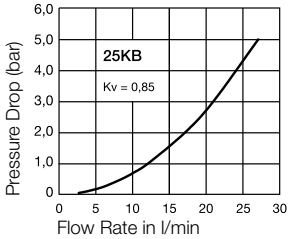


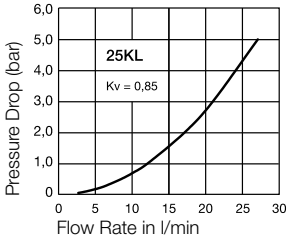




**Water**

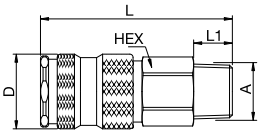
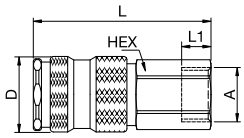
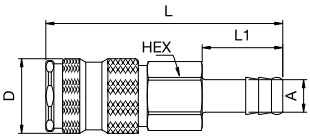
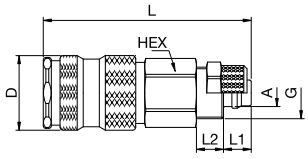
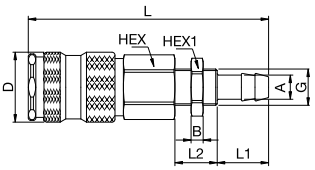
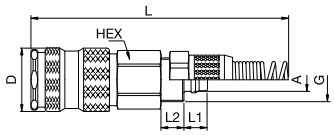


# Coupling – with valve

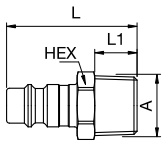
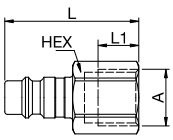
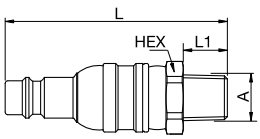
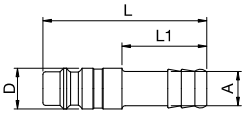
## Series 25KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 60 | 12 | | 23 | | | | 25KAAK13MPN |
| | R 3/8 | 19 | | 60 | 12 | | 23 | | | | 25KAAK17MPN |
| | R 1/2 | 22 | | 61 | 17 | | 23 | | | | 25KAAK21MPN |
| | M 14 x 1,5 | 19 | | 59 | 10 | | 23 | | | | 25KAAD14MPN |
| | M 16 x 1,5 | 19 | | 60 | 11 | | 23 | | | | 25KAAD16MPN |
| | M 18 x 1,5 | 19 | | 60 | 11 | | 23 | | | | 25KAAD18MPN |
|  Female Thread | G 1/4 | 19 | | 56 | 10 | | 23 | | | | 25KAIW13MPN |
| | G 3/8 | 19 | | 55 | 9 | | 23 | | | | 25KAIW17MPN |
| | G 1/2 | 24 | | 58 | 12 | | 23 | | | | 25KAIW21MPN |
| | M 14 x 1,5 | 19 | | 55 | 9 | | 23 | | | | 25KAIM14MPN |
| | M 16 x 1,5 | 19 | | 55 | 9 | | 23 | | | | 25KAIM16MPN |
| | M 18 x 1,5 | 22 | | 56 | 9 | | 23 | | | | 25KAIM18MPN |
|  Hose Barb | 6 mm | 19 | | 74 | 25 | | 23 | | | | 25KATF06MPN |
| | 8 mm | 19 | | 74 | 25 | | 23 | | | | 25KATF08MPN |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | | 25KATF09MPN |
| | 10 mm | 19 | | 74 | 25 | | 23 | | | | 25KATF10MPN |
| | 13 mm | 19 | | 74 | 25 | | 23 | | | | 25KATF13MPN |
| | 6 mm Parker | 19 | | 69 | 20 | | 23 | | | | 25KATP06MPN |
| | 10 mm Parker | 19 | | 73 | 24 | | 23 | | | | 25KATP10MPN |
| | 13 mm Parker | 19 | | 76 | 28 | | 23 | | | | 25KATP13MPN |
|  with Plastic Hose Connection | 6 x 8 mm | 19 | | 61 | 7 | 6 | 23 | | M 12 x 1 | | 25KAKO08MPN |
| | 8 x 10 mm | 19 | | 65 | 9 | 8 | 23 | | M 16 x 1 | | 25KAKO10MPN |
| | 9 x 12 mm | 19 | | 65 | 9 | 8 | 23 | | M 16 x 1 | | 25KAKO12MPN |
|  Panel Mount with Hose Barb | 6 mm | 19 | 17 | 76 | 17 | 10 | 23 | 4 | M 12 x 1 | | 25KATS06MPN |
| | 8 mm | 19 | 17 | 80 | 17 | 14 | 23 | 4 | M 12 x 1 | | 25KATS08MPN |
| | 10 mm | 19 | 17 | 87 | 25 | 14 | 23 | 4 | G 1/4 | | 25KATS10MPN |
|  Plastic Hose Connection with Spring Guard | 6 x 8 mm | 19 | | 144 | 7 | 6 | 23 | | M 12 x 1 | | 25KAKK08MPN |
| | 8 x 10 mm | 19 | | 155 | 9 | 8 | 23 | | M 16 x 1 | | 25KAKK10MPN |
| | 9 x 12 mm | 19 | | 162 | 9 | 8 | 23 | | M 16 x 1 | | 25KAKK12MPN |

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

# Plugs – without valve

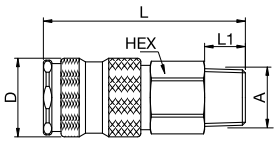
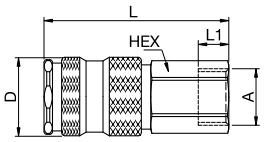
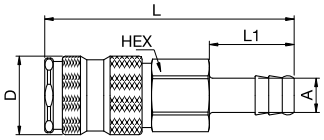
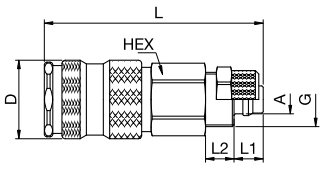
## Series 25KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | | 33 | 9 | | | | | | 25SFAK10SXZ |
| | R 1/4 | 14 | | 36,5 | 12 | | | | | | 25SFAK13SXZ |
| | R 3/8 | 17 | | 37 | 12 | | | | | | 25SFAK17SXZ |
| | R 1/2 | 22 | | 43 | 17 | | | | | | 25SFAK21SXZ |
| | M 14 x 1,5 | 17 | | 35 | 10 | | | | | | 25SFAD14SXZ |
| | M 16 x 1,5 | 19 | | 36 | 11 | | | | | | 25SFAD16SXZ |
| | M 18 x 1,5 | 22 | | 37 | 11 | | | | | | 25SFAD18SXZ |
|  Female Thread | G 1/8 | 14 | | 30 | 5 | | | | | | 25SFIW10SXZ |
| | G 1/4 | 17 | | 38,5 | 12 | | | | | | 25SFIW13SXZ |
| | G 3/8 | 19 | | 39,5 | 12 | | | | | | 25SFIW17SXZ |
| | G 1/2 | 24 | | 44 | 14 | | | | | | 25SFIW21SXZ |
| | M 14 x 1,5 | 17 | | 33 | 8 | | | | | | 25SFIM14SXZ |
| | M 16 x 1,5 | 19 | | 33 | 10 | | | | | | 25SFIM16SXZ |
| | M 18 x 1,5 | 22 | | 36 | 13 | | | | | | 25SFIM18SXZ |
|  Flex Joint, Male Thread | R 1/4 | 17 | | 64 | 11 | | | | | nickel plated | 25FAAK13SPN |
|  Hose Barb | 6 mm | | | 48 | 25 | | 12 | | | | 25SFTF06SXZ |
| | 8 mm | | | 48 | 25 | | 12 | | | | 25SFTF08SXZ |
| | 9 mm | | | 48 | 25 | | 12 | | | | 25SFTF09SXZ |
| | 10 mm | | | 48 | 25 | | 12 | | | | 25SFTF10SXZ |
| | 13 mm | | | 48 | 25 | | 15 | | | | 25SFTF13SXZ |

The right plug in brass design can be found under series 26 from page 87.

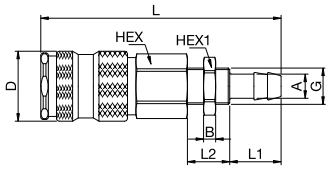
# Coupling – with valve



| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 60 | 12 | | 23 | | | blank | 25KBAK13BPX |
| | R 1/4 | 19 | | 60 | 12 | | 23 | | | nickel plated | 25KBAK13BPN |
| | R 3/8 | 19 | | 59 | 10,5 | | 23 | | | blank | 25KBAK17BPX |
| | R 3/8 | 19 | | 59 | 10,5 | | 23 | | | nickel plated | 25KBAK17BPN |
| | R 1/2 | 22 | | 57,5 | 9 | | 23 | | | blank | 25KBAK21BPX |
| | R 1/2 | 22 | | 57,5 | 9 | | 23 | | | nickel plated | 25KBAK21BPN |
| | M 14 x 1,5 | 19 | | 59 | 10 | | 23 | | | blank | 25KBAD14BPX |
| | M 14 x 1,5 | 19 | | 59 | 10 | | 23 | | | nickel plated | 25KBAD14BPN |
| | M 16 x 1,5 | 19 | | 60 | 11 | | 23 | | | blank | 25KBAD16BPX |
| | M 16 x 1,5 | 19 | | 60 | 11 | | 23 | | | nickel plated | 25KBAD16BPN |
| | M 18 x 1,5 | 19 | | 60 | 11 | | 23 | | | blank | 25KBAD18BPX |
| | M 18 x 1,5 | 19 | | 60 | 11 | | 23 | | | nickel plated | 25KBAD18BPN |
|  Female Thread | G 1/4 | 19 | | 56 | 10 | | 23 | | | blank | 25KBIW13BPX |
| | G 1/4 | 19 | | 56 | 10 | | 23 | | | nickel plated | 25KBIW13BPN |
| | G 3/8 | 19 | | 55 | 9 | | 23 | | | blank | 25KBIW17BPX |
| | G 3/8 | 19 | | 55 | 9 | | 23 | | | nickel plated | 25KBIW17BPN |
| | G 1/2 | 24 | | 58 | 12 | | 23 | | | blank | 25KBIW21BPX |
| | G 1/2 | 24 | | 58 | 12 | | 23 | | | nickel plated | 25KBIW21BPN |
| | M 16 x 1,5 | 19 | | 55 | 9 | | 23 | | | blank | 25KBIM16BPX |
| | M 16 x 1,5 | 19 | | 55 | 9 | | 23 | | | nickel plated | 25KBIM16BPN |
| | M 18 x 1,5 | 22 | | 56 | 9 | | 23 | | | blank | 25KBIM18BPX |
| | M 18 x 1,5 | 22 | | 56 | 9 | | 23 | | | nickel plated | 25KBIM18BPN |
|  Hose Barb | 6 mm | 19 | | 74 | 25 | | 23 | | | blank | 25KBTF06BPX |
| | 6 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 25KBTF06BPN |
| | 8 mm | 19 | | 74 | 25 | | 23 | | | blank | 25KBTF08BPX |
| | 8 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 25KBTF08BPN |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | blank | 25KBTF09BPX |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 25KBTF09BPN |
| | 10 mm | 19 | | 74 | 25 | | 23 | | | blank | 25KBTF10BPX |
| | 10 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 25KBTF10BPN |
| | 13 mm | 19 | | 74 | 25 | | 23 | | | blank | 25KBTF13BPX |
| | 13 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 25KBTF13BPN |
| | 10 mm Parker | 19 | | 73 | 24 | | 23 | | | blank | 25KBTP10BPX |
| | 10 mm Parker | 19 | | 73 | 24 | | 23 | | | nickel plated | 25KBTP10BPN |
| | 13 mm Parker | 19 | | 76 | 28 | | 23 | | | blank | 25KBTP13BPX |
| | 13 mm Parker | 19 | | 76 | 28 | | 23 | | | nickel plated | 25KBTP13BPN |
|  with Plastic Hose Connection | 8 x 10 mm | 19 | | 65 | 9 | 8 | 23 | | M 16 x 1 | blank | 25KBKO10BPX |
| | 8 x 10 mm | 19 | | 65 | 9 | 8 | 23 | | M 16 x 1 | nickel plated | 25KBKO10BPN |
| | 9 x 12 mm | 19 | | 65 | 9 | 8 | 23 | | M 16 x 1 | blank | 25KBKO12BPX |
| | 9 x 12 mm | 19 | | 65 | 9 | 8 | 23 | | M 16 x 1 | nickel plated | 25KBKO12BPN |

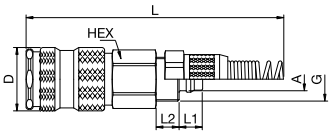
⚠ Please consider our security advices on the pages 12/13 ⚠

## Coupling – with valve — Series 25KB




Panel Mount with Hose Barb

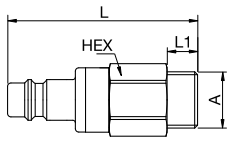
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | 19 | 17 | 76 | 17 | 10 | 23 | 4 | M 12 x 1 | blank | 25KBTS06BPX |
| 6 mm | 19 | 17 | 76 | 17 | 10 | 23 | 4 | M 12 x 1 | nickel plated | 25KBTS06BPN |
| 8 mm | 19 | 17 | 80 | 17 | 14 | 23 | 4 | M 12 x 1 | blank | 25KBTS08BPX |
| 8 mm | 19 | 17 | 80 | 17 | 14 | 23 | 4 | M 12 x 1 | nickel plated | 25KBTS08BPN |
| 10 mm | 19 | 17 | 76 | 17 | 10 | 23 | 4 | M 12 x 1 | blank | 25KBTS10BPX |
| 10 mm | 19 | 17 | 76 | 17 | 10 | 23 | 4 | M 12 x 1 | nickel plated | 25KBTS10BPN |




Plastic Hose Connection with Spring Guard

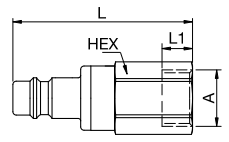
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 x 8 mm | 19 | | 144 | 7 | 6 | 23 | | M 12 x 1 | blank | 25KBKK08BPX |
| 6 x 8 mm | 19 | | 144 | 7 | 6 | 23 | | M 12 x 1 | nickel plated | 25KBKK08BPN |
| 9 x 12 mm | 19 | | 162 | 9 | 8 | 23 | | M 16 x 1 | blank | 25KBKK12BPX |
| 9 x 12 mm | 19 | | 162 | 9 | 8 | 23 | | M 16 x 1 | nickel plated | 25KBKK12BPN |

## Plugs – with valve — Series 25KB




Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 22 | | 44,5 | 9 | | | | | blank | 25SBAW10MPX |
| G 1/8 | 22 | | 44,5 | 9 | | | | | nickel plated | 25SBAW10MPN |
| G 1/4 | 22 | | 43 | 9 | | | | | blank | 25SBAW13MPX |
| G 1/4 | 22 | | 43 | 9 | | | | | nickel plated | 25SBAW13MPN |
| G 3/8 | 22 | | 43 | 9 | | | | | blank | 25SBAW17MPX |
| G 3/8 | 22 | | 43 | 9 | | | | | nickel plated | 25SBAW17MPN |
| G 1/2 | 22 | | 46 | 12 | | | | | blank | 25SBAW21MPX |
| G 1/2 | 22 | | 46 | 12 | | | | | nickel plated | 25SBAW21MPN |
| M 14 x 1,5 | 22 | | 44 | 10 | | | | | blank | 25SBAD14MPX |
| M 14 x 1,5 | 22 | | 44 | 10 | | | | | nickel plated | 25SBAD14MPN |
| M 16 x 1,5 | 22 | | 45 | 11 | | | | | blank | 25SBAD16MPX |
| M 16 x 1,5 | 22 | | 45 | 11 | | | | | nickel plated | 25SBAD16MPN |
| M 18 x 1,5 | 22 | | 45 | 11 | | | | | blank | 25SBAD18MPX |
| M 18 x 1,5 | 22 | | 45 | 11 | | | | | nickel plated | 25SBAD18MPN |

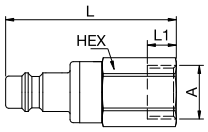
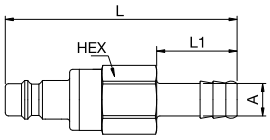
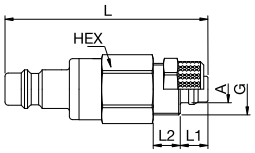
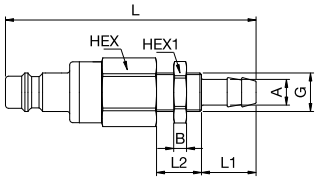
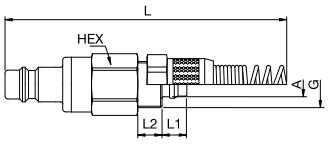



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 22 | | 43 | 10 | | | | | blank | 25SBIW13MPX |
| G 1/4 | 22 | | 43 | 10 | | | | | nickel plated | 25SBIW13MPN |
| G 3/8 | 22 | | 43 | 9 | | | | | blank | 25SBIW17MPX |
| G 3/8 | 22 | | 43 | 9 | | | | | nickel plated | 25SBIW17MPN |
| G 1/2 | 24 | | 46 | 9 | | | | | blank | 25SBIW21MPX |
| G 1/2 | 24 | | 46 | 9 | | | | | nickel plated | 25SBIW21MPN |
| M 14 x 1,5 | 22 | | 43 | 9 | | | | | blank | 25SBIM14MPX |
| M 14 x 1,5 | 22 | | 43 | 9 | | | | | nickel plated | 25SBIM14MPN |

# Plugs – with valve

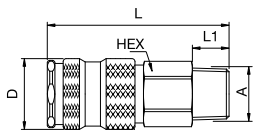
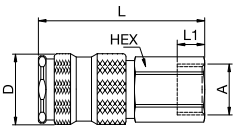
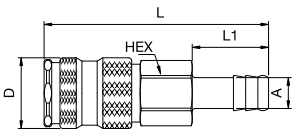
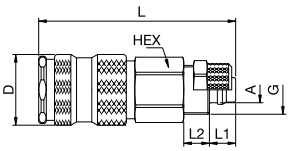
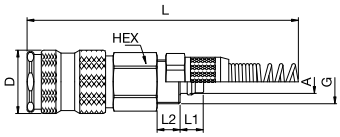
## Series 25KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | M 16 x 1,5 | 22 | | 43 | 9 | | | | | blank | 25SBIM16MPX |
| | M 16 x 1,5 | 22 | | 43 | 9 | | | | | nickel plated | 25SBIM16MPN |
| | M 18 x 1,5 | 22 | | 43 | 9 | | | | | blank | 25SBIM18MPX |
| | M 18 x 1,5 | 22 | | 43 | 9 | | | | | nickel plated | 25SBIM18MPN |
|  Hose Barb | 6 mm | 21 | | 60 | 25 | | | | | blank | 25SBTF06MPX |
| | 6 mm | 21 | | 60 | 25 | | | | | nickel plated | 25SBTF06MPN |
| | 8 mm | 21 | | 60 | 25 | | | | | blank | 25SBTF08MPX |
| | 8 mm | 21 | | 60 | 25 | | | | | nickel plated | 25SBTF08MPN |
| | 9 mm | 21 | | 60 | 25 | | | | | blank | 25SBTF09MPX |
| | 9 mm | 21 | | 60 | 25 | | | | | nickel plated | 25SBTF09MPN |
| | 10 mm | 21 | | 60 | 25 | | | | | blank | 25SBTF10MPX |
| | 10 mm | 21 | | 60 | 25 | | | | | nickel plated | 25SBTF10MPN |
| | 13 mm | 21 | | 60 | 25 | | | | | blank | 25SBTF13MPX |
| | 13 mm | 21 | | 60 | 25 | | | | | nickel plated | 25SBTF13MPN |
| | 6 mm Parker | 19 | | 67,5 | 20,5 | | | | | blank | 25SBTP06MPX |
| | 6 mm Parker | 19 | | 67,5 | 20,5 | | | | | nickel plated | 25SBTP06MPN |
| | 10 mm Parker | 19 | | 71 | 24 | | | | | blank | 25SBTP10MPX |
| | 10 mm Parker | 19 | | 71 | 24 | | | | | nickel plated | 25SBTP10MPN |
| | 13 mm Parker | 19 | | 83 | 28 | | | | | blank | 25SBTP13MPX |
| | 13 mm Parker | 19 | | 83 | 28 | | | | | nickel plated | 25SBTP13MPN |
|  with Plastic Hose Connection | 4 x 6 mm | 21 | | 47 | 7 | 6 | | | M 10 x 1 | blank | 25SBKO06MPX |
| | 4 x 6 mm | 21 | | 47 | 7 | 6 | | | M 10 x 1 | nickel plated | 25SBKO06MPN |
| | 6 x 8 mm | 21 | | 47 | 7 | 6 | | | M 12 x 1 | blank | 25SBKO08MPX |
| | 6 x 8 mm | 21 | | 47 | 7 | 6 | | | M 12 x 1 | nickel plated | 25SBKO08MPN |
| | 8 x 10 mm | 21 | | 51 | 8,5 | 8,5 | | | M 16 x 1 | blank | 25SBKO10MPX |
| | 8 x 10 mm | 21 | | 51 | 8,5 | 8,5 | | | M 16 x 1 | nickel plated | 25SBKO10MPN |
| | 9 x 12 mm | 21 | | 51 | 8,5 | 8,5 | | | M 16 x 1 | blank | 25SBKO12MPX |
| | 9 x 12 mm | 21 | | 51 | 8,5 | 8,5 | | | M 16 x 1 | nickel plated | 25SBKO12MPN |
|  Panel Mount with Hose Barb | 6 mm | 21 | 17 | 62 | 17 | 10 | | 4 | M 12 x 1 | blank | 25SBTS06MPX |
| | 6 mm | 21 | 17 | 62 | 17 | 10 | | 4 | M 12 x 1 | nickel plated | 25SBTS06MPN |
| | 8 mm | 21 | 17 | 65 | 17 | 14 | | 4 | M 12 x 1 | blank | 25SBTS08MPX |
| | 8 mm | 21 | 17 | 65 | 17 | 14 | | 4 | M 12 x 1 | nickel plated | 25SBTS08MPN |
| | 10 mm | 21 | 17 | 74 | 25 | 14 | | 3,5 | G 1/4 | blank | 25SBTS10MPX |
| | 10 mm | 21 | 17 | 74 | 25 | 14 | | 3,5 | G 1/4 | nickel plated | 25SBTS10MPN |
|  Plastic Hose Connection with Spring Guard | 4 x 6 mm | 19 | | 120 | 7 | 6 | | | M 10 x 1 | blank | 25SBKK06MPX |
| | 4 x 6 mm | 19 | | 120 | 7 | 6 | | | M 10 x 1 | nickel plated | 25SBKK06MPN |
| | 6 x 8 mm | 19 | | 135 | 7 | 6 | | | M 12 x 1 | blank | 25SBKK08MPX |
| | 6 x 8 mm | 19 | | 135 | 7 | 6 | | | M 12 x 1 | nickel plated | 25SBKK08MPN |
| | 8 x 10 mm | 19 | | 145 | 8,5 | 8,5 | | | M 16 x 1 | blank | 25SBKK10MPX |
| | 8 x 10 mm | 19 | | 145 | 8,5 | 8,5 | | | M 16 x 1 | nickel plated | 25SBKK10MPN |
| | 9 x 12 mm | 19 | | 150 | 8,5 | 8,5 | | | M 16 x 1 | blank | 25SBKK12MPX |
| | 9 x 12 mm | 19 | | 150 | 8,5 | 8,5 | | | M 16 x 1 | nickel plated | 25SBKK12MPN |

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

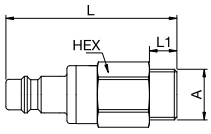
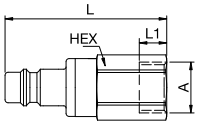
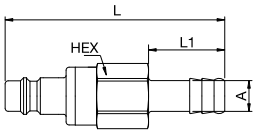
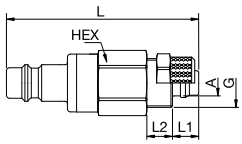
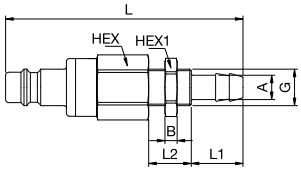
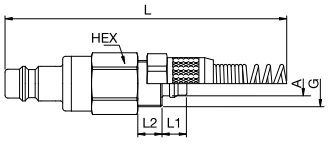
# Coupling – flat-sealing

## Series 25KL

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 60 | 12 | | 23 | | | | 25KLAK13BPN |
| | R 3/8 | 19 | | 60 | 12 | | 23 | | | | 25KLAK17BPN |
| | R 1/2 | 22 | | 61 | 17 | | 23 | | | | 25KLAK21BPN |
|  Female Thread | G 1/4 | 19 | | 56 | 10 | | 23 | | | | 25KLIW13BPN |
| | G 3/8 | 19 | | 55 | 9 | | 23 | | | | 25KLIW17BPN |
| | G 1/2 | 24 | | 58 | 12 | | 23 | | | | 25KLIW21BPN |
| | M 14 x 1,5 | 19 | | 55 | 9 | | 23 | | | | 25KLIM14BPN |
| | M 16 x 1,5 | 19 | | 55 | 9 | | 23 | | | | 25KLIM16BPN |
| | M 18 x 1,5 | 22 | | 56 | 9 | | 23 | | | | 25KLIM18BPN |
|  Hose Barb | 6 mm | 19 | | 74 | 25 | | 23 | | | | 25KLTF06BPN |
| | 8 mm | 19 | | 74 | 25 | | 23 | | | | 25KLTF08BPN |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | | 25KLTF09BPN |
| | 10 mm | 19 | | 74 | 25 | | 23 | | | | 25KLTF10BPN |
| | 13 mm | 19 | | 74 | 25 | | 23 | | | | 25KLTF13BPN |
|  with Plastic Hose Connection | 6 x 8 mm | 19 | | 61 | 7 | 6 | 23 | | M 12 x 1 | | 25KLKO08BPN |
| | 8 x 10 mm | 19 | | 64,5 | 9 | 8 | 23 | | M 16 x 1 | | 25KLKO10BPN |
| | 9 x 12 mm | 19 | | 64,5 | 9 | 8 | 23 | | M 16 x 1 | | 25KLKO12BPN |
|  Plastic Hose Connection with Spring Guard | 6 x 8 mm | 19 | | 144 | 7 | 6 | 23 | | M 12 x 1 | | 25KLKK08BPN |
| | 8 x 10 mm | 19 | | 155 | 9 | 8 | 23 | | M 16 x 1 | | 25KLKK10BPN |
| | 9 x 12 mm | 19 | | 162 | 9 | 8 | 23 | | M 16 x 1 | | 25KLKK12BPN |

# Plugs – flat-sealing

## Series 25KL

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 22 | | 43 | 9 | | | | | | 25SLAW13MPN |
| | G 3/8 | 22 | | 43 | 9 | | | | | | 25SLAW17MPN |
| | G 1/2 | 22 | | 46 | 12 | | | | | | 25SLAW21MPN |
| | M 14 x 1,5 | 22 | | 44 | 10 | | | | | | 25SLAD14MPN |
| | M 16 x 1,5 | 22 | | 45 | 11 | | | | | | 25SLAD16MPN |
| | M 18 x 1,5 | 22 | | 45 | 11 | | | | | | 25SLAD18MPN |
|  Female Thread | G 1/4 | 22 | | 43 | 10 | | | | | | 25SLIW13MPN |
| | G 3/8 | 22 | | 43 | 9 | | | | | | 25SLIW17MPN |
| | G 1/2 | 24 | | 46 | 12 | | | | | | 25SLIW21MPN |
| | M 14 x 1,5 | 22 | | 43 | 9 | | | | | | 25SLIM14MPN |
| | M 16 x 1,5 | 22 | | 43 | 9 | | | | | | 25SLIM16MPN |
| | M 18 x 1,5 | 22 | | 43 | 9 | | | | | | 25SLIM18MPN |
|  Hose Barb | 9 mm | 21 | | 60 | 25 | | | | | | 25SLTF09MPN |
| | 10 mm | 21 | | 60 | 25 | | | | | | 25SLTF10MPN |
| | 13 mm | 21 | | 60 | 25 | | | | | | 25SLTF13MPN |
|  with Plastic Hose Connection | 6 x 8 mm | 21 | | 47 | 7 | 6 | | | M 12 x 1 | | 25SLKO08MPN |
| | 8 x 10 mm | 21 | | 51 | 8,5 | 8,5 | | | M 16 x 1 | | 25SLKO10MPN |
| | 9 x 12 mm | 21 | | 51 | 8,5 | 8,5 | | | M 16 x 1 | | 25SLKO12MPN |
|  Panel Mount with Hose Barb | 6 mm | 21 | 17 | 62 | 17 | 10 | | 4 | M 12 x 1 | | 25SLTS06MPN |
| | 10 mm | 21 | 7 | 74 | 25 | 14 | | 3,5 | G 1/4 | | 25SLTS10MPN |
|  Plastic Hose Connection with Spring Guard | 6 x 8 mm | 19 | | 135 | 7 | 6 | | | M 12 x 1 | | 25SLKK08MPN |
| | 8 x 10 mm | 19 | | 145 | 8,5 | 8,5 | | | M 16 x 1 | | 25SLKK10MPN |
| | 9 x 12 mm | 19 | | 150 | 8,5 | 8,5 | | | M 16 x 1 | | 25SLKK12MPN |

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

**Nominal Diameter**

# 7,8 = 48 mm²

**Rectus Series**

# 1600

energy saver

**Technical Description**
Rectus Tema premium industrial coupling 3/8" with European standard profile. Suitable for compressed air applications with greater than average air consumption.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop.

**Dust Protections (P. 325)**
for Coupling Part.-No. SK23S
for Plug Part.-No. SK12S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Other designs in series 1600**
The following other designs can be found from page:

➤ Safety Self-Venting P. 294

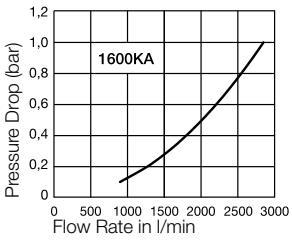
## KA Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

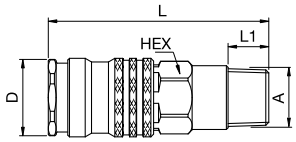
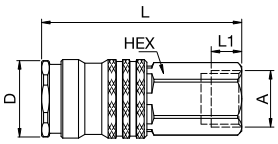
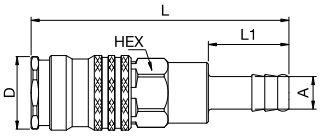
### Material
**Coupling:** Brass nickel plated, Steel QPQ treated
**Plug:** Steel zinc plated
**Seals:** NBR

### Interchangeability
- Rectus 25 + 26
- Rectus 1625
- Cejn 320
- JWL 520 + JWL 530
- various German Products

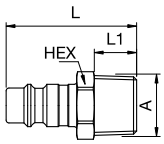
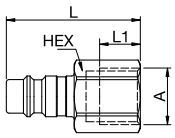
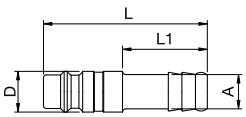
### Flow diagrams
**Air**



## Coupling – with valve — Series 1600KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 65 | 12 | | 23 | | | | 1600KAAK13SPN |
| | R 3/8 | 19 | | 65 | 12 | | 23 | | | | 1600KAAK17SPN |
| | R 1/2 | 22 | | 59,5 | 17 | | 23 | | | | 1600KAAK21SPN |
|  Female Thread | G 1/4 | 19 | | 59 | 9 | | 23 | | | | 1600KAIW13SPN |
| | G 3/8 | 19 | | 59 | 9 | | 23 | | | | 1600KAIW17SPN |
| | G 1/2 | 24 | | 62 | 12 | | 23 | | | | 1600KAIW21SPN |
|  Hose Barb | 6 mm | 19 | | 80 | 25 | | 23 | | | | 1600KATF06SPN |
| | 8 mm | 19 | | 80 | 25 | | 23 | | | | 1600KATF08SPN |
| | 9 mm | 19 | | 80 | 25 | | 23 | | | | 1600KATF09SPN |
| | 10 mm | 19 | | 80 | 25 | | 23 | | | | 1600KATF10SPN |
| | 13 mm | 19 | | 80 | 25 | | 23 | | | | 1600KATF13SPN |

## Plugs – without valve — Series 25SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | | 33 | 9 | | | | | | 25SFAK10SXZ |
| | R 1/4 | 14 | | 37 | 12 | | | | | | 25SFAK13SXZ |
| | R 3/8 | 17 | | 37 | 12 | | | | | | 25SFAK17SXZ |
| | R 1/2 | 22 | | 43 | 17 | | | | | | 25SFAK21SXZ |
|  Female Thread | G 1/8 | 14 | | 30 | 7 | | | | | | 25SFIW10SXZ |
| | G 1/4 | 17 | | 38,5 | 9 | | | | | | 25SFIW13SXZ |
| | G 3/8 | 19 | | 39,5 | 9 | | | | | | 25SFIW17SXZ |
| | G 1/2 | 24 | | 44 | 12 | | | | | | 25SFIW21SXZ |
|  Hose Barb | 6 mm | | | 48 | 25 | | 12 | | | | 25SFTF06SXZ |
| | 8 mm | | | 48 | 25 | | 12 | | | | 25SFTF08SXZ |
| | 9 mm | | | 48 | 25 | | 12 | | | | 25SFTF09SXZ |
| | 10 mm | | | 48 | 25 | | 12 | | | | 25SFTF10SXZ |
| | 13 mm | | | 48 | 25 | | 15 | | | | 25SFTF13SXZ |

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

**Nominal Diameter**

# 7,8 = 48 mm²

**Rectus Series**

# 1625

**Technical Description**
Rectus Tema premium industrial coupling 3/8" with European standard profile. Suitable for compressed air applications with greater than average air consumption.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. Extremely robust and ergonomically shaped, 2-component plastic sleeve.

**Dust Protections (P. 325)**
for Coupling Part.-No. SK23S
for Plug Part.-No. SK12S

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

* For temperatures below -20°C and over +40°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

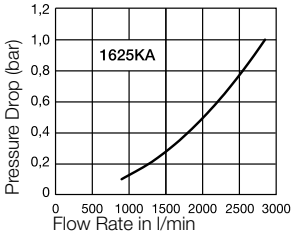
## KA Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

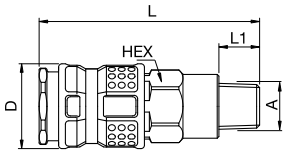
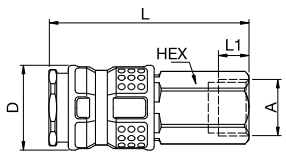
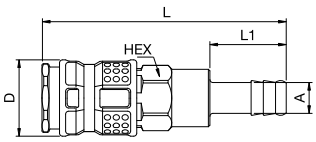
### Material
**Coupling:** Brass nickel plated, Steel QPQ treated, PA6+TPE
**Plug:** Steel zinc plated
**Seals:** NBR

### Interchangeability
- Rectus 25 + 26
- Rectus 1600
- Cejn 320
- JWL 520 + JWL 530
- various German Products

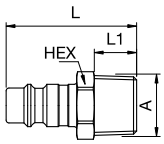
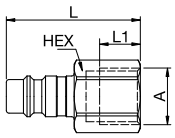
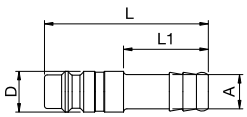
### Flow diagrams
**Air**



## Coupling – with valve — Series 1625KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 65 | 12 | | 26 | | | | 1625KAAK13SPN |
| | R 3/8 | 19 | | 65 | 12 | | 26 | | | | 1625KAAK17SPN |
| | R 1/2 | 22 | | 59,5 | 17 | | 26 | | | | 1625KAAK21SPN |
|  Female Thread | G 1/4 | 19 | | 59 | 9 | | 26 | | | | 1625KAIW13SPN |
| | G 3/8 | 19 | | 59 | 9 | | 26 | | | | 1625KAIW17SPN |
| | G 1/2 | 24 | | 62 | 12 | | 26 | | | | 1625KAIW21SPN |
|  Hose Barb | 6 mm | 19 | | 80 | 25 | | 26 | | | | 1625KATF06SPN |
| | 8 mm | 19 | | 80 | 25 | | 26 | | | | 1625KATF08SPN |
| | 9 mm | 19 | | 80 | 25 | | 26 | | | | 1625KATF09SPN |
| | 10 mm | 19 | | 80 | 25 | | 26 | | | | 1625KATF10SPN |
| | 13 mm | 19 | | 80 | 25 | | 26 | | | | 1625KATF13SPN |

## Plugs – without valve — Series 25SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | | 33 | 9 | | | | | | 25SFAK10SXZ |
| | R 1/4 | 14 | | 37 | 12 | | | | | | 25SFAK13SXZ |
| | R 3/8 | 17 | | 37 | 12 | | | | | | 25SFAK17SXZ |
| | R 1/2 | 22 | | 43 | 17 | | | | | | 25SFAK21SXZ |
|  Female Thread | G 1/8 | 14 | | 30 | 7 | | | | | | 25SFIW10SXZ |
| | G 1/4 | 17 | | 38,5 | 9 | | | | | | 25SFIW13SXZ |
| | G 3/8 | 19 | | 39,5 | 9 | | | | | | 25SFIW17SXZ |
| | G 1/2 | 24 | | 44 | 12 | | | | | | 25SFIW21SXZ |
|  Hose Barb | 6 mm | | | 48 | 25 | | 12 | | | | 25SFTF06SXZ |
| | 8 mm | | | 48 | 25 | | 12 | | | | 25SFTF08SXZ |
| | 9 mm | | | 48 | 25 | | 12 | | | | 25SFTF09SXZ |
| | 10 mm | | | 48 | 25 | | 12 | | | | 25SFTF10SXZ |
| | 13 mm | | | 48 | 25 | | 15 | | | | 25SFTF13SXZ |

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

## Nominal Diameter

**8** = 50 mm²

**Technical Description**
Steel industrial coupling with Atlas Copco-Profile. Specially suited to use with gaseous media in industry.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S
for Plug Part.-No. SK12S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

## KA Single Shut-Off

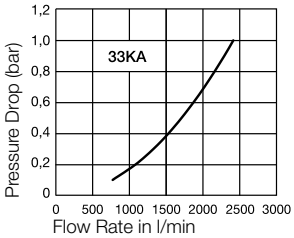
### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

### Material
**Coupling:** Brass / Steel nickel plated
**Plug:** Steel nickel plated
**Seals:** NBR

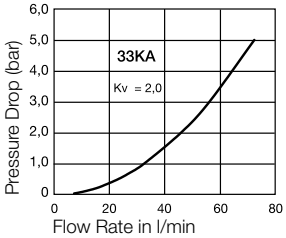
### Interchangeability
- Atlas Copco QIC 10

### Flow diagrams

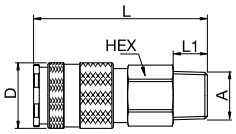
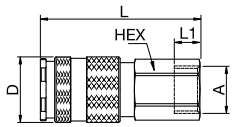
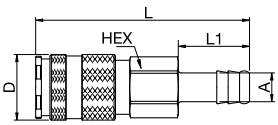
**Air**



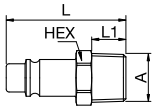
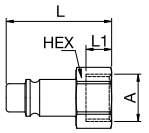
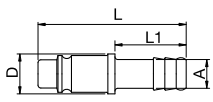

**Water**



## Coupling – with valve — Series 33KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 60 | 12 | | 23 | | | | 33KAAK13SPN |
| | R 3/8 | 19 | | 59 | 12 | | 23 | | | | 33KAAK17SPN |
| | R 1/2 | 22 | | 60 | 17 | | 23 | | | | 33KAAK21SPN |
|  Female Thread | G 1/4 | 19 | | 55 | 10 | | 23 | | | | 33KAIW13SPN |
| | G 3/8 | 19 | | 54 | 9 | | 23 | | | | 33KAIW17SPN |
| | G 1/2 | 24 | | 57 | 12 | | 23 | | | | 33KAIW21SPN |
|  Hose Barb | 6 mm | 19 | | 73 | 25 | | 23 | | | | 33KATF06SPN |
| | 8 mm | 19 | | 73 | 25 | | 23 | | | | 33KATF08SPN |
| | 10 mm | 19 | | 73 | 25 | | 23 | | | | 33KATF10SPN |
| | 13 mm | 19 | | 73 | 25 | | 23 | | | | 33KATF13SPN |

## Plugs – without valve — Series 33KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 14 | | 40 | 9 | | | | | | 33SFAK10SXN |
| | R 1/4 | 14 | | 42 | 12 | | | | | | 33SFAK13SXN |
| | R 3/8 | 17 | | 42 | 12 | | | | | | 33SFAK17SXN |
| | R 1/2 | 22 | | 47 | 17 | | | | | | 33SFAK21SXN |
|  Female Thread | G 1/8 | 14 | | 34 | 7 | | | | | | 33SFIW10SXN |
| | G 1/4 | 17 | | 37 | 9 | | | | | | 33SFIW13SXN |
| | G 3/8 | 17 | | 37 | 9 | | | | | | 33SFIW17SXN |
| | G 1/2 | 24 | | 42 | 12 | | | | | | 33SFIW21SXN |
|  Hose Barb | 6 mm | | | 52 | 25 | | 14 | | | | 33SFTF06SXN |
| | 8 mm | | | 52 | 25 | | 14 | | | | 33SFTF08SXN |
| | 10 mm | | | 52 | 25 | | 15 | | | | 33SFTF10SXN |
| | 13 mm | | | 52 | 25 | | 15 | | | | 33SFTF13SXN |

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

## Nominal Diameter

**8** = 50 mm²

## Rectus Series

**84**

**Technical Description**
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. The high insertion depth is guaranteed by an optimised plug guide. Optimised locking of the plug due to 6-way ball valve.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK27S
for Plug Part.-No. SK12S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

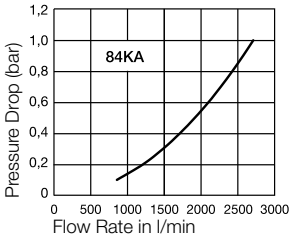
**KA** Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

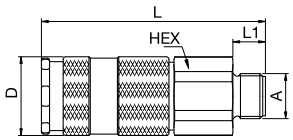
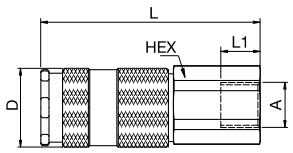
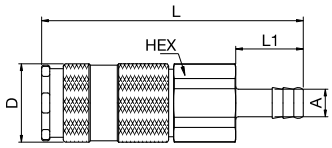
### Material
**Coupling:** Brass / Steel nickel plated
**Plug:** Steel nickel plated
**Seals:** NBR

### Interchangeability
- ISO 6150 C

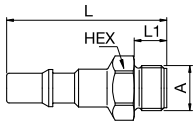
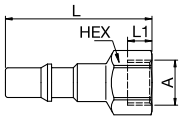
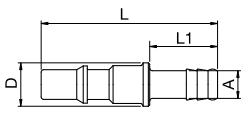
### Flow diagrams
**Air**



## Coupling – with valve — Series 84KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 27 | | 83 | 12 | | 29 | | | | 84KAAW13SPN |
| | G 3/8 | 27 | | 83 | 12 | | 29 | | | | 84KAAW17SPN |
| | G 1/2 | 27 | | 83 | 15 | | 29 | | | | 84KAAW21SPN |
|  Female Thread | G 3/8 | 27 | | 81 | 14 | | 29 | | | | 84KAIW17SPN |
|  Hose Barb | 8 mm | 27 | | 97 | 25 | | 29 | | | | 84KATF08SPN |
| | 9 mm | 27 | | 97 | 25 | | 29 | | | | 84KATF09SPN |
| | 10 mm | 27 | | 97 | 25 | | 29 | | | | 84KATF10SPN |
| | 13 mm | 27 | | 97 | 25 | | 29 | | | | 84KATF13SPN |
| | 16 mm | 27 | | 97 | 25 | | 29 | | | | 84KATF16SPN |

## Plugs – without valve — Series 84KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 17 | | 57 | 12 | | | | | | 84SFAW13SXN |
| | G 3/8 | 21 | | 59 | 12 | | | | | | 84SFAW17SXN |
| | G 1/2 | 21 | | 64 | 15 | | | | | | 84SFAW21SXN |
|  Female Thread | G 1/4 | 17 | | 53 | 9 | | | | | | 84SFIW13SXN |
| | G 3/8 | 19 | | 54 | 9 | | | | | | 84SFIW17SXN |
|  Hose Barb | 8 mm | | | 65 | 25 | | 16 | | | | 84SFTF08SXN |
| | 9 mm | | | 65 | 25 | | 16 | | | | 84SFTF09SXN |
| | 10 mm | | | 65 | 25 | | 16 | | | | 84SFTF10SXN |
| | 13 mm | | | 65 | 25 | | 16 | | | | 84SFTF13SXN |
| | 16 mm | | | 65 | 25 | | 16 | | | | 84SFTF16SXN |

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

## Nominal Diameter

# 8,1 = 52 mm²

## Rectus Series

# 93

**Technical Description**
Modular integrated coupling and plug for installation in multi-coupling systems (series 08). High resilience, low coupling forces and great resistance to liquid media due to the special coating of the coupling body.

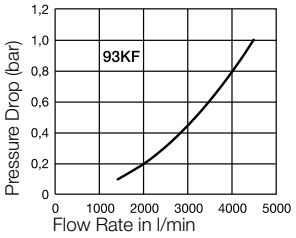
**Working Temperature***
-15°C up to +100°C (NBR) depending on the medium.

* For temperatures below -15°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

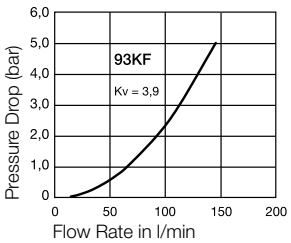
| KF Straight-Through | KL Leak-Free |
|---|---|
| **Working Pressure**** | |
| 15 bar<br>** maximum static working pressure with design factor 4 to 1. | 15 bar |
| **Features** | |
| | • Minimal, almost imperceptible leakage when uncoupling<br>• No air locked into the system during the coupling process |
| **Material** | |
| **Coupling:** Brass nickel plated, Steel PTFE coated<br>**Plug:** Brass nickel plated, Steel PTFE coated<br>**Seals:** FKM | **Coupling:** Brass nickel plated, Steel PTFE coated<br>**Plug:** Brass nickel plated, Steel PTFE coated<br>**Seals:** FKM |
| **Interchangeability** | |
| • Rectus Design | |

**Flow diagrams**

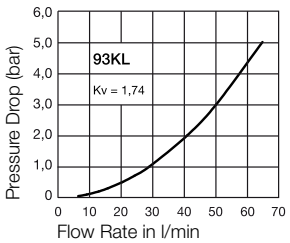
**Air**



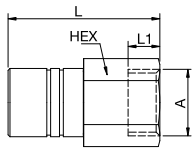
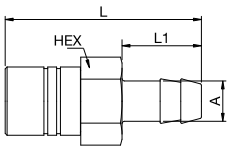

**Water**



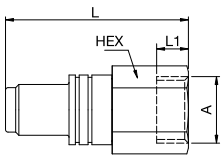
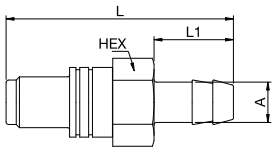

**Water**



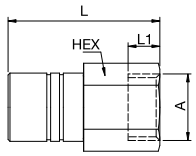
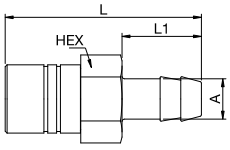
## Coupling – without valve — Series 93KF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | G 1/2 | 24 | | 48 | 10,1 | | | | | | 93KFIW21SVN |
|  Hose Barb | 13 mm | 24 | | 62 | 17 | | | | | | 93KFTF13SVN |

## Plugs – without valve — Series 93KF

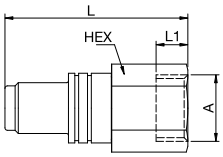
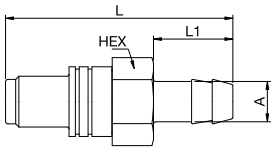
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | G 1/2 | 24 | | 57,5 | 10,1 | | | | | | 93SFIW21SXN |
|  Hose Barb | 13 mm | 24 | | 68,5 | 25 | | | | | | 93SFTF13SXN |

## Coupling – flat-sealing — Series 93KL

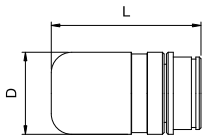
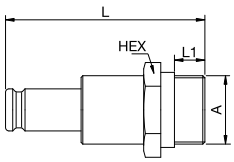
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | G 1/2 | 24 | | 48 | 10,1 | | | | | | 93KLIW21SVN |
|  Hose Barb | 9 mm | 24 | | 54 | 17 | | | | | | 93KLTF09SVN |
| | 13 mm | 24 | | 62 | 25 | | | | | | 93KLTF13SVN |

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

## Plugs – flat-sealing — Series 93KL

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | G 1/2 | 24 | | 57,5 | 10,1 | | | | | | 93SLIW21SVN |
|  Hose Barb | 9 mm | 24 | | 63,5 | 17 | | | | | | 93SLTF09SVN |
| | 13 mm | 24 | | 68,5 | 25 | | | | | | 93SLTF13SVN |

## Locking Coupling and Bolt — Series 94

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Locking Coupling | | | | 45 | | | 25 | | | | 94KX |
|  Locking Bolt | | 24 | | 58 | 13 | | | | | | 94SX |

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

**Nominal Diameter**

# 8,1 = 52 mm²

**Rectus Series**

# 08

**Technische Informationen**
Multi-coupling system comprising series 93 modular couplings and base plates 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.

The safety locking system prevents unintentional disconnection.

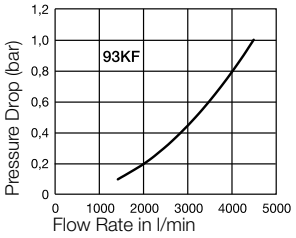
**Working Temperature***
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

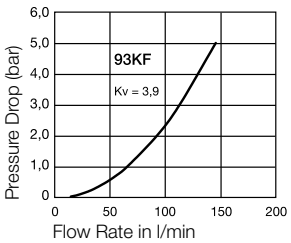
| KF Straight-Through | KL Leak-Free |
|---|---|
| **Working Pressure**** | |
| 15 bar<br>** maximum static working pressure with design factor 4 to 1. | 15 bar |
| **Features** | |
| | • Minimal, almost imperceptible leakage when uncoupling<br>• No air locked into the system during the coupling process |
| **Material** | |
| **Coupling:** Brass / Steel nickel plated, Aluminium plate<br>**Plug:** Brass / Steel nickel plated, Aluminium plate<br>**Seals:** FKM | **Coupling:** Brass / Steel nickel plated, Aluminium plate<br>**Plug:** Brass / Steel nickel plated, Aluminium plate<br>**Seals:** FKM |
| **Interchangeability** | |
| • Rectus Design | |

**Flow diagrams**

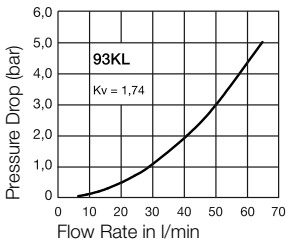
**Air**



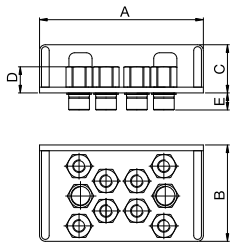
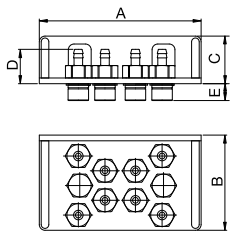

**Water**



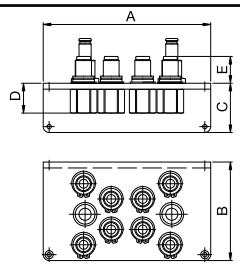
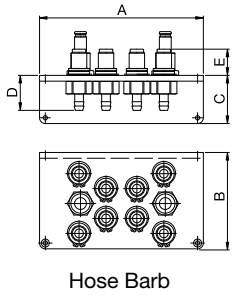

**Water**



## Coupling – without valve — Series 08KF

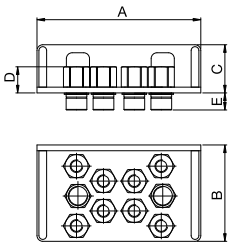
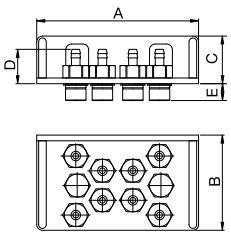
| | Connection | A mm | B mm | C mm | D mm | E mm | F mm | G mm | H mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | G 1/2 | 170 | 100 | 50 | 30 | 18 | | | | | 08KFIW21SVN |
|  Hose Barb | 13 mm | 170 | 100 | 50 | 44 | 18 | | | | | 08KFTF13SVN |

## Plugs – without valve — Series 08KF

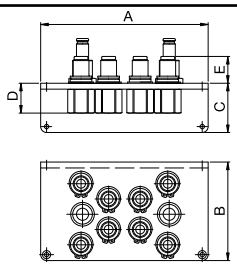
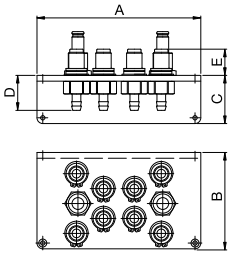
| | Connection | A mm | B mm | C mm | D mm | E mm | F mm | G mm | H mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | G 1/2 | 170 | 100 | 50 | 30 | 27 | | | | | 08SFIW21SXN |
|  Hose Barb | 13 mm | 170 | 100 | 50 | 44 | 27 | | | | | 08SFTF13SXN |

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

## Coupling – flat-sealing — Series 08KL

| | Connection | A mm | B mm | C mm | D mm | E mm | F mm | G mm | H mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | G 1/2 | 170 | 100 | 50 | 30 | 18 | | | | | 08KLIW21SVN |
|  Hose Barb | 13 mm | 170 | 100 | 50 | 44 | 18 | | | | | 08KLTF13SVN |

## Plugs – flat-sealing — Series 08KL

| | Connection | A mm | B mm | C mm | D mm | E mm | F mm | G mm | H mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | G 1/2 | 170 | 100 | 50 | 30 | 27 | | | | | 08SLIW21SVN |
|  Hose Barb | 13 mm | 170 | 100 | 50 | 44 | 27 | | | | | 08SLTF13SVN |

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

## Nominal Diameter

# 8,5 = 60 mm²

## Rectus Series

# 45

**Technical Description**
Brass coupling with no valve for applications with non-aggressive liquids in the pressure range up to 150 bar. The couplings are corrosion resistant. The system stands out for a high flow with minimal pressure drop.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

## KF Straight-Through

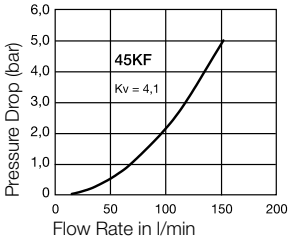
### Working Pressure**
150 bar
** maximum static working pressure with design factor 4 to 1.

### Material
**Coupling:** Brass
**Plug:** Steel nickel plated
**Seals:** NBR

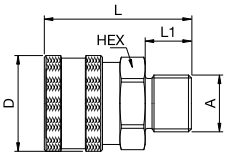
### Interchangeability
- Hansen
- Parker ST-Series

### Flow diagrams

**Water**

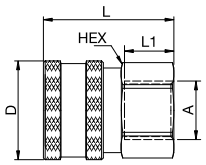


## Couplings – without valve — Series 45KF



Male Thread

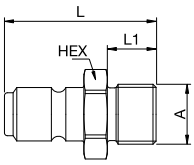
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 24 | | 43 | 13,5 | | 28 | | | | 45KFAW13MPX |
| G 3/8 | 24 | | 43 | 13,5 | | 28 | | | | 45KFAW17MPX |



Female Thread

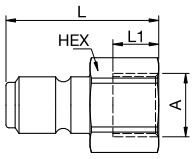
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 24 | | 37 | 13,5 | | 28 | | | | 45KFIW13MPX |
| G 3/8 | 24 | | 37 | 14 | | 28 | | | | 45KFIW17MPX |

## Plugs – without valve — Series 45KF



Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 19 | | 42 | 13,5 | | | | | | 45SFAW13SXN |
| G 3/8 | 22 | | 42 | 13,5 | | | | | | 45SFAW17SXN |



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 19 | | 40 | 14 | | | | | | 45SFIW13SXN |
| G 3/8 | 22 | | 40 | 14 | | | | | | 45SFIW17SXN |

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

**Nominal Diameter**

# 8,5 = 60 mm²

**Rectus Series**

# 30

**Technical Description**
Steel coupling 3/8" according to ISO 6150 B and US MIL-SPEC 4109. Very robust design with steel valve bodies. The high insertion depth is guaranteed by an optimised plug guide.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

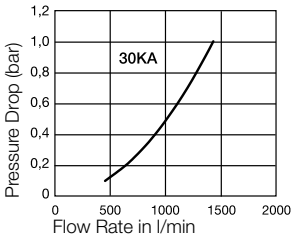
## KA Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

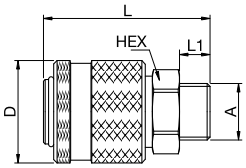
### Material
**Coupling:** Brass / Steel
**Plug:** Steel nickel plated
**Seals:** NBR

### Interchangeability
- Industrial. Interchange 3/8"
- US-MIL-SPEC-C-4109
- ISO 6150 B
- Gromelle 900
- ARO
- Hansen 4000
- Parker 30 3/8"

### Flow diagrams
**Air**

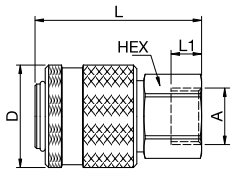


## Couplings – with valve — Series 30KA



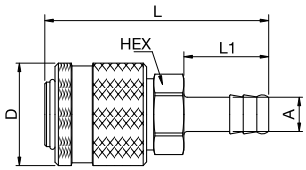
Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 22 | | 49 | 9 | | 30 | | | blank | 30KAAW13SPX |
| G 1/4 | 22 | | 49 | 9 | | 30 | | | nickel plated | 30KAAW13SPN |
| G 3/8 | 22 | | 49 | 9 | | 30 | | | blank | 30KAAW17SPX |
| G 3/8 | 22 | | 49 | 9 | | 30 | | | nickel plated | 30KAAW17SPN |
| G 1/2 | 22 | | 52 | 12 | | 30 | | | blank | 30KAAW21SPX |
| G 1/2 | 22 | | 52 | 12 | | 30 | | | nickel plated | 30KAAW21SPN |



Female Thread

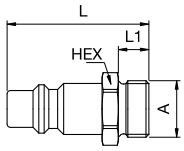
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 22 | | 49 | 11 | | 30 | | | blank | 30KAIW13SPX |
| G 1/4 | 22 | | 49 | 11 | | 30 | | | nickel plated | 30KAIW13SPN |
| G 3/8 | 22 | | 49 | 9 | | 30 | | | blank | 30KAIW17SPX |
| G 3/8 | 22 | | 49 | 9 | | 30 | | | nickel plated | 30KAIW17SPN |
| G 1/2 | 22 | | 52 | 12 | | 30 | | | blank | 30KAIW21SPX |
| G 1/2 | 22 | | 52 | 12 | | 30 | | | nickel plated | 30KAIW21SPN |



Hose Barb

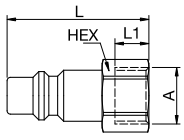
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | 21 | | 66 | 25 | | 30 | | | blank | 30KATF06SPX |
| 6 mm | 21 | | 66 | 25 | | 30 | | | nickel plated | 30KATF06SPN |
| 8 mm | 21 | | 66 | 25 | | 30 | | | blank | 30KATF08SPX |
| 8 mm | 21 | | 66 | 25 | | 30 | | | nickel plated | 30KATF08SPN |
| 10 mm | 21 | | 66 | 25 | | 30 | | | blank | 30KATF10SPX |
| 10 mm | 21 | | 66 | 25 | | 30 | | | nickel plated | 30KATF10SPN |
| 13 mm | 21 | | 66 | 25 | | 30 | | | blank | 30KATF13SPX |
| 13 mm | 21 | | 66 | 25 | | 30 | | | nickel plated | 30KATF13SPN |

## Plugs – without valve — Series 30KA



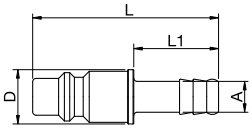
Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 17 | | 42 | 9 | | | | | | 30SFAW13SXN |
| G 3/8 | 19 | | 42 | 9 | | | | | | 30SFAW17SXN |
| G 1/2 | 24 | | 46 | 12 | | | | | | 30SFAW21SXN |



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 17 | | 40 | 10 | | | | | | 30SFIW13SXN |
| G 3/8 | 19 | | 42 | 10 | | | | | | 30SFIW17SXN |
| G 1/2 | 24 | | 43 | 12 | | | | | | 30SFIW21SXN |



Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | | | 55 | 25 | | 16 | | | | 30SFTF06SXN |
| 8 mm | | | 55 | 25 | | 16 | | | | 30SFTF08SXN |
| 10 mm | | | 55 | 25 | | 16 | | | | 30SFTF10SXN |
| 13 mm | | | 55 | 25 | | 16 | | | | 30SFTF13SXN |

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

**Nominal Diameter**

**9** = 63,5 mm²

**Rectus Series**

**209**

**Other designs in series 209**
The following other designs can be found from page:

➤ Stainless Steel P. 214

**Technical Description**
Leak-free coupling system for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive media.
Coupling system with single-hand operation, extremely low leakage rates and minimal dead space volume. Absolutely no air pockets when coupling and only a barely noticeable film of the medium being channelled on the valve bodies when uncoupling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**KL** Leak-Free

## Working Pressure**

15 bar
** maximum static working pressure with design factor 4 to 1.

## Material

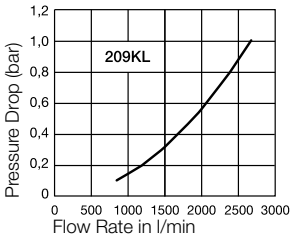
**Coupling:** Brass nickel plated
**Plug:** Brass nickel plated
**Seals:** NBR

## Interchangeability

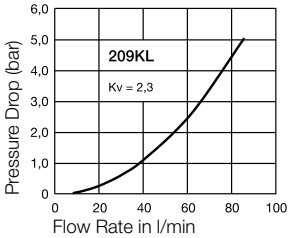
• Rectus Design

## Flow diagrams

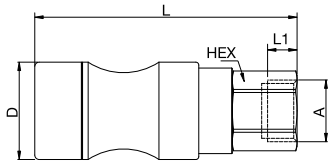
**Air**




**Water**



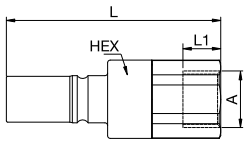
## Couplings – flat-sealing — Series 209KL



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | 27 | | 92 | 14 | | 33 | | | | 209KLIW21MPN |
| G 3/4 | 32 | | 94 | 14 | | 33 | | | | 209KLIW26MPN |

## Plugs – flat-sealing — Series 209KL



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | 27 | | 79,5 | 14 | | | | | | 209SLIW21MPN |
| G 3/4 | 32 | | 81,5 | 14 | | | | | | 209SLIW26MPN |

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

**Nominal Diameter**

**9** = 63 mm²

**Rectus Series**

**40**

**Technical Description**
Brass coupling system produced for raw applications. The system is suitable for use with non-aggressive liquid media. The couplings are corrosion resistant.
Coupling system with single-hand operation. The ergonomic sleeve design prevents dirt on the valve body.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

## KA Single Shut-Off

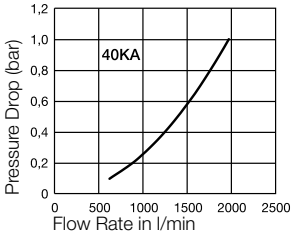
### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

### Material
**Coupling:** Brass
**Plug:** Steel nickel plated
**Seals:** NBR

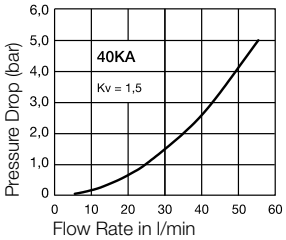
### Interchangeability
- ARO 310
- Orion 44520
- Orion 44530

### Flow diagrams

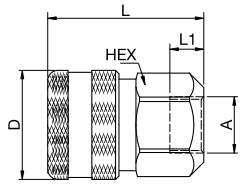
**Air**




**Water**



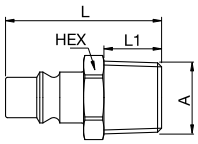
## Couplings – with valve — Series 40KA



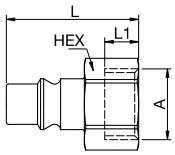
Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 27 | | 46 | 10 | | 32 | | | blank | 40KAIW17MPX |
| G 3/8 | 27 | | 46 | 10 | | 32 | | | nickel plated | 40KAIW17MPN |
| G 1/2 | 27 | | 46 | 11 | | 32 | | | blank | 40KAIW21MPX |
| G 1/2 | 27 | | 46 | 11 | | 32 | | | nickel plated | 40KAIW21MPN |

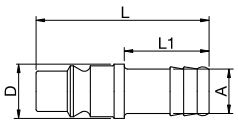
## Plugs – without valve — Series 40KA



Male Thread



Female Thread



Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| R 3/8 | 16 | | 40 | 12 | | | | | | 40SFAK17SXN |
| R 1/2 | 16 | | 46 | 17 | | | | | | 40SFAK21SXN |
| R 3/4 | 16 | | 51 | 19 | | | | | | 40SFAK26SXN |
| G 3/8 | 19 | | 35 | 9 | | | | | | 40SFIW17SXN |
| G 1/2 | 24 | | 39 | 12 | | | | | | 40SFIW21SXN |
| 6 mm | | | 51 | 25 | | 16 | | | | 40SFTF06SXN |
| 8 mm | | | 51 | 25 | | 16 | | | | 40SFTF08SXN |
| 10 mm | | | 51 | 25 | | 16 | | | | 40SFTF10SXN |
| 13 mm | | | 51 | 25 | | 16 | | | | 40SFTF13SXN |
| 19 mm | | | 51 | 25 | | 21 | | | | 40SFTF19SXN |

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

**Nominal Diameter**

**10** = 80 mm²

**Rectus Series**

**27**

**Technical Description**
1/2" universal industrial coupling with standard European profile for use with large pneumatic consumers. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. The series stands out for its robust design (steel sleeve), extremely high flow and long service life even with the harshest use. The collar design minimises damage to the valve body.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK27S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

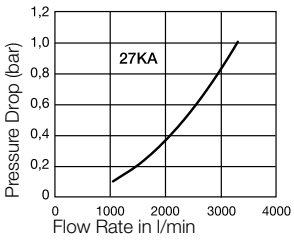
**Other designs in series 27**
The following other designs can be found from page:

➤ Stainless Steel P. 216
➤ Safety Self-Venting P. 296

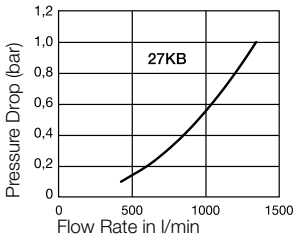
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar |
| **Material** | |
| **Coupling:** Brass / Steel nickel plated<br>**Plug:** Steel nickel plated<br>**Seals:** NBR | **Coupling:** Brass<br>**Plug:** Brass nickel plated<br>**Seals:** NBR |
| **Interchangeability** | |
| • Rectus 41<br>• Rectus 1700<br>• Rectus 1727<br>• Cejn 410 | |

**Flow diagrams**

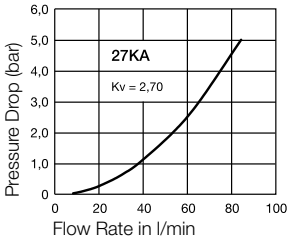
**Air**



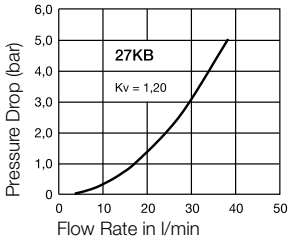

**Air**



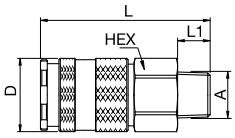

**Water**




**Water**

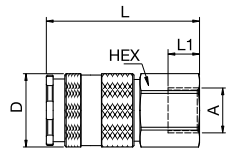


## Couplings – with valve — Series 27KA



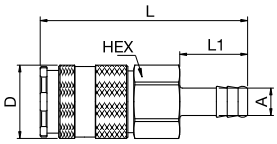
Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| R 1/4 | 24 | | 63 | 12 | | 27 | | | | 27KAAK13MPN |
| R 3/8 | 24 | | 63 | 12 | | 27 | | | | 27KAAK17MPN |
| R 1/2 | 24 | | 65 | 17 | | 27 | | | | 27KAAK21MPN |
| R 3/4 | 27 | | 65 | 17 | | 27 | | | | 27KAAK26MPN |



Female Thread

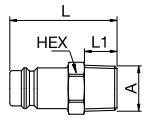
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 24 | | 56 | 10 | | 27 | | | | 27KAIW13MPN |
| G 3/8 | 24 | | 56 | 11 | | 27 | | | | 27KAIW17MPN |
| G 1/2 | 24 | | 56 | 12 | | 27 | | | | 27KAIW21MPN |
| G 3/4 | 27 | | 60 | 16 | | 27 | | | | 27KAIW26MPN |



Hose Barb

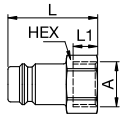
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | 24 | | 76 | 25 | | 27 | | | | 27KATF06MPN |
| 8 mm | 24 | | 76 | 25 | | 27 | | | | 27KATF08MPN |
| 9 mm | 24 | | 76 | 25 | | 27 | | | | 27KATF09MPN |
| 10 mm | 24 | | 76 | 25 | | 27 | | | | 27KATF10MPN |
| 13 mm | 24 | | 76 | 25 | | 27 | | | | 27KATF13MPN |
| 16 mm | 24 | | 76 | 20 | | 27 | | | | 27KATF16MPN |
| 19 mm | 24 | | 76 | 25 | | 27 | | | | 27KATF19MPN |

## Plugs – without valve — Series 27KA



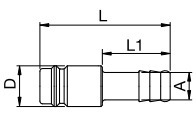
Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| R 1/4 | 17 | | 40 | 12 | | | | | | 27SFAK13SXN |
| R 3/8 | 17 | | 40 | 12 | | | | | | 27SFAK17SXN |
| R 1/2 | 22 | | 45 | 17 | | | | | | 27SFAK21SXN |
| R 3/4 | 27 | | 48 | 19 | | | | | | 27SFAK26SXN |



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 17 | | 33 | 9 | | | | | | 27SFIW13SXN |
| G 3/8 | 19 | | 33 | 12 | | | | | | 27SFIW17SXN |
| G 1/2 | 24 | | 37 | 12 | | | | | | 27SFIW21SXN |
| G 3/4 | 32 | | 42 | 16 | | | | | | 27SFIW26SXN |



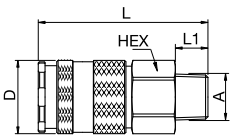
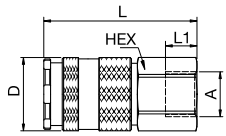
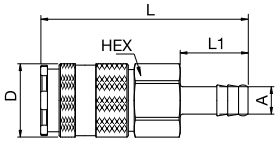
Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | | | 48 | 25 | | 15 | | | | 27SFTF06SXN |
| 8 mm | | | 48 | 25 | | 15 | | | | 27SFTF08SXN |
| 9 mm | | | 48 | 25 | | 15 | | | | 27SFTF09SXN |
| 10 mm | | | 48 | 25 | | 15 | | | | 27SFTF10SXN |
| 13 mm | | | 48 | 25 | | 15 | | | | 27SFTF13SXN |
| 16 mm | | | 48 | 25 | | 18 | | | | 27SFTF16SXN |
| 19 mm | | | 48 | 25 | | 21 | | | | 27SFTF19SXN |

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

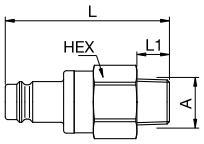
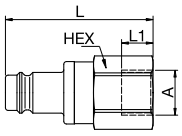
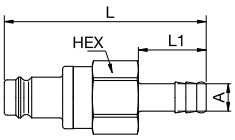
# Couplings – with valve

## Series 27KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 24 | | 63 | 12 | | 27 | | | blank | 27KBAK13BPX |
| | R 1/4 | 24 | | 63 | 12 | | 27 | | | nickel plated | 27KBAK13BPN |
| | R 3/8 | 24 | | 63 | 12 | | 27 | | | blank | 27KBAK17BPX |
| | R 3/8 | 24 | | 63 | 12 | | 27 | | | nickel plated | 27KBAK17BPN |
| | R 1/2 | 24 | | 65 | 17 | | 27 | | | blank | 27KBAK21BPX |
| | R 1/2 | 24 | | 65 | 17 | | 27 | | | nickel plated | 27KBAK21BPN |
| | R 3/4 | 27 | | 65 | 17 | | 27 | | | blank | 27KBAK26BPX |
| | R 3/4 | 27 | | 65 | 17 | | 27 | | | nickel plated | 27KBAK26BPN |
| | | | | | | | | | | | |
|  Female Thread | G 1/4 | 24 | | 56 | 10 | | 27 | | | blank | 27KBIW13BPX |
| | G 1/4 | 24 | | 56 | 10 | | 27 | | | nickel plated | 27KBIW13BPN |
| | G 3/8 | 24 | | 56 | 11 | | 27 | | | blank | 27KBIW17BPX |
| | G 3/8 | 24 | | 56 | 11 | | 27 | | | nickel plated | 27KBIW17BPN |
| | G 1/2 | 24 | | 56 | 12 | | 27 | | | blank | 27KBIW21BPX |
| | G 1/2 | 24 | | 56 | 12 | | 27 | | | nickel plated | 27KBIW21BPN |
| | G 3/4 | 32 | | 60 | 16 | | 27 | | | blank | 27KBIW26BPX |
| | G 3/4 | 32 | | 60 | 16 | | 27 | | | nickel plated | 27KBIW26BPN |
| | | | | | | | | | | | |
|  Hose Barb | 6 mm | 24 | | 76 | 25 | | 27 | | | blank | 27KBTF06BPX |
| | 6 mm | 24 | | 76 | 25 | | 27 | | | nickel plated | 27KBTF06BPN |
| | 8 mm | 24 | | 76 | 25 | | 27 | | | blank | 27KBTF08BPX |
| | 8 mm | 24 | | 76 | 25 | | 27 | | | nickel plated | 27KBTF08BPN |
| | 9 mm | 24 | | 76 | 25 | | 27 | | | blank | 27KBTF09BPX |
| | 9 mm | 24 | | 76 | 25 | | 27 | | | nickel plated | 27KBTF09BPN |
| | 10 mm | 24 | | 76 | 25 | | 27 | | | blank | 27KBTF10BPX |
| | 10 mm | 24 | | 76 | 25 | | 27 | | | nickel plated | 27KBTF10BPN |
| | 13 mm | 24 | | 76 | 25 | | 27 | | | blank | 27KBTF13BPX |
| | 13 mm | 24 | | 76 | 25 | | 27 | | | nickel plated | 27KBTF13BPN |
| | 16 mm | 24 | | 76 | 25 | | 27 | | | blank | 27KBTF16BPX |
| | 16 mm | 24 | | 76 | 25 | | 27 | | | nickel plated | 27KBTF16BPN |
| | 19 mm | 24 | | 76 | 25 | | 27 | | | blank | 27KBTF19BPX |
| | 19 mm | 24 | | 76 | 25 | | 27 | | | nickel plated | 27KBTF19BPN |
| | | | | | | | | | | | |

# Plugs – with valve

## Series 27KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 24 | | 60,5 | 12 | | | | | | 27SBAK13MPN |
| | R 3/8 | 24 | | 60,5 | 12 | | | | | | 27SBAK17MPN |
| | R 1/2 | 24 | | 62,5 | 17 | | | | | | 27SBAK21MPN |
| | R 3/4 | 27 | | 62,5 | 17 | | | | | | 27SBAK26MPN |
|  Female Thread | G 1/4 | 24 | | 54,5 | 9 | | | | | | 27SBIW13MPN |
| | G 3/8 | 24 | | 54,5 | 9 | | | | | | 27SBIW17MPN |
| | G 1/2 | 24 | | 54,5 | 12 | | | | | | 27SBIW21MPN |
| | G 3/4 | 32 | | 58,5 | 16 | | | | | | 27SBIW26MPN |
|  Hose Barb | 6 mm | 24 | | 74 | 25 | | | | | | 27SBTF06MPN |
| | 8 mm | 24 | | 74 | 25 | | | | | | 27SBTF08MPN |
| | 9 mm | 24 | | 74 | 25 | | | | | | 27SBTF09MPN |
| | 10 mm | 24 | | 74 | 25 | | | | | | 27SBTF10MPN |
| | 13 mm | 24 | | 74 | 25 | | | | | | 27SBTF13MPN |
| | 16 mm | 24 | | 74 | 25 | | | | | | 27SBTF16MPN |
| | 19 mm | 24 | | 74 | 25 | | | | | | 27SBTF19MPN |

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

**Nominal Diameter**

# 10 = 80 mm²

**Rectus Series**

# 1700

**Technical Description**
Rectus Tema premium industrial coupling 1/2" with standard European profile. Suitable for compressed air applications with greater than average air consumption. Above-average flow values compared with standard market products.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK27S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Other designs in series 1700**
The following other designs can be found from page:

➤ Stainless Steel P. 216
➤ Safety Self-Venting P. 296

## KA Single Shut-Off

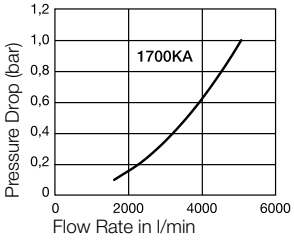
**Working Pressure****
35 bar
** maximum static working pressure with design factor 4 to 1.

**Material**
**Coupling:** Brass nickel plated, Steel QPQ treated
**Plug:** Steel nickel plated
**Seals:** NBR

**Interchangeability**
- Rectus 27
- Rectus 1727
- Cejn 410

**Flow diagrams**

**Air**

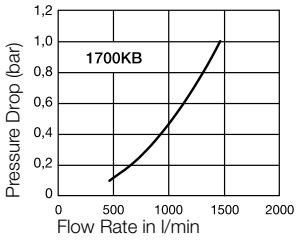



## KB Double Shut-Off

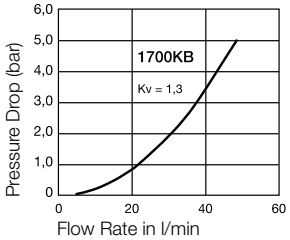
35 bar

**Material**
**Coupling:** Brass nickel plated
**Plug:** Brass nickel plated
**Seals:** NBR

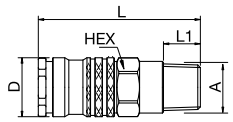
**Air**




**Water**

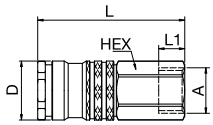


## Couplings – with valve — Series 1700KA



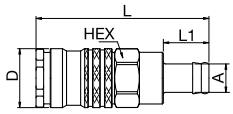
Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| R 3/8 | 24 | | 70 | 12 | | 27 | | | | 1700KAAK17SPN |
| R 1/2 | 24 | | 75 | 17 | | 27 | | | | 1700KAAK21SPN |
| R 3/4 | 27 | | 64 | 17 | | 27 | | | | 1700KAAK26SPN |



Female Thread

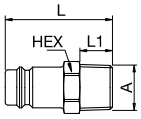
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 24 | | 64,5 | 10 | | 27 | | | | 1700KAIW17SPN |
| G 1/2 | 24 | | 68 | 11 | | 27 | | | | 1700KAIW21SPN |
| G 3/4 | 32 | | 69 | 14 | | 27 | | | | 1700KAIW26SPN |



Hose Barb

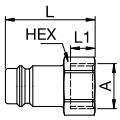
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 10 mm | 24 | | 80 | 21 | | 27 | | | | 1700KATF10SPN |
| 13 mm | 24 | | 80 | 21 | | 27 | | | | 1700KATF13SPN |
| 16 mm | 24 | | 80 | 21 | | 27 | | | | 1700KATF16SPN |

## Plugs – without valve — Series 27SF



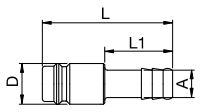
Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| R 1/4 | 17 | | 40 | 12 | | | | | | 27SFAK13SXN |
| R 3/8 | 17 | | 40 | 12 | | | | | | 27SFAK17SXN |
| R 1/2 | 22 | | 45 | 17 | | | | | | 27SFAK21SXN |
| R 3/4 | 27 | | 48 | 19 | | | | | | 27SFAK26SXN |



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 17 | | 33 | 9 | | | | | | 27SFIW13SXN |
| G 3/8 | 19 | | 33 | 12 | | | | | | 27SFIW17SXN |
| G 1/2 | 24 | | 37 | 12 | | | | | | 27SFIW21SXN |
| G 3/4 | 32 | | 42 | 16 | | | | | | 27SFIW26SXN |

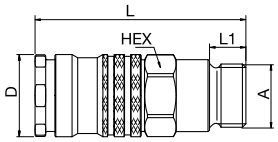
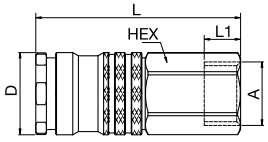
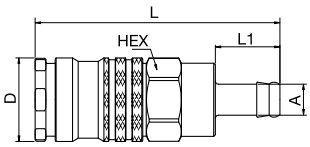


Hose Barb

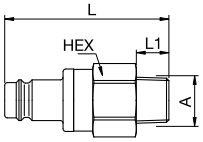
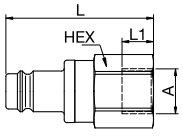
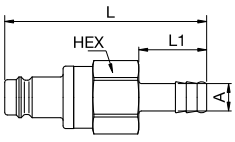
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | | | 48 | 25 | | 15 | | | | 27SFTF06SXN |
| 8 mm | | | 48 | 25 | | 15 | | | | 27SFTF08SXN |
| 9 mm | | | 48 | 25 | | 15 | | | | 27SFTF09SXN |
| 10 mm | | | 48 | 25 | | 15 | | | | 27SFTF10SXN |
| 13 mm | | | 48 | 25 | | 15 | | | | 27SFTF13SXN |
| 16 mm | | | 48 | 25 | | 18 | | | | 27SFTF16SXN |
| 19 mm | | | 48 | 25 | | 21 | | | | 27SFTF19SXN |

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

## Couplings – with valve — Series 1700KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 3/8 | 24 | | 64,5 | 7 | | 27 | | | | 1700KBAW17BPN |
| | G 1/2 | 24 | | 69,5 | 12 | | 27 | | | | 1700KBAW21BPN |
| | G 3/4 | 30 | | 73,5 | 16 | | 27 | | | | 1700KBAW26BPN |
|  Female Thread | G 3/8 | 24 | | 67,5 | 12 | | 27 | | | | 1700KBIW17BPN |
| | G 1/2 | 24 | | 67,5 | 12 | | 27 | | | | 1700KBIW21BPN |
| | G 3/4 | 32 | | 73,5 | 16 | | 27 | | | | 1700KBIW26BPN |
|  Hose Barb | 10 mm | 24 | | 79,5 | 21 | | 27 | | | | 1700KBTF10BPN |
| | 13 mm | 24 | | 79,5 | 21 | | 27 | | | | 1700KBTF13BPN |
| | 16 mm | 24 | | 79,5 | 21 | | 27 | | | | 1700KBTF16BPN |
| | 19 mm | 24 | | 79,5 | 21 | | 27 | | | | 1700KBTF19BPN |

## Plugs – with valve — Series 27SB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 24 | | 60,5 | 12 | | | | | | 27SBAK13MPN |
| | R 3/8 | 24 | | 60,5 | 12 | | | | | | 27SBAK17MPN |
| | R 1/2 | 24 | | 62,5 | 17 | | | | | | 27SBAK21MPN |
| | R 3/4 | 27 | | 62,5 | 17 | | | | | | 27SBAK26MPN |
|  Female Thread | G 1/4 | 24 | | 54,5 | 9 | | | | | | 27SBIW13MPN |
| | G 3/8 | 24 | | 54,5 | 9 | | | | | | 27SBIW17MPN |
| | G 1/2 | 24 | | 54,5 | 12 | | | | | | 27SBIW21MPN |
| | G 3/4 | 32 | | 58,5 | 16 | | | | | | 27SBIW26MPN |
|  Hose Barb | 6 mm | 24 | | 74 | 25 | | | | | | 27SBTF06MPN |
| | 8 mm | 24 | | 74 | 25 | | | | | | 27SBTF08MPN |
| | 9 mm | 24 | | 74 | 25 | | | | | | 27SBTF09MPN |
| | 10 mm | 24 | | 74 | 25 | | | | | | 27SBTF10MPN |
| | 13 mm | 24 | | 74 | 25 | | | | | | 27SBTF13MPN |
| | 16 mm | 24 | | 74 | 25 | | | | | | 27SBTF16MPN |
| | 19 mm | 24 | | 74 | 25 | | | | | | 27SBTF19MPN |

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

**Nominal Diameter**

**10** = 80 mm²

**Rectus Series**

**1727**

energy saver

**Technical Description**
Rectus Tema premium industrial coupling 1/2" with standard European profile. Suitable for compressed air applications with greater than average air consumption. Above-average flow values compared with standard market products.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. Extremely robust and ergonomically shaped, 2-component plastic sleeve.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK27S
for Plug Part.-No. SK16S

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

* For temperatures below -20°C and over +40°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Other designs in series 1727**
The following other designs can be found from page:

➤ Stainless Steel P. 216
➤ Safety Self-Venting P. 290

**KA** Single Shut-Off

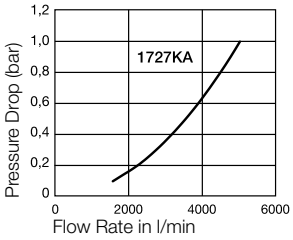
**Working Pressure****
35 bar
** maximum static working pressure with design factor 4 to 1.

**Material**
**Coupling:** Brass nickel plated, Steel QPQ treated, PA6+TPE
**Plug:** Steel nickel plated
**Seals:** NBR

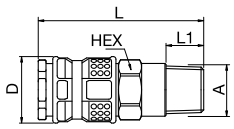
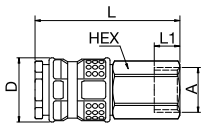
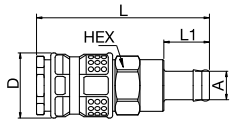
**Interchangeability**
- Rectus 27
- Rectus 1700
- Cejn 410

**Flow diagrams**

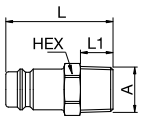
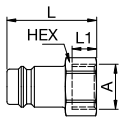
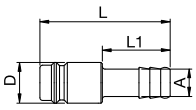
**Air**



## Couplings – with valve — Series 1727KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 3/8 | 24 | | 70 | 12 | | 30 | | | | 1727KAAK17SPN |
| | R 1/2 | 24 | | 75 | 17 | | 30 | | | | 1727KAAK21SPN |
| | R 3/4 | 27 | | 64 | 17 | | 30 | | | | 1727KAAK26SPN |
|  Female Thread | G 3/8 | 24 | | 64,5 | 10 | | 30 | | | | 1727KAIW17SPN |
| | G 1/2 | 24 | | 68 | 12 | | 30 | | | | 1727KAIW21SPN |
| | G 3/4 | 32 | | 69 | 14 | | 30 | | | | 1727KAIW26SPN |
|  Hose Barb | 10 mm | 24 | | 80 | 21 | | 30 | | | | 1727KATF10SPN |
| | 13 mm | 24 | | 80 | 21 | | 30 | | | | 1727KATF13SPN |
| | 16 mm | 24 | | 80 | 21 | | 30 | | | | 1727KATF16SPN |

## Plugs – without valve — Series 27SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 17 | | 40 | 12 | | | | | | 27SFAK13SXN |
| | R 3/8 | 17 | | 40 | 12 | | | | | | 27SFAK17SXN |
| | R 1/2 | 22 | | 45 | 17 | | | | | | 27SFAK21SXN |
| | R 3/4 | 27 | | 48 | 19 | | | | | | 27SFAK26SXN |
|  Female Thread | G 1/4 | 17 | | 33 | 9 | | | | | | 27SFIW13SXN |
| | G 3/8 | 19 | | 33 | 12 | | | | | | 27SFIW17SXN |
| | G 1/2 | 24 | | 37 | 12 | | | | | | 27SFIW21SXN |
| | G 3/4 | 32 | | 42 | 16 | | | | | | 27SFIW26SXN |
|  Hose Barb | 6 mm | | | 48 | 25 | | 15 | | | | 27SFTF06SXN |
| | 8 mm | | | 48 | 25 | | 15 | | | | 27SFTF08SXN |
| | 9 mm | | | 48 | 25 | | 15 | | | | 27SFTF09SXN |
| | 10 mm | | | 48 | 25 | | 15 | | | | 27SFTF10SXN |
| | 13 mm | | | 48 | 25 | | 15 | | | | 27SFTF13SXN |
| | 16 mm | | | 48 | 25 | | 18 | | | | 27SFTF16SXN |
| | 19 mm | | | 48 | 25 | | 21 | | | | 27SFTF19SXN |

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

**Nominal Diameter**

# 10 = 80 mm²

**Tema Series**

# 1800

energy saver

**Technical Description**
Series 1800 is used mainly for applications in the area of compressed air and liquids. The coupling system stands out for its robust, compact design, high flow and high corrosion resistance due to the Ultra HighFlow valve.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. 5026-QC
for Plug Part.-No. 2526-QC

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Other designs in series 1800**
The following other designs can be found from page:

➤ Stainless Steel P. 220

## KA Single Shut-Off

## KB Double Shut-Off

### Working Pressure**

KA: 35 bar
** maximum static working pressure with design factor 4 to 1.

KB: 50 bar

### Features

KA:
- Single-hand operation
- Particularly suited to medium-sized to large pneumatic systems and compressed air tools

KB:
- Two-hand operation
- Special disc shape of the main seal in the coupling extends the durability
- Particularly suited to applications in the area of liquids, which require a coupling that is simple and easy to handle

### Material

KA:
**Coupling:** Brass nickel plated and chrome plated
**Plug:** Steel hardened, zinc plated
**Seals:** NBR

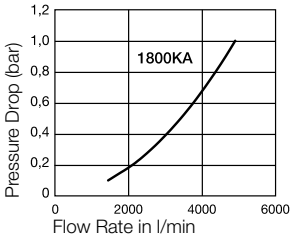
KB:
**Coupling:** Brass nickel plated and chrome plated
**Plug:** Brass nickel plated and chrome plated
**Seals:** NBR

### Interchangeability

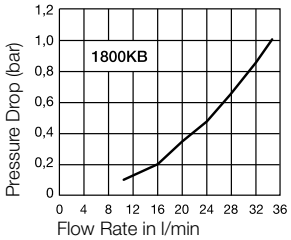
- Rectus 32
- Cejn 408

### Flow diagrams

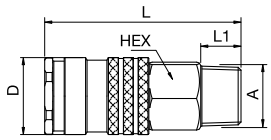
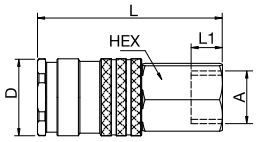
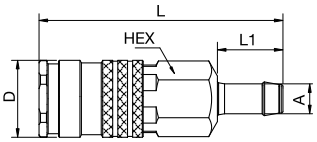
**Air**



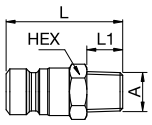
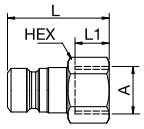
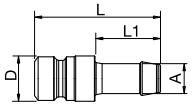

**Water**



## Couplings – with valve — Series 1800KA

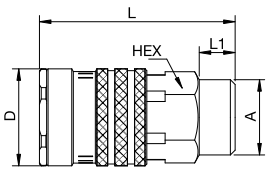
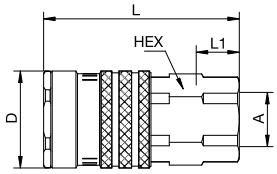
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 3/8 | 23 | | 69 | 11 | | 27 | | | | 1800KAAK17MPN |
| | R 1/2 | 23 | | 69 | 13 | | 27 | | | | 1800KAAK21MPN |
| | R 3/4 | 27 | | 73 | 15 | | 27 | | | | 1800KAAK26MPN |
|  Female Thread | G 3/8 | 23 | | 65 | 10 | | 27 | | | | 1800KAIW17MPN |
| | G 1/2 | 25 | | 65 | 10 | | 27 | | | | 1800KAIW21MPN |
| | G 3/4 | 30 | | 67 | 11 | | 27 | | | | 1800KAIW26MPN |
|  Hose Barb | 10 mm | 23 | | 82 | 23 | | 27 | | | | 1800KATF10MPN |
| | 13 mm | 23 | | 82 | 24 | | 27 | | | | 1800KATF13MPN |
| | 16 mm | 23 | | 82 | 24 | | 27 | | | | 1800KATF16MPN |
| | 19 mm | 23 | | 82 | 24 | | 27 | | | | 1800KATF19MPN |

## Plugs – without valve — Series 1800KA

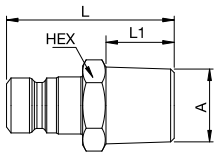
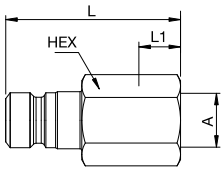
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 17 | | 36 | 10 | | | | | | 1800SFAK10SXZ |
| | R 1/4 | 17 | | 39 | 12 | | | | | | 1800SFAK13SXZ |
| | G 1/4 | 17 | | 35 | 9 | | | | | | 1800SFAW13SXZ |
| | R 3/8 | 17 | | 38 | 12 | | | | | | 1800SFAK17SXZ |
| | G 3/8 | 22 | | 36 | 10 | | | | | | 1800SFAW17SXZ |
| | R 1/2 | 22 | | 40 | 14 | | | | | | 1800SFAK21SXZ |
| | R 3/4 | 27 | | 43 | 16 | | | | | | 1800SFAK26SXZ |
|  Female Thread | G 1/4 | 17 | | 36 | 10 | | | | | | 1800SFIW13SXZ |
| | G 3/8 | 22 | | 36 | 10 | | | | | | 1800SFIW17SXZ |
| | G 1/2 | 27 | | 39 | 12 | | | | | | 1800SFIW21SXZ |
|  Hose Barb | 6 mm | | | 44 | 23 | | 16 | | | | 1800SFTF06SXZ |
| | 8 mm | | | 44 | 23 | | 16 | | | | 1800SFTF08SXZ |
| | 10 mm | | | 44 | 23 | | 16 | | | | 1800SFTF10SXZ |
| | 13 mm | | | 45 | 24 | | 16 | | | | 1800SFTF12SXZ |
| | 16 mm | | | 47 | 24 | | 18 | | | | 1800SFTF16SXZ |
| | 19 mm | | | 47 | 24 | | 23 | | | | 1800SFTF19SXZ |

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

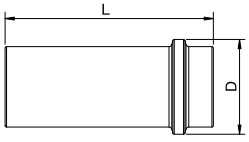
## Couplings – with valve — Series 1800KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/2 | 22 | | 54 | 10 | | 27 | | | | 1800KBAK21MPN |
|  Female Thread | G 3/8 | 22 | | 54 | 9 | | 27 | | | | 1800KBIW17MPN |
| | G 1/2 | 25 | | 55 | 9 | | 27 | | | | 1800KBIW21MPN |
| | G 3/4 | 30 | | 57 | 11 | | 27 | | | | 1800KBIW26MPN |

## Plugs – with valve — Series 1800KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | 1/2 - 14NPTF | 22 | | 47 | 19 | | | | | | 1800SBAN21MPC |
|  Female Thread | G 3/8 | 22 | | 49 | 10 | | | | | | 1800SBIW17MPC |
| | G 3/4 | 30 | | 54 | 12 | | | | | | 1800SBIW26MPC |

## Protective Sleeve — Series 1800KB

| | Description | L mm | D mm | Version | Color | Part Number |
|---|---|---|---|---|---|---|
|  | for Couplings 1800KB | 78 | 38 | EBA | blue | 1800-351 |

# Cross-Reference-List

| Connection | Thread | Rectus Part Number old | Tema Part Number old | Part Number new | Page |
|---|---|---|---|---|---|
| **Couplings – with valve** | | | | | |
| Male Thread | R 3/8 | | 1800 ED | **1800KAAK17MPN** | 141 |
| | R 1/2 | 32KAAK21MPN | 1800 EA | **1800KAAK21MPN** | 141 |
| | R 3/4 | | 1800 EF | **1800KAAK26MPN** | 141 |
| Female Thread | G 3/8 | 32KAIW17MPN | 1800 E | **1800KAIW17MPN** | 141 |
| | G 1/2 | 32KAIW21MPN | 1800 EB | **1800KAIW21MPN** | 141 |
| | G 3/4 | | 1800 EC | **1800KAIW26MPN** | 141 |
| Hose Barb | 10 mm | 32KATF10MPN | 1800 EK10 | **1800KATF10MPN** | 141 |
| | 13 mm | 32KATF13MPN | 1800 EK12 | **1800KATF13MPN** | 141 |
| | 16 mm | 32KATF16MPN | 1800 EK16 | **1800KATF16MPN** | 141 |
| | 19 mm | 32KATF19MPN | 1800 EK19 | **1800KATF19MPN** | 141 |
| | | | | | |
| **Plugs – without valve** | | | | | |
| Male Thread | R 1/8 | | 18105 | **1800SFAK10SXZ** | 141 |
| | R 1/4 | 32SFAK13SXZ | 18110 A | **1800SFAK13SXZ** | 141 |
| | G 1/4 | | 18110 | **1800SFAW13SXZ** | 141 |
| | R 3/8 | 32SFAK17SXZ | 18210 A | **1800SFAK17SXZ** | 141 |
| | G 3/8 | | 18210 | **1800SFAW17SXZ** | 141 |
| | R 1/2 | 32SFAK21SXZ | 18220 | **1800SFAK21SXZ** | 141 |
| | R 3/4 | | 18230 | **1800SFAK26SXZ** | 141 |
| Female Thread | G 1/4 | 32SFIW13SXZ | 18405 | **1800SFIW13SXZ** | 141 |
| | G 3/8 | 32SFIW17SXZ | 18410 | **1800SFIW17SXZ** | 141 |
| | G 1/2 | 32SFIW21SXZ | 18420 | **1800SFIW21SXZ** | 141 |
| Hose Barb | 6 mm | 32SFTF06SXZ | 18006 | **1800SFTF06SXZ** | 141 |
| | 8 mm | 32SFTF08SXZ | 18008 | **1800SFTF08SXZ** | 141 |
| | 10 mm | 32SFTF10SXZ | 18010 | **1800SFTF10SXZ** | 141 |
| | 12 mm | | 18012 | **1800SFTF12SXZ** | 141 |
| | 16 mm | 32SFTF16SXZ | 18016 | **1800SFTF16SXZ** | 141 |
| | 19 mm | 32SFTF19SXZ | 18019 | **1800SFTF19SXZ** | 141 |

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

# Cross-Reference-List

| Connection | Thread | Rectus Part Number old | Tema Part Number old | Part Number new | Page |
|---|---|---|---|---|---|
| **Couplings – with valve** | | | | | |
| Male Thread | R 1/2 | | 1800 NA | **1800KBAK21MPN** | 142 |
| Female Thread | G 3/8 | | 1800 N | **1800KBIW17MPN** | 142 |
| | G 1/2 | | 1800 NB | **1800KBIW21MPN** | 142 |
| | G 3/4 | | 1800 NC | **1800KBIW26MPN** | 142 |
| **Plugs – with valve** | | | | | |
| Male Thread | 1/2 - 14NPTF | | 18420 MN | **1800SBAN21MPC** | 142 |
| Female Thread | G 3/8 | | 18410 MN | **1800SBIW17MPC** | 142 |
| | G 3/4 | | 18430 MN | **1800SBIW26MPC** | 142 |

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

**Nominal Diameter**

**10** = 80 mm²

**Rectus Series**

**34**

**Technical Description**
Industrial coupling with Atlas Copco-Profile. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. Optimal for use with large pneumatic consumers due to the robust design and steel sleeve. The collar design minimises damage to the valve body.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK27S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

## KA Single Shut-Off

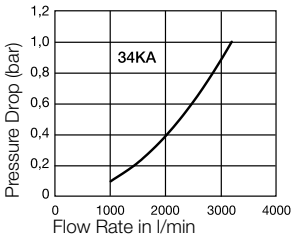
### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

### Material
**Coupling:** Brass / Steel nickel plated
**Plug:** Steel nickel plated
**Seals:** NBR

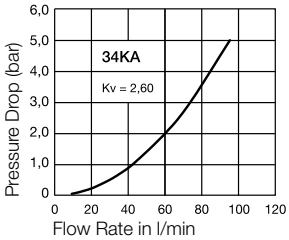
### Interchangeability
- Atlas Copco QIC 15

### Flow diagrams

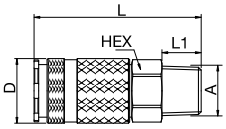
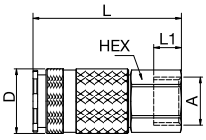
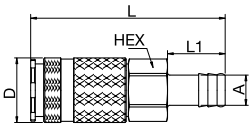
**Air**



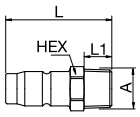
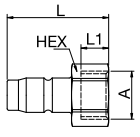
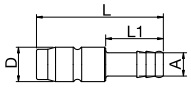

**Water**



## Couplings – with valve — Series 34KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 24 | | 70 | 12 | | 28 | | | | 34KAAK13SPN |
| | R 3/8 | 24 | | 70 | 12 | | 28 | | | | 34KAAK17SPN |
| | R 1/2 | 24 | | 72 | 12 | | 28 | | | | 34KAAK21SPN |
| | R 3/4 | 27 | | 72 | 12 | | 28 | | | | 34KAAK26SPN |
|  Female Thread | G 1/4 | 24 | | 64 | 9 | | 28 | | | | 34KAIW13SPN |
| | G 3/8 | 24 | | 64 | 12 | | 28 | | | | 34KAIW17SPN |
| | G 1/2 | 24 | | 64 | 12 | | 28 | | | | 34KAIW21SPN |
|  Hose Barb | 6 mm | 24 | | 84 | 25 | | 28 | | | | 34KATF06SPN |
| | 8 mm | 24 | | 84 | 25 | | 28 | | | | 34KATF08SPN |
| | 10 mm | 24 | | 84 | 25 | | 28 | | | | 34KATF10SPN |
| | 13 mm | 24 | | 84 | 25 | | 28 | | | | 34KATF13SPN |
| | 16 mm | 24 | | 84 | 25 | | 28 | | | | 34KATF16SPN |
| | 19 mm | 24 | | 84 | 25 | | 28 | | | | 34KATF19SPN |

## Plugs – without valve — Series 34KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 17 | | 46 | 12 | | | | | | 34SFAK13SXN |
| | R 3/8 | 19 | | 46 | 12 | | | | | | 34SFAK17SXN |
| | R 1/2 | 22 | | 52 | 17 | | | | | | 34SFAK21SXN |
|  Female Thread | G 3/8 | 19 | | 40 | 9 | | | | | | 34SFIW17SXN |
| | G 1/2 | 24 | | 44 | 12 | | | | | | 34SFIW21SXN |
|  Hose Barb | 6 mm | | | 55 | 25 | | 15 | | | | 34SFTF06SXN |
| | 10 mm | | | 55 | 25 | | 15 | | | | 34SFTF10SXN |
| | 13 mm | | | 55 | 25 | | 15 | | | | 34SFTF13SXN |
| | 16 mm | | | 55 | 25 | | 18 | | | | 34SFTF16SXN |

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

**Nominal Diameter**

**10** = 80 mm²

**Rectus Series**

**41**

**Technical Description**
Brass coupling with no valve for applications with liquids in the pressure range up to 35 bar. The couplings are corrosion resistant. The system stands out for a high flow with minimal pressure drop.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

## KF Straight-Through

### Working Pressure**

35 bar
** maximum static working pressure with design factor 4 to 1.

### Material

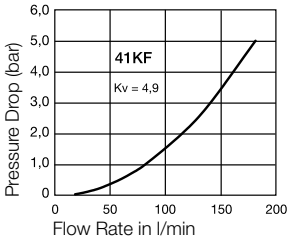
**Coupling:** Brass nickel plated
**Plug:** Brass nickel plated
**Seals:** NBR

### Interchangeability

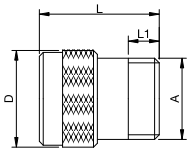
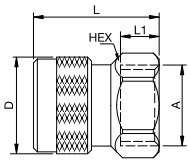
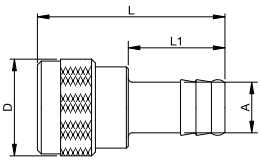
- Rectus 27
- Cejn 417

### Flow diagrams

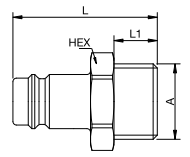
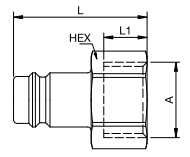
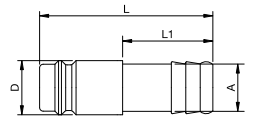
**Water**



## Couplings – without valve — Series 41KF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/2 | | | 31 | 8 | | 25 | | | | 41KFAW21MPN |
| | G 3/4 | | | 32,5 | 9 | | 25 | | | | 41KFAW26MPN |
|  Female Thread | G 1/2 | 24 | | 32,5 | 10 | | 25 | | | | 41KFIW21MPN |
| | G 3/4 | 30 | | 32,5 | 10 | | 25 | | | | 41KFIW26MPN |
| | M 22 x 1 | 24 | | 32,5 | 10 | | 25 | | | | 41KFIM22MPN |
|  Hose Barb | 10 mm | | | 48,5 | 25 | | 25 | | | | 41KFTF10MPN |
| | 13 mm | | | 48,5 | 25 | | 25 | | | | 41KFTF13MPN |
| | 16 mm | | | 48,5 | 25 | | 25 | | | | 41KFTF16MPN |
| | 19 mm | | | 48,5 | 25 | | 25 | | | | 41KFTF19MPN |

## Plugs – without valve — Series 41KF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/2 | 24 | | 40 | 12 | | | | | | 41SFAW21MXN |
| | G 3/4 | 32 | | 45 | 16 | | | | | | 41SFAW26MXN |
|  Female Thread | G 1/2 | 24 | | 37 | 12 | | | | | | 41SFIW21MXN |
| | G 3/4 | 32 | | 42 | 16 | | | | | | 41SFIW26MXN |
| | M 22 x 1 | 24 | | 36 | 12 | | | | | | 41SFIM22MXN |
|  Hose Barb | 8 mm | | | 48 | 25 | | 15 | | | | 41SFTF08MXN |
| | 10 mm | | | 48 | 25 | | 15 | | | | 41SFTF10MXN |
| | 13 mm | | | 48 | 25 | | 15 | | | | 41SFTF13MXN |
| | 16 mm | | | 48 | 25 | | 18 | | | | 41SFTF16MXN |
| | 19 mm | | | 48 | 25 | | 21 | | | | 41SFTF19MXN |

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

**Nominal Diameter**

**11** = 95 mm²

**Rectus Series**

**42**

**Technical Description**
Brass coupling with no valve for applications with liquids in the pressure range up to 35 bar. The couplings are corrosion resistant. The system stands out for a high flow with minimal pressure drop.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

## KF Straight-Through

### Working Pressure**

35 bar
** maximum static working pressure with design factor 4 to 1.

### Material

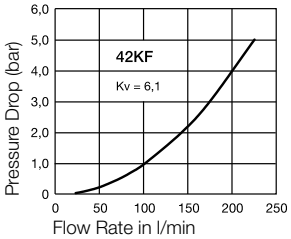
**Coupling:** Brass chrome plated
**Plug:** Brass chrome plated
**Seals:** NBR

### Interchangeability

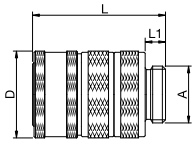
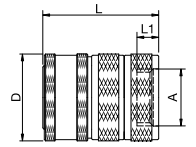
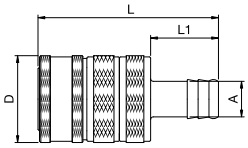
- ABA-Beul

### Flow diagrams

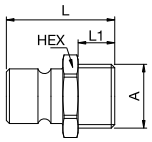
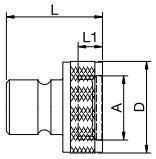
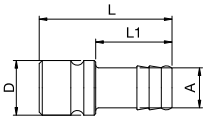
**Water**



## Couplings – without valve — Series 42KF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/2 | | | 49 | 7,5 | | 32 | | | | 42KFAW21MPC |
| | G 3/4 | | | 49 | 7,5 | | 32 | | | | 42KFAW26MPC |
|  Female Thread | G 1/2 | | | 34 | 8 | | 32 | | | | 42KFIW21MPC |
| | G 3/4 | | | 34 | 8 | | 32 | | | | 42KFIW26MPC |
|  Hose Barb | 9 mm | | | 55 | 25 | | 32 | | | | 42KFTF09MPC |
| | 13 mm | | | 55 | 25 | | 32 | | | | 42KFTF13MPC |
| | 19 mm | | | 55 | 25 | | 32 | | | | 42KFTF19MPC |

## Plugs – without valve — Series 42KF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/2 | 24 | | 35,5 | 12 | | | | | | 42SFAW21MXC |
| | G 3/4 | 32 | | 42,5 | 16 | | | | | | 42SFAW26MXC |
|  Female Thread | G 1/2 | | | 31,5 | 8 | | 30 | | | | 42SFIW21MXC |
| | G 3/4 | | | 31,5 | 8 | | 30 | | | | 42SFIW26MXC |
|  Hose Barb | 9 mm | | | 48 | 25 | | 15 | | | | 42SFTF09MXC |
| | 13 mm | | | 48 | 25 | | 15 | | | | 42SFTF13MXC |
| | 19 mm | | | 48 | 25 | | 15 | | | | 42SFTF19MXC |

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

**Nominal Diameter**

# 11 = 95 mm²

**Rectus Series**

# 37

**Technical Description**
Robust brass coupling system 1/2" according to ISO 6150 B and US MIL-SPEC 4109.
Coupling system with single-hand operation. The high insertion depth is guaranteed by an optimised plug guide.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK27S
for Plug Part.-No. SK16S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

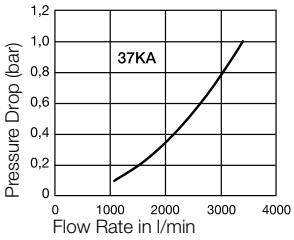
## KA Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

### Material
**Coupling:** Brass
**Plug:** Steel nickel plated
**Seals:** NBR

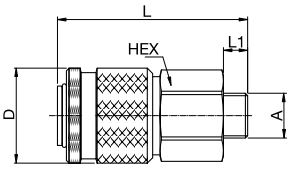
### Interchangeability
- Industrial Interchange 1/2"
- US-MIL-SPEC C-4109 1/2"
- ISO 6150-B
- Gromelle 1300
- Hansen 5000

### Flow diagrams
**Air**



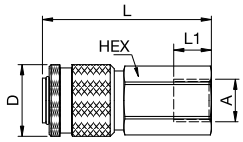
# Couplings – with valve

## Series 37KA



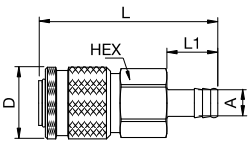

Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 30 | | 70,5 | 9 | | 35 | | | blank | 37KAAW17MPX |
| G 3/8 | 30 | | 70,5 | 9 | | 35 | | | nickel plated | 37KAAW17MPN |
| 1/2" NPT | 30 | | 79 | 17 | | 35 | | | blank | 37KAAN21MPX |
| 1/2" NPT | 30 | | 79 | 17 | | 35 | | | nickel plated | 37KAAN21MPN |
| G 1/2 | 30 | | 76,5 | 12 | | 35 | | | blank | 37KAAW21MPX |
| G 1/2 | 30 | | 76,5 | 12 | | 35 | | | nickel plated | 37KAAW21MPN |
| 3/4" NPT | 30 | | 81 | 19 | | 35 | | | blank | 37KAAN26MPX |
| 3/4" NPT | 30 | | 81 | 19 | | 35 | | | nickel plated | 37KAAN26MPN |
| G 3/4 | 30 | | 77,5 | 13 | | 35 | | | blank | 37KAAW26MPX |
| G 3/4 | 30 | | 77,5 | 13 | | 35 | | | nickel plated | 37KAAW26MPN |




Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 3/8" NPSF | 30 | | 76 | 14 | | 35 | | | blank | 37KAIN17MPX |
| 3/8" NPSF | 30 | | 76 | 14 | | 35 | | | nickel plated | 37KAIN17MPN |
| 1/2" NPSF | 30 | | 83 | 23 | | 35 | | | blank | 37KAIN21MPX |
| 1/2" NPSF | 30 | | 83 | 23 | | 35 | | | nickel plated | 37KAIN21MPN |
| 3/4" NPSF | 32 | | 84 | 24 | | 35 | | | blank | 37KAIN26MPX |
| 3/4" NPSF | 32 | | 84 | 24 | | 35 | | | nickel plated | 37KAIN26MPN |



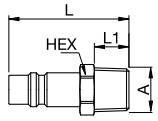
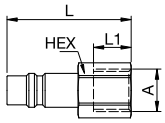
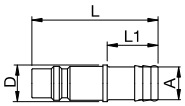

Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 10 mm | 30 | | 86 | 25 | | 35 | | | blank | 37KATF10MPX |
| 10 mm | 30 | | 86 | 25 | | 35 | | | nickel plated | 37KATF10MPN |
| 13 mm | 30 | | 86 | 25 | | 35 | | | blank | 37KATF13MPX |
| 13 mm | 30 | | 86 | 25 | | 35 | | | nickel plated | 37KATF13MPN |
| 16 mm | 30 | | 86 | 25 | | 35 | | | blank | 37KATF16MPX |
| 16 mm | 30 | | 86 | 25 | | 35 | | | nickel plated | 37KATF16MPN |
| 19 mm | 30 | | 86 | 25 | | 35 | | | blank | 37KATF19MPX |
| 19 mm | 30 | | 86 | 25 | | 35 | | | nickel plated | 37KATF19MPN |

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

# Plugs – without valve

## Series 37KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/2 | 22 | | 60 | 17 | | | | | | 37SFAK21SXN |
| | R 3/4 | 27 | | 61 | 19 | | | | | | 37SFAK26SXN |
|  Female Thread | G 1/2 | 24 | | 50 | 10 | | | | | | 37SFIW21SXN |
| | G 3/4 | 32 | | 57 | 14 | | | | | | 37SFIW26SXN |
|  Hose Barb | 10 mm | | | 62 | 25 | | 17 | | | | 37SFTF10SXN |
| | 13 mm | | | 62 | 25 | | 17 | | | | 37SFTF13SXN |
| | 16 mm | | | 62 | 25 | | 18 | | | | 37SFTF16SXN |
| | 19 mm | | | 72 | 35 | | 21 | | | | 37SFTF19SXN |

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

**Nominal Diameter**

**12** = 115 mm²

**Rectus Series**

**57**

**Technical Description**
German industrial profile for compressed air applications. UltraFlo valve for optimum flow and low pressure drop. Robust structure, optimised with respect to size and performance. Especially suitable for oscillating forces due to steel sleeve and steel valve bodies. The collar design minimises damage to the valve body.

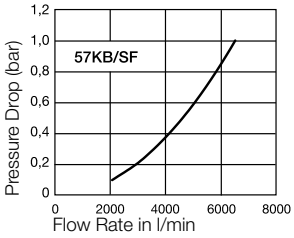
**Working Temperature***
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

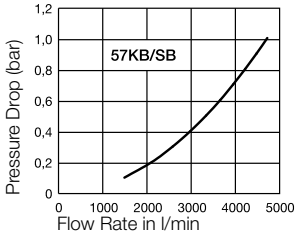
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar |
| **Features** | |
| | • Brass design particularly suited to use with liquids |
| **Material** | |
| **Coupling:** Brass / Steel nickel plated<br>**Plug:** Steel nickel plated<br>**Seals:** NBR | **Coupling:** Brass / Steel nickel plated<br>**Plug:** Brass nickel plated<br>**Seals:** NBR |
| **Interchangeability** | |
| • Walther LP012 | |

**Flow diagrams**

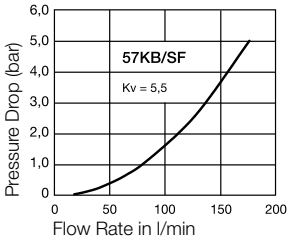
**Air**



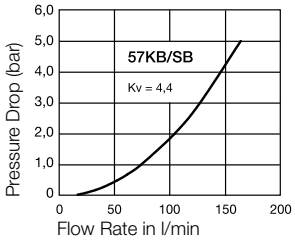

**Air**



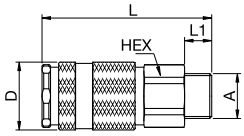
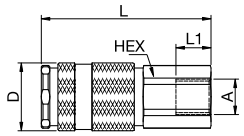
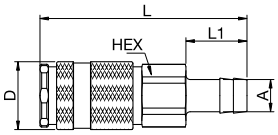

**Water**



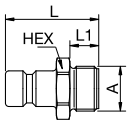
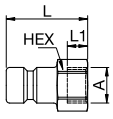
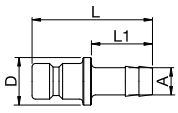

**Water**



## Couplings – with valve — Series 57KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/2 | 34 | | 98 | 12 | | 40 | | | | 57KBAW21BPN |
| | G 3/4 | 34 | | 100 | 16 | | 40 | | | | 57KBAW26BPN |
| | G 1 | 41 | | 100 | 19 | | 40 | | | | 57KBAW33BPN |
|  Female Thread | G 1/2 | 34 | | 100 | 19 | | 40 | | | | 57KBIW21BPN |
| | G 3/4 | 34 | | 100 | 16 | | 40 | | | | 57KBIW26BPN |
| | G 1 | 41 | | 101 | 20 | | 40 | | | | 57KBIW33BPN |
|  Hose Barb | 16 mm | 34 | | 122 | 36 | | 40 | | | | 57KBTF16BPN |
| | 19 mm | 34 | | 122 | 36 | | 40 | | | | 57KBTF19BPN |

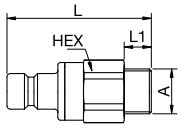
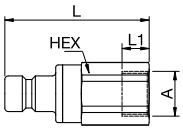
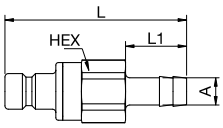
## Plugs – without valve — Series 57SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 3/8 | 27 | | 49 | 12 | | | | | | 57SFAW17SXN |
| | G 1/2 | 27 | | 52 | 15 | | | | | | 57SFAW21SXN |
| | G 3/4 | 32 | | 55 | 17 | | | | | | 57SFAW26SXN |
| | G 1/2 | 41 | | 60 | 20 | | | | | | 57SFAW33SXN |
|  Female Thread | G 1/2 | 27 | | 48 | 15 | | | | | | 57SFIW21SXN |
| | G 3/4 | 32 | | 54 | 20 | | | | | | 57SFIW26SXN |
|  Hose Barb | 13 mm | | | 63 | 28 | | 28 | | | | 57SFTF13SXN |
| | 16 mm | | | 71 | 36 | | 28 | | | | 57SFTF16SXN |
| | 19 mm | | | 71 | 36 | | 28 | | | | 57SFTF19SXN |

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

# Plugs – with valve

## Series 57SB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 3/8 | 34 | | 86 | 12 | | | | | | 57SBAW17MPN |
| | G 1/2 | 34 | | 83 | 12 | | | | | | 57SBAW21MPN |
| | G 3/4 | 34 | | 85 | 16 | | | | | | 57SBAW26MPN |
| | G 1 | 41 | | 85 | 19 | | | | | | 57SBAW33MPN |
|  Female Thread | G 1/2 | 34 | | 85 | 19 | | | | | | 57SBIW21MPN |
| | G 3/4 | 34 | | 85 | 16 | | | | | | 57SBIW26MPN |
|  Hose Barb | 13 mm | 34 | | 101 | 28 | | | | | | 57SBTF13MPN |
| | 16 mm | 34 | | 107 | 36 | | | | | | 57SBTF16MPN |
| | 19 mm | 34 | | 107 | 36 | | | | | | 57SBTF19MPN |

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

**Nominal Diameter**

# 12,4 = 120 mm²

**Rectus Series**

# 1900

**Technical Description**
Robust, corrosion resistant coupling system in brass with high flow values for use with liquids in the pressure range up to 50 bar.
Two-hand operation, i.e. both hands are required when connect/disconnect. The main seal of the coupling has a special disc shape, which extends the durability of the coupling. To guarantee greater flexibility, we also offer plugs with no valve.

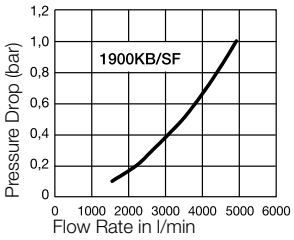
**Working Temperature***
-40°C up to +150°C (EPDM) depending on the medium.

* For temperatures below -40°C and over +150°C and depending on the medium, other seal variants (NBR, FKM, FFKM) are available.

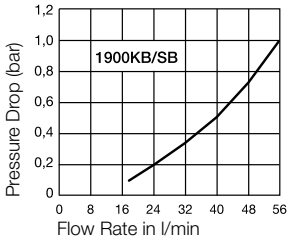
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 50 bar<br>** maximum static working pressure with design factor 4 to 1. | 50 bar |
| **Material** | |
| **Coupling:** Brass nickel plated and chrome plated<br>**Plug:** Brass nickel plated and chrome plated<br>**Seals:** EPDM | **Coupling:** Brass nickel plated and chrome plated<br>**Plug:** Brass nickel plated and chrome plated<br>**Seals:** EPDM |
| **Interchangeability** | |
| • Tema Design | |

**Flow diagrams**

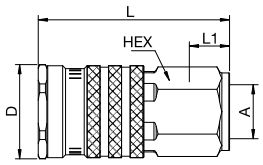
**Air**




**Water**



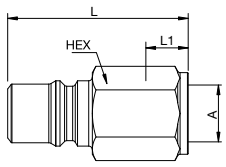
## Couplings – with valve — Series 1900KB



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | 27 | | 67 | 12 | | 33 | | | | 1900KBIW21MEN |
| G 3/4 | 30 | | 68 | 12 | | 33 | | | | 1900KBIW26MEN |

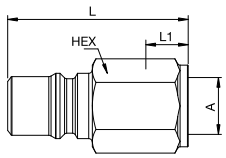
## Plugs – without valve — Series 1900SF



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | 27 | | 60 | 12 | | | | | | 1900SFIW21MXC |
| G 3/4 | 30 | | 62 | 12 | | | | | | 1900SFIW26MXC |

## Plugs – with valve — Series 1900SB



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | 27 | | 60 | 12 | | | | | | 1900SBIW21MEC |
| G 3/4 | 30 | | 62 | 12 | | | | | | 1900SBIW26MEC |

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

# Cross-Reference-List

| Connection | Thread | Rectus Part Number old | Tema Part Number old | Part Number new | Page |
|---|---|---|---|---|---|
| **Couplings – with valve** | | | | | |
| Female Thread | G 1/2 | | 1900 NBE | **1900KBIW21MEN** | 161 |
| | G 3/4 | | 1900 NCE | **1900KBIW26MEN** | 161 |
| | | | | | |
| **Plugs – without valve** | | | | | |
| Female Thread | G 1/2 | | 19420 M | **1900SFIW21MXC** | 161 |
| | G 3/4 | | 19430 M | **1900SFIW26MXC** | 161 |
| | | | | | |
| **Plugs – with valve** | | | | | |
| Female Thread | G 1/2 | | 19420 MNE | **1900SBIW21MEC** | 161 |
| | G 3/4 | | 19430 MNE | **1900SBIW26MEC** | 161 |
| | | | | | |

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

**Nominal Diameter**

**13** = 130 mm²

**Rectus Series**

**29**

**Technical Description**
Robust coupling system in steel, which is particularly suited to use in the construction industry and mining. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

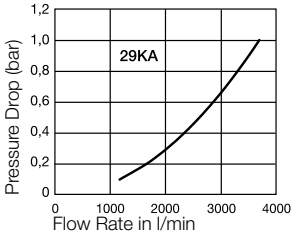
## KA Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

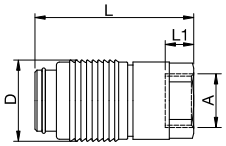
### Material
**Coupling:** Steel zinc plated
**Plug:** Steel zinc plated
**Seals:** NBR

### Interchangeability
- Rectus Design

### Flow diagrams
**Air**



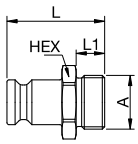
## Couplings – with valve — Series 29KA



Female Thread

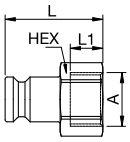
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | | | 78 | 13 | | 40 | | | | 29KAIW21SPZ |
| G 3/4 | | | 78 | 16 | | 40 | | | | 29KAIW26SPZ |

## Plugs – without valve — Series 29KA



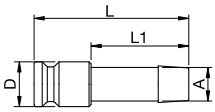
Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | 24 | | 48 | 13 | | | | | | 29SFAW21SPZ |
| G 3/4 | 32 | | 48 | 14 | | | | | | 29SFAW26SPZ |



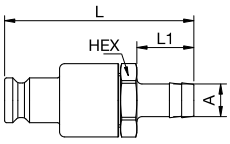
Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | 27 | | 44 | 12 | | | | | | 29SFIW21SPZ |
| G 3/4 | 32 | | 48 | 16 | | | | | | 29SFIW26SPZ |



Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 13 mm | | | 76 | 49 | | 22 | | | | 29SFTF13SPZ |
| 19 mm | | | 76 | 49 | | 22 | | | | 29SFTF19SPZ |



Recoil Eliminator, with Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 13 mm | 32 | | 93 | 28 | | | | | | 29SRTF13SPZ |
| 19 mm | 32 | | 101 | 36 | | | | | | 29SRTF19SPZ |

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

**Nominal Diameter**

**15** = 175 mm²

**Rectus Series**

**38**

**Technical Description**
Compact industrial coupling system in brass for use with numerous gaseous and liquid media.
UltraFlo valve for optimum flow and low pressure drop.

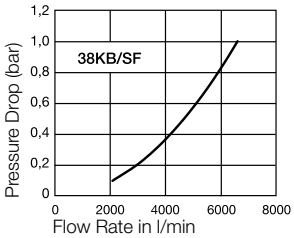
**Working Temperature***
-20°C up to +100°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

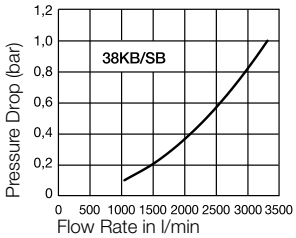
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar |
| **Material** | |
| **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR | **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR |
| **Interchangeability** | |
| • Hansen 6000 | |

**Flow diagrams**

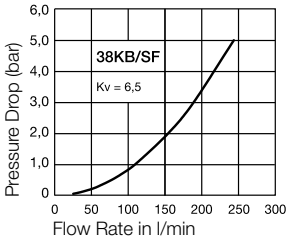
**Air**



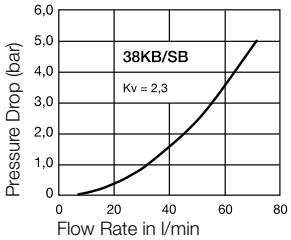

**Air**




**Water**

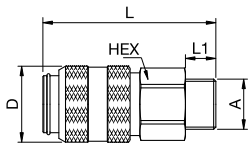
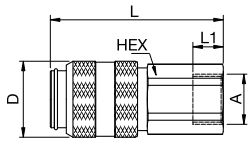
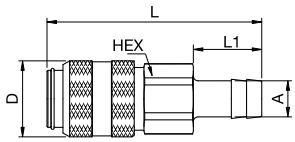



**Water**



# Couplings – with valve

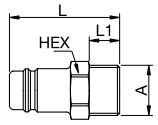
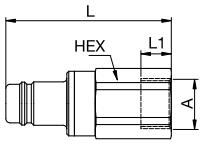
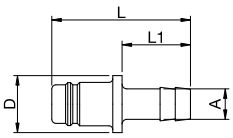
## Series 38KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/2 | 34 | | 89 | 12 | | 40 | | | blank | 38KBAW21MPX |
| | G 1/2 | 34 | | 89 | 12 | | 40 | | | nickel plated | 38KBAW21MPN |
| | G 3/4 | 34 | | 91 | 16 | | 40 | | | blank | 38KBAW26MPX |
| | G 3/4 | 34 | | 91 | 16 | | 40 | | | nickel plated | 38KBAW26MPN |
| | G 1 | 41 | | 91 | 19 | | 40 | | | blank | 38KBAW33MPX |
| | G 1 | 41 | | 91 | 19 | | 40 | | | nickel plated | 38KBAW33MPN |
| | | | | | | | | | | | |
|  Female Thread | G 1/2 | 34 | | 95 | 20 | | 40 | | | blank | 38KBIW21MPX |
| | G 1/2 | 34 | | 95 | 20 | | 40 | | | nickel plated | 38KBIW21MPN |
| | G 3/4 | 34 | | 91 | 14 | | 40 | | | blank | 38KBIW26MPX |
| | G 3/4 | 34 | | 91 | 14 | | 40 | | | nickel plated | 38KBIW26MPN |
| | G 1 | 41 | | 92 | 20 | | 40 | | | blank | 38KBIW33MPX |
| | G 1 | 41 | | 92 | 20 | | 40 | | | nickel plated | 38KBIW33MPN |
| | | | | | | | | | | | |
|  Hose Barb | 13 mm | 34 | | 105 | 28 | | 40 | | | blank | 38KBTF13MPX |
| | 13 mm | 34 | | 105 | 28 | | 40 | | | nickel plated | 38KBTF13MPN |
| | 16 mm | 34 | | 113 | 36 | | 40 | | | blank | 38KBTF16MPX |
| | 16 mm | 34 | | 113 | 36 | | 40 | | | nickel plated | 38KBTF16MPN |
| | 19 mm | 34 | | 113 | 36 | | 40 | | | blank | 38KBTF19MPX |
| | 19 mm | 34 | | 113 | 36 | | 40 | | | nickel plated | 38KBTF19MPN |
| | 25 mm | 34 | | 109 | 36 | | 40 | | | blank | 38KBTF25MPX |
| | 25 mm | 34 | | 109 | 36 | | 40 | | | nickel plated | 38KBTF25MPN |
| | | | | | | | | | | | |

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

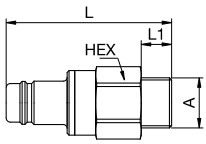
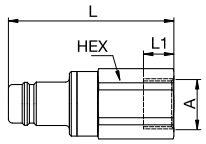
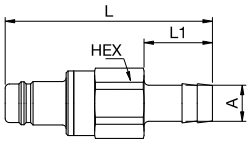
# Plugs – without valve

## Series 38SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/2 | 24 | | 54 | 12 | | | | | blank | 38SFAW21MXX |
| | G 1/2 | 24 | | 54 | 12 | | | | | nickel plated | 38SFAW21MXN |
| | G 3/4 | 27 | | 58 | 16 | | | | | blank | 38SFAW26MXX |
| | G 3/4 | 27 | | 58 | 16 | | | | | nickel plated | 38SFAW26MXN |
| | G 1 | 36 | | 63 | 19 | | | | | blank | 38SFAW33MXX |
| | G 1 | 36 | | 63 | 19 | | | | | nickel plated | 38SFAW33MXN |
| | | | | | | | | | | | |
|  Female Thread | G 1/2 | 24 | | 49 | 12 | | | | | blank | 38SFIW21MXX |
| | G 1/2 | 24 | | 49 | 12 | | | | | nickel plated | 38SFIW21MXN |
| | G 3/4 | 30 | | 54 | 18 | | | | | blank | 38SFIW26MXX |
| | G 3/4 | 30 | | 54 | 18 | | | | | nickel plated | 38SFIW26MXN |
| | G 1 | 41 | | 61 | 24 | | | | | blank | 38SFIW33MXX |
| | G 1 | 41 | | 61 | 24 | | | | | nickel plated | 38SFIW33MXN |
| | | | | | | | | | | | |
|  Hose Barb | 13 mm | | | 65 | 28 | | 30 | | | blank | 38SFTF13MXX |
| | 13 mm | | | 65 | 28 | | 30 | | | nickel plated | 38SFTF13MXN |
| | 16 mm | | | 73 | 36 | | 30 | | | blank | 38SFTF16MXX |
| | 16 mm | | | 73 | 36 | | 30 | | | nickel plated | 38SFTF16MXN |
| | 19 mm | | | 73 | 36 | | 30 | | | blank | 38SFTF19MXX |
| | 19 mm | | | 73 | 36 | | 30 | | | nickel plated | 38SFTF19MXN |
| | 25 mm | | | 76 | 36 | | 30 | | | blank | 38SFTF25MXX |
| | 25 mm | | | 76 | 36 | | 30 | | | nickel plated | 38SFTF25MXN |
| | | | | | | | | | | | |

# Plugs – with valve

## Series 38SB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/2 | 34 | | 85 | 12 | | | | | blank | 38SBAW21MPX |
| | G 1/2 | 34 | | 85 | 12 | | | | | nickel plated | 38SBAW21MPN |
| | G 3/4 | 34 | | 87 | 16 | | | | | blank | 38SBAW26MPX |
| | G 3/4 | 34 | | 87 | 16 | | | | | nickel plated | 38SBAW26MPN |
| | G 1 | 41 | | 87 | 19 | | | | | blank | 38SBAW33MPX |
| | G 1 | 41 | | 87 | 19 | | | | | nickel plated | 38SBAW33MPN |
| | | | | | | | | | | | |
|  Female Thread | G 1/2 | 34 | | 87 | 16 | | | | | blank | 38SBIW21MPX |
| | G 1/2 | 34 | | 87 | 16 | | | | | nickel plated | 38SBIW21MPN |
| | G 3/4 | 34 | | 87 | 16 | | | | | blank | 38SBIW26MPX |
| | G 3/4 | 34 | | 87 | 16 | | | | | nickel plated | 38SBIW26MPN |
| | G 1 | 41 | | 88 | 26 | | | | | blank | 38SBIW33MPX |
| | G 1 | 41 | | 88 | 26 | | | | | nickel plated | 38SBIW33MPN |
| | | | | | | | | | | | |
|  Hose Barb | 13 mm | 34 | | 103 | 28 | | | | | blank | 38SBTF13MPX |
| | 13 mm | 34 | | 103 | 28 | | | | | nickel plated | 38SBTF13MPN |
| | 16 mm | 34 | | 109 | 36 | | | | | blank | 38SBTF16MPX |
| | 16 mm | 34 | | 109 | 36 | | | | | nickel plated | 38SBTF16MPN |
| | 19 mm | 34 | | 109 | 36 | | | | | blank | 38SBTF19MPX |
| | 19 mm | 34 | | 109 | 36 | | | | | nickel plated | 38SBTF19MPN |
| | 25 mm | 34 | | 105 | 36 | | | | | blank | 38SBTF25MPX |
| | 25 mm | 34 | | 105 | 36 | | | | | nickel plated | 38SBTF25MPN |
| | | | | | | | | | | | |

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

**Nominal Diameter**

**19** = 300 mm²

**Rectus Series**

**39**

**Technical Description**
Compact industrial coupling system in brass for use with numerous gaseous and liquid media.
UltraFlo valve for optimum flow and low pressure drop.

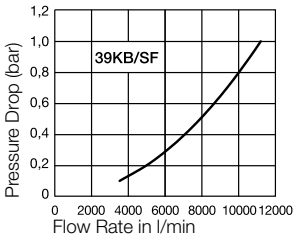
**Working Temperature***
-20°C up to +100°C (NBR)
depending on the medium.

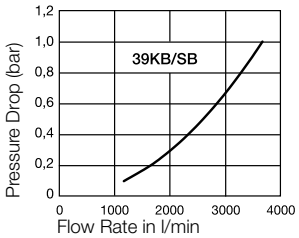
* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

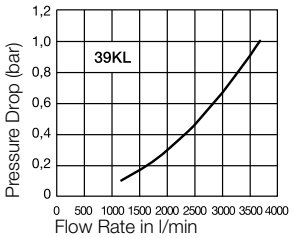
| KA Single Shut-Off | KB Double Shut-Off | KL Leak-Free |
|---|---|---|
| **Working Pressure**** | | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar | 8 bar |
| **Features** | | |
| | | • Minimal, almost imperceptible leakage when uncoupling<br>• No air locked into the system during the coupling process |
| **Material** | | |
| **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR | **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR | **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR |
| **Interchangeability** | | |
| • Hansen 7000 | | |

**Flow diagrams**

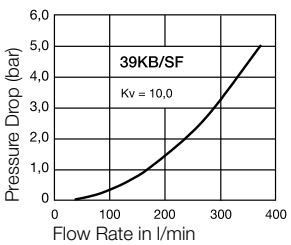
**Air**

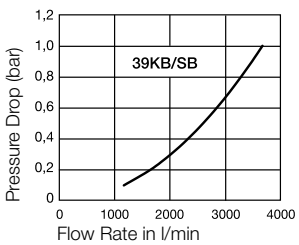


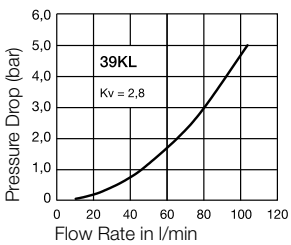



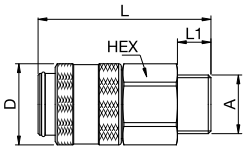
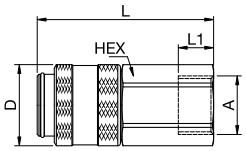
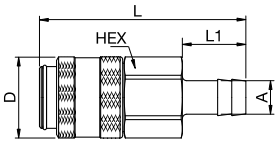

**Water**



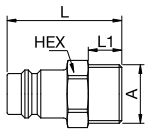
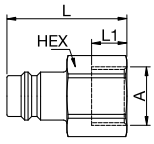
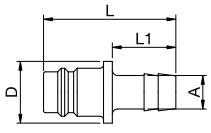



## Couplings – with valve — Series 39KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 3/4 | 41 | | 95 | 16 | | 46 | | | blank | 39KBAW26MPX |
| | G 3/4 | 41 | | 95 | 16 | | 46 | | | nickel plated | 39KBAW26MPN |
| | G 1 | 41 | | 98 | 19 | | 46 | | | blank | 39KBAW33MPX |
| | G 1 | 41 | | 98 | 19 | | 46 | | | nickel plated | 39KBAW33MPN |
| | G 1 1/4 | 46 | | 98 | 19 | | 46 | | | blank | 39KBAW42MPX |
| | G 1 1/4 | 46 | | 98 | 19 | | 46 | | | nickel plated | 39KBAW42MPN |
|  Female Thread | G 3/4 | 41 | | 99 | 20 | | 46 | | | blank | 39KBIW26MPX |
| | G 3/4 | 41 | | 99 | 20 | | 46 | | | nickel plated | 39KBIW26MPN |
| | G 1 | 41 | | 100 | 20 | | 46 | | | blank | 39KBIW33MPX |
| | G 1 | 41 | | 100 | 20 | | 46 | | | nickel plated | 39KBIW33MPN |
| | G 1 1/4 | 50 | | 105 | 22 | | 46 | | | blank | 39KBIW42MPX |
| | G 1 1/4 | 50 | | 105 | 22 | | 46 | | | nickel plated | 39KBIW42MPN |
|  Hose Barb | 19 mm | 41 | | 115 | 36 | | 46 | | | blank | 39KBTF19MPX |
| | 19 mm | 41 | | 115 | 36 | | 46 | | | nickel plated | 39KBTF19MPN |
| | 25 mm | 41 | | 125 | 48 | | 46 | | | blank | 39KBTF25MPX |
| | 25 mm | 41 | | 125 | 48 | | 46 | | | nickel plated | 39KBTF25MPN |

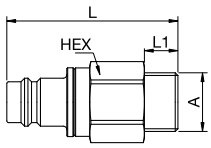
## Plugs – without valve — Series 39SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 3/4 | 30 | | 60 | 16 | | | | | blank | 39SFAW26MXX |
| | G 3/4 | 30 | | 60 | 16 | | | | | nickel plated | 39SFAW26MXN |
| | G 1 | 34 | | 65 | 19 | | | | | blank | 39SFAW33MXX |
| | G 1 | 34 | | 65 | 19 | | | | | nickel plated | 39SFAW33MXN |
| | G 1 1/4 | 46 | | 68 | 19 | | | | | blank | 39SFAW42MXX |
| | G 1 1/4 | 46 | | 68 | 19 | | | | | nickel plated | 39SFAW42MXN |
|  Female Thread | G 3/4 | 32 | | 58 | 16 | | | | | blank | 39SFIW26MXX |
| | G 3/4 | 32 | | 58 | 16 | | | | | nickel plated | 39SFIW26MXN |
| | G 1 | 41 | | 68 | 24 | | | | | blank | 39SFIW33MXX |
| | G 1 | 41 | | 68 | 24 | | | | | nickel plated | 39SFIW33MXN |
| | G 1 1/4 | 50 | | 70 | 26 | | | | | blank | 39SFIW42MXX |
| | G 1 1/4 | 50 | | 70 | 26 | | | | | nickel plated | 39SFIW42MXN |
|  Hose Barb | 19 mm | | | 75 | 36 | | 35 | | | blank | 39SFTF19MXX |
| | 19 mm | | | 75 | 36 | | 35 | | | nickel plated | 39SFTF19MXN |
| | 25 mm | | | 87 | 48 | | 35 | | | blank | 39SFTF25MXX |
| | 25 mm | | | 87 | 48 | | 35 | | | nickel plated | 39SFTF25MXN |

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

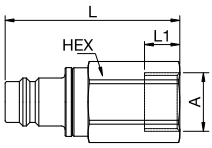
# Plugs – with valve

## Series 39SB



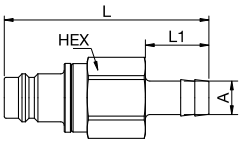

Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/4 | 41 | | 92 | 16 | | | | | blank | 39SBAW26MPX |
| G 3/4 | 41 | | 92 | 16 | | | | | nickel plated | 39SBAW26MPN |
| G 1 | 41 | | 95 | 19 | | | | | blank | 39SBAW33MPX |
| G 1 | 41 | | 95 | 19 | | | | | nickel plated | 39SBAW33MPN |
| G 1 1/4 | 46 | | 95 | 19 | | | | | blank | 39SBAW42MPX |
| G 1 1/4 | 46 | | 95 | 19 | | | | | nickel plated | 39SBAW42MPN |




Female Thread

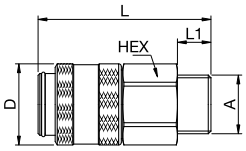
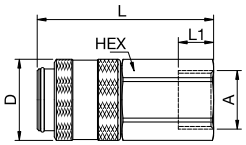
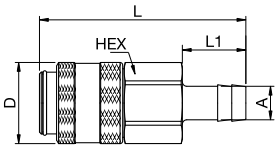
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/4 | 41 | | 96 | 19 | | | | | blank | 39SBIW26MPX |
| G 3/4 | 41 | | 96 | 19 | | | | | nickel plated | 39SBIW26MPN |
| G 1 | 41 | | 97 | 24 | | | | | blank | 39SBIW33MPX |
| G 1 | 41 | | 97 | 24 | | | | | nickel plated | 39SBIW33MPN |
| G 1 1/4 | 50 | | 102 | 26 | | | | | blank | 39SBIW42MPX |
| G 1 1/4 | 50 | | 102 | 26 | | | | | nickel plated | 39SBIW42MPN |



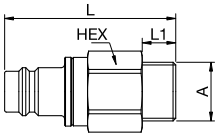
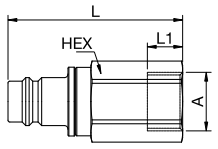
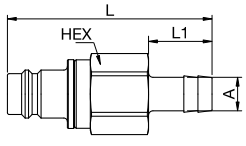

Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 19 mm | 41 | | 114 | 36 | | | | | blank | 39SBTF19MPX |
| 19 mm | 41 | | 114 | 36 | | | | | nickel plated | 39SBTF19MPN |
| 25 mm | 41 | | 124 | 48 | | | | | blank | 39SBTF25MPX |
| 25 mm | 41 | | 124 | 48 | | | | | nickel plated | 39SBTF25MPN |

## Couplings – flat-sealing — Series 39KL

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 3/4 | 41 | | 95 | 16 | | 46 | | | blank | 39KLAW26MPX |
| | G 3/4 | 41 | | 95 | 16 | | 46 | | | nickel plated | 39KLAW26MPN |
| | G 1 | 41 | | 98 | 19 | | 46 | | | blank | 39KLAW33MPX |
| | G 1 | 41 | | 98 | 19 | | 46 | | | nickel plated | 39KLAW33MPN |
| | G 1 1/4 | 41 | | 98 | 19 | | 46 | | | blank | 39KLAW42MPX |
| | G 1 1/4 | 41 | | 98 | 19 | | 46 | | | nickel plated | 39KLAW42MPN |
|  Female Thread | G 3/4 | 41 | | 99 | 20 | | 46 | | | blank | 39KLIW26MPX |
| | G 3/4 | 41 | | 99 | 20 | | 46 | | | nickel plated | 39KLIW26MPN |
| | G 1 | 41 | | 100 | 20 | | 46 | | | blank | 39KLIW33MPX |
| | G 1 | 41 | | 100 | 20 | | 46 | | | nickel plated | 39KLIW33MPN |
| | G 1 1/4 | 50 | | 105 | 22 | | 46 | | | blank | 39KLIW42MPX |
| | G 1 1/4 | 50 | | 105 | 22 | | 46 | | | nickel plated | 39KLIW42MPN |
|  Hose Barb | 19 mm | 41 | | 115 | 36 | | 46 | | | blank | 39KLTF19MPX |
| | 19 mm | 41 | | 115 | 36 | | 46 | | | nickel plated | 39KLTF19MPN |
| | 25 mm | 41 | | 125 | 48 | | 46 | | | blank | 39KLTF25MPX |
| | 25 mm | 41 | | 125 | 48 | | 46 | | | nickel plated | 39KLTF25MPN |

## Plugs – flat-sealing — Series 39KL

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 3/4 | 41 | | 92 | 16 | | | | | blank | 39SLAW26MPX |
| | G 3/4 | 41 | | 92 | 16 | | | | | nickel plated | 39SLAW26MPN |
| | G 1 | 41 | | 95 | 19 | | | | | blank | 39SLAW33MPX |
| | G 1 | 41 | | 95 | 19 | | | | | nickel plated | 39SLAW33MPN |
| | G 1 1/4 | 41 | | 95 | 19 | | | | | blank | 39SLAW42MPX |
| | G 1 1/4 | 41 | | 95 | 19 | | | | | nickel plated | 39SLAW42MPN |
|  Female Thread | G 3/4 | 41 | | 96 | 16 | | | | | blank | 39SLIW26MPX |
| | G 3/4 | 41 | | 96 | 16 | | | | | nickel plated | 39SLIW26MPN |
| | G 1 | 41 | | 97 | 24 | | | | | blank | 39SLIW33MPX |
| | G 1 | 41 | | 97 | 24 | | | | | nickel plated | 39SLIW33MPN |
| | G 1 1/4 | 50 | | 102 | 26 | | | | | blank | 39SLIW42MPX |
| | G 1 1/4 | 50 | | 102 | 26 | | | | | nickel plated | 39SLIW42MPN |
|  Hose Barb | 19 mm | 41 | | 114 | 36 | | | | | blank | 39SLTF19MPX |
| | 19 mm | 41 | | 114 | 36 | | | | | nickel plated | 39SLTF19MPN |
| | 25 mm | 41 | | 124 | 48 | | | | | blank | 39SLTF25MPX |
| | 25 mm | 41 | | 124 | 48 | | | | | nickel plated | 39SLTF25MPN |

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

**Nominal Diameter**

# 4,3 - 20

**Rectus Series**

# 70

**Technical Description**
Coupling series in sizes 1/8" to 1" with plug profile compliant with ISO 7241-1 series B. Particularly suited to use with liquid media.
Coupling system with two-hand operation, i.e. both hands are required when coupling/uncoupling. The coupling series stands out for its high flow rates against a low pressure drop.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Other designs in series 70**
The following other designs can be found from page:

➤ Stainless Steel P. 224
➤ Thermoplastic P. 246

## KB Double Shut-Off

### Working Pressure**

see chart
** maximum static working pressure with design factor 4 to 1.

### Material

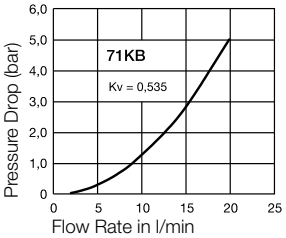
**Coupling:** Brass
**Plug:** Brass
**Seals:** NBR

### Interchangeability

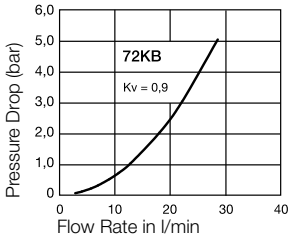
• ISO 7241-1 Series B

### Flow diagrams Water

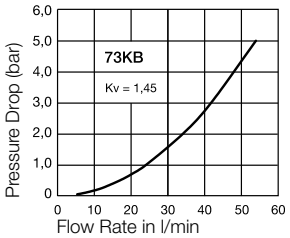
**71KB - 1/8"**



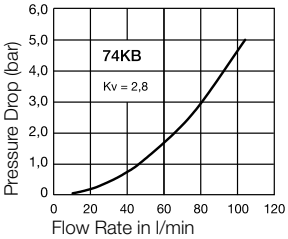

**72KB - 1/4"**



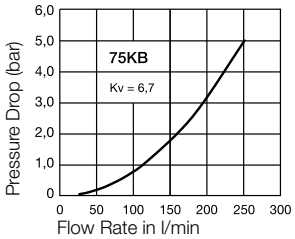

**73KB - 3/8"**



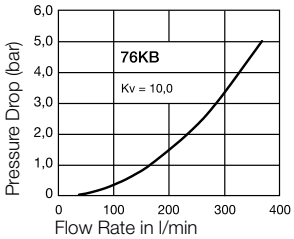

**74KB - 1/2"**



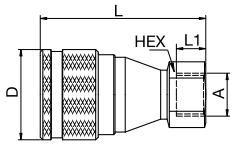

**75KB - 3/4"**




**76KB - 1"**



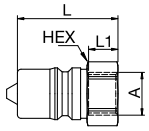
## Couplings – with valve — Series 70KB




Female Thread

| Size | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | D mm | Version | Working Pressure max. / bar | Part Number |
|---|---|---|---|---|---|---|---|---|---|
| 1/8" | G 1/8 | 14 | | 48,5 | 7 | 25 | blank | 250 | 71KBIW10MPX |
| 1/8" | G 1/8 | 14 | | 48,5 | 7 | 25 | nickel plated | 250 | 71KBIW10MPN |
| 1/4" | G 1/4 | 19 | | 57,5 | 10 | 25 | blank | 200 | 72KBIW13MPX |
| 1/4" | G 1/4 | 19 | | 57,5 | 10 | 25 | nickel plated | 200 | 72KBIW13MPN |
| 3/8" | G 3/8 | 22 | | 64 | 11,5 | 35 | blank | 200 | 73KBIW17MPX |
| 3/8" | G 3/8 | 22 | | 64 | 11,5 | 35 | nickel plated | 200 | 73KBIW17MPN |
| 1/2" | G 1/2 | 27 | | 76 | 16 | 44,5 | blank | 150 | 74KBIW21MPX |
| 1/2" | G 1/2 | 27 | | 76 | 16 | 44,5 | nickel plated | 150 | 74KBIW21MPN |
| 3/4" | G 3/4 | 34 | | 96 | 24 | 55 | blank | 100 | 75KBIW26MPX |
| 3/4" | G 3/4 | 34 | | 96 | 24 | 55 | nickel plated | 100 | 75KBIW26MPN |
| 1" | G 1 | 41 | | 105,5 | 24 | 62 | blank | 100 | 76KBIW33MPX |
| 1" | G 1 | 41 | | 105,5 | 24 | 62 | nickel plated | 100 | 76KBIW33MPN |

## Plugs – with valve — Series 70KB




Female Thread

| Size | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | D mm | Version | Working Pressure max. / bar | Part Number |
|---|---|---|---|---|---|---|---|---|---|
| 1/8" | G 1/8 | 14 | | 29,5 | 7 | | blank | 250 | 71SBIW10MPX |
| 1/8" | G 1/8 | 14 | | 29,5 | 7 | | nickel plated | 250 | 71SBIW10MPN |
| 1/4" | G 1/4 | 19 | | 35 | 10 | | blank | 200 | 72SBIW13MPX |
| 1/4" | G 1/4 | 19 | | 35 | 10 | | nickel plated | 200 | 72SBIW13MPN |
| 3/8" | G 3/8 | 22 | | 39 | 11,5 | | blank | 200 | 73SBIW17MPX |
| 3/8" | G 3/8 | 22 | | 39 | 11,5 | | nickel plated | 200 | 73SBIW17MPN |
| 1/2" | G 1/2 | 27 | | 48 | 16 | | blank | 150 | 74SBIW21MPX |
| 1/2" | G 1/2 | 27 | | 48 | 16 | | nickel plated | 150 | 74SBIW21MPN |
| 3/4" | G 3/4 | 36 | | 60 | 24 | | blank | 100 | 75SBIW26MPX |
| 3/4" | G 3/4 | 36 | | 60 | 24 | | nickel plated | 100 | 75SBIW26MPN |
| 1" | G 1 | 41 | | 65 | 24 | | blank | 100 | 76SBIW33MPX |
| 1" | G 1 | 41 | | 65 | 24 | | nickel plated | 100 | 76SBIW33MPN |

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

**Nominal Diameter**

**22** = 380 mm²

**Tema Series**

**2100**

energy saver

**Technical Description**
Series 2100 is used mainly in the area of compressed air. The system is particularly suited to large pneumatic plants and compressed air tools with a very high flow. This series has a special safety function, which requires a turn and push/pull movement during connection and disconnection. It also has an automatic pressure release function, which facilitates easy handling. A coupling system with very high flow rates, robust design, high corrosion resistance and a safety function.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. 10026
for Plug Part.-No. 5026-QC

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

## KA Single Shut-Off

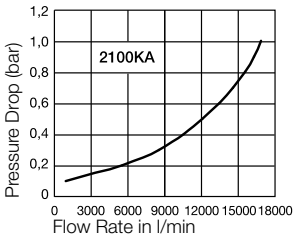
### Working Pressure**
20 bar
** maximum static working pressure with design factor 4 to 1.

### Material
**Coupling:** Brass / Steel hardened, zinc plated and passivated
**Plug:** Steel hardened, zinc plated and passivated
**Seals:** NBR

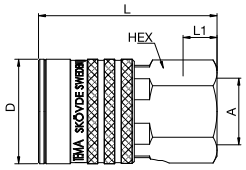
### Interchangeability
- Tema Design

### Flow diagrams

**Air**



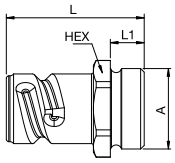
## Couplings – with valve — Series 2100KA



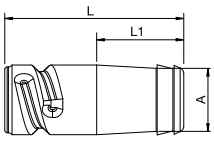
Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1 | 41 | | 82 | 14 | | 48 | | | | 2100KAIW33MPX |

## Plugs – without valve — Series 2100KA



Male Thread



Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1 | 36 | | 57 | 14 | | | | | | 2100SFAW33SXZ |
| 19 mm | | | 74 | 36 | | | | | | 2100SFTF19SXZ |
| 25 mm | | | 40 | 36 | | | | | | 2100SFTF25SXZ |
| 32 mm | | | 42 | 43 | | | | | | 2100SFTF32SXZ |

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

# Cross-Reference-List

| Connection | Thread | Rectus Part Number old | Tema Part Number old | Part Number new | Page |
|---|---|---|---|---|---|
| **Couplings – with valve** | | | | | |
| Female Thread | G 1 | | 2100 | **2100KAIW33MPX** | 177 |
| | | | | | |
| | | | | | |
| **Plugs – without valve** | | | | | |
| Male Thread | G 1 | | 21210 | **2100SFAW33SXZ** | 177 |
| | | | | | 177 |
| | | | | | |
| Hose Barb | 19 mm | | 21019-QC | **2100SFTF19SXZ** | 177 |
| | 25 mm | | 21025 | **2100SFTF25SXZ** | 177 |
| | 32 mm | | 21032-QC | **2100SFTF32SXZ** | 177 |

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

**Nominal Diameter**

# 2,7 = 5 mm²

**Rectus Series**

# 20

**Technical Description**
Mini industrial coupling with internationally used profile. Frequent use in medical technology and chemistry/pharmacy.
Coupling system with single-hand operation. High flow despite small dimensions plus many applications with a variety of media.

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

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

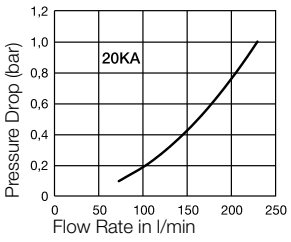
**Other designs in series 20**
The following other designs can be found from page:

➤ Brass / Steel P. 20
➤ Medical Technology (NP) P. 250

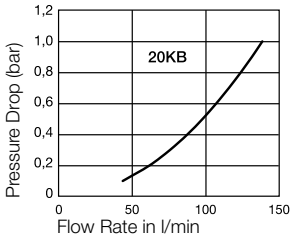
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar |
| **Features** | |
| | • Low pressure drop |
| **Material** | |
| **Coupling:** AISI 303 / AISI 316 L<br>**Plug:** AISI 303 / AISI 316 L<br>**Seals:** FKM | **Coupling:** AISI 303 / AISI 316 L<br>**Plug:** AISI 303 / AISI 316 L<br>**Seals:** FKM |
| **Interchangeability** | |
| • Walther 06-003 | |

**Flow diagrams**

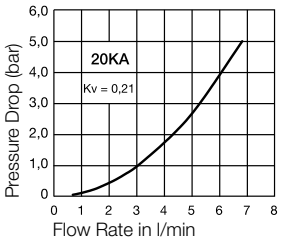
**Air**



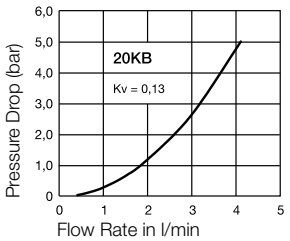

**Air**




**Water**

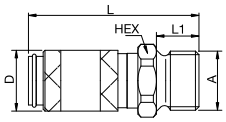
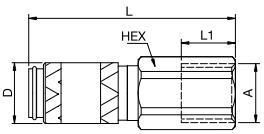
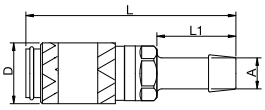
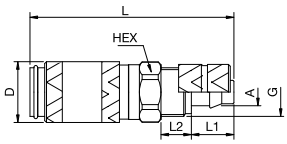
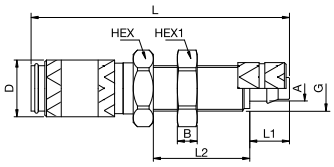



**Water**



# Couplings – with valve

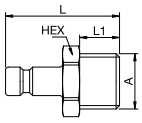
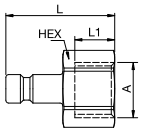
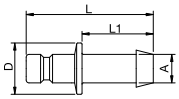
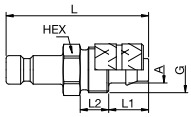
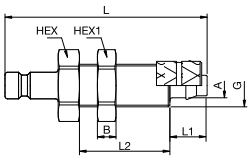
## Series 20KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | M 5 | 9 | | 26 | 5 | | 10 | | | AISI 303 | 20KAAM05RVX |
| | M 5 | 9 | | 26 | 5 | | 10 | | | AISI 316 L | 20KAAM05EVX |
| | G 1/8 | 11 | | 28 | 7 | | 10 | | | AISI 303 | 20KAAW10RVX |
| | G 1/8 | 11 | | 28 | 7 | | 10 | | | AISI 316 L | 20KAAW10EVX |
|  Female Thread | M 5 | 9 | | 25 | 5 | | 10 | | | AISI 303 | 20KAIM05RVX |
| | M 5 | 9 | | 25 | 5 | | 10 | | | AISI 316 L | 20KAIM05EVX |
| | G 1/8 | 12 | | 28 | 7 | | 10 | | | AISI 303 | 20KAIW10RVX |
| | G 1/8 | 12 | | 28 | 7 | | 10 | | | AISI 316 L | 20KAIW10EVX |
|  Hose Barb | 3 mm | | | 35 | 13 | | 10 | | | AISI 303 | 20KATF03RVX |
| | 4 mm | | | 35 | 13 | | 10 | | | AISI 303 | 20KATF04RVX |
| | 4 mm | | | 35 | 13 | | 10 | | | AISI 316 L | 20KATF04EVX |
| | 5 mm | | | 35 | 13 | | 10 | | | AISI 303 | 20KATF05RVX |
|  with Plastic Hose Connection | 3 x 4 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | AISI 303 | 20KAKO04RVX |
| | 3 x 4 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | AISI 316 L | 20KAKO04EVX |
| | 3 x 5 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | AISI 303 | 20KAKO05RVX |
| | 3 x 5 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | AISI 316 L | 20KAKO05EVX |
| | 4 x 6 mm | 9 | | 34 | 7 | 5 | 10 | | M 8 x 0,5 | AISI 303 | 20KAKO06RVX |
| | 4 x 6 mm | 9 | | 34 | 7 | 5 | 10 | | M 8 x 0,5 | AISI 316 L | 20KAKO06EVX |
|  Panel Mount with Plastic Hose Connection | 3 x 4 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 7 x 0,5 | AISI 303 | 20KAKS04RVX |
| | 3 x 5 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 7 x 0,5 | AISI 303 | 20KAKS05RVX |
| | 4 x 6 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 8 x 0,5 | AISI 303 | 20KAKS06RVX |

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

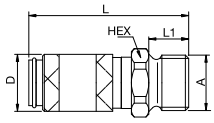
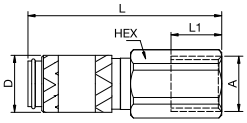
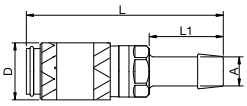
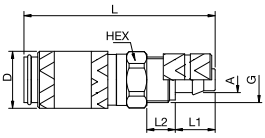
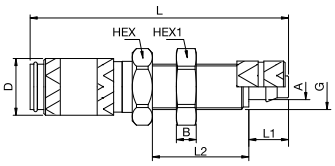
# Plugs – without valve

## Series 20KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | M 5 | 7 | | 18 | 5 | | | | | AISI 303 | 20SFAM05RXX |
| | M 5 | 7 | | 18 | 5 | | | | | AISI 316 L | 20SFAM05EXX |
| | G 1/8 | 11 | | 20 | 7 | | | | | AISI 303 | 20SFAW10RXX |
| | G 1/8 | 11 | | 20 | 7 | | | | | AISI 316 L | 20SFAW10EXX |
|  Female Thread | M 5 | 7 | | 17 | 5 | | | | | AISI 303 | 20SFIM05RXX |
| | M 5 | 7 | | 17 | 5 | | | | | AISI 316 L | 20SFIM05EXX |
| | G 1/8 | 12 | | 19 | 7 | | | | | AISI 303 | 20SFIW10RXX |
| | G 1/8 | 12 | | 19 | 7 | | | | | AISI 316 L | 20SFIW10EXX |
|  Hose Barb | 3 mm | | | 24 | 13 | | 7 | | | AISI 303 | 20SFTF03RXX |
| | 3 mm | | | 24 | 13 | | 7 | | | AISI 316 L | 20SFTF03EXX |
| | 4 mm | | | 24 | 13 | | 7 | | | AISI 303 | 20SFTF04RXX |
| | 4 mm | | | 24 | 13 | | 7 | | | AISI 316 L | 20SFTF04EXX |
| | 5 mm | | | 22 | 13 | | 9 | | | AISI 303 | 20SFTF05RXX |
| | 5 mm | | | 22 | 13 | | 9 | | | AISI 316 L | 20SFTF05EXX |
|  with Plastic Hose Connection | 3 x 4 mm | 8 | | 25 | 7 | 5 | | | M 7 x 0,5 | AISI 303 | 20SFKO04RXX |
| | 3 x 4 mm | 8 | | 25 | 7 | 5 | | | M 7 x 0,5 | AISI 316 L | 20SFKO04EXX |
| | 3 x 5 mm | 8 | | 25 | 7 | 5 | | | M 7 x 0,5 | AISI 303 | 20SFKO05RXX |
| | 3 x 5 mm | 8 | | 25 | 7 | 5 | | | M 7 x 0,5 | AISI 316 L | 20SFKO05EXX |
| | 4 x 6 mm | 8 | | 25 | 7 | 5 | | | M 8 x 0,5 | AISI 303 | 20SFKO06RXX |
| | 4 x 6 mm | 8 | | 25 | 7 | 5 | | | M 8 x 0,5 | AISI 316 L | 20SFKO06EXX |
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 12 | 12 | 38 | 7 | 17 | | 3 | M 8 x 0,5 | AISI 303 | 20SFKS06RXX |

# Couplings – with valve

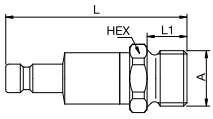
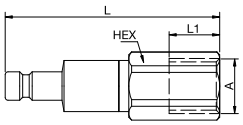
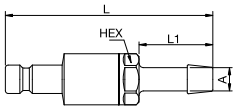
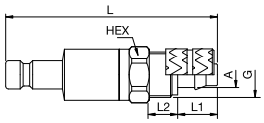
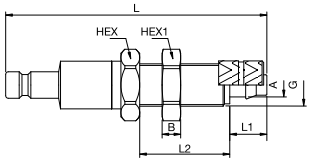
## Series 20KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | M 5 | 9 | | 26 | 5 | | 10 | | | AISI 303 | 20KBAM05RVX |
| | M 5 | 9 | | 26 | 5 | | 10 | | | AISI 316 L | 20KBAM05EVX |
| | G 1/8 | 11 | | 28 | 7 | | 10 | | | AISI 303 | 20KBAW10RVX |
| | G 1/8 | 11 | | 28 | 7 | | 10 | | | AISI 316 L | 20KBAW10EVX |
|  Female Thread | M 5 | 9 | | 25 | 5 | | 10 | | | AISI 303 | 20KBIM05RVX |
| | M 5 | 9 | | 25 | 5 | | 10 | | | AISI 316 L | 20KBIM05EVX |
| | G 1/8 | 12 | | 28 | 7 | | 10 | | | AISI 303 | 20KBIW10RVX |
| | G 1/8 | 12 | | 28 | 7 | | 10 | | | AISI 316 L | 20KBIW10EVX |
|  Hose Barb | 3 mm | | | 35 | 13 | | 10 | | | AISI 303 | 20KBTF03RVX |
| | 4 mm | | | 35 | 13 | | 10 | | | AISI 303 | 20KBTF04RVX |
| | 4 mm | | | 35 | 13 | | 10 | | | AISI 316 L | 20KBTF04EVX |
| | 5 mm | | | 35 | 13 | | 10 | | | AISI 303 | 20KBTF05RVX |
|  with Plastic Hose Connection | 3 x 4 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | AISI 303 | 20KBKO04RVX |
| | 3 x 4 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | AISI 316 L | 20KBKO04EVX |
| | 3 x 5 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | AISI 303 | 20KBKO05RVX |
| | 3 x 5 mm | 9 | | 34 | 7 | 5 | 10 | | M 7 x 0,5 | AISI 316 L | 20KBKO05EVX |
| | 4 x 6 mm | 9 | | 34 | 7 | 5 | 10 | | M 8 x 0,5 | AISI 303 | 20KBKO06RVX |
| | 4 x 6 mm | 9 | | 34 | 7 | 5 | 10 | | M 8 x 0,5 | AISI 316 L | 20KBKO06EVX |
|  Panel Mount with Plastic Hose Connection | 3 x 4 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 7 x 0,5 | AISI 303 | 20KBKS04RVX |
| | 3 x 5 mm | 12 | 11 | 45 | 7 | 17 | 10 | 3 | M 7 x 0,5 | AISI 303 | 20KBKS05RVX |
| | 4 x 6 mm | 12 | 12 | 45 | 7 | 17 | 10 | 3,5 | M 8 x 0,5 | AISI 303 | 20KBKS06RVX |

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

# Plugs – with valve

## Series 20KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | M 5 | 9 | | 28 | 5 | | | | | AISI 303 | 20SBAM05RVX |
| | M 5 | 9 | | 28 | 5 | | | | | AISI 316 L | 20SBAM05EVX |
| | G 1/8 | 11 | | 30 | 7 | | | | | AISI 303 | 20SBAW10RVX |
| | G 1/8 | 11 | | 30 | 7 | | | | | AISI 316 L | 20SBAW10EVX |
|  Female Thread | M 5 | 9 | | 27 | 5 | | | | | AISI 303 | 20SBIM05RVX |
| | M 5 | 9 | | 27 | 5 | | | | | AISI 316 L | 20SBIM05EVX |
| | G 1/8 | 12 | | 30 | 7 | | | | | AISI 303 | 20SBIW10RVX |
| | G 1/8 | 12 | | 30 | 7 | | | | | AISI 316 L | 20SBIW10EVX |
|  Hose Barb | 3 mm | 8 | | 37 | 13 | | | | | AISI 303 | 20SBTF03RVX |
| | 4 mm | 8 | | 37 | 13 | | | | | AISI 303 | 20SBTF04RVX |
| | 4 mm | 8 | | 37 | 13 | | | | | AISI 316 L | 20SBTF04EVX |
| | 5 mm | 8 | | 37 | 13 | | | | | AISI 303 | 20SBTF05RVX |
|  with Plastic Hose Connection | 3 x 4 mm | 9 | | 36 | 7 | 5 | | | M 7 x 0,5 | AISI 303 | 20SBKO04RVX |
| | 3 x 4 mm | 9 | | 36 | 7 | 5 | | | M 7 x 0,5 | AISI 316 L | 20SBKO04EVX |
| | 3 x 5 mm | 9 | | 36 | 7 | 5 | | | M 7 x 0,5 | AISI 303 | 20SBKO05RVX |
| | 3 x 5 mm | 9 | | 36 | 7 | 5 | | | M 7 x 0,5 | AISI 316 L | 20SBKO05EVX |
| | 4 x 6 mm | 9 | | 36 | 7 | 5 | | | M 8 x 0,5 | AISI 303 | 20SBKO06RVX |
| | 4 x 6 mm | 9 | | 36 | 7 | 5 | | | M 8 x 0,5 | AISI 316 L | 20SBKO06EVX |
|  Panel Mount with Plastic Hose Connection | 3 x 4 mm | 12 | 11 | 47 | 7 | 17 | | 3 | M 7 x 0,5 | AISI 303 | 20SBKS04RVX |
| | 3 x 5 mm | 12 | 11 | 47 | 7 | 17 | | 3 | M 7 x 0,5 | AISI 303 | 20SBKS05RVX |
| | 4 x 6 mm | 12 | 12 | 47 | 7 | 17 | | 3,5 | M 8 x 0,5 | AISI 303 | 20SBKS06RVX |

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

## Nominal Diameter

**3** = 7 mm²

## Rectus Series

# 303

**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.

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

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

**KB** Double Shut-Off

### Working Pressure**

35 bar
** maximum static working pressure with design factor 4 to 1.

### Material

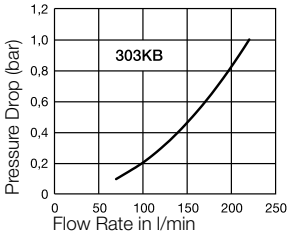
**Coupling:** AISI 316L
**Plug:** AISI 316L
**Seals:** FKM

### Interchangeability

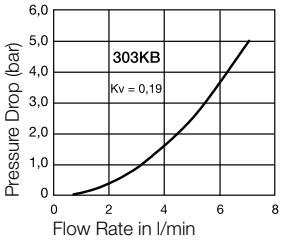
- ISO 6150 C

### Flow diagrams

**Air**

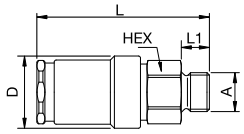
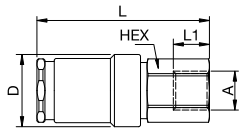
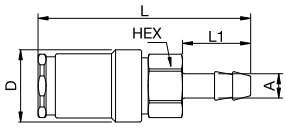
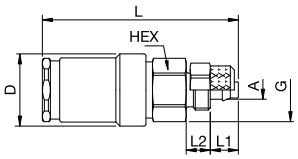



**Water**



# Couplings – with valve

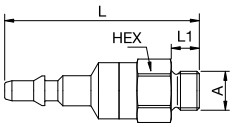
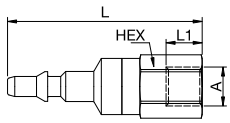
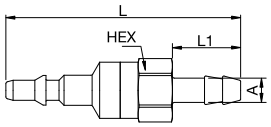
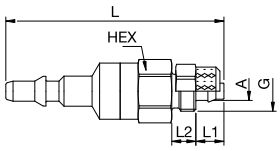
## Series 303KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 43 | 7 | | 18 | | | | 303KBAW10EVX |
| | G 1/4 | 17 | | 45 | 9 | | 18 | | | | 303KBAW13EVX |
|  Female Thread | G 1/8 | 14 | | 43 | 9 | | 18 | | | | 303KBIW10EVX |
| | G 1/4 | 17 | | 45 | 9 | | 18 | | | | 303KBIW13EVX |
|  Hose Barb | 4 mm | 14 | | 53 | 17 | | 18 | | | | 303KBTF04EVX |
| | 6 mm | 14 | | 53 | 17 | | 18 | | | | 303KBTF06EVX |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | 12 | 49 | 7 | 6 | 18 | | M 10 x 1 | | 303KBKO06EVX |
| | 6 x 8 mm | 14 | 14 | 49 | 7 | 6 | 18 | | M 12 x 1 | | 303KBKO08EVX |

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

# Plugs – with valve

## Series 303KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 48,5 | 7 | | | | | | 303SBAW10EVX |
| | G 1/4 | 17 | | 50,5 | 9 | | | | | | 303SBAW13EVX |
|  Female Thread | G 1/8 | 14 | | 48,5 | 9 | | | | | | 303SBIW10EVX |
| | G 1/4 | 17 | | 50,5 | 9 | | | | | | 303SBIW13EVX |
|  Hose Barb | 4 mm | 14 | | 58,5 | 17 | | | | | | 303SBTF04EVX |
| | 6 mm | 14 | | 58,5 | 17 | | | | | | 303SBTF06EVX |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | 12 | 54,5 | 7 | 6 | | | M 10 x 1 | | 303SBKO06EVX |
| | 6 x 8 mm | 14 | 14 | 54,5 | 7 | 6 | | | M 12 x 1 | | 303SBKO08EVX |

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

**Nominal Diameter**

**4** = 12,5 mm²

**Rectus Series**

# 204

**Technical Description**
Leak-free coupling system for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive media.
Coupling system with single-hand operation, extremely low leakage rates and minimal dead space volume. Absolutely no air pockets when coupling and only a barely noticeable film of the medium being channelled on the valve bodies when uncoupling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design.

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

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

**Other designs in series 204**
The following other designs can be found from page:

➤ Brass / Steel P. 26

KL Leak-Free

## Working Pressure**

15 bar
** maximum static working pressure with design factor 4 to 1.

## Material

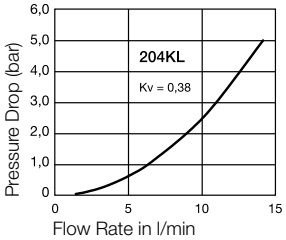
**Coupling:** AISI 316 L
**Plug:** AISI 316 L
**Seals:** FKM

## Interchangeability

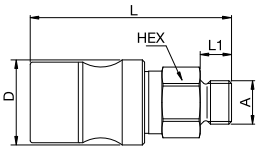
- Rectus Design

## Flow diagrams

**Water**

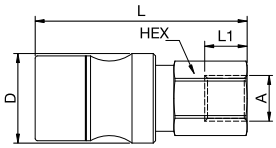


## Couplings – flat-sealing — Series 204KL



Male Thread

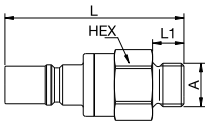
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 45 | 7 | | 19 | | | | 204KLAW10EVX |
| G 1/4 | 17 | | 47 | 9 | | 19 | | | | 204KLAW13EVX |



Female Thread

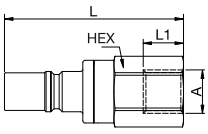
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 45 | 9 | | 19 | | | | 204KLIW10EVX |
| G 1/4 | 17 | | 47 | 9 | | 19 | | | | 204KLIW13EVX |

## Plugs – flat-sealing — Series 204KL



Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 40 | 7 | | | | | | 204SLAW10EVX |
| G 1/4 | 17 | | 42 | 9 | | | | | | 204SLAW13EVX |



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 40 | 9 | | | | | | 204SLIW10EVX |
| G 1/4 | 17 | | 42 | 9 | | | | | | 204SLIW13EVX |

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

**Nominal Diameter**

**5** = 20 mm²

**Rectus Series**

**21**

**Technical Description**
Mini industrial coupling with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media. Coupling system with single-hand operation. Small dimensions and large band width in materials and valve variants.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK16S

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

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

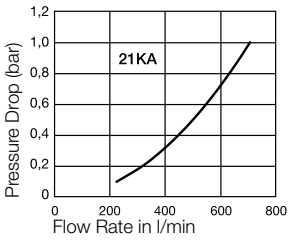
**Other designs in series 21**
The following other designs can be found from page:


➤ Brass / Steel P. 30
➤ Thermoplastic P. 232
➤ Medical Technology (MD) P. 256
➤ Safety P. 270
➤ Coded Systems P. 298

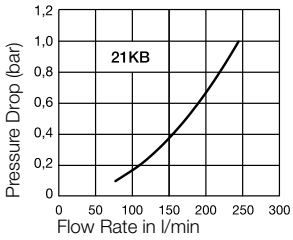

| KA Single Shut-Off | KB Double Shut-Off | KL Leak-Free |
|---|---|---|
| **Working Pressure**** | | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar | 8 bar |
| **Features** | | |
| • All variants interchangeable | | • Minimal, almost imperceptible leakage when uncoupling<br>• No air locked into the system during the coupling process |
| **Material** | | |
| **Coupling:** AISI 303 / AISI 316 L<br>**Plug:** AISI 303 / AISI 316 L<br>**Seals:** FKM | **Coupling:** AISI 303 / AISI 316 L<br>**Plug:** AISI 303 / AISI 316 L<br>**Seals:** FKM | **Coupling:** AISI 303 / AISI 316 L<br>**Plug:** AISI 303 / AISI 316 L<br>**Seals:** FKM |
| **Interchangeability** | | |
| • Camozzi<br>• EWO<br>• Kani | | |

**Flow diagrams**

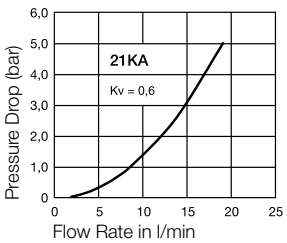
**Air**



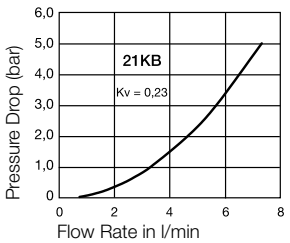

**Air**



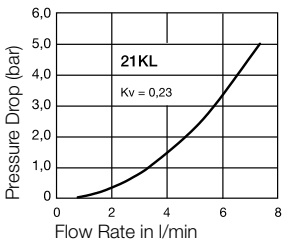

**Water**




**Water**

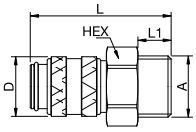
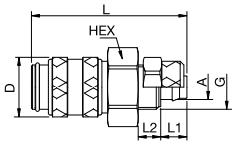



**Water**



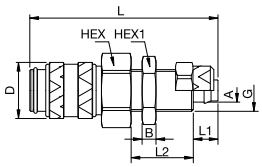
# Couplings – with valve

## Series 21KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 36 | 7 | | 16 | | | AISI 303 | 21KAAW10RVX |
| | G 1/8 | 14 | | 36 | 7 | | 16 | | | AISI 316 L | 21KAAW10EVX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | AISI 303 | 21KAAW13RVX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | AISI 316 L | 21KAAW13EVX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | AISI 303 | 21KAAW17RVX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | AISI 316 L | 21KAAW17EVX |
| | M 12 x 1,5 | 14 | | 38 | 9 | | 16 | | | AISI 303 | 21KAAM12RVX |
| | M 14 x 1,5 | 17 | | 39 | 10 | | 16 | | | AISI 303 | 21KAAM14RVX |
| | | | | | | | | | | | |
| | G 1/8 | 14 | | 36 | 9 | | 16 | | | AISI 303 | 21KAIW10RVX |
| | G 1/8 | 14 | | 36 | 9 | | 16 | | | AISI 316 L | 21KAIW10EVX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | AISI 303 | 21KAIW13RVX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | AISI 316 L | 21KAIW13EVX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | AISI 303 | 21KAIW17RVX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | AISI 316 L | 21KAIW17EVX |
| | M 12 x 1,5 | 17 | | 38 | 9 | | 16 | | | AISI 303 | 21KAIM12RVX |
| | M 14 x 1,5 | 17 | | 38 | 9 | | 16 | | | AISI 316 L | 21KAIM14RVX |
| | | | | | | | | | | | |
| | 4 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KATF04RVX |
| | 4 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KATF04EVX |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KATF06RVX |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KATF06EVX |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KATF08RVX |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KATF08EVX |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KATF09RVX |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KATF09EVX |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KATF10RVX |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KATF10EVX |
| | 6 mm Parker | 14 | | 50 | 20 | | 16 | | | AISI 303 | 21KATP06RVX |
| | | | | | | | | | | | |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | AISI 303 | 21KAKO06RVX |
| | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | AISI 316 L | 21KAKO06EVX |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | AISI 303 | 21KAKO08RVX |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | AISI 316 L | 21KAKO08EVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

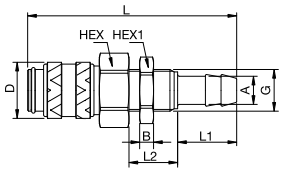
⚠ Please consider our security advices on the pages 12/13 ⚠

## Couplings – with valve — Series 21KA




Panel Mount
with Plastic Hose Connection

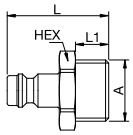
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 x 6 mm | 14 | 12 | 54 | 7 | 18 | 16 | 3 | M 10 x 1 | AISI 303 | 21KAKS06RVX |
| 4 x 6 mm | 14 | 12 | 54 | 7 | 18 | 16 | 3 | M 10 x 1 | AISI 316 L | 21KAKS06EVX |
| 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | 16 | 4 | M 12 x 1 | AISI 303 | 21KAKS08RVX |




Panel Mount with Hose Barb

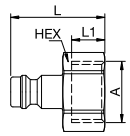
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | AISI 303 | 21KATS06RVX |
| 8 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | AISI 303 | 21KATS08RVX |

## Plugs – without valve — Series 21KA




Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 25 | 7 | | | | | AISI 303 | 21SFAW10RXX |
| G 1/8 | 14 | | 25 | 7 | | | | | AISI 316 L | 21SFAW10EXX |
| G 1/4 | 17 | | 28 | 9 | | | | | AISI 303 | 21SFAW13RXX |
| G 1/4 | 17 | | 28 | 9 | | | | | AISI 316 L | 21SFAW13EXX |
| G 3/8 | 19 | | 28 | 9 | | | | | AISI 303 | 21SFAW17RXX |
| G 3/8 | 19 | | 28 | 9 | | | | | AISI 316 L | 21SFAW17EXX |
| M 10 x 1 | 14 | | 25 | 7 | | | | | AISI 303 | 21SFAM10RXX |
| M 12 x 1,5 | 17 | | 28 | 10 | | | | | AISI 303 | 21SFAM12RXX |
| M 14 x 1,5 | 17 | | 28 | 10 | | | | | AISI 303 | 21SFAD14RXX |

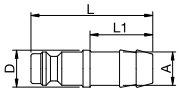
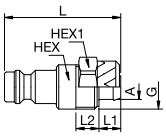
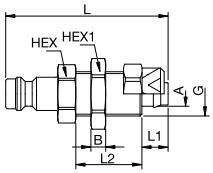



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 25 | 8 | | | | | AISI 303 | 21SFIW10RXX |
| G 1/8 | 14 | | 25 | 8 | | | | | AISI 316 L | 21SFIW10EXX |
| G 1/4 | 17 | | 25 | 9 | | | | | AISI 303 | 21SFIW13RXX |
| G 1/4 | 17 | | 25 | 9 | | | | | AISI 316 L | 21SFIW13EXX |
| G 3/8 | 19 | | 26 | 9 | | | | | AISI 303 | 21SFIW17RXX |
| G 3/8 | 19 | | 26 | 9 | | | | | AISI 316 L | 21SFIW17EXX |
| M 10 x 1 | 14 | | 26 | 9 | | | | | AISI 303 | 21SFIM10RXX |
| M 14 x 1,5 | 17 | | 27 | 10 | | | | | AISI 303 | 21SFIM14RXX |

# Plugs – without valve

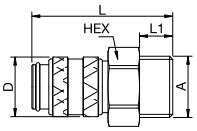
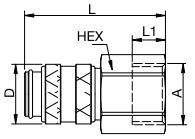
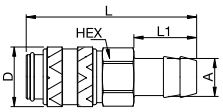
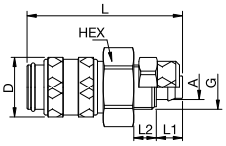
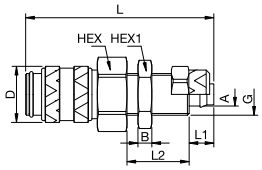
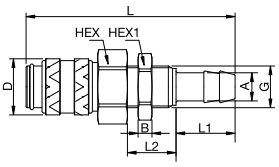
## Series 21KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Hose Barb | 4 mm | | | 32 | 17 | | 9 | | | AISI 303 | 21SFTF04RXX |
| | 5 mm | | | 32 | 17 | | 9 | | | AISI 303 | 21SFTF05RXX |
| | 6 mm | | | 32 | 17 | | 9 | | | AISI 303 | 21SFTF06RXX |
| | 6 mm | | | 32 | 17 | | 9 | | | AISI 316 L | 21SFTF06EXX |
| | 8 mm | | | 32 | 17 | | 9 | | | AISI 303 | 21SFTF08RXX |
| | 8 mm | | | 32 | 17 | | 9 | | | AISI 316 L | 21SFTF08EXX |
| | 9 mm | | | 33 | 17 | | 10 | | | AISI 303 | 21SFTF09RXX |
| | 9 mm | | | 33 | 17 | | 10 | | | AISI 316 L | 21SFTF09EXX |
| | 10 mm | | | 33 | 17 | | 12 | | | AISI 303 | 21SFTF10RXX |
| | 10 mm | | | 33 | 17 | | 12 | | | AISI 316 L | 21SFTF10EXX |
| | 6 mm Parker | | | 36 | 20 | | 12 | | | AISI 303 | 21SFTP06RXX |
| | | | | | | | | | | | |
|  with Plastic Hose Connection | 4 x 6 mm | 12 | 12 | 32 | 7 | 6 | | | M 10 x 1 | AISI 303 | 21SFKO06RXX |
| | 4 x 6 mm | 12 | 12 | 32 | 7 | 6 | | | M 10 x 1 | AISI 316 L | 21SFKO06EXX |
| | 6 x 8 mm | 14 | 14 | 32 | 7 | 6 | | | M 12 x 1 | AISI 303 | 21SFKO08RXX |
| | 6 x 8 mm | 14 | 14 | 32 | 7 | 6 | | | M 12 x 1 | AISI 316 L | 21SFKO08EXX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 14 | 12 | 43 | 7 | 18 | | 3 | M 10 x 1 | AISI 303 | 21SFKS06RXX |
| | 4 x 6 mm | 14 | 12 | 43 | 7 | 18 | | 3 | M 10 x 1 | AISI 316 L | 21SFKS06EXX |
| | 6 x 8 mm | 14 | 17 | 44 | 7 | 18 | | 4 | M 12 x 1 | AISI 303 | 21SFKS08RXX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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

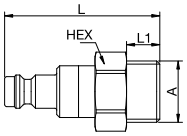
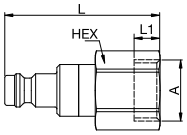
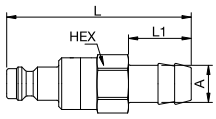
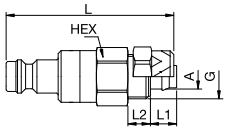
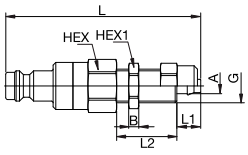
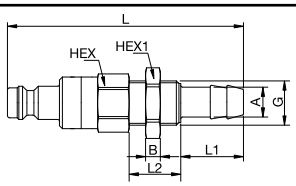
# Couplings – with valve

## Series 21KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 36 | 7 | | 16 | | | AISI 303 | 21KBAW10RVX |
| | G 1/8 | 14 | | 36 | 7 | | 16 | | | AISI 316 L | 21KBAW10EVX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | AISI 303 | 21KBAW13RVX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | AISI 316 L | 21KBAW13EVX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | AISI 303 | 21KBAW17RVX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | AISI 316 L | 21KBAW17EVX |
|  Female Thread | G 1/8 | 14 | | 36 | 9 | | 16 | | | AISI 303 | 21KBIW10RVX |
| | G 1/8 | 14 | | 36 | 9 | | 16 | | | AISI 316 L | 21KBIW10EVX |
| | G 1/4 | 17 | | 38 | 7 | | 16 | | | AISI 303 | 21KBIW13RVX |
| | G 1/4 | 17 | | 38 | 7 | | 16 | | | AISI 316 L | 21KBIW13EVX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | AISI 303 | 21KBIW17RVX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | AISI 316 L | 21KBIW17EVX |
|  Hose Barb | 4 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KBTF04RVX |
| | 4 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KBTF04EVX |
| | 5 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KBTF05RVX |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KBTF06RVX |
| | 6 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KBTF06EVX |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KBTF08RVX |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KBTF08EVX |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KBTF09RVX |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KBTF09EVX |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KBTF10RVX |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KBTF10EVX |
| | 6 mm Parker | 14 | | 50 | 20 | | 16 | | | AISI 303 | 21KBTP06RVX |
| | | | | | | | | | | | |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | AISI 303 | 21KBKO06RVX |
| | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | AISI 316 L | 21KBKO06EVX |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | AISI 303 | 21KBKO08RVX |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | AISI 316 L | 21KBKO08EVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 14 | 14 | 54 | 7 | 18 | 16 | 4 | M 10 x 1 | AISI 303 | 21KBKS06RVX |
| | 4 x 6 mm | 14 | 14 | 54 | 7 | 18 | 16 | 4 | M 10 x 1 | AISI 316 L | 21KBKS06EVX |
| | 6 x 8 mm | 17 | 14 | 54 | 7 | 18 | 16 | 4 | M 12 x 1 | AISI 303 | 21KBKS08RVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Panel Mount with Hose Barb | 8 mm | 17 | 17 | 60 | 17 | 14 | 16 | 4 | M 12 x 1 | AISI 303 | 21KBTS08RVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

# Plugs – with valve

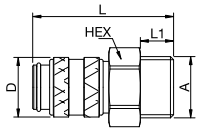
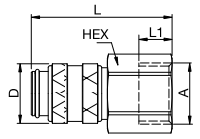
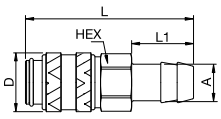
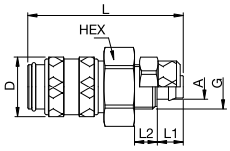
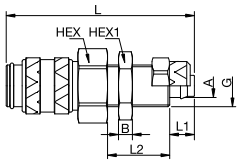
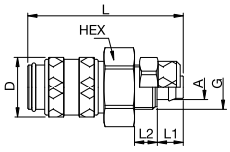
## Series 21KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 40 | 7 | | | | | AISI 303 | 21SBAW10RVX |
| | G 1/8 | 14 | | 40 | 7 | | | | | AISI 316 L | 21SBAW10EVX |
| | G 1/4 | 17 | | 42 | 9 | | | | | AISI 303 | 21SBAW13RVX |
| | G 1/4 | 17 | | 42 | 9 | | | | | AISI 316 L | 21SBAW13EVX |
| | G 3/8 | 19 | | 42 | 9 | | | | | AISI 303 | 21SBAW17RVX |
| | G 3/8 | 19 | | 42 | 9 | | | | | AISI 316 L | 21SBAW17EVX |
| | M 14 x 1,5 | 17 | | 43 | 10 | | | | | AISI 303 | 21SBAM14RVX |
|  Female Thread | G 1/8 | 14 | | 40 | 9 | | | | | AISI 303 | 21SBIW10RVX |
| | G 1/8 | 14 | | 40 | 9 | | | | | AISI 316 L | 21SBIW10EVX |
| | G 1/4 | 17 | | 42 | 7 | | | | | AISI 303 | 21SBIW13RVX |
| | G 1/4 | 17 | | 42 | 7 | | | | | AISI 316 L | 21SBIW13EVX |
| | G 3/8 | 19 | | 42 | 9 | | | | | AISI 303 | 21SBIW17RVX |
| | G 3/8 | 19 | | 42 | 9 | | | | | AISI 316 L | 21SBIW17EVX |
| | M 10 x 1 | 14 | | 40 | 9 | | | | | AISI 303 | 21SBIM10RVX |
| | M 12 x 1,5 | 17 | | 42 | 9 | | | | | AISI 303 | 21SBIM12RVX |
| | M 14 x 1,5 | 17 | | 42 | 9 | | | | | AISI 303 | 21SBIM14RVX |
|  Hose Barb | 6 mm | 14 | | 50 | 17 | | | | | AISI 303 | 21SBTF06RVX |
| | 6 mm | 14 | | 50 | 17 | | | | | AISI 316 L | 21SBTF06EVX |
| | 8 mm | 14 | | 50 | 17 | | | | | AISI 303 | 21SBTF08RVX |
| | 8 mm | 14 | | 50 | 17 | | | | | AISI 316 L | 21SBTF08EVX |
| | 9 mm | 14 | | 50 | 17 | | | | | AISI 303 | 21SBTF09RVX |
| | 9 mm | 14 | | 50 | 17 | | | | | AISI 316 L | 21SBTF09EVX |
| | 10 mm | 14 | | 50 | 17 | | | | | AISI 303 | 21SBTF10RVX |
| | 10 mm | 14 | | 50 | 17 | | | | | AISI 316 L | 21SBTF10EVX |
| | 6 mm Parker | 14 | | 54 | 20 | | | | | AISI 303 | 21SBTP06RVX |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | | 46 | 7 | 6 | | | M 10 x 1 | AISI 303 | 21SBKO06RVX |
| | 4 x 6 mm | 14 | | 46 | 7 | 6 | | | M 10 x 1 | AISI 316 L | 21SBKO06EVX |
| | 6 x 8 mm | 14 | | 46 | 7 | 6 | | | M 12 x 1 | AISI 303 | 21SBKO08RVX |
| | 6 x 8 mm | 14 | | 46 | 7 | 6 | | | M 12 x 1 | AISI 316 L | 21SBKO08EVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 14 | 12 | 58 | 7 | 18 | | 3 | M 10 x 1 | AISI 303 | 21SBKS06RVX |
| | 4 x 6 mm | 14 | 12 | 58 | 7 | 18 | | 3 | M 10 x 1 | AISI 316 L | 21SBKS06EVX |
| | 6 x 8 mm | 17 | 17 | 58 | 7 | 18 | | 4 | M 12 x 1 | AISI 303 | 21SBKS08RVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Panel Mount with Hose Barb | 6 mm | 17 | 17 | 64 | 17 | 14 | | 4 | M 12 x 1 | AISI 303 | 21SBTS06RVX |
| | 9 mm | 17 | 17 | 64 | 17 | 14 | | 4 | M 12 x 1 | AISI 303 | 21SBTS09RVX |
| | 10 mm | 17 | 17 | 61 | 17 | 11 | | 3,5 | G 1/4 | AISI 303 | 21SBTS10RVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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

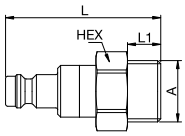
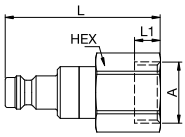
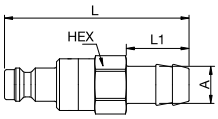
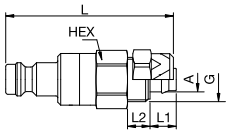
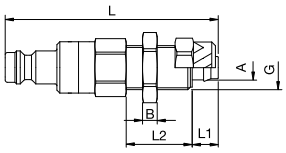
# Couplings – flat-sealing

## Series 21KL

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 36 | 7 | | 16 | | | AISI 303 | 21KLAW10RVX |
| | G 1/8 | 14 | | 36 | 7 | | 16 | | | AISI 316 L | 21KLAW10EVX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | AISI 303 | 21KLAW13RVX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | AISI 316 L | 21KLAW13EVX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | AISI 303 | 21KLAW17RVX |
| | G 3/8 | 19 | | 38 | 9 | | 16 | | | AISI 316 L | 21KLAW17EVX |
|  Female Thread | G 1/8 | 14 | | 36 | 9 | | 16 | | | AISI 303 | 21KLIW10RVX |
| | G 1/8 | 14 | | 36 | 9 | | 16 | | | AISI 316 L | 21KLIW10EVX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | AISI 303 | 21KLIW13RVX |
| | G 1/4 | 17 | | 38 | 9 | | 16 | | | AISI 316 L | 21KLIW13EVX |
|  Hose Barb | 6 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KLTF06EVX |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KLTF08RVX |
| | 8 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KLTF08EVX |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KLTF09RVX |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KLTF09EVX |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KLTF10EVX |
| | 6 mm Parker | 14 | | 50 | 20 | | 16 | | | AISI 303 | 21KLTP06RVX |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | AISI 303 | 21KLKO06RVX |
| | 4 x 6 mm | 14 | | 42 | 7 | 6 | 16 | | M 10 x 1 | AISI 316 L | 21KLKO06EVX |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | AISI 303 | 21KLKO08RVX |
| | 6 x 8 mm | 14 | | 42 | 7 | 6 | 16 | | M 12 x 1 | AISI 316 L | 21KLKO08EVX |
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 14 | 14 | 54 | 7 | 18 | 16 | 4 | M 10 x 1 | AISI 303 | 21KLKS06RVX |
| | 4 x 6 mm | 14 | 14 | 54 | 7 | 18 | 16 | 4 | M 10 x 1 | AISI 316 L | 21KLKS06EVX |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | 16 | 4 | M 12 x 1 | AISI 303 | 21KLKS08RVX |
|  Panel Mount with Hose Barb | 8 mm | 17 | 17 | 60 | 17 | 14 | 16 | | M 12 x 1 | AISI 303 | 21KLTS08RVX |

# Plugs – flat-sealing

## Series 21KL

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 40 | 7 | | | | | AISI 303 | 21SLAW10RVX |
| | G 1/8 | 14 | | 40 | 7 | | | | | AISI 316 L | 21SLAW10EVX |
| | G 1/4 | 17 | | 42 | 9 | | | | | AISI 303 | 21SLAW13RVX |
| | G 1/4 | 17 | | 42 | 9 | | | | | AISI 316 L | 21SLAW13EVX |
| | G 3/8 | 19 | | 42 | 9 | | | | | AISI 303 | 21SLAW17RVX |
| | G 3/8 | 19 | | 42 | 9 | | | | | AISI 316 L | 21SLAW17EVX |
|  Female Thread | G 1/8 | 14 | | 40 | 9 | | | | | AISI 303 | 21SLIW10RVX |
| | G 1/8 | 14 | | 40 | 9 | | | | | AISI 316 L | 21SLIW10EVX |
|  Hose Barb | 5 mm | 14 | | 50 | 17 | | | | | AISI 316 L | 21SLTF05EVX |
| | 6 mm | 14 | | 50 | 17 | | | | | AISI 303 | 21SLTF06RVX |
| | 6 mm | 14 | | 50 | 17 | | | | | AISI 316 L | 21SLTF06EVX |
| | 9 mm | 14 | | 50 | 17 | | | | | AISI 316 L | 21SLTF09EVX |
| | 10 mm | 14 | | 50 | 17 | | | | | AISI 303 | 21SLTF10RVX |
| | 10 mm | 14 | | 50 | 17 | | | | | AISI 316 L | 21SLTF10EVX |
| | 6 mm Parker | 14 | | 54 | 20 | | | | | AISI 303 | 21SLTP06RVX |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | | 46 | 7 | 6 | | | M 10 x 1 | AISI 303 | 21SLKO06RVX |
| | 4 x 6 mm | 14 | | 46 | 7 | 6 | | | M 10 x 1 | AISI 316 L | 21SLKO06EVX |
| | 6 x 8 mm | 14 | | 46 | 7 | 6 | | | M 12 x 1 | AISI 303 | 21SLKO08RVX |
| | 6 x 8 mm | 14 | | 46 | 7 | 6 | | | M 12 x 1 | AISI 316 L | 21SLKO08EVX |
|  Panel Mount with Plastic Hose Connection | 6 x 8 mm | 17 | 17 | 58 | 7 | 18 | | 4 | M 12 x 1 | AISI 303 | 21SLKS08RVX |

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

**Nominal Diameter**

# 6 = 28 mm²

**Rectus Series**

# 206

**Other designs in series 206**
The following other designs can be found from page:

➤ Brass / Steel P. 74

**Technical Description**
Leak-free coupling system for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive media.
Coupling system with single-hand operation, extremely low leakage rates and minimal dead space volume. Absolutely no air pockets when coupling and only a barely noticeable film of the medium being channelled on the valve bodies when uncoupling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design.

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

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

**KL** Leak-Free

## Working Pressure**

15 bar
** maximum static working pressure with design factor 4 to 1.

## Material

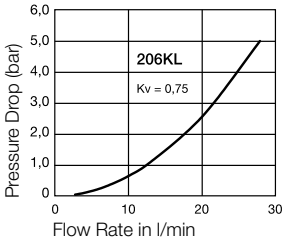
**Coupling:** AISI 316 L
**Plug:** AISI 316 L
**Seals:** FKM

## Interchangeability

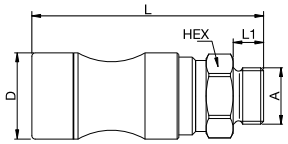
- Rectus Design

## Flow diagrams

**Water**

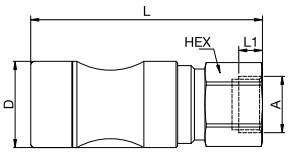


## Couplings – flat-sealing — Series 206KL



Male Thread

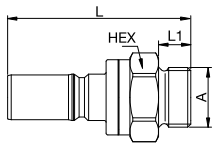
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 22 | | 68,5 | 9 | | 25,5 | | | | 206KLAW17EVX |
| G 1/2 | 24 | | 71,5 | 12 | | 25,5 | | | | 206KLAW21EVX |



Female Thread

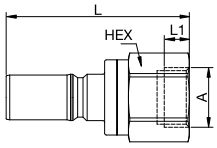
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 22 | | 68,5 | 9 | | 25,5 | | | | 206KLIW17EVX |
| G 1/2 | 24 | | 71,5 | 12 | | 25,5 | | | | 206KLIW21EVX |

## Plugs – flat-sealing — Series 206KL



Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 22 | | 55 | 9 | | | | | | 206SLAW17EVX |
| G 1/2 | 24 | | 54 | 12 | | | | | | 206SLAW21EVX |



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 22 | | 51 | 9 | | | | | | 206SLIW17EVX |
| G 1/2 | 24 | | 54 | 12 | | | | | | 206SLIW21EVX |

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

**Nominal Diameter**

# 7,2 = 40 mm²

**Rectus Series**

# 26

**Technical Description**
Universal stainless steel coupling with standard European profile. Version in AISI 303 stainless steel for corrosion-resistant applications, as an alternative to the UltraFlo versions.
Coupling system with single-hand operation and standard valve. Small mass size.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK16S

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

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

**Other designs in series 26**
The following other designs can be found from page:

➤ Brass / Steel P. 84
➤ Safety Self-Venting P. 292

## KA Single Shut-Off

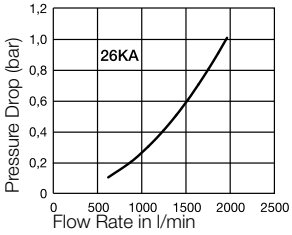
### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

### Material
**Coupling:** AISI 303 + PTFE
**Plug:** AISI 303
**Seals:** FKM

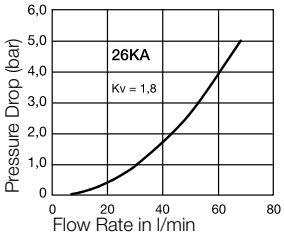
### Interchangeability
- Rectus 25
- European Standardprofile

### Flow diagrams

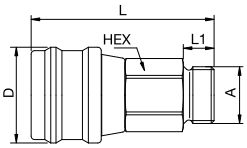
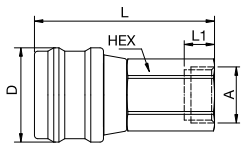
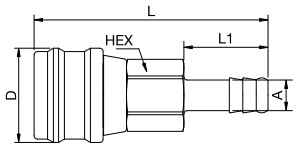
**Air**



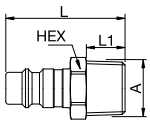
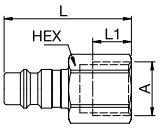
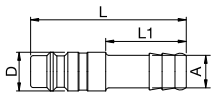
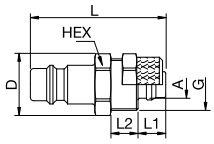

**Water**



## Couplings – with valve — Series 26KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 19 | | 55,5 | 10,5 | | 28 | | | | 26KAAW13RVX |
| | G 3/8 | 19 | | 53,5 | 9 | | 28 | | | | 26KAAW17RVX |
| | G 1/2 | 24 | | 56,5 | 12 | | 28 | | | | 26KAAW21RVX |
|  Female Thread | G 1/4 | 19 | | 51,5 | 10 | | 28 | | | | 26KAIW13RVX |
| | G 3/8 | 19 | | 53,5 | 9 | | 28 | | | | 26KAIW17RVX |
| | G 1/2 | 24 | | 56,5 | 12 | | 28 | | | | 26KAIW21RVX |
|  Hose Barb | 6 mm | 19 | | 69,5 | 25 | | 28 | | | | 26KATF06RVX |
| | 8 mm | 19 | | 69,5 | 25 | | 28 | | | | 26KATF08RVX |
| | 9 mm | 19 | | 69,5 | 25 | | 28 | | | | 26KATF09RVX |
| | 10 mm | 19 | | 69,5 | 25 | | 28 | | | | 26KATF10RVX |
| | 13 mm | 19 | | 69,5 | 28 | | 25 | | | | 26KATF13RVX |

## Plugs – without valve — Series 26KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 31 | 7 | | | | | | 25SFAW10RXX |
| | G 1/4 | 17 | | 33 | 9 | | | | | | 25SFAW13RXX |
| | G 3/8 | 19 | | 33 | 9 | | | | | | 25SFAW17RXX |
| | G 1/2 | 24 | | 38 | 12 | | | | | | 25SFAW21RXX |
|  Female Thread | G 1/8 | 14 | | 30 | 7 | | | | | | 25SFIW10RXX |
| | G 1/4 | 17 | | 33 | 10 | | | | | | 25SFIW13RXX |
| | G 3/8 | 19 | | 33 | 10 | | | | | | 25SFIW17RXX |
| | G 1/2 | 24 | | 35 | 12 | | | | | | 25SFIW21RXX |
| | M 16 x 1,5 | 19 | | 33 | 10 | | | | | | 25SFIM16RXX |
|  Hose Barb | 6 mm | | | 48 | 25 | | 12 | | | | 25SFTF06RXX |
| | 8 mm | | | 48 | 25 | | 12 | | | | 25SFTF08RXX |
| | 9 mm | | | 48 | 25 | | 12 | | | | 25SFTF09RXX |
| | 10 mm | | | 48 | 25 | | 12 | | | | 25SFTF10RXX |
| | 13 mm | | | 48 | 25 | | 15 | | | | 25SFTF13RXX |
|  with Plastic Hose Connection | 4 x 6 mm | | | 34 | 7 | 6 | 12 | | M 10 x 1 | | 25SFKO06RXX |
| | 6 x 8 mm | | | 34 | 7 | 6 | 12 | | M 12 x 1 | | 25SFKO08RXX |
| | 8 x 10 mm | 17 | | 42 | 9 | 8 | | | M 16 x 1 | | 25SFKO10RXX |
| | 9 x 12 mm | 17 | | 42 | 9 | 8 | | | M 16 x 1 | | 25SFKO12RXX |

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

**Nominal Diameter**

# 7,4 = 43 mm²

**Rectus Series**

# 1300

energy saver

**Technical Description**
Series 1300 is used mainly for applications in the area of compressed air and liquids. Optimally suited to use with liquid and aggressive media. The coupling series stands out for its compact design and corrosion resistance.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. 1315-QC
for Plug Part.-No. 1325-QC

**Working Temperature***
-25°C up to +200°C (FKM)
depending on the medium.

* For temperatures below -25°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

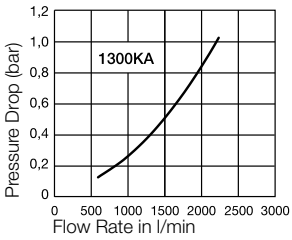
**Other designs in series 1300**
The following other designs can be found from page:

➤ Brass / Steel P. 92

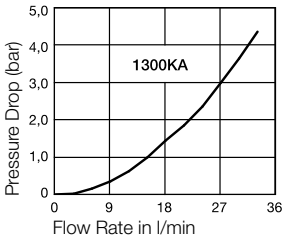
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 50 bar |
| **Features** | |
| • Single-hand operation | • Two-hand operation |
| **Material** | |
| **Coupling:** AISI 316<br>**Plug:** AISI 316<br>**Seals:** FKM | **Coupling:** AISI 316<br>**Plug:** AISI 316<br>**Seals:** FKM |
| **Interchangeability** | |
| • Rectus 31 | |

**Flow diagrams**

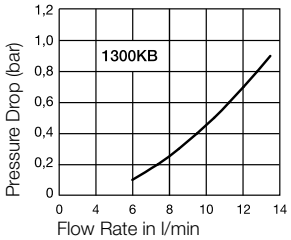
**Air**



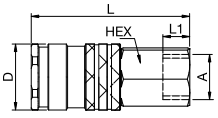

**Water**



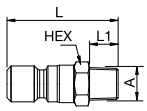
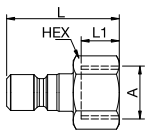

**Water**



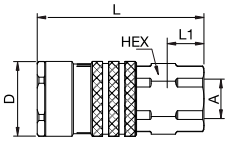
## Couplings – with valve — Series 1300KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | G 1/4 | 18 | | 49 | 8,75 | | 22 | | | | 1300KAIW13EVX |

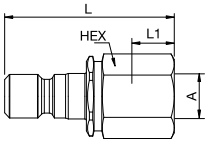
## Plugs – without valve — Series 1300KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 13 | | 35 | 9 | | | | | | 1300SFAW10EXX |
|  Female Thread | G 1/4 | 16 | | 36 | 10 | | | | | | 1300SFIW13EXX |

## Couplings – with valve — Series 1300KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | G 1/4 | 18 | | 49 | 8 | | 22 | | | | 1300KBIW13EVX |

## Plugs – with valve — Series 1300KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Female Thread | G 1/4 | 18 | | 44 | 9 | | | | | | 1300SBIW13EVX |

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

# Cross-Reference-List

| Connection | Thread | Rectus Part Number old | Tema Part Number old | Part Number new | Page |
|---|---|---|---|---|---|
| **Couplings – with valve** | | | | | |
| Female Thread | G 1/4 | | 1300 RV | **1300KAIW13EVX** | 201 |
| **Plugs – without valve** | | | | | |
| Male Thread | G 1/8 | | 13110 R | **1300SFAW10EXX** | 201 |
| Female Thread | G 1/4 | | 13410 R | **1300SFIW13EXX** | 201 |
| **Couplings – with valve** | | | | | |
| Female Thread | G 1/4 | | 1300 NRV | **1300KBIW13EVX** | 201 |
| **Plugs – with valve** | | | | | |
| Female Thread | G 1/4 | | 13410 RV | **1300SBIW13EVX** | 201 |

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

**Nominal Diameter**

# 7,4 = 42 mm²

**Rectus Series**

# 25

**Technical Description**
Universal industrial coupling with standard European profile for use with gaseous, liquid and aggressive media.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. The series stands out for its robust design and long service life even with the harshest use. The collar design minimises damage to the valve body.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S
for Plug Part.-No. SK12S

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

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

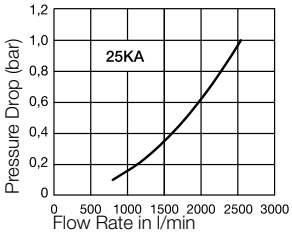
**Other designs in series 25**
The following other designs can be found from page:


➤ Brass / Steel P. 98
➤ Safety P. 274
➤ Safety Self-Venting P. 294
➤ Coded Systems P. 302

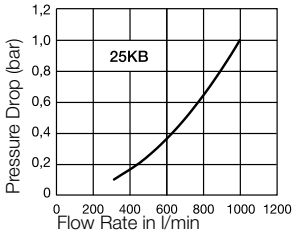

| KA Single Shut-Off | KB Double Shut-Off | KL Leak-Free |
|---|---|---|
| **Working Pressure**** | | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar | 8 bar |
| **Features** | | |
| | | • Minimal, almost imperceptible leakage when uncoupling<br>• No air locked into the system during the coupling process |
| **Material** | | |
| **Coupling:** AISI 303 / AISI 316 L<br>**Plug:** AISI 303 / AISI 316 L<br>**Seals:** FKM | **Coupling:** AISI 303 / AISI 316 L<br>**Plug:** AISI 303 / AISI 316 L<br>**Seals:** FKM | **Coupling:** AISI 303 / AISI 316 L<br>**Plug:** AISI 303 / AISI 316 L<br>**Seals:** FKM |
| **Interchangeability** | | |
| • Rectus 26<br>• Cejn 320<br>• various German Products | | |

**Flow diagrams**

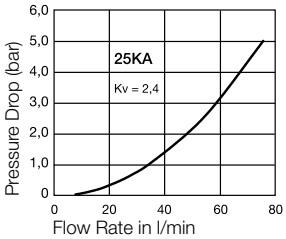
**Air**



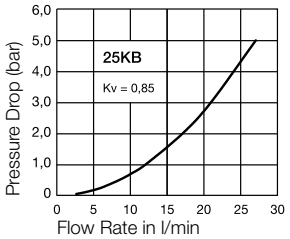

**Air**



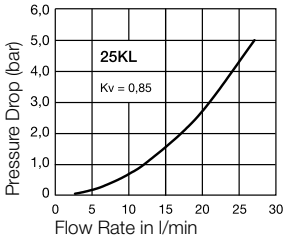

**Water**




**Water**

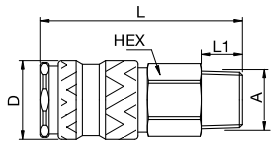
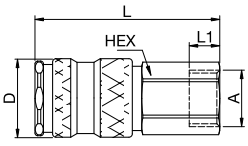
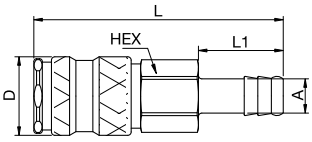
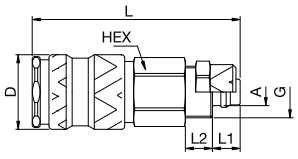
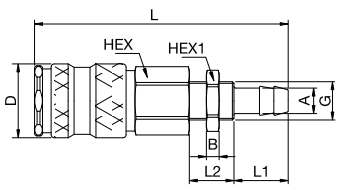



**Water**



# Couplings – with valve

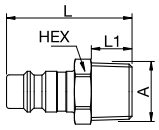
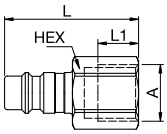
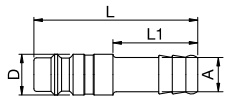
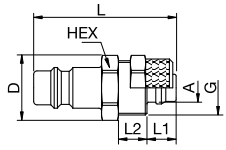
## Series 25KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 19 | | 59,5 | 10,5 | | 23 | | | AISI 303 | 25KAAW13RVX |
| | G 1/4 | 19 | | 59,5 | 10,5 | | 23 | | | AISI 316 L | 25KAAW13EVX |
| | G 3/8 | 19 | | 57,5 | 9 | | 23 | | | AISI 303 | 25KAAW17RVX |
| | G 3/8 | 19 | | 57,5 | 9 | | 23 | | | AISI 316 L | 25KAAW17EVX |
| | G 1/2 | 24 | | 60,5 | 12 | | 23 | | | AISI 303 | 25KAAW21RVX |
| | G 1/2 | 24 | | 60,5 | 12 | | 23 | | | AISI 316 L | 25KAAW21EVX |
| | M 18 x 1,5 | 19 | | 59,5 | 11 | | 23 | | | AISI 303 | 25KAAM18RVX |
| | | | | | | | | | | | |
|  Female Thread | G 1/4 | 19 | | 55,5 | 10 | | 23 | | | AISI 303 | 25KAIW13RVX |
| | G 1/4 | 19 | | 55,5 | 10 | | 23 | | | AISI 316 L | 25KAIW13EVX |
| | G 3/8 | 19 | | 54,5 | 9 | | 23 | | | AISI 303 | 25KAIW17RVX |
| | G 3/8 | 19 | | 54,5 | 9 | | 23 | | | AISI 316 L | 25KAIW17EVX |
| | G 1/2 | 24 | | 57,5 | 12 | | 23 | | | AISI 303 | 25KAIW21RVX |
| | G 1/2 | 24 | | 57,5 | 12 | | 23 | | | AISI 316 L | 25KAIW21EVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Hose Barb | 6 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 303 | 25KATF06RVX |
| | 6 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 316 L | 25KATF06EVX |
| | 8 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 303 | 25KATF08RVX |
| | 8 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 316 L | 25KATF08EVX |
| | 9 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 303 | 25KATF09RVX |
| | 9 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 316 L | 25KATF09EVX |
| | 10 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 303 | 25KATF10RVX |
| | 10 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 316 L | 25KATF10EVX |
| | 13 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 303 | 25KATF13RVX |
| | 13 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 316 L | 25KATF13EVX |
|  with Plastic Hose Connection | 6 x 8 mm | 19 | | 61 | 7 | 6 | 23 | | M 12 x 1 | AISI 303 | 25KAKO08RVX |
| | 6 x 8 mm | 19 | | 61 | 7 | 6 | 23 | | M 12 x 1 | AISI 316 L | 25KAKO08EVX |
| | 8 x 10 mm | 19 | | 64,5 | 9 | 8 | 23 | | M 16 x 1 | AISI 303 | 25KAKO10RVX |
| | 9 x 12 mm | 19 | | 64,5 | 9 | 8 | 23 | | M 16 x 1 | AISI 303 | 25KAKO12RVX |
| | 9 x 12 mm | 19 | | 64,5 | 9 | 8 | 23 | | M 16 x 1 | AISI 316 L | 25KAKO12EVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Panel Mount with Hose Barb | 6 mm | 19 | 17 | 75,5 | 17 | 10 | 23 | 4 | M 12 x 1 | AISI 303 | 25KATS06RVX |
| | 8 mm | 19 | 17 | 79,5 | 17 | 14 | 23 | 4 | M 12 x 1 | AISI 303 | 25KATS08RVX |
| | 10 mm | 19 | 19 | 79,5 | 25 | 14 | 23 | 4 | M 14 x 1 | AISI 303 | 25KATS10RVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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

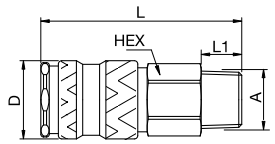
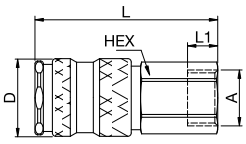
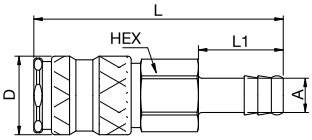
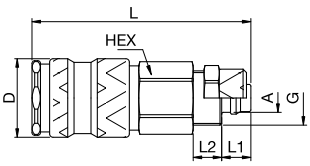
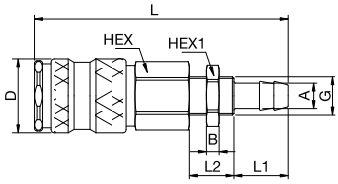
# Plugs – without valve

## Series 25KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 3/8 | 19 | | 33 | 9 | | | | | AISI 303 | 25SFAW17RXX |
| | G 3/8 | 19 | | 33 | 9 | | | | | AISI 316 L | 25SFAW17EXX |
| | G 1/2 | 24 | | 38 | 12 | | | | | AISI 303 | 25SFAW21RXX |
| | G 1/2 | 24 | | 38 | 12 | | | | | AISI 316 L | 25SFAW21EXX |
|  Female Thread | G 1/8 | 14 | | 30 | 7 | | | | | AISI 303 | 25SFIW10RXX |
| | G 1/8 | 14 | | 30 | 7 | | | | | AISI 316 L | 25SFIW10EXX |
| | G 1/4 | 17 | | 33 | 10 | | | | | AISI 303 | 25SFIW13RXX |
| | G 1/4 | 17 | | 33 | 10 | | | | | AISI 316 L | 25SFIW13EXX |
| | G 3/8 | 19 | | 33 | 10 | | | | | AISI 303 | 25SFIW17RXX |
| | G 3/8 | 19 | | 33 | 10 | | | | | AISI 316 L | 25SFIW17EXX |
| | G 1/2 | 24 | | 35 | 12 | | | | | AISI 303 | 25SFIW21RXX |
| | G 1/2 | 24 | | 35 | 12 | | | | | AISI 316 L | 25SFIW21EXX |
| | M 16 x 1,5 | 19 | | 33 | 10 | | | | | AISI 303 | 25SFIM16RXX |
|  Hose Barb | 6 mm | | | 48 | 25 | | 12 | | | AISI 303 | 25SFTF06RXX |
| | 6 mm | | | 48 | 25 | | 12 | | | AISI 316 L | 25SFTF06EXX |
| | 8 mm | | | 48 | 25 | | 12 | | | AISI 303 | 25SFTF08RXX |
| | 8 mm | | | 48 | 25 | | 12 | | | AISI 316 L | 25SFTF08EXX |
| | 9 mm | | | 48 | 25 | | 12 | | | AISI 303 | 25SFTF09RXX |
| | 9 mm | | | 48 | 25 | | 12 | | | AISI 316 L | 25SFTF09EXX |
| | 10 mm | | | 48 | 25 | | 12 | | | AISI 303 | 25SFTF10RXX |
| | 10 mm | | | 48 | 25 | | 12 | | | AISI 316 L | 25SFTF10EXX |
| | 13 mm | | | 48 | 25 | | 15 | | | AISI 303 | 25SFTF13RXX |
| | 13 mm | | | 48 | 25 | | 15 | | | AISI 316 L | 25SFTF13EXX |
|  with Plastic Hose Connection | 4 x 6 mm | | | 34 | 7 | 6 | 12 | | M 10 x 1 | AISI 303 | 25SFKO06RXX |
| | 4 x 6 mm | | | 34 | 7 | 6 | 12 | | M 10 x 1 | AISI 316 L | 25SFKO06EXX |
| | 6 x 8 mm | | | 34 | 7 | 6 | 12 | | M 12 x 1 | AISI 303 | 25SFKO08RXX |
| | 6 x 8 mm | | | 34 | 7 | 6 | 12 | | M 12 x 1 | AISI 316 L | 25SFKO08EXX |
| | 8 x 10 mm | 17 | | 42 | 9 | 8 | | | M 16 x 1 | AISI 303 | 25SFKO10RXX |

# Couplings – with valve

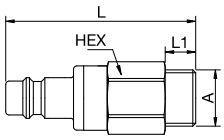
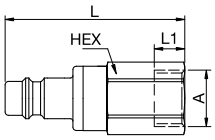
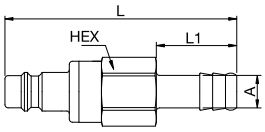
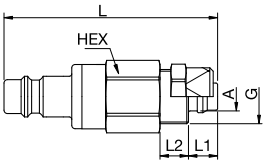
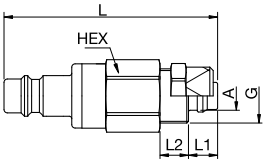
## Series 25KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 19 | | 59,5 | 10,5 | | 23 | | | AISI 303 | 25KBAW13RVX |
| | G 1/4 | 19 | | 59,5 | 10,5 | | 23 | | | AISI 316 L | 25KBAW13EVX |
| | G 3/8 | 19 | | 57,5 | 9 | | 23 | | | AISI 303 | 25KBAW17RVX |
| | G 3/8 | 19 | | 57,5 | 9 | | 23 | | | AISI 316 L | 25KBAW17EVX |
| | G 1/2 | 24 | | 60,5 | 12 | | 23 | | | AISI 303 | 25KBAW21RVX |
| | G 1/2 | 24 | | 60,5 | 12 | | 23 | | | AISI 316 L | 25KBAW21EVX |
| | M 16 x 1,5 | 19 | | 59 | 10,5 | | 23 | | | AISI 303 | 25KBAM16RVX |
| | M 16 x 1,5 | 19 | | 59 | 10,5 | | 23 | | | AISI 316 L | 25KBAM16EVX |
|  Female Thread | G 1/4 | 19 | | 55,5 | 10 | | 23 | | | AISI 303 | 25KBIW13RVX |
| | G 1/4 | 19 | | 55,5 | 10 | | 23 | | | AISI 316 L | 25KBIW13EVX |
| | G 3/8 | 19 | | 54,5 | 9 | | 23 | | | AISI 303 | 25KBIW17RVX |
| | G 3/8 | 19 | | 54,5 | 9 | | 23 | | | AISI 316 L | 25KBIW17EVX |
| | G 1/2 | 24 | | 57,5 | 12 | | 23 | | | AISI 303 | 25KBIW21RVX |
| | G 1/2 | 24 | | 57,5 | 12 | | 23 | | | AISI 316 L | 25KBIW21EVX |
| | M 14 x 1,5 | 19 | | 54,5 | 9 | | 23 | | | AISI 303 | 25KBIM14RVX |
| | M 16 x 1,5 | 19 | | 54,5 | 9 | | 23 | | | AISI 303 | 25KBIM16RVX |
| | M 18 x 1,5 | 22 | | 54,5 | 9 | | 23 | | | AISI 303 | 25KBIM18RVX |
| | | | | | | | | | | | |
|  Hose Barb | 6 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 303 | 25KBTF06RVX |
| | 6 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 316 L | 25KBTF06EVX |
| | 8 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 303 | 25KBTF08RVX |
| | 8 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 316 L | 25KBTF08EVX |
| | 9 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 303 | 25KBTF09RVX |
| | 9 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 316 L | 25KBTF09EVX |
| | 10 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 303 | 25KBTF10RVX |
| | 10 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 316 L | 25KBTF10EVX |
| | 13 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 303 | 25KBTF13RVX |
| | 13 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 316 L | 25KBTF13EVX |
|  with Plastic Hose Connection | 6 x 8 mm | 19 | | 61 | 7 | 6 | 23 | | M 12 x 1 | AISI 303 | 25KBKO08RVX |
| | 6 x 8 mm | 19 | | 61 | 7 | 6 | 23 | | M 12 x 1 | AISI 316 L | 25KBKO08EVX |
| | 8 x 10 mm | 19 | | 64,5 | 9 | 8 | 23 | | M 16 x 1 | AISI 303 | 25KBKO10RVX |
| | 9 x 12 mm | 19 | | 64,5 | 9 | 8 | 23 | | M 16 x 1 | AISI 303 | 25KBKO12RVX |
| | 9 x 12 mm | 19 | | 64,5 | 9 | 8 | 23 | | M 16 x 1 | AISI 316 L | 25KBKO12EVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Panel Mount with Hose Barb | 10 mm | 19 | 19 | 79,5 | 25 | 14 | 23 | 4 | M 14 x 1 | AISI 303 | 25KBTS10RVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

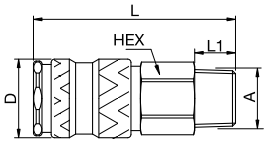
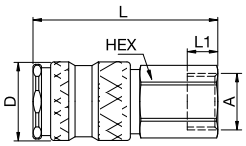
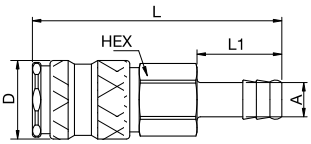
⚠ Please consider our security advices on the pages 12/13 ⚠

# Plugs – with valve

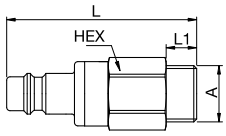
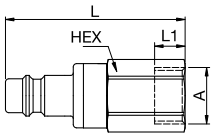
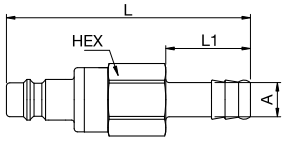
## Series 25KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 19 | | 54 | 7 | | | | | AISI 303 | 25SBAW10RVX |
| | G 1/8 | 19 | | 54 | 7 | | | | | AISI 316 L | 25SBAW10EVX |
| | G 1/4 | 19 | | 58 | 10,5 | | | | | AISI 303 | 25SBAW13RVX |
| | G 1/4 | 19 | | 58 | 10,5 | | | | | AISI 316 L | 25SBAW13EVX |
| | G 3/8 | 19 | | 56 | 9 | | | | | AISI 303 | 25SBAW17RVX |
| | G 3/8 | 19 | | 56 | 9 | | | | | AISI 316 L | 25SBAW17EVX |
| | G 1/2 | 24 | | 59 | 12 | | | | | AISI 303 | 25SBAW21RVX |
| | G 1/2 | 24 | | 59 | 12 | | | | | AISI 316 L | 25SBAW21EVX |
| | M 16 x 1,5 | 19 | | 57,5 | 10,5 | | | | | AISI 303 | 25SBAM16RVX |
| | M 16 x 1,5 | 19 | | 57,5 | 10,5 | | | | | AISI 316 L | 25SBAM16EVX |
| | M 18 x 1,5 | 19 | | 58 | 11 | | | | | AISI 303 | 25SBAM18RVX |
|  Female Thread | G 1/4 | 19 | | 54 | 10 | | | | | AISI 303 | 25SBIW13RVX |
| | G 1/4 | 19 | | 54 | 10 | | | | | AISI 316 L | 25SBIW13EVX |
| | G 3/8 | 19 | | 53 | 9 | | | | | AISI 303 | 25SBIW17RVX |
| | G 3/8 | 19 | | 53 | 9 | | | | | AISI 316 L | 25SBIW17EVX |
| | G 1/2 | 24 | | 56 | 12 | | | | | AISI 303 | 25SBIW21RVX |
| | G 1/2 | 24 | | 56 | 12 | | | | | AISI 316 L | 25SBIW21EVX |
| | M 18 x 1,5 | 22 | | 53 | 9 | | | | | AISI 303 | 25SBIM18RVX |
|  Hose Barb | 6 mm | 19 | | 72 | 25 | | | | | AISI 303 | 25SBTF06RVX |
| | 6 mm | 19 | | 72 | 25 | | | | | AISI 316 L | 25SBTF06EVX |
| | 8 mm | 19 | | 72 | 25 | | | | | AISI 303 | 25SBTF08RVX |
| | 8 mm | 19 | | 72 | 25 | | | | | AISI 316 L | 25SBTF08EVX |
| | 9 mm | 19 | | 72 | 25 | | | | | AISI 303 | 25SBTF09RVX |
| | 9 mm | 19 | | 72 | 25 | | | | | AISI 316 L | 25SBTF09EVX |
| | 10 mm | 19 | | 72 | 25 | | | | | AISI 303 | 25SBTF10RVX |
| | 10 mm | 19 | | 72 | 25 | | | | | AISI 316 L | 25SBTF10EVX |
| | 13 mm | 19 | | 72 | 25 | | | | | AISI 303 | 25SBTF13RVX |
| | 13 mm | 19 | | 72 | 25 | | | | | AISI 316 L | 25SBTF13EVX |
|  with Plastic Hose Connection | 4 x 6 mm | 19 | | 59 | 7 | 6 | | | M 10 x 1 | AISI 303 | 25SBKO06RVX |
| | 6 x 8 mm | 19 | | 59 | 7 | 6 | | | M 12 x 1 | AISI 303 | 25SBKO08RVX |
| | 6 x 8 mm | 19 | | 59 | 7 | 6 | | | M 12 x 1 | AISI 316 L | 25SBKO08EVX |
| | 8 x 10 mm | 19 | | 63 | 8,5 | 8,5 | | | M 16 x 1 | AISI 303 | 25SBKO10RVX |
| | 9 x 12 mm | 19 | | 63 | 8,5 | 8,5 | | | M 16 x 1 | AISI 303 | 25SBKO12RVX |
| | 9 x 12 mm | 19 | | 63 | 8,5 | 8,5 | | | M 16 x 1 | AISI 316 L | 25SBKO12EVX |
| | | | | | | | | | | | |
|  Panel Mount with Hose Barb | 6 mm | 19 | 17 | 74 | 17 | 10 | | | M 12 x 1 | AISI 303 | 25SBTS06RVX |
| | 8 mm | 19 | 17 | 78 | 17 | 14 | | | M 12 x 1 | AISI 303 | 25SBTS08RVX |
| | 10 mm | 19 | 19 | 78 | 17 | 14 | | | M 14 x 1 | AISI 303 | 25SBTS10RVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

## Couplings – flat-sealing — Series 25KL

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 19 | | 59,5 | 10,5 | | 23 | | | AISI 303 | 25KLAW13RVX |
| | G 1/4 | 19 | | 59,5 | 10,5 | | 23 | | | AISI 316 L | 25KLAW13EVX |
| | G 3/8 | 19 | | 57,5 | 9 | | 23 | | | AISI 303 | 25KLAW17RVX |
| | G 3/8 | 19 | | 57,5 | 9 | | 23 | | | AISI 316 L | 25KLAW17EVX |
| | G 1/2 | 24 | | 60,5 | 12 | | 23 | | | AISI 303 | 25KLAW21RVX |
| | G 1/2 | 24 | | 60,5 | 12 | | 23 | | | AISI 316 L | 25KLAW21EVX |
|  Female Thread | G 1/4 | 19 | | 55,5 | 10 | | 23 | | | AISI 303 | 25KLIW13RVX |
| | G 1/4 | 19 | | 55,5 | 10 | | 23 | | | AISI 316 L | 25KLIW13EVX |
| | G 3/8 | 19 | | 54,5 | 9 | | 23 | | | AISI 303 | 25KLIW17RVX |
| | G 3/8 | 19 | | 54,5 | 9 | | 23 | | | AISI 316 L | 25KLIW17EVX |
| | G 1/2 | 24 | | 57,5 | 12 | | 23 | | | AISI 303 | 25KLIW21RVX |
| | G 1/2 | 24 | | 57,5 | 12 | | 23 | | | AISI 316 L | 25KLIW21EVX |
|  Hose Barb | 9 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 303 | 25KLTF09RVX |
| | 9 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 316 L | 25KLTF09EVX |
| | 13 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 303 | 25KLTF13RVX |
| | 13 mm | 19 | | 73,5 | 25 | | 23 | | | AISI 316 L | 25KLTF13EVX |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

## Plugs – flat-sealing — Series 25KL

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 19 | | 58 | 10,5 | | | | | AISI 303 | 25SLAW13RVX |
| | G 1/4 | 19 | | 58 | 10,5 | | | | | AISI 316 L | 25SLAW13EVX |
| | G 3/8 | 19 | | 56 | 9 | | | | | AISI 303 | 25SLAW17RVX |
| | G 3/8 | 19 | | 56 | 9 | | | | | AISI 316 L | 25SLAW17EVX |
| | G 1/2 | 24 | | 59 | 12 | | | | | AISI 303 | 25SLAW21RVX |
| | G 1/2 | 24 | | 59 | 12 | | | | | AISI 316 L | 25SLAW21EVX |
|  Female Thread | G 1/4 | 19 | | 54 | 10 | | | | | AISI 303 | 25SLIW13RVX |
| | G 1/4 | 19 | | 54 | 10 | | | | | AISI 316 L | 25SLIW13EVX |
| | G 3/8 | 19 | | 53 | 9 | | | | | AISI 303 | 25SLIW17RVX |
| | G 3/8 | 19 | | 53 | 9 | | | | | AISI 316 L | 25SLIW17EVX |
| | G 1/2 | 24 | | 56 | 12 | | | | | AISI 303 | 25SLIW21RVX |
| | G 1/2 | 24 | | 56 | 12 | | | | | AISI 316 L | 25SLIW21EVX |
|  Hose Barb | 6 mm | 19 | | 75 | 25 | | | | | AISI 303 | 25SLTF06RVX |
| | 9 mm | 19 | | 72 | 25 | | | | | AISI 303 | 25SLTF09RVX |
| | 9 mm | 19 | | 72 | 25 | | | | | AISI 316 L | 25SLTF09EVX |
| | 13 mm | 19 | | 72 | 25 | | | | | AISI 303 | 25SLTF13RVX |
| | 13 mm | 19 | | 72 | 25 | | | | | AISI 316 L | 25SLTF13EVX |
| | | | | | | | | | | | |

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

**Nominal Diameter**

**9** = 63,5 mm²

**Rectus Series**

# 209

**Other designs in series 209**
The following other designs can be found from page:

➤ Brass / Steel P. 126

**Technical Description**
Leak-free coupling system for applications in sensitive environments, for example in analysis technology, in cooling systems, in transport systems and many applications with aggressive media.
Coupling system with single-hand operation, extremely low leakage rates and minimal dead space volume. Absolutely no air pockets when coupling and only a barely noticeable film of the medium being channelled on the valve bodies when uncoupling. Ergonomic sleeve design. Low coupling forces. Valve body protected by collar design.

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

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

**KL** Leak-Free

## Working Pressure**

15 bar
** maximum static working pressure with design factor 4 to 1.

## Material

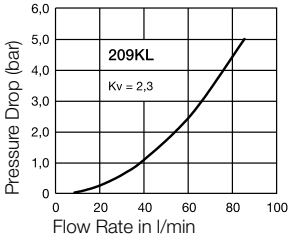
**Coupling:** AISI 316 L
**Plug:** AISI 316 L
**Seals:** FKM

## Interchangeability

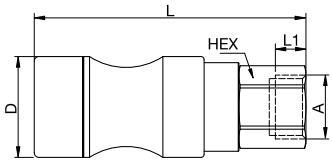
- Rectus Design

## Flow diagrams

**Water**



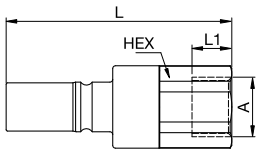
## Couplings – flat-sealing — Series 209KL



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | 27 | | 92 | 16 | | 33 | | | | 209KLIW21EVX |
| G 3/4 | 32 | | 94 | 16 | | 33 | | | | 209KLIW26EVX |

## Plugs – flat-sealing — Series 209KL



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | 27 | | 79,5 | 16 | | | | | | 209SLIW21EVX |
| G 3/4 | 32 | | 81,5 | 16 | | | | | | 209SLIW26EVX |

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

**Nominal Diameter**

# 10 = 80 mm²

**Rectus Series**

# 27

**Technical Description**
1/2" universal industrial coupling with standard European profile for use with large pneumatic consumers. Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. The series stands out for its robust design, extremely high flow and long service life even with the harshest use. The collar design minimises damage to the valve body.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK27S

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

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

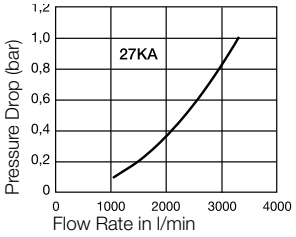
**Other designs in series 27**
The following other designs can be found from page:

➤ Brass / Steel P. 130
➤ Safety Self-Venting P. 296

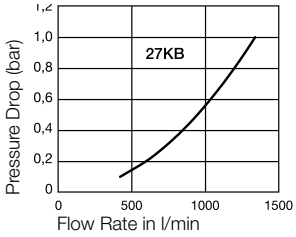
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar |
| **Material** | |
| **Coupling:** AISI 303 / AISI 316 L<br>**Plug:** AISI 303 / AISI 316 L<br>**Seals:** FKM | **Coupling:** AISI 303 / AISI 316 L<br>**Plug:** AISI 303 / AISI 316 L<br>**Seals:** FKM |
| **Interchangeability** | |
| • Cejn 410 | |

**Flow diagrams**

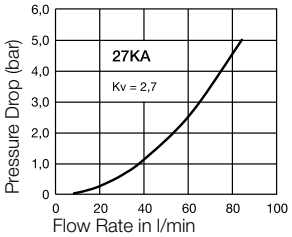
**Air**



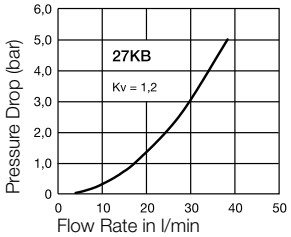

**Air**



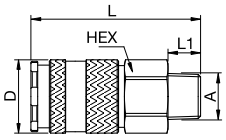
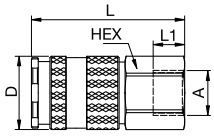
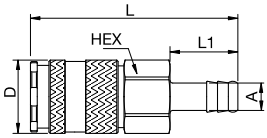

**Water**



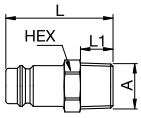
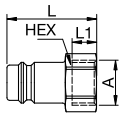

**Water**



## Couplings – with valve — Series 27KA

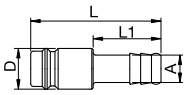
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 24 | | 57,5 | 9 | | 27 | | | AISI 303 | 27KAAW13RVX |
| | G 3/8 | 24 | | 57,5 | 9 | | 27 | | | AISI 303 | 27KAAW17RVX |
| | G 3/8 | 24 | | 57,5 | 9 | | 27 | | | AISI 316 L | 27KAAW17EVX |
| | G 1/2 | 24 | | 59,5 | 12 | | 27 | | | AISI 303 | 27KAAW21RVX |
| | G 1/2 | 24 | | 59,5 | 12 | | 27 | | | AISI 316 L | 27KAAW21EVX |
| | G 3/4 | 32 | | 60,5 | 16 | | 27 | | | AISI 303 | 27KAAW26RVX |
| | G 3/4 | 32 | | 60,5 | 16 | | 27 | | | AISI 316 L | 27KAAW26EVX |
|  Female Thread | G 3/8 | 24 | | 56,5 | 11 | | 27 | | | AISI 303 | 27KAIW17RVX |
| | G 3/8 | 24 | | 56,5 | 11 | | 27 | | | AISI 316 L | 27KAIW17EVX |
| | G 1/2 | 24 | | 56,5 | 12 | | 27 | | | AISI 303 | 27KAIW21RVX |
| | G 1/2 | 24 | | 56,5 | 12 | | 27 | | | AISI 316 L | 27KAIW21EVX |
| | G 3/4 | 32 | | 60,5 | 16 | | 27 | | | AISI 303 | 27KAIW26RVX |
| | G 3/4 | 32 | | 60,5 | 16 | | 27 | | | AISI 316 L | 27KAIW26EVX |
|  Hose Barb | 8 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 316 L | 27KATF08EVX |
| | 9 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 303 | 27KATF09RVX |
| | 9 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 316 L | 27KATF09EVX |
| | 10 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 316 L | 27KATF10EVX |
| | 13 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 303 | 27KATF13RVX |
| | 13 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 316 L | 27KATF13EVX |
| | 16 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 303 | 27KATF16RVX |
| | 16 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 316 L | 27KATF16EVX |
| | 19 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 303 | 27KATF19RVX |
| | 19 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 316 L | 27KATF19EVX |

## Plugs – without valve — Series 27KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 17 | | 36,5 | 9 | | | | | AISI 303 | 27SFAW13RXX |
| | G 1/4 | 17 | | 36,5 | 9 | | | | | AISI 316 L | 27SFAW13EXX |
| | G 3/8 | 19 | | 36,5 | 9 | | | | | AISI 303 | 27SFAW17RXX |
| | G 3/8 | 19 | | 36,5 | 9 | | | | | AISI 316 L | 27SFAW17EXX |
| | G 1/2 | 24 | | 40 | 12 | | | | | AISI 303 | 27SFAW21RXX |
| | G 1/2 | 24 | | 40 | 12 | | | | | AISI 316 L | 27SFAW21EXX |
| | G 3/4 | 32 | | 45 | 16 | | | | | AISI 303 | 27SFAW26RXX |
| | G 3/4 | 32 | | 45 | 16 | | | | | AISI 316 L | 27SFAW26EXX |
|  Female Thread | G 3/8 | 19 | | 33 | 9 | | | | | AISI 303 | 27SFIW17RXX |
| | G 3/8 | 19 | | 33 | 9 | | | | | AISI 316 L | 27SFIW17EXX |
| | G 1/2 | 24 | | 37 | 12 | | | | | AISI 303 | 27SFIW21RXX |
| | G 1/2 | 24 | | 37 | 12 | | | | | AISI 316 L | 27SFIW21EXX |
| | G 3/4 | 32 | | 42 | 16 | | | | | AISI 303 | 27SFIW26RXX |
| | G 3/4 | 32 | | 42 | 16 | | | | | AISI 316 L | 27SFIW26EXX |

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

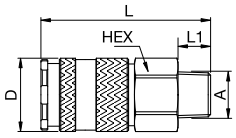
## Plugs – without valve — Series 27KA




Hose Barb

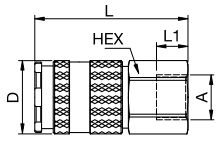
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 mm | | | 48 | 25 | | 15 | | | AISI 303 | 27SFTF06RXX |
| 8 mm | | | 48 | 25 | | 15 | | | AISI 303 | 27SFTF08RXX |
| 9 mm | | | 48 | 25 | | 15 | | | AISI 303 | 27SFTF09RXX |
| 9 mm | | | 48 | 25 | | 15 | | | AISI 316 L | 27SFTF09EXX |
| 10 mm | | | 48 | 25 | | 15 | | | AISI 303 | 27SFTF10RXX |
| 13 mm | | | 48 | 25 | | 15 | | | AISI 303 | 27SFTF13RXX |
| 13 mm | | | 48 | 25 | | 15 | | | AISI 316 L | 27SFTF13EXX |
| 16 mm | | | 49 | 25 | | 18 | | | AISI 303 | 27SFTF16RXX |
| 16 mm | | | 49 | 25 | | 18 | | | AISI 316 L | 27SFTF16EXX |
| 19 mm | | | 49 | 25 | | 21 | | | AISI 303 | 27SFTF19RXX |
| 19 mm | | | 49 | 25 | | 21 | | | AISI 316 L | 27SFTF19EXX |

## Couplings – with valve — Series 27KB



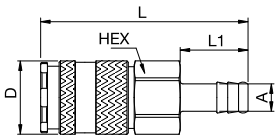

Male Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 24 | | 57,5 | 9 | | 27 | | | AISI 303 | 27KBAW13RVX |
| G 3/8 | 24 | | 57,5 | 9 | | 27 | | | AISI 303 | 27KBAW17RVX |
| G 3/8 | 24 | | 57,5 | 9 | | 27 | | | AISI 316 L | 27KBAW17EVX |
| G 1/2 | 24 | | 59,5 | 12 | | 27 | | | AISI 303 | 27KBAW21RVX |
| G 1/2 | 24 | | 59,5 | 12 | | 27 | | | AISI 316 L | 27KBAW21EVX |
| G 3/4 | 32 | | 60,5 | 16 | | 27 | | | AISI 303 | 27KBAW26RVX |
| G 3/4 | 32 | | 60,5 | 16 | | 27 | | | AISI 316 L | 27KBAW26EVX |




Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 24 | | 56,5 | 10 | | 27 | | | AISI 316 L | 27KBIW13EVX |
| G 3/8 | 24 | | 56,5 | 11 | | 27 | | | AISI 303 | 27KBIW17RVX |
| G 3/8 | 24 | | 56,5 | 11 | | 27 | | | AISI 316 L | 27KBIW17EVX |
| G 1/2 | 24 | | 56,5 | 12 | | 27 | | | AISI 303 | 27KBIW21RVX |
| G 1/2 | 24 | | 56,5 | 12 | | 27 | | | AISI 316 L | 27KBIW21EVX |
| G 3/4 | 32 | | 60,5 | 16 | | 27 | | | AISI 303 | 27KBIW26RVX |
| G 3/4 | 32 | | 60,5 | 16 | | 27 | | | AISI 316 L | 27KBIW26EVX |

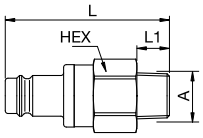
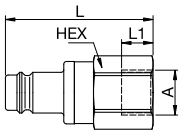
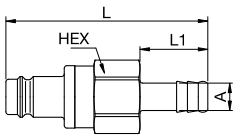



Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 13 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 303 | 27KBTF13RVX |
| 13 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 316 L | 27KBTF13EVX |
| 16 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 303 | 27KBTF16RVX |
| 16 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 316 L | 27KBTF16EVX |
| 19 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 303 | 27KBTF19RVX |
| 19 mm | 24 | | 76,5 | 25 | | 27 | | | AISI 316 L | 27KBTF19EVX |

# Plugs – with valve

## Series 27KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 24 | | 55,5 | 9 | | | | | AISI 303 | 27SBAW13RVX |
| | G 3/8 | 24 | | 55,5 | 9 | | | | | AISI 303 | 27SBAW17RVX |
| | G 3/8 | 24 | | 55,5 | 9 | | | | | AISI 316 L | 27SBAW17EVX |
| | G 1/2 | 24 | | 57,5 | 12 | | | | | AISI 303 | 27SBAW21RVX |
| | G 1/2 | 24 | | 57,5 | 12 | | | | | AISI 316 L | 27SBAW21EVX |
| | G 3/4 | 32 | | 58,5 | 16 | | | | | AISI 303 | 27SBAW26RVX |
| | G 3/4 | 32 | | 58,5 | 16 | | | | | AISI 316 L | 27SBAW26EVX |
| | | | | | | | | | | | |
|  Female Thread | G 1/4 | 24 | | 54,5 | 10 | | | | | AISI 303 | 27SBIW13RVX |
| | G 1/4 | 24 | | 54,5 | 10 | | | | | AISI 316 L | 27SBIW13EVX |
| | G 3/8 | 24 | | 54,5 | 10 | | | | | AISI 303 | 27SBIW17RVX |
| | G 3/8 | 24 | | 54,5 | 10 | | | | | AISI 316 L | 27SBIW17EVX |
| | G 1/2 | 24 | | 54,5 | 12 | | | | | AISI 303 | 27SBIW21RVX |
| | G 1/2 | 24 | | 54,5 | 12 | | | | | AISI 316 L | 27SBIW21EVX |
| | G 3/4 | 32 | | 58,5 | 16 | | | | | AISI 303 | 27SBIW26RVX |
| | G 3/4 | 32 | | 58,5 | 16 | | | | | AISI 316 L | 27SBIW26EVX |
|  Hose Barb | 9 mm | 24 | | 74,5 | 25 | | | | | AISI 303 | 27SBTF09RVX |
| | 9 mm | 24 | | 74,5 | 25 | | | | | AISI 316 L | 27SBTF09EVX |
| | 13 mm | 24 | | 74,5 | 25 | | | | | AISI 303 | 27SBTF13RVX |
| | 13 mm | 24 | | 74,5 | 25 | | | | | AISI 316 L | 27SBTF13EVX |
| | 16 mm | 24 | | 74,5 | 25 | | | | | AISI 303 | 27SBTF16RVX |
| | 16 mm | 24 | | 74,5 | 25 | | | | | AISI 316 L | 27SBTF16EVX |
| | 19 mm | 24 | | 74,5 | 25 | | | | | AISI 303 | 27SBTF19RVX |
| | 19 mm | 24 | | 74,5 | 25 | | | | | AISI 316 L | 27SBTF19EVX |

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

**Nominal Diameter**

# 9,5 = 71 mm²

**Rectus Series**

# 1800

energy saver

**Technical Description**
The 1800 series in stainless steel is used mainly for applications in the area of liquids with aggressive media. The coupling system stands out for its robust, compact design and high corrosion resistance.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. 5026-QC
for Plug Part.-No. 2526-QC

**Working Temperature***
-25°C up to +200°C (FKM)
depending on the medium.

* For temperatures below -25°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

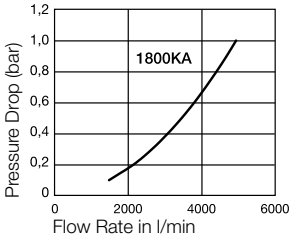
**Other designs in series 1800**
The following other designs can be found from page:

➤ Brass / Steel P. 140

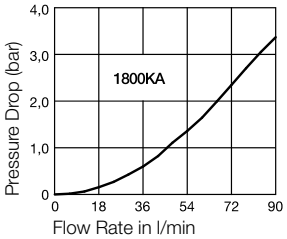
| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 50 bar |
| **Features** | |
| • Single-hand operation | • Two-hand operation |
| **Material** | |
| **Coupling:** AISI 316<br>**Plug:** AISI 316<br>**Seals:** FKM | **Coupling:** AISI 316<br>**Plug:** AISI 316<br>**Seals:** FKM |
| **Interchangeability** | |
| • Tema Design | |

**Flow diagrams**

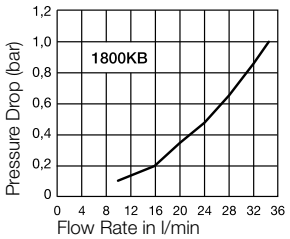
**Air**



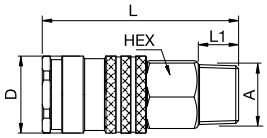
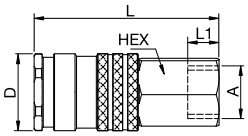

**Water**



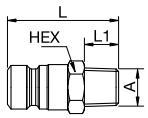
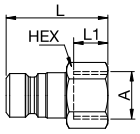
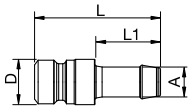

**Water**



## Couplings – with valve — Series 1800KA

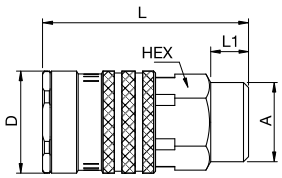
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/2 | 22 | | 54 | 13 | | 27 | | | | 1800KAAW21EVX |
|  Female Thread | G 3/8 | 22 | | 54 | 10 | | 27 | | | | 1800KAIW17EVX |
| | G 1/2 | 24 | | 55 | 10 | | 27 | | | | 1800KAIW21EVX |

## Plugs – without valve — Series 1800KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 3/8 | 19 | | 36 | 10 | | | | | | 1800SFAW17EXX |
|  Female Thread | G 3/8 | 22 | | 36 | 10 | | | | | | 1800SFIW17EXX |
|  Hose Barb | 6 mm | | | 44 | 23 | | 16 | | | | 1800SFTF06EXX |

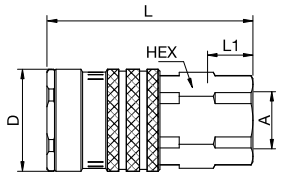
⚠ Please consider our security advices on the pages 12/13 ⚠

## Couplings – with valve — Series 1800KB



Male Thread

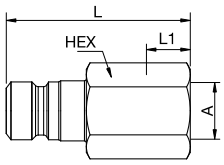
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/2 | 22 | | 54 | 10 | | 27 | | | | 1800KBAW21EVX |



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 22 | | 54 | 9 | | 27 | | | | 1800KBIW17EVX |
| G 1/2 | 24 | | 55 | 9 | | 27 | | | | 1800KBIW21EVX |

## Plugs – with valve — Series 1800KB



Female Thread

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 3/8 | 22 | | 49 | 10 | | | | | | 1800SBIW17EVX |
| G 1/2 | 25 | | 50 | 9 | | | | | | 1800SBIW21EVX |

# Cross-Reference-List

| Connection | Thread | Rectus Part Number old | Tema Part Number old | Part Number new | Page |
|---|---|---|---|---|---|
| **Couplings – with valve** | | | | | |
| Male Thread | G 1/2 | | 1800 ARV | **1800KAAW21EVX** | 221 |
| Female Thread | G 3/8 | | 1800 RV | **1800KAIW17EVX** | 221 |
| | G 1/2 | | 1800 BRV | **1800KAIW21EVX** | 221 |
| **Plugs – without valve** | | | | | |
| Male Thread | G 3/8 | | 18210 R | **1800SFAW17EXX** | 221 |
| Female Thread | G 3/8 | | 18410 R | **1800SFIW17EXX** | 221 |
| Hose Barb | 6 mm | | 18006 RF | **1800SFTF06EXX** | 221 |
| **Couplings – with valve** | | | | | |
| Male Thread | G 1/2 | | 1800 NARV | **1800KBAW21EVX** | 222 |
| Female Thread | G 3/8 | | 1800 NRV | **1800KBIW17EVX** | 222 |
| | G 1/2 | | 1800 NBRV | **1800KBIW21EVX** | 222 |
| **Plugs – with valve** | | | | | |
| Female Thread | G 3/8 | | 18410 RV | **1800SBIW17EVX** | 222 |
| | G 1/2 | | 18422 RV | **1800SBIW21EVX** | 222 |

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

**Nominal Diameter**

# 4,3 - 20

**Rectus Series**

# 70

**Other designs in series 70**
The following other designs can be found from page:

➤ Brass / Steel P. 174
➤ Thermoplastic P. 246

**Technical Description**
Coupling series in sizes 1/8" to 1" with plug profile compliant with ISO 7241-1 series B. Particularly suited to use with liquid media.
Coupling system with two-hand operation, i.e. both hands are required when coupling/uncoupling. The coupling series stands out for its high flow rates against a low pressure drop.

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

* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

**KB** Double Shut-Off

## Working Pressure**

see charts
** maximum static working pressure with design factor 4 to 1.

## Material

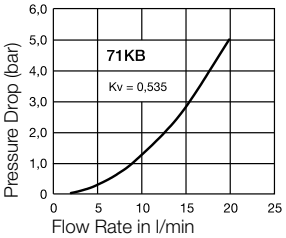
**Coupling:** AISI 303 / AISI 316 L
**Plug:** AISI 303 / AISI 316 L
**Seals:** FKM

## Interchangeability

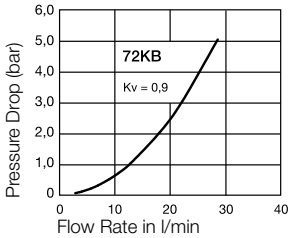
• ISO 7241-1 Series B

## Flow diagrams Water

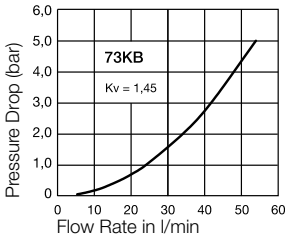
**71KB - 1/8"**



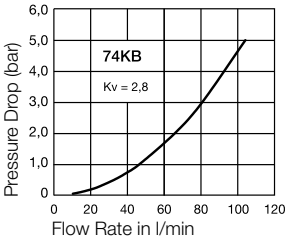

**72KB - 1/4"**



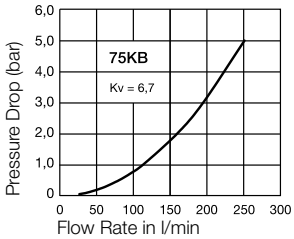

**73KB - 3/8"**



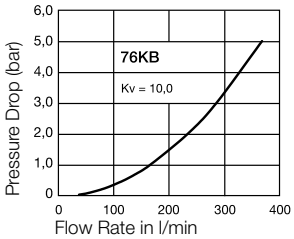

**74KB - 1/2"**



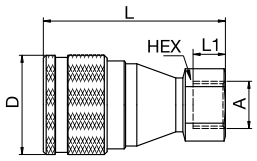

**75KB - 3/4"**




**76KB - 1"**



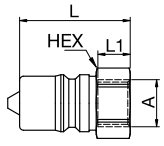
## Couplings – with valve — Series 70KB




Female Thread

| Size | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | Working Pressure max. / bar | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/8 | G 1/8 | 14 | | 48,5 | 7 | | 25 | | 250 | AISI 303 | 71KBIW10RVX |
| 1/8 | G 1/8 | 14 | | 48,5 | 7 | | 25 | | 250 | AISI 316 L | 71KBIW10EVX |
| 1/4 | G 1/4 | 19 | | 57,5 | 10 | | 29 | | 250 | AISI 303 | 72KBIW13RVX |
| 1/4 | G 1/4 | 19 | | 57,5 | 10 | | 29 | | 250 | AISI 316 L | 72KBIW13EVX |
| 3/8 | G 3/8 | 22 | | 64 | 11,5 | | 35 | | 250 | AISI 303 | 73KBIW17RVX |
| 3/8 | G 3/8 | 22 | | 64 | 11,5 | | 35 | | 250 | AISI 316 L | 73KBIW17EVX |
| 1/2 | G 1/2 | 27 | | 76 | 16 | | 44,5 | | 250 | AISI 303 | 74KBIW21RVX |
| 1/2 | G 1/2 | 27 | | 76 | 16 | | 44,5 | | 250 | AISI 316 L | 74KBIW21EVX |
| 3/4 | G 3/4 | 34 | | 96 | 24 | | 55 | | 160 | AISI 303 | 75KBIW26RVX |
| 3/4 | G 3/4 | 34 | | 96 | 24 | | 55 | | 160 | AISI 316 L | 75KBIW26EVX |
| 1 | G 1 | 41 | | 105,5 | 24 | | 62 | | 100 | AISI 303 | 76KBIW33RVX |
| 1 | G 1 | 41 | | 105,5 | 24 | | 62 | | 100 | AISI 316 L | 76KBIW33EVX |

## Plugs – with valve — Series 70KB




Female Thread

| Size | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | Working Pressure max. / bar | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1/8 | G 1/8 | 14 | | 29,5 | 7 | | | | 250 | AISI 303 | 71SBIW10RVX |
| 1/8 | G 1/8 | 14 | | 29,5 | 7 | | | | 250 | AISI 316 L | 71SBIW10EVX |
| 1/4 | G 1/4 | 19 | | 35 | 10 | | | | 250 | AISI 303 | 72SBIW13RVX |
| 1/4 | G 1/4 | 19 | | 35 | 10 | | | | 250 | AISI 316 L | 72SBIW13EVX |
| 3/8 | G 3/8 | 22 | | 39 | 11,5 | | | | 250 | AISI 303 | 73SBIW17RVX |
| 3/8 | G 3/8 | 22 | | 39 | 11,5 | | | | 250 | AISI 316 L | 73SBIW17EVX |
| 1/2 | G 1/2 | 27 | | 48 | 16 | | | | 250 | AISI 303 | 74SBIW21RVX |
| 1/2 | G 1/2 | 27 | | 48 | 16 | | | | 250 | AISI 316 L | 74SBIW21EVX |
| 3/4 | G 3/4 | 36 | | 60 | 24 | | | | 160 | AISI 303 | 75SBIW26RVX |
| 3/4 | G 3/4 | 36 | | 60 | 24 | | | | 160 | AISI 316 L | 75SBIW26EVX |
| 1 | G 1 | 41 | | 65 | 24 | | | | 100 | AISI 303 | 76SBIW33RVX |
| 1 | G 1 | 41 | | 65 | 24 | | | | 100 | AISI 316 L | 76SBIW33EVX |

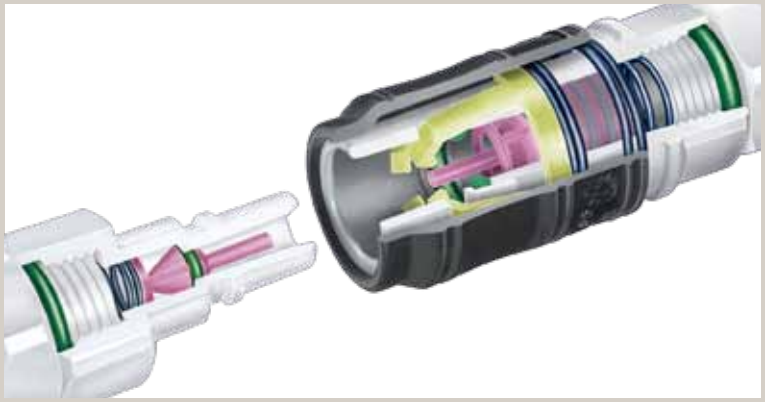
⚠ Please consider our security advices on the pages 12/13 ⚠

RectuChem / RectuPom

# Chemical Resistance

## RectuChem

This quick connect coupling system made of polyvinyl fluoride (PVDF) has been designed for increased resistance of chemicals. The stable spring made of high quality stainless steel guarantees a secure connection and permament functionality.

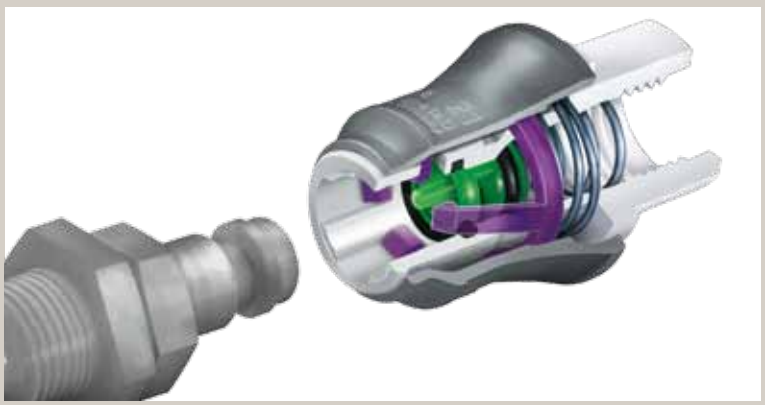


## RectuChem+

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 tried and tested, quick connect coupling system made of thermoplastic polymer stands out for its unparalleled, 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.



The following details are non-binding guide values to deterimine chemical resistance.
If in doubt, please ask your consultant.

# RectuChem (PVDF) chemical resistance

1 = resistant 2 = limited resistance 3 = not resistant

| Chemicals | Temperature | | | | | |
|---|---|---|---|---|---|---|
| | 20°C | 50°C | 70°C | 100°C | 110°C | 120°C |
| Acetaldehyde | 3 | | | | | |
| Acetanhydride | 3 | 3 | 3 | | | |
| Acetic acid (100%) | 1 | 1 | 2 | 3 | 3 | |
| Acetic acid (50%) | 1 | 1 | 1 | 1 | 1 | |
| Acetic acid (80%) | 1 | 1 | 1 | 1 | | |
| Acetone | 3 | 3 | | | | |
| Acetone (50% water) | 2 | 2 | 3 | | | |
| Acetone nitrile | 1 | 1 | 2 | | | |
| Acetophenone | 1 | 2 | 3 | 3 | | |
| Acetyl acetone | 3 | | | 3 | | |
| Acetyl chloride | 3 | 3 | | | | |
| Acryl nitrile | 1 | 2 | | | | |
| Adipic acid, diluted | 1 | 1 | 1 | | | |
| Allyl chloride | 1 | 1 | 1 | 1 | | |
| Aluminium chloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Aluminium chloride (50%) | 1 | 1 | 1 | | | |
| Aluminium fluoride | 1 | 1 | 1 | 1 | 1 | 1 |
| Aluminium fluoride (50%) | 1 | 1 | 1 | | | |
| Aluminium hydroxide | 1 | 1 | 1 | 1 | 1 | 1 |
| Aluminium nitrate | 1 | 1 | 1 | 1 | 1 | 1 |
| Aluminium nitrate (50%) | 1 | 1 | 1 | | | |
| Aluminium potassium sulphate | 1 | 1 | 1 | 1 | 1 | 1 |
| Aluminium sulphate | 1 | 1 | 1 | | | |
| Ammonia (30%) | 1 | 1 | 1 | 1 | | |
| Ammonia, anhydrous | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium aluminium sulphate | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium carbonate | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium chloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium chloride (50%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium fluoride | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium fluoride (20%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium hydroxide | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium nitrate | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium nitrate (50%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium phosphate | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium phosphate (50%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium sulphate | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium sulphate (50%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Ammonium sulphide | 1 | 1 | 1 | 1 | 1 | 1 |
| Amyl acetate | 1 | 1 | 2 | 3 | 3 | |
| Amyl alcohol | 1 | 1 | 1 | 1 | 1 | 1 |
| Amyl chloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Amyl chloride (50%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Aniline | 1 | 2 | 2 | 3 | | |
| Antimony trichloride | 1 | | | | | |
| Aqua regia | | | 3 | | | |
| Arsenic acid | 1 | 1 | 1 | 1 | 1 | 1 |
| Barium carbonate | 1 | 1 | 1 | 1 | 1 | 1 |
| Barium chloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Barium hydroxide | 1 | 1 | 1 | 1 | 1 | 1 |
| Barium sulphide | 1 | 1 | 1 | 1 | 1 | 1 |
| Benzaldehyde | 2 | 2 | 3 | | | |
| Benzene | 1 | 2 | 2 | | | |

| Chemicals | Temperature | | | | | |
|---|---|---|---|---|---|---|
| | 20°C | 50°C | 70°C | 100°C | 110°C | 120°C |
| Benzene-sulphonic acid | 1 | 3 | | | | |
| Benzoic acid | 1 | 1 | 1 | 1 | 1 | 1 |
| Benzoic acid methyl ester | 1 | | 3 | | | |
| Benzyl alcohol | 1 | 1 | 1 | 1 | 1 | 1 |
| Benzyl chloride | 1 | 2 | 2 | 3 | 3 | 3 |
| Borax | 1 | 1 | 1 | 1 | 1 | 1 |
| Boric acid | 1 | 1 | 1 | 1 | 1 | 1 |
| Bromic acid | 1 | 1 | 1 | 1 | 1 | |
| Bromine water | 1 | 1 | 1 | 1 | | |
| Bromine, dry | 1 | 1 | 1 | | | |
| Butadiene | 1 | 1 | 1 | 1 | | |
| Butene | 1 | 1 | 1 | 1 | 1 | 1 |
| Butyl acetate | 1 | 2 | 3 | 3 | | |
| Butyl acrylate | 1 | 2 | 3 | 3 | | |
| Butyl glycol | 1 | 1 | 1 | 1 | 1 | 1 |
| Butyl phenol | 1 | 1 | 1 | 1 | | |
| Butyric acid | 1 | 1 | 1 | 1 | 1 | |
| Calcium carbonate | 1 | 1 | 1 | 1 | 1 | 1 |
| Calcium chlorate | 1 | 1 | 1 | 1 | 1 | 1 |
| Calcium chloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Calcium disulphate | 1 | 1 | 1 | 1 | 1 | 1 |
| Calcium hydrogen sulphite | 1 | 1 | 1 | 1 | 1 | 1 |
| Calcium hydroxide | 1 | 1 | 1 | 1 | 1 | 1 |
| Calcium hypochlorite | 1 | 1 | 1 | 1 | 1 | 1 |
| Calcium nitate (50%) | 1 | 1 | 1 | 1 | | |
| Calcium nitrate | 1 | 1 | 1 | 1 | 1 | 1 |
| Calcium sulphate | 1 | 1 | 1 | 1 | 1 | 1 |
| Capric acid | 1 | 1 | 1 | | | |
| Caprylic acid | 1 | 1 | 1 | 2 | | |
| Carbon dioxide, wet or dry | 1 | 1 | 1 | 1 | 1 | 1 |
| Carbon disulphide | 1 | | | | | |
| Carbon tetrachloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Caustic soda (10%), Caustic soda (30%) | 1 | 1 | 1 | 1 | | |
| Caustic soda (50%) | 1 | 1 | 1 | 3 | | |
| Chlorine (50%) | 1 | 1 | 1 | 1 | | |
| Chlorine dioxine (15%) | 1 | 1 | 1 | | | |
| Chlorine, dry | 1 | 1 | 1 | 1 | | |
| Chlorine, wet | 1 | 1 | 1 | 1 | | |
| (Mono-)chloroacetic acid (50%) | 1 | 1 | 1 | 1 | | |
| (Mono-)chloroacetic acid (100%) | 1 | 1 | 1 | 1 | | |
| Chlorobenzene | 1 | 1 | 1 | 2 | | |
| Chlorodifluoromethane | 1 | 1 | 1 | 1 | | |
| Chloroform | 1 | 1 | 1 | 1 | | |
| Chlorosulphonic acid | 1 | 1 | | | | |
| Chromic acid (50%) | 1 | 1 | 2 | | | |
| Chromyl chloride | 1 | 1 | | | | |
| Citric acid (50%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Coconut oil | 1 | 1 | 1 | 1 | 1 | 1 |
| Coke oven gas | 1 | 1 | 1 | 1 | 1 | 1 |
| Copper chloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Copper cyanide | 1 | 1 | 1 | 1 | 1 | 1 |
| Copper fluoride | 1 | 1 | 1 | 1 | 1 | 1 |
| Copper nitrate | 1 | 1 | 1 | 1 | 1 | 1 |

| Chemicals | Temperature | | | | | |
|---|---|---|---|---|---|---|
| | 20°C | 50°C | 70°C | 100°C | 110°C | 120°C |
| Copper sulphate | 1 | 1 | 1 | 1 | | |
| Corn oil | 1 | 1 | 1 | 1 | 1 | 1 |
| Credonaldehyde | 1 | 1 | 1 | 1 | 1 | 1 |
| Crude oil | 1 | 1 | 1 | 1 | 1 | 1 |
| Cyclohexane | 1 | 1 | 1 | 1 | 1 | 1 |
| Cyclohexanol | 1 | 1 | 1 | 2 | | |
| Cyclohexanone | 1 | 3 | 3 | 3 | | |
| Dextrine | 1 | 1 | 1 | 1 | 1 | |
| Diacetone alcohol | 1 | 2 | 3 | 3 | | |
| Dichlorodiflourmethane | 1 | 1 | 1 | 1 | | |
| Diesel fuel | 1 | 1 | 1 | 1 | 1 | 1 |
| Diethyl ether | 1 | 2 | | | | |
| Diethylamine | 1 | 3 | 3 | | | |
| Diethylenetriamine | 1 | 1 | 2 | 3 | | |
| Diglycolic acid | 1 | | | | | |
| Diisobutyl ketone | 1 | 1 | 1 | 1 | | |
| Diisopropyl ether | 1 | 1 | | | | |
| Dimethyl amine | 3 | 3 | 3 | 3 | | |
| Dimethyl aniline | 1 | 2 | 3 | 3 | 3 | |
| Dimethyl formamide | | | 3 | | | |
| Dimethyl phthalate | 1 | 2 | 3 | 3 | | |
| 1, 4-Dioxane | 3 | 3 | 3 | | | |
| Epichlorohydrine | 3 | 3 | | | | |
| Ethyl acetate | 1 | 2 | 3 | 3 | | |
| Ethyl acrylate | 1 | 2 | 3 | 3 | | |
| Ethyl alcohol | 1 | 1 | 1 | 1 | 1 | 1 |
| Ethyl chloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Ethylene bromide (1, 2-Dibromoethane) | 1 | 1 | 1 | 1 | 1 | 1 |
| Ethylene chloride (1, 2-Dichlorethane) | 1 | 1 | 1 | 1 | 1 | 1 |
| Ethylene chlorohydrine | 1 | 2 | 3 | 3 | | |
| Ethylene diamine | 3 | 3 | | | | |
| Ethylene glycol | 1 | 1 | 1 | 1 | 1 | 1 |
| Ethylene oxide | 1 | 1 | | | | |
| Fats (triglycerides of long or medium chain fatty acids) | 1 | 1 | 1 | 1 | | |
| Fatty acids (long chain) | 1 | 1 | 1 | 1 | 1 | 1 |
| Fatty acids (medium chain) | 1 | 1 | 1 | | | |
| Fluoric acid (70%), hydrogen fluoride (100%) | 1 | 1 | 1 | 1 | | |
| Fluoric acid (hydrogen fluoride) (35%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Fluorine | 1 | | | | | |
| Formaldehyde (37%, Formalin, Wz) | 1 | 1 | | | | |
| Formic acid | 1 | 1 | 1 | 1 | 1 | 1 |
| Fuel oil (EL) | 1 | 1 | 1 | 1 | 1 | 1 |
| Furane | 3 | 3 | | | | |
| Furfurol | 2 | 3 | 3 | 3 | | |
| Gallic acid | 1 | 2 | | | | |
| Gear oil ARAL Energol HL 32 | 1 | 1 | | | | |
| Gear oil ARAL Montanol GM 220 | 1 | 1 | 1 | | | |
| Gear oil BP Energol H-PC 220 | 1 | 1 | 1 | | | |
| Gear oil Shell Tellus oil 32 | 1 | 1 | 1 | | | |
| Gear oil Shell Tonna oil T 220 | 1 | 1 | 1 | | | |
| Glucose | 1 | 3 | | | | |
| Glycerin | 1 | 1 | 1 | 1 | 1 | 1 |
| 1, 2-Glycol | 1 | 2 | 2 | 3 | 3 | 3 |
| Glycolic acid (hydroxyacetic acid) | 1 | 1 | 1 | 1 | 1 | 1 |
| Heptane | 1 | 1 | 1 | 1 | 1 | 1 |
| Hexamethyldisilazane (HMDS) | 1 | 1 | 1 | 1 | 1 | 1 |
| Hexane | 1 | 1 | 1 | | | |
| Hydrazine UDMH 50/50 | 1 | 1 | 1 | 1 | 1 | |
| Hydrobromic acid | 1 | 1 | 1 | 1 | 1 | 1 |
| Hydrochloric acid (20%), hydrochloric acid (conc.) | 1 | 1 | 1 | 1 | 1 | 1 |

| Chemicals | Temperature | | | | | |
|---|---|---|---|---|---|---|
| | 20°C | 50°C | 70°C | 100°C | 110°C | 120°C |
| Hydrochloric acid (gaseous) | 1 | 1 | 1 | 1 | 1 | 1 |
| Hydrogen | 1 | 1 | 1 | 1 | 1 | 1 |
| Hydrogen cyanide | 1 | 1 | 1 | 1 | 1 | 1 |
| Hydrogen peroxide (30%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Hydrogen peroxide (90%) | 1 | | | | | |
| Hydrogen phosphide | 1 | 1 | | | | |
| Hydrogen sulphide, wet or dry | 1 | 1 | 1 | 1 | 1 | 1 |
| Hydroiodic acid (48% + 12%J2) | 1 | 1 | 1 | 1 | 1 | 1 |
| Hypochlorous acid | 1 | 1 | 1 | 1 | 1 | 1 |
| Iodine, wet; Iodine, dry | 1 | 1 | 1 | 1 | 1 | 1 |
| Iodoform | 1 | 1 | 1 | 1 | | |
| Iron (II) chloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Iron (II) nitrate, Iron (III) nitrate | 1 | 1 | 1 | 1 | 1 | 1 |
| Iron (II) sulphate, Iron (III) sulphate | 1 | 1 | 1 | 1 | 1 | 1 |
| Iron (III) chloride (50%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Iron (III) sulphate (50%) | 1 | 1 | 1 | 1 | | |
| Isooctane | 1 | 1 | 1 | 1 | | |
| Jet fuel IP4 and IP5 | 1 | 1 | 1 | 1 | | |
| Kerosine | 1 | 1 | 1 | 1 | | |
| Lactic acid | 1 | 2 | 3 | 3 | | |
| Lauric acid | 1 | 1 | 1 | 1 | 1 | 1 |
| Lauryl chloride | 1 | 1 | 1 | | | |
| Lead acetate | 1 | 1 | 1 | 1 | 1 | 1 |
| Lead tetraethyl | 1 | 1 | 1 | 1 | 1 | 1 |
| Linoleic acid | 1 | 1 | 1 | 1 | | |
| Linseed oil | 1 | 1 | 1 | 2 | | |
| Magnesium carbonate | 1 | 1 | 1 | 1 | | |
| Magnesium chloride | 1 | 1 | 1 | 1 | | |
| Magnesium hydroxide | 1 | 1 | 1 | 2 | | |
| Magnesium nitrate | 1 | 1 | 1 | 1 | | |
| Magnesium sulphate | 1 | 1 | 1 | | | |
| Maleic acid | 1 | 1 | 1 | 1 | | |
| Mercuric chloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Mercuric cyanide | 1 | 1 | 1 | 1 | 1 | 1 |
| Mercuric nitrate | 1 | 1 | 1 | 1 | 1 | 1 |
| Mercury | 1 | 1 | 1 | 1 | 1 | 1 |
| Methane | 1 | 1 | 1 | 1 | | |
| Methane sulphonic acid (50%) | 1 | 1 | 1 | 1 | | |
| Methyl alcohol | 1 | 1 | | | | |
| Methyl bromide | 1 | 1 | 1 | 1 | 1 | 1 |
| Methyl chloride | 1 | 1 | 2 | | | |
| Methyl ethyl ketone | 3 | 3 | 3 | 3 | | |
| Methyl isobutyl ketone | 1 | 2 | 3 | 3 | | |
| Methylene chloride | 2 | 2 | | | | |
| Milk | 1 | 1 | 1 | 1 | | |
| Mineral oil | 1 | 1 | 1 | 1 | 1 | |
| Mineral oil | 1 | 1 | 1 | 1 | 1 | 1 |
| Monoethanolamine | 3 | 3 | | | | |
| Morpholine | 2 | 3 | 3 | | | |
| N, N-Dimethyl acetamide | | | 3 | | | |
| Naphtha | 1 | 1 | 1 | 1 | 1 | 1 |
| Naphthalene | 1 | 1 | 1 | 2 | | |
| Natural gas | 1 | 1 | 1 | 1 | 1 | 1 |
| n-Butanol | 1 | 1 | 1 | 1 | 1 | 1 |
| n-Butyl amine | 3 | 3 | | | | |
| n-Butyl bromide | 1 | 1 | 1 | 1 | 1 | 1 |
| n-Butyl chloride | 1 | 1 | 1 | 1 | 1 | 1 |
| n-Butyl mercaptane | 1 | 1 | 1 | 1 | 1 | 1 |
| Nickel chloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Nickel nitrate | 1 | 1 | 1 | 1 | 1 | 1 |

| Chemicals | Temperature | | | | | |
|---|---|---|---|---|---|---|
| | 20°C | 50°C | 70°C | 100°C | 110°C | 120°C |
| Nickel sulphate | 1 | 1 | 1 | 1 | 1 | 1 |
| Nicotine | 1 | 2 | 2 | | | |
| Nicotinic acid | 1 | 1 | 1 | 1 | 1 | 1 |
| Nitrating acid | 1 | 1 | 2 | | | |
| Nitric acid (15%), Nitric acid (30%) | 1 | 1 | 1 | 1 | | |
| Nitric acid (65%) | 1 | 1 | 1 | | | |
| Nitric acid (fuming) | 2 | 2 | | | | |
| Nitrobenzene | 1 | 2 | 3 | | | |
| Nitrogen dioxide | 1 | 1 | 1 | 1 | | |
| Nitromethane | 2 | 3 | | | | |
| Nitrous acid | 1 | 1 | 1 | 1 | | |
| N-Methylpyrrolidone | | | 3 | | | |
| Octane | 1 | 1 | 1 | 1 | 1 | 1 |
| Octene | 1 | 1 | 1 | 1 | 1 | 1 |
| o-Dichlorobenzene | | | | | | |
| Oil (triglyceride) | 1 | 1 | 1 | 1 | | |
| Oleic acid | 1 | 1 | 1 | 1 | 1 | 1 |
| Oleum | 3 | | | | | |
| Oxalic acid | 1 | 1 | 2 | 3 | | |
| Oxygen | 1 | 1 | 1 | 1 | 1 | 1 |
| Ozone | 1 | 1 | 1 | 1 | 1 | 1 |
| Palmitic acid | 1 | 1 | 1 | 1 | 1 | 1 |
| Paraldehyde | 1 | 1 | 1 | | | |
| Perchlorethylene | 1 | 1 | 1 | 1 | 1 | 1 |
| Perchloric acid (10%) | 1 | 1 | 1 | 1 | | |
| Perchloric acid (72%) | 1 | 1 | | | | |
| Petrol (leaded) | 1 | 1 | 1 | 1 | 1 | 1 |
| Petrol (unleaded) | 1 | 1 | 1 | 1 | 1 | 1 |
| Phenol (10%) | 1 | 1 | 1 | 1 | | |
| Phenol (100%) | 1 | 1 | 1 | 2 | | |
| Phenylhydrazine | 1 | 1 | | | | |
| Phosphoric acid (30%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Phosphoric acid (85%) | 1 | 1 | 1 | 1 | 1 | |
| Phosphorous pentoxide | 1 | 1 | 1 | 1 | | |
| Phosphorous trichloride | 1 | 1 | 1 | 1 | | |
| Phthalic acid | 1 | 1 | 1 | 1 | | |
| Picric acid | 1 | | | | | |
| Potassium bromide | 1 | 1 | 1 | 1 | 1 | 1 |
| Potassium carbonate | 1 | 1 | 1 | 1 | 1 | 1 |
| Potassium chlorate | 1 | 1 | 1 | 1 | 1 | |
| Potassium chloride | 1 | 2 | 3 | 3 | | |
| Potassium cyanide | 1 | 2 | 3 | 3 | | |
| Potassium dichromate | 3 | 3 | | | | |
| Potassium hydroxide | 1 | 2 | 2 | 3 | | |
| Potassium nitrate | 1 | 1 | 1 | 1 | 1 | 1 |
| Potassium permanganate | 1 | 1 | 1 | 1 | 1 | 1 |
| Potassium sulphate | 1 | 1 | 1 | 1 | 1 | 1 |
| Potassium sulphide | 1 | 1 | 1 | 1 | 1 | 1 |
| Potassium terrocyanide | 3 | 3 | | | | |
| Propane | 1 | 1 | 1 | 1 | 1 | 1 |
| Propanol | 1 | 1 | 2 | 3 | | |
| Propylene carbonate | | | 3 | | | |
| Propylene oxide | 3 | | | | | |
| Pyridine | 3 | 3 | 3 | | | |
| Pyrogallic acid | 1 | 1 | | | | |
| Salicylic acid | 1 | 1 | 1 | 1 | | |
| sec-Butanol | 1 | 1 | 1 | 1 | 1 | 1 |
| sec-Butyl amine | 3 | 3 | | | | |
| Silicon tetrachloride | 1 | | | | | |
| Silver cyanide | 1 | 1 | 1 | 1 | 1 | 1 |

| Chemicals | Temperature | | | | | |
|---|---|---|---|---|---|---|
| | 20°C | 50°C | 70°C | 100°C | 110°C | 120°C |
| Silver nitrate | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium acetate | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium benzoate | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium bicarbonate (Sodium hydrogen carbonate) | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium bisulphate (Sodium hydrogen sulphate) | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium bisulphite (Sodium hydrogen sulphite) | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium bromide | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium carbonate | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium carbonate (40%) | 1 | 1 | 1 | | | |
| Sodium chlorate | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium chloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium cyanide | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium fluoride | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium hypochloride | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium nitrate | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium nitrite | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium peroxide | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium phosphate | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium silicate | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium sulphate | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium sulphide | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium sulphite | 1 | 1 | 1 | 1 | 1 | 1 |
| Sodium thiosulphate | 1 | 1 | 1 | 1 | 1 | 1 |
| Stearic acid | 1 | 1 | 1 | 1 | 1 | 1 |
| Sulphur | 1 | 1 | 1 | 1 | 1 | 1 |
| Sulphur chloride | 1 | | | | | |
| Sulphur dichloride | 1 | | | | | |
| Sulphur dioxide | 1 | 1 | 1 | 1 | | |
| Sulphur trioxide | 3 | 3 | | | | |
| Sulphuric acid (50%) | 1 | 1 | 1 | 1 | 1 | |
| Sulphuric acid (60%) | 1 | 1 | 1 | 1 | | |
| Sulphuric acid (80%) | 1 | 1 | 1 | 1 | 1 | 2 |
| Sulphuric acid (95%) | 1 | 1 | 2 | 3 | | |
| Sulphuric acid (fuming/monohydrate) | 3 | 3 | | | | |
| Sulphurous acid | 1 | 1 | 1 | 1 | | |
| Synthesis gas | 1 | 1 | 1 | 1 | 1 | 1 |
| Tall oil | 1 | 1 | 1 | 1 | 1 | 1 |
| tert-Butanol | 1 | 1 | 1 | 1 | 1 | 1 |
| tert-Butyl amine | 1 | 2 | 2 | 3 | | |
| Tetrachloroethylene | 1 | 1 | 1 | 2 | | |
| Tetrahydrofurane | 2 | 3 | | | | |
| Tetramethyl ammonium hydroxide (50%) | 1 | 1 | 1 | 1 | | |
| Thionyl chloride | 1 | 2 | | | | |
| Titanium tetrachloride | 1 | 1 | | | | |
| Toluol | 1 | 1 | 1 | 2 | | |
| Tributyl phosphate | 1 | 1 | 1 | 1 | | |
| Trichloroacetic acid | 1 | 2 | 3 | 3 | | |
| 1.1.1-Trichloroethane | 1 | 1 | 2 | | | |
| Trichloroethylene | 1 | 1 | 1 | 1 | 1 | 1 |
| Trichlorofluoromethane | 1 | 1 | 1 | 1 | | |
| Triethyl amine | 1 | 1 | 2 | 3 | | |
| Urea (50%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Vinyl acetate | 1 | 1 | 1 | 1 | 1 | 1 |
| Water, seawater | 1 | 1 | 1 | 1 | 1 | 1 |
| Xylol | 1 | 1 | 1 | | | |
| y-Butyrol acetone | | | 3 | | | |
| Zinc chloride (50%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Zinc nitrate (50%) | 1 | 1 | 1 | 1 | 1 | 1 |
| Zinc sulphate (50%) | 1 | 1 | 1 | 1 | 1 | 1 |

# RectuPom chemical resistance

1 = resistant — Weight increase < 3% or weight loss < 0.5% and/or decrease in tensile strength < 15%
2 = limited resistance — Weight increase 3 - 8% or weight loss 0.5 - 3% and/or decrease in tensile strength 15 - 30%
3 = not resistant — Weight increase > 8% or weight loss > 3% and/or decrease in tensile strength > 30%

| Chemicals | Temperature | |
|---|---|---|
| | 20°C | 50°C |
| Acetic acid (10%)* | 1 | 1 |
| Acetic acid (80%) | 2 | 3 |
| Acetone | 1 | 2 |
| Acetylene tetrabromide (10%)* | 2 | 3 |
| Ammonia (10%) | 1 | 1 |
| Ammonia (conc.) | 1 | 1 |
| Ammonium sulphate ®Hoechst (10%, pH 5.8) | 1 | 3 |
| Benzol | 2 | 2 |
| Butanol | 1 | 1 |
| Butyl acetate | 1 | 2 |
| Butyraldehyde | 2 | 2 |
| Butyric acid (1%)* | 1 | 1 |
| Butyric acid (98) | 2 | 2 |
| Calcium ammonium nitrate | 1 | 1 |
| Calcium chloride (10%) | 1 | 1 |
| Calcium nitrate ®Hoechst (pH 6.4) (10%) | 1 | 1 |
| Cananga oil | 1 | 1 |
| Carbon disulphide | 1 | 1 |
| Carbon tetrachloride | 1 | 2 |
| CFC (partially halogenated) | 3 | 3 |
| CFC (perhalogenated) | 1 | 1 |
| Chlorinated lime (approx. 10%) | 3 | 3 |
| Chlorobenzene | 2 | 2 |
| Chloroethyl (DAB 6) | 1 | 2 |
| Chloroform | 3 | 3 |
| Chromic acid (3%) | 2 | 2 |
| ®Complesal Type Blue 12+12+17+2 (10%, pH 5,8) | 1 | 1 |
| Citric acid (10%) | 1 | 3 |
| Clophen A 60 (Bayer) | 1 | 1 |
| Coffee (®Nescafe) | 1 | 1 |
| Copper sulphate (10%) | 1 | 1 |
| Developer solution 1:50 (pH 10,9) (®Rodinal Agfa) | 1 | 1 |
| Developer solution 1:100 (pH 10.4) (®Rodinal Agfa) | 1 | 1 |
| Dibutyl phthalate | 1 | 1 |
| Diesel oil | 1 | 1 |
| Dimethyl phthalate | 1 | 2 |
| Dioctyl sebacate | 1 | 1 |
| Dioxane | 2 | 2 |
| Engine oil BP HP 20 | 1 | 1 |
| Engine oil SAW 40 (Caltrex) | 1 | 1 |
| Ethanol (96%) | 1 | 1 |
| Ether (DAB 6) | 1 | 1 |
| Ethyl acetate | 2 | 2 |
| Ethyl glycol | 1 | 2 |
| Fixing bath solution (pH 5.4) | 1 | 2 |
| Formaldehyde (40%) | 1 | 1 |
| Formic acid (10%)* | 1 | 3 |
| Fuel oil EL | 1 | 1 |
| Galbanum resin | 1 | |
| ®Genantin drinking water 1:1 | 1 | |
| (+1% ®Donax C, Shell) | | |
| Glacial acetic acid | 2 | 3 |

| Chemicals | Temperature | |
|---|---|---|
| | 20°C | 50°C |
| Glycerin | 1 | 1 |
| Glycol | 1 | 1 |
| Glycol/distilled water 48 : 52 | 1 | 1 |
| ®Grisiron GBF 1 (5g to 100g H2O) | 1 | 1 |
| Hydrochloric acid (10%) | 3 | 3 |
| Hydrogen peroxide (30%)* | 1 | 3 |
| Hydroxycitronellal | 1 | 1 |
| Ink (®Pelikan ink, blue-black) | 1 | 3 |
| Iron chloride (10%) | 2 | 3 |
| Isopropyl alcohol | 1 | 1 |
| JP 1 fuel (Shell) | 1 | 1 |
| JP 4 fuel (Shell) | 1 | 1 |
| Lactic acid (10%)* | 1 | 2 |
| Lactic acid (90%)* | 1 | 3 |
| Lavender oil, finest | 1 | 1 |
| Lemongrass oil | 1 | 1 |
| Methanol | 1 | 1 |
| Methyl acetate | 2 | 2 |
| Methyl bromide | 3 | 3 |
| Methyl ethyl ketone | 2 | 2 |
| Methyl glycol | 2 | 2 |
| Methyl glycol acetate | 2 | 3 |
| Methylene bromide | 3 | 3 |
| Methylene chloride, technical | 3 | 3 |
| Methylisobutylketone | 1 | 1 |
| Methylisopropylketone | 1 | 1 |
| Mineral oil | 1 | 1 |
| Mobil oil HD SAE 20 after 3000 km | 1 | 1 |
| Mobil oil SAE 20 | 1 | 1 |
| Natural gas | 1 | 1 |
| n-Hexane | 1 | 1 |
| Nickel sulphate (10%) | 1 | 1 |
| Nitric acid (10%) | 3 | 3 |
| Nitrogen phosphate ®Hoechst (10%, ph 5.1) | 1 | 1 |
| Nitrous gases | 3 | 3 |
| Normal car petrol | 1 | 1 |
| Oil of cloves | 1 | |
| Olive oil | 1 | 2 |
| Ozone | 3 | 3 |
| Peat water (pH 3.7) | 1 | 1 |
| Perchloroethylene | 1 | 2 |
| ®Persil 59 (5%, Henkel) | 1 | 1 |
| Petrol (BP 100-140°C) | 1 | 1 |
| Petrol with 15 ... 20% methanol | 1 | 1 |
| Petrol/benzol mixture (super grade petrol) | 1 | 1 |
| Petroleum | 1 | 1 |
| Phenol | 3 | 3 |
| Phosphoric acid (25%) | 1 | 3 |
| Potassiom hydroxide (potash lye, caustic potash) | 1 | 1 |
| Potassium permanganate (10%)* | 1 | 1 |
| Seawater (North Sea) | 1 | 1 |
| Sodium bicarbonate (10%) | 1 | 1 |

| Chemicals | Temperature | |
|---|---|---|
| | 20°C | 50°C |
| Sodium bisulphite lye (pH 4.5) | 3 | 3 |
| Sodium carbonate (10%) | 1 | 1 |
| Sodium chloride | 1 | 1 |
| Sodium hydroxide (sodium lye, caustic soda) | 1 | 1 |
| Sodium hypochlorite (bleaching sol. about 12.5% active chlorine) | 2 | 3 |
| Sodium nitrate ®Hoechst (10%, pH 0.8) | 1 | 1 |
| Sodium o-phosphate, primary (10%) | 1 | 1 |
| Sodium o-phosphate, sec. (10%) | 1 | 1 |
| Sodium o-phosphate, tert. (10%) | 1 | 1 |
| Soya oil | 1 | 1 |
| Sulphur dioxide gas | 3 | 3 |
| Sulphuric acid (10%)* | 1 | 3 |
| Sulphuric acid (50%) | 3 | 3 |
| Tetrahydrofuran | 2 | 2 |
| ®Tetralin (Henkel) | 1 | 2 |
| Thiophene | 2 | 2 |
| Toluol | 1 | 1 |
| Transformer oil (®Univolt 36, Esso) | 1 | 1 |
| Tricholorethylene | 2 | 2 |
| Urine | 1 | 1 |
| Water, distilled | 1 | 1 |
| Xylol | 1 | 1 |

* Because of the acid or oxidizing nature of these chemicals, practical trials are recommended before prolonged contact with Rectus products.

The results were obtained using injection-moulded, 1 mm thick test samples after a test duration of 60 days. During this, the test samples were under the influence of no external tension.

# Resistance table for O-rings

1 = resistant
2 = limited resistance
3 = not resistant

| Chemicals | Seals | | |
|---|---|---|---|
| | NBR | EPDM | FKM |
| Acetone | 3 | 1 | 3 |
| Acetylene gas | 1 | 1 | 1 |
| Alcohol | 2 | 1 | 1 |
| Alkalis | 1 | 1 | 3 |
| Aluminium sulphate | 1 | 1 | 1 |
| Ammonia, liquid | 2 | 1 | 2 |
| Ammonium hydroxide | 1 | 1 | 3 |
| Aniline | 3 | 2 | 1 |
| Anol | 2 | 3 | 1 |
| Argon gas | 1 | 1 | 1 |
| ATE Brake fluid | 3 | 1 | 3 |
| Beer | 1 | 1 | 1 |
| Benzol | 2 | 3 | 1 |
| Borax | 1 | 1 | 1 |
| Boric acid | 1 | 1 | 1 |
| Brine lye | 3 | 3 | 1 |
| Butane gas | 1 | 2 | 1 |
| Butanone | 3 | 1 | 3 |
| Butyl benzoate | 3 | 1 | 1 |
| Camphor | 1 | 3 | 2 |
| Carbolic acid | 3 | 3 | 1 |
| Carbon dioxide | 1 | 1 | 1 |
| Carbonic acid gas | 1 | 1 | 1 |
| Caustic soda | 3 | 3 | 1 |
| Chlorine | 3 | 1 | 2 |
| Chromic acid | 3 | 2 | 1 |
| Citric acid | 2 | 1 | 1 |
| Citrus oils | 2 | 1 | 3 |
| Coal gas | 3 | 3 | 1 |
| Coconut oil | 1 | 3 | 1 |
| Coke oven gas | 1 | 3 | 3 |
| Cooling water | 2 | 1 | 1 |
| Cresol | 3 | 3 | 1 |
| Diesel oil | 1 | 3 | 1 |
| Dioxane | 3 | 2 | 3 |
| Diphenyl | 3 | 3 | 1 |
| Dodecanol | 2 | 2 | 2 |
| Ether | 1 | 2 | 2 |
| Ethyl alcohol | 2 | 1 | 1 |
| Ethyl alcohol | 2 | 1 | 2 |
| Ethylene gas | 1 | 3 | 1 |
| Fatty acids | 2 | 3 | 2 |
| Fish oil | 1 | 2 | 1 |
| Fluorine | 3 | 3 | 2 |
| Formaldehyde | 2 | 2 | 1 |
| Formic acid | 3 | 1 | 1 |
| Freon 11 | 1 | 3 | 2 |
| Freon 12 | 2 | 2 | 2 |
| Fuel oil | 1 | 3 | 1 |
| Gallic acid | 2 | 2 | 1 |
| Gasoline | 2 | 3 | 1 |
| Gear oil | 1 | 3 | 1 |
| Glucose | 1 | 1 | 1 |
| Glycerin | 1 | 1 | 1 |

| Chemicals | Seals | | |
|---|---|---|---|
| | NBR | EPDM | FKM |
| Glycol | 1 | 1 | 3 |
| Helium gas | 1 | 1 | 1 |
| Hexane | 1 | 3 | 1 |
| Hot air up to 120°C | 3 | 1 | 1 |
| Hot air up to 200°C | 3 | 3 | 1 |
| Hydraulic oil | 3 | 1 | 1 |
| Hydrocarbon | 1 | 3 | 1 |
| Hydrogen | 1 | 3 | 1 |
| Hydrogen cyanide | 2 | 2 | 1 |
| Hydrogen sulphide, dry | 3 | 2 | 1 |
| Hydrosulphide | 2 | 1 | 1 |
| Iodine, Iodine tincture | 2 | 2 | 1 |
| Iron chloride | 1 | 1 | 1 |
| Iron nitrate | 1 | 1 | 1 |
| Isooctane | 1 | 3 | 1 |
| Lanolin | 1 | 3 | 1 |
| Lead acetate | 1 | 2 | 1 |
| Linseed oil | 1 | 3 | 1 |
| Lubricating oil | 1 | 2 | 1 |
| Magnesium sulphate (Epsom salt) | 2 | 1 | 1 |
| Mains gas | 1 | 3 | 1 |
| Mercury (Hydrargyrum) | 1 | 1 | 1 |
| Methane gas | 2 | 3 | 1 |
| Methanol | 1 | 1 | 3 |
| Methy alcohol | 3 | 1 | 3 |
| Milk | 1 | 2 | 3 |
| Mine gas | 1 | 3 | 1 |
| Mineral oil | 1 | 3 | 3 |
| Mineral oil | 1 | 3 | 1 |
| Naphtalene (stone oil) | 3 | 3 | 1 |
| Natural gas | 1 | 2 | 1 |
| Nitric acid up to 35% | 3 | 1 | 2 |
| Nitrogen | 1 | 1 | 1 |
| Nitrous oxide (laughing gas) | 1 | 2 | 1 |
| Oxygen, cold | 2 | 1 | 1 |
| Pararffin | 1 | 3 | 1 |
| Petrol | 3 | 3 | 1 |
| Petroleum | 1 | 3 | 1 |
| Potash lye | 2 | 1 | 2 |
| Potassium cyanide | 3 | 1 | 1 |
| Potassium sulphate | 1 | 1 | 1 |
| Propane gas | 1 | 3 | 1 |
| Salt solutions | 1 | 3 | 3 |
| Seawater | 1 | 1 | 1 |
| Silicic acid | 1 | 1 | 1 |
| Sodium sulphide | 3 | 1 | 1 |
| Steam up to 150°C | 3 | 1 | 2 |
| Steam up to 250°C | 3 | FFKM | 2 |
| Synthetic resin thinner (no nitrosolvent) | 3 | 3 | 1 |
| Tar | 1 | 3 | 3 |
| Trichloroethylene | 3 | 3 | 2 |
| Urea | 1 | 1 | 1 |
| Varnish | 2 | 3 | 1 |
| Vinegar, acetic acid | 3 | 1 | 3 |
| Water above 80°C | 3 | 1 | 1 |
| Water up to 80°C | 1 | 1 | 1 |
| Water, demineralised | 3 | 1 | 3 |
| Water, distilled | 2 | 1 | 1 |
| Xylol | 3 | 3 | 2 |
| Yeast | 1 | 1 | 1 |

## Nominal Diameter

**5** = 20 mm²

## Rectus Series

**21**

**Technical Description**
Mini industrial coupling in plastics POM and PVDF with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media.
Coupling system with single-hand operation. This new type of plastic locking system with handy sleeve considerably expands the applications of this series. Two sleeve forms - tapered and cylindrical, where the tapered sleeve form facilitates handling with gloves. The color coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling.

**Working Temperature**
-20°C up to +80°C (POM)
-20°C up to +120°C (PVDF)
depending on the medium.

Other seal variants are available on request (FKM, EPDM, FFKM).

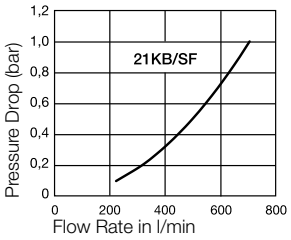
**Other designs in series 21**
The following other designs can be found from page:


➤ Brass / Steel P. 30
➤ Stainless Steel P. 192
➤ Medical Technology (MD) P. 256
➤ Safety P. 270
➤ Coded Systems P. 298

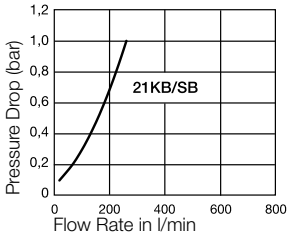

| RectuPOM | RectuChem |
|---|---|
| **Working Pressure**** | |
| 10 bar (POM, at 20°C)<br>** maximum static working pressure with design factor 4 to 1. | 8 bar (PVDF, at 20°C) |
| **Material** | |
| **Coupling:** POM black<br>**Plug:** POM black<br>**Seals:** NBR | **Coupling:** PVDF white<br>**Plug:** PVDF white<br>**Seals:** FKM |
| **Valve types** | |
| single shut-off | single shut-off |
| double shut-off | double shut-off |

**Flow diagrams**

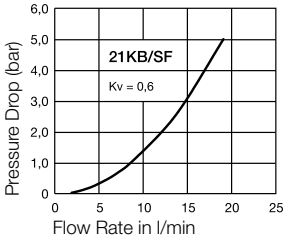
**Air**



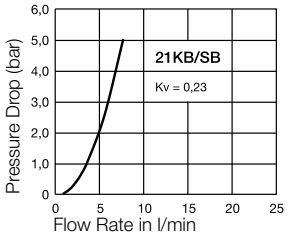

**Air**




**Water**

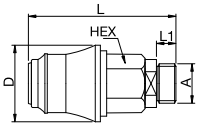
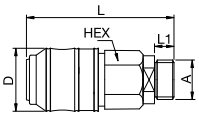
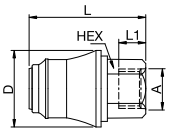
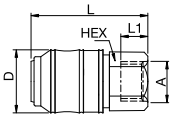
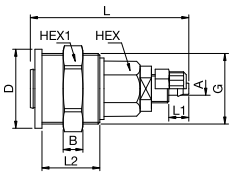



**Water**



# Couplings – with valve

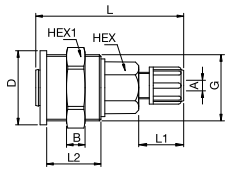
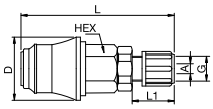
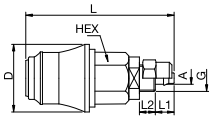
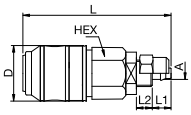
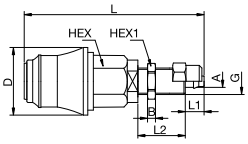
## Series 21KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Color Sleeve | Part Number POM | Part Number CHEM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread with tapered sleeve | G 1/8 | 17 | | 50 | 7 | | 25,5 | | | Standard | 21KBAW10DPX | 21KBAW10FVX |
| | G 1/4 | 17 | | 50 | 7 | | 25,5 | | | Standard | 21KBAW13DPX | 21KBAW13FVX |
|  Male Thread with cylindrical sleeve | G 1/8 | 17 | | 50 | 7 | | 21 | | | Standard | 21KBAW10DPXG | 21KBAW10FVXG |
| | G 1/8 | 17 | | 50 | 7 | | 21 | | | blue | 21KBAW10DPXGB | 21KBAW10FVXGB |
| | G 1/8 | 17 | | 50 | 7 | | 21 | | | green | 21KBAW10DPXGG | 21KBAW10FVXGG |
| | G 1/8 | 17 | | 50 | 7 | | 21 | | | red | 21KBAW10DPXGR | 21KBAW10FVXGR |
| | G 1/8 | 17 | | 50 | 7 | | 21 | | | yellow | 21KBAW10DPXGY | 21KBAW10FVXGY |
| | G 1/4 | 17 | | 50 | 7 | | 21 | | | Standard | 21KBAW13DPXG | 21KBAW13FVXG |
| | G 1/4 | 17 | | 50 | 7 | | 21 | | | blue | 21KBAW13DPXGB | 21KBAW13FVXGB |
| | G 1/4 | 17 | | 50 | 7 | | 21 | | | green | 21KBAW13DPXGG | 21KBAW13FVXGG |
| | G 1/4 | 17 | | 50 | 7 | | 21 | | | red | 21KBAW13DPXGR | 21KBAW13FVXGR |
| | G 1/4 | 17 | | 50 | 7 | | 21 | | | yellow | 21KBAW13DPXGY | 21KBAW13FVXGY |
|  Female Thread with tapered sleeve | G 1/8 | 17 | | 53 | 8 | | 25,5 | | | Standard | 21KBIW10DPX | 21KBIW10FVX |
| | G 1/4 | 17 | | 39 | 9 | | 25,5 | | | Standard | 21KBIW13DPX | 21KBIW13FVX |
|  Female Thread with cylindrical sleeve | G 1/8 | 17 | | 53 | 8 | | 21 | | | Standard | 21KBIW10DPXG | 21KBIW10FVXG |
| | G 1/8 | 17 | | 53 | 8 | | 21 | | | blue | 21KBIW10DPXGB | |
| | G 1/8 | 17 | | 53 | 8 | | 21 | | | green | 21KBIW10DPXGG | |
| | G 1/8 | 17 | | 53 | 8 | | 21 | | | red | 21KBIW10DPXGR | |
| | G 1/8 | 17 | | 53 | 8 | | 21 | | | yellow | 21KBIW10DPXGY | |
| | G 1/4 | 17 | | 39 | 9 | | 21 | | | Standard | 21KBIW13DPXG | 21KBIW13FVXG |
| | G 1/4 | 17 | | 39 | 9 | | 21 | | | blue | 21KBIW13DPXGB | 21KBIW13FVXGB |
| | G 1/4 | 17 | | 39 | 9 | | 21 | | | green | 21KBIW13DPXGG | 21KBIW13FVXGG |
| | G 1/4 | 17 | | 39 | 9 | | 21 | | | red | 21KBIW13DPXGR | 21KBIW13FVXGR |
| | G 1/4 | 17 | | 39 | 9 | | 21 | | | yellow | 21KBIW13DPXGY | 21KBIW13FVXGY |
|  Panel Mount for Plastic Hose Connection for Front Panel Installation | 4 x 6 mm | 17 | 27 | 56 | 7 | 20,5 | 28 | 7 | M 25 x 1 | Standard | 21KBKE06DPX | 21KBKE06FVX |
| | 6 x 8 mm | 17 | 27 | 56 | 7 | 20,5 | 28 | 7 | M 25 x 1 | Standard | 21KBKE08DPX | 21KBKE08FVX |

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

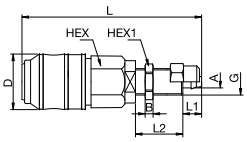
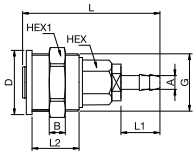
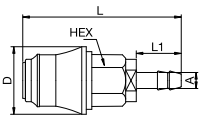
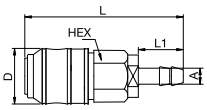
# Couplings – with valve

## Series 21KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Color Sleeve | Part Number POM | Part Number CHEM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  for PVDF- and PE-Hoses for Front Panel Installation | 4 x 6 mm | 17 | 27 | 62 | 7 | 20,5 | 28 | 7 | M 25 x 1 | Standard | | 21KBFR06FVX |
| | 6 x 8 mm | 17 | 27 | 66 | 7 | 20,5 | 28 | 7 | M 25 x 1 | Standard | | 21KBFR08FVX |
|  for PVDF- and PE-Hoses with tapered sleeve | 4 x 6 mm | 17 | | 62 | 17 | | 25,5 | | M 10 x 1 | Standard | | 21KBKP06FVX |
| | 6 x 8 mm | 17 | | 66 | 17 | | 25,5 | | M 12 x 1 | Standard | | 21KBKP08FVX |
|  with Plastic Hose Connection with tapered sleeve | 4 x 6 mm | 17 | | 56 | 6 | 7 | 25,5 | | M 10 x 1 | Standard | 21KBKO06DPX | 21KBKO06FVX |
| | 6 x 8 mm | 17 | | 56 | 6 | 7 | 25,5 | | M 12 x 1 | Standard | 21KBKO08DPX | 21KBKO08FVX |
|  with Plastic Hose Connection with cylindrical sleeve | 4 x 6 mm | 17 | | 56 | 6 | 7 | 21 | | | Standard | 21KBKO06DPXG | 21KBKO06FVXG |
| | 4 x 6 mm | 17 | | 56 | 6 | 7 | 21 | | | blue | 21KBKO06DPXGB | |
| | 4 x 6 mm | 17 | | 56 | 6 | 7 | 21 | | | green | 21KBKO06DPXGG | |
| | 4 x 6 mm | 17 | | 56 | 6 | 7 | 21 | | | red | 21KBKO06DPXGR | |
| | 4 x 6 mm | 17 | | 56 | 6 | 7 | 21 | | | yellow | 21KBKO06DPXGY | |
| | 6 x 8 mm | 17 | | 56 | 6 | 7 | 21 | | | Standard | 21KBKO08DPXG | 21KBKO08FVXG |
| | 6 x 8 mm | 17 | | 56 | 6 | 7 | 21 | | | blue | 21KBKO08DPXGB | |
| | 6 x 8 mm | 17 | | 56 | 6 | 7 | 21 | | | green | 21KBKO08DPXGG | |
| | 6 x 8 mm | 17 | | 56 | 6 | 7 | 21 | | | red | 21KBKO08DPXGR | |
| | 6 x 8 mm | 17 | | 56 | 6 | 7 | 21 | | | yellow | 21KBKO08DPXGY | |
|  Panel Mount with Plastic Hose Connection with tapered sleeve | 4 x 6 mm | 17 | 14 | 68 | 7 | 18 | 25,5 | 4 | M 10 x 1 | Standard | 21KBKS06DPX | 21KBKS06FVX |
| | 6 x 8 mm | 17 | 17 | 68 | 7 | 18 | 25,5 | 4 | M 12 x 1 | Standard | 21KBKS08DPX | 21KBKS08FVX |

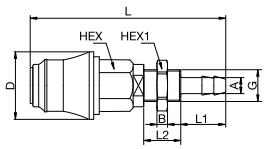
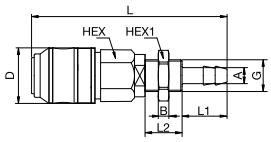
# Couplings – with valve



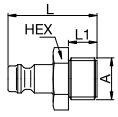
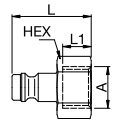
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Color Sleeve | Part Number POM | Part Number CHEM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Panel Mount with Plastic Hose Connection with cylindrical sleeve | 4 x 6 mm | 17 | 14 | 68 | 7 | 18 | 21 | 4 | M 10 x 1 | Standard | 21KBKS06DPXG | 21KBKS06FVXG |
| | 4 x 6 mm | 17 | 14 | 68 | 7 | 18 | 21 | 4 | M 10 x 1 | blue | 21KBKS06DPXGB | 21KBKS06FVXGB |
| | 4 x 6 mm | 17 | 14 | 68 | 7 | 18 | 21 | 4 | M 10 x 1 | green | 21KBKS06DPXGG | 21KBKS06FVXGG |
| | 4 x 6 mm | 17 | 14 | 68 | 7 | 18 | 21 | 4 | M 10 x 1 | red | 21KBKS06DPXGR | 21KBKS06FVXGR |
| | 4 x 6 mm | 17 | 14 | 68 | 7 | 18 | 21 | 4 | M 10 x 1 | yellow | 21KBKS06DPXGY | 21KBKS06FVXGY |
| | 6 x 8 mm | 17 | 17 | 68 | 7 | 18 | 21 | 4 | M 12 x 1 | Standard | 21KBKS08DPXG | 21KBKS08FVXG |
| | 6 x 8 mm | 17 | 17 | 68 | 7 | 18 | 21 | 4 | M 12 x 1 | blue | 21KBKS08DPXGB | |
| | 6 x 8 mm | 17 | 17 | 68 | 7 | 18 | 21 | 4 | M 12 x 1 | green | 21KBKS08DPXGG | |
| | 6 x 8 mm | 17 | 17 | 68 | 7 | 18 | 21 | 4 | M 12 x 1 | red | 21KBKS08DPXGR | |
| | 6 x 8 mm | 17 | 17 | 68 | 7 | 18 | 21 | 4 | M 12 x 1 | yellow | 21KBKS08DPXGY | |
|  Panel Mount for Hose Barb for Front Panel Installation | 4 mm | 17 | 27 | 60 | 17 | 20,5 | 28 | 7 | M 25 x 1 | Standard | 21KBTE04DPX | 21KBTE04FVX |
| | 6 mm | 17 | 27 | 60 | 17 | 20,5 | 28 | 7 | M 25 x 1 | Standard | 21KBTE06DPX | 21KBTE06FVX |
|  Hose Barb with tapered sleeve | 4 mm | 17 | | 60 | 17 | | 25,5 | | | Standard | 21KBTF04DPX | 21KBTF04FVX |
| | 6 mm | 17 | | 60 | 17 | | 25,5 | | | Standard | 21KBTF06DPX | 21KBTF06FVX |
|  Hose Barb with cylindrical sleeve | 4 mm | 17 | | 60 | 17 | | 21 | | | Standard | 21KBTF04DPXG | 21KBTF04FVXG |
| | 4 mm | 17 | | 60 | 17 | | 21 | | | blue | 21KBTF04DPXGB | 21KBTF04FVXGB |
| | 4 mm | 17 | | 60 | 17 | | 21 | | | green | 21KBTF04DPXGG | 21KBTF04FVXGG |
| | 4 mm | 17 | | 60 | 17 | | 21 | | | red | 21KBTF04DPXGR | 21KBTF04FVXGR |
| | 4 mm | 17 | | 60 | 17 | | 21 | | | yellow | 21KBTF04DPXGY | 21KBTF04FVXGY |
| | 6 mm | 17 | | 60 | 17 | | 21 | | | Standard | 21KBTF06DPXG | 21KBTF06FVXG |
| | 6 mm | 17 | | 60 | 17 | | 21 | | | blue | 21KBTF06DPXGB | 21KBTF06FVXGB |
| | 6 mm | 17 | | 60 | 17 | | 21 | | | green | 21KBTF06DPXGG | 21KBTF06FVXGG |
| | 6 mm | 17 | | 60 | 17 | | 21 | | | red | 21KBTF06DPXGR | 21KBTF06FVXGR |
| | 6 mm | 17 | | 60 | 17 | | 21 | | | yellow | 21KBTF06DPXGY | 21KBTF06FVXGY |

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

## Couplings – with valve — Series 21KB

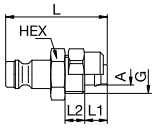
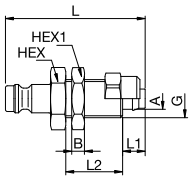
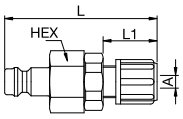
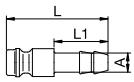
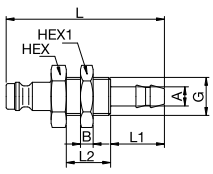
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Color Sleeve | Part Number POM | Part Number CHEM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Panel Mount with Hose Barb with tapered sleeve | 4 mm | 17 | 14 | 74 | 17 | 14 | 25,5 | 4 | M 10 x 1 | Standard | 21KBTS04DPX | 21KBTS04FVX |
| | 6 mm | 17 | 14 | 74 | 17 | 14 | 25,5 | 4 | M 10 x 1 | Standard | 21KBTS06DPX | 21KBTS06FVX |
|  Panel Mount with Hose Barb with cylindrical sleeve | 4 mm | 17 | 14 | 74 | 17 | 14 | 21 | 4 | M 10 x 1 | Standard | 21KBTS04DPXG | 21KBTS04FVXG |
| | 4 mm | 17 | 14 | 74 | 17 | 14 | 21 | 4 | M 10 x 1 | blue | 21KBTS04DPXGB | |
| | 4 mm | 17 | 14 | 74 | 17 | 14 | 21 | 4 | M 10 x 1 | green | 21KBTS04DPXGG | |
| | 4 mm | 17 | 14 | 74 | 17 | 14 | 21 | 4 | M 10 x 1 | red | 21KBTS04DPXGR | |
| | 4 mm | 17 | 14 | 74 | 17 | 14 | 21 | 4 | M 10 x 1 | yellow | 21KBTS04DPXGY | |
| | 6 mm | 17 | 17 | 74 | 17 | 14 | 21 | 4 | M 12 x 1 | Standard | 21KBTS06DPXG | 21KBTS06FVXG |
| | 6 mm | 17 | 17 | 74 | 17 | 14 | 21 | 4 | M 12 x 1 | blue | 21KBTS06DPXGB | |
| | 6 mm | 17 | 17 | 74 | 17 | 14 | 21 | 4 | M 12 x 1 | green | 21KBTS06DPXGG | |
| | 6 mm | 17 | 17 | 74 | 17 | 14 | 21 | 4 | M 12 x 1 | red | 21KBTS06DPXGR | |
| | 6 mm | 17 | 17 | 74 | 17 | 14 | 21 | 4 | M 12 x 1 | yellow | 21KBTS06DPXGY | |

## Plugs – without valve — Series 21SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Color Sleeve | Part Number POM | Part Number CHEM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 25 | 7 | | | | | Standard | 21SFAW10DXX | 21SFAW10FXX |
| | G 1/8 | 14 | | 25 | 7 | | | | | blue | | 21SFAW10FVXB |
| | G 1/8 | 14 | | 25 | 7 | | | | | green | | 21SFAW10FVXG |
| | G 1/8 | 14 | | 25 | 7 | | | | | red | | 21SFAW10FVXR |
| | G 1/8 | 14 | | 25 | 7 | | | | | yellow | | 21SFAW10FVXY |
| | G 1/4 | 17 | | 28 | 9 | | | | | Standard | 21SFAW13DXX | 21SFAW13FXX |
| | G 1/4 | 17 | | 28 | 9 | | | | | blue | 21SFAW13DPXB | |
| | G 1/4 | 17 | | 28 | 9 | | | | | green | 21SFAW13DPXG | |
| | G 1/4 | 17 | | 28 | 9 | | | | | red | 21SFAW13DPXR | |
| | G 1/4 | 17 | | 28 | 9 | | | | | yellow | 21SFAW13DPXY | |
|  Female Thread | G 1/8 | 14 | | 24 | 8 | | | | | Standard | 21SFIW10DXX | 21SFIW10FXX |
| | G 1/8 | 14 | | 24 | 8 | | | | | blue | | 21SFIW10FVXB |
| | G 1/8 | 14 | | 24 | 8 | | | | | green | | 21SFIW10FVXG |
| | G 1/8 | 14 | | 24 | 8 | | | | | red | | 21SFIW10FVXR |
| | G 1/8 | 14 | | 24 | 8 | | | | | yellow | | 21SFIW10FVXY |
| | G 1/4 | 17 | | 25 | 9 | | | | | Standard | 21SFIW13DXX | 21SFIW13FXX |
| | G 1/4 | 17 | | 25 | 9 | | | | | blue | | 21SFIW13FXXB |
| | G 1/4 | 17 | | 25 | 9 | | | | | green | | 21SFIW13FXXG |
| | G 1/4 | 17 | | 25 | 9 | | | | | red | | 21SFIW13FXXR |
| | G 1/4 | 17 | | 25 | 9 | | | | | yellow | | 21SFIW13FXXY |

# Plugs – without valve

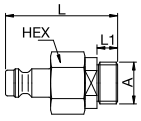
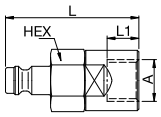
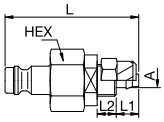
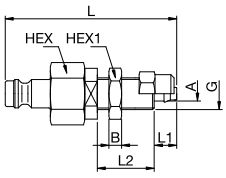


| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Color Sleeve | Part Number POM | Part Number CHEM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 4 x 6 mm | 14 | | 32 | 7 | 6 | | | M 10 x 1 | Standard | 21SFKO06DXX | 21SFKO06FXX |
| | 4 x 6 mm | 14 | | 32 | 7 | 6 | | | M 10 x 1 | blue | 21SFKO06DPXB | 21SFKO06FVXB |
| | 4 x 6 mm | 14 | | 32 | 7 | 6 | | | M 10 x 1 | green | 21SFKO06DPXG | 21SFKO06FVXG |
| | 4 x 6 mm | 14 | | 32 | 7 | 6 | | | M 10 x 1 | red | 21SFKO06DPXR | 21SFKO06FVXR |
| | 4 x 6 mm | 14 | | 32 | 7 | 6 | | | M 10 x 1 | yellow | 21SFKO06DPXY | 21SFKO06FVXY |
| with Plastic Hose Connection | 6 x 8 mm | 14 | | 32 | 7 | 6 | | | M 12 x 1 | Standard | 21SFKO08DXX | 21SFKO08FXX |
| | | | | | | | | | | | | |
|  | 4 x 6 mm | 14 | 14 | 44 | 7 | 18 | | 4 | M 10 x 1 | Standard | 21SFKS06DXX | 21SFKS06FXX |
| | 4 x 6 mm | 14 | 14 | 44 | 7 | 18 | | 4 | M 10 x 1 | blue | 21SFKS06DPXB | |
| | 4 x 6 mm | 14 | 14 | 44 | 7 | 18 | | 4 | M 10 x 1 | green | 21SFKS06DPXG | |
| | 4 x 6 mm | 14 | 14 | 44 | 7 | 18 | | 4 | M 10 x 1 | red | 21SFKS06DPXR | |
| | 4 x 6 mm | 14 | 14 | 44 | 7 | 18 | | 4 | M 10 x 1 | yellow | 21SFKS06DPXY | |
| Panel Mount with Plastic Hose Connection | 6 x 8 mm | 14 | 14 | 44 | 7 | 18 | | 4 | M 12 x 1 | Standard | 21SFKS08DXX | 21SFKS08FXX |
| | | | | | | | | | | | | |
|  | 4 x 6 mm | 17 | | 48 | 28 | | | | | Standard | | 21SFKP06FVX |
| | 4 x 6 mm | 17 | | 48 | 28 | | | | | blue | | 21SFKP06FVXB |
| | 4 x 6 mm | 17 | | 48 | 28 | | | | | green | | 21SFKP06FVXG |
| | 4 x 6 mm | 17 | | 48 | 28 | | | | | red | | 21SFKP06FVXR |
| | 4 x 6 mm | 17 | | 48 | 28 | | | | | yellow | | 21SFKP06FVXY |
| | 6 x 8 mm | 17 | | 52 | 28 | | | | | Standard | | 21SFKP08FVX |
| | 6 x 8 mm | 17 | | 52 | 28 | | | | | blue | | 21SFKP08FVXB |
| for PVDF- and PE-Hoses | 6 x 8 mm | 17 | | 52 | 28 | | | | | green | | 21SFKP08FVXG |
| | 6 x 8 mm | 17 | | 52 | 28 | | | | | red | | 21SFKP08FVXR |
| | 6 x 8 mm | 17 | | 52 | 28 | | | | | yellow | | 21SFKP08FVXY |
| | | | | | | | | | | | | |
| | 4 mm | | | 32 | 17 | | | | | Standard | 21SFTF04DXX | 21SFTF04FXX |
| | 4 mm | | | 32 | 17 | | | | | blue | 21SFTF04DPXB | |
| | 4 mm | | | 32 | 17 | | | | | green | 21SFTF04DPXG | |
| | 4 mm | | | 32 | 17 | | | | | red | 21SFTF04DPXR | |
|  | 4 mm | | | 32 | 17 | | | | | yellow | 21SFTF04DPXY | |
| | 6 mm | | | 32 | 17 | | | | | Standard | 21SFTF06DXX | 21SFTF06FXX |
| | 6 mm | | | 32 | 17 | | | | | blue | 21SFTF06DPXB | 21SFTF06FVXB |
| Hose Barb | 6 mm | | | 32 | 17 | | | | | green | 21SFTF06DPXG | 21SFTF06FVXG |
| | 6 mm | | | 32 | 17 | | | | | red | 21SFTF06DPXR | 21SFTF06FVXR |
| | 6 mm | | | 32 | 17 | | | | | yellow | 21SFTF06DPXY | 21SFTF06FVXY |
| | | | | | | | | | | | | |
|  | 4 mm | 14 | 14 | 50 | 17 | 14 | | 4 | M 10 x 1 | Standard | 21SFTS04DXX | 21SFTS04FXX |
| | 4 mm | 14 | 14 | 50 | 17 | 14 | | 4 | M 10 x 1 | blue | | 21SFTS04FVXB |
| | 4 mm | 14 | 14 | 50 | 17 | 14 | | 4 | M 10 x 1 | green | | 21SFTS04FVXG |
| | 4 mm | 14 | 14 | 50 | 17 | 14 | | 4 | M 10 x 1 | red | | 21SFTS04FVXR |
| | 4 mm | 14 | 14 | 50 | 17 | 14 | | 4 | M 10 x 1 | yellow | | 21SFTS04FVXY |
| Panel Mount with Hose Barb | 6 mm | 14 | 17 | 50 | 17 | 14 | | 4 | M 12 x 1 | Standard | 21SFTS06DXX | 21SFTS06FXX |
| | | | | | | | | | | | | |

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

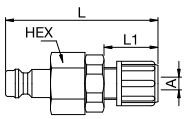
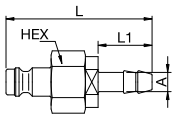
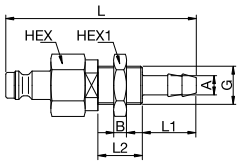
# Plugs – with valve

## Series 21KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Color Sleeve | Part Number POM | Part Number CHEM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 17 | | 36 | 7 | | | | | Standard | 21SBAW10DPX | 21SBAW10FVX |
| | G 1/8 | 17 | | 36 | 7 | | | | | blue | 21SBAW10DPXB | 21SBAW10FVXB |
| | G 1/8 | 17 | | 36 | 7 | | | | | green | 21SBAW10DPXG | 21SBAW10FVXG |
| | G 1/8 | 17 | | 36 | 7 | | | | | red | 21SBAW10DPXR | 21SBAW10FVXR |
| | G 1/8 | 17 | | 36 | 7 | | | | | yellow | 21SBAW10DPXY | 21SBAW10FVXY |
| | G 1/4 | 17 | | 38 | 7 | | | | | Standard | 21SBAW13DPX | 21SBAW13FVX |
| | G 1/4 | 17 | | 38 | 7 | | | | | blue | 21SBAW13DPXB | 21SBAW13FVXB |
| | G 1/4 | 17 | | 38 | 7 | | | | | green | 21SBAW13DPXG | 21SBAW13FVXG |
| | G 1/4 | 17 | | 38 | 7 | | | | | red | 21SBAW13DPXR | 21SBAW13FVXR |
| | G 1/4 | 17 | | 38 | 7 | | | | | yellow | 21SBAW13DPXY | 21SBAW13FVXY |
| | | | | | | | | | | | | |
|  Female Thread | G 1/8 | 17 | | 39 | 8 | | | | | Standard | 21SBIW10DPX | 21SBIW10FVX |
| | G 1/8 | 17 | | 39 | 8 | | | | | blue | 21SBIW10DPXB | |
| | G 1/8 | 17 | | 39 | 8 | | | | | green | 21SBIW10DPXG | |
| | G 1/8 | 17 | | 39 | 8 | | | | | red | 21SBIW10DPXR | |
| | G 1/8 | 17 | | 39 | 8 | | | | | yellow | 21SBIW10DPXY | |
| | G 1/4 | 17 | | 42 | 10 | | | | | Standard | 21SBIW13DPX | 21SBIW13FVX |
| | G 1/4 | 17 | | 42 | 10 | | | | | blue | 21SBIW13DPXB | |
| | G 1/4 | 17 | | 42 | 10 | | | | | green | 21SBIW13DPXG | |
| | G 1/4 | 17 | | 42 | 10 | | | | | red | 21SBIW13DPXR | |
| | G 1/4 | 17 | | 42 | 10 | | | | | yellow | 21SBIW13DPXY | |
| | | | | | | | | | | | | |
|  with Plastic Hose Connection | 4 x 6 mm | 17 | | 42 | 7 | 6 | | | | Standard | 21SBKO06DPX | 21SBKO06FVX |
| | 6 x 8 mm | 17 | | 42 | 7 | 6 | | | | Standard | 21SBKO08DPX | 21SBKO08FVX |
| | 6 x 8 mm | 17 | | 42 | 7 | 6 | | | | blue | 21SBKO08DPXB | 21SBKO08FVXB |
| | 6 x 8 mm | 17 | | 42 | 7 | 6 | | | | green | 21SBKO08DPXG | 21SBKO08FVXG |
| | 6 x 8 mm | 17 | | 42 | 7 | 6 | | | | red | 21SBKO08DPXR | 21SBKO08FVXR |
| | 6 x 8 mm | 17 | | 42 | 7 | 6 | | | | yellow | 21SBKO08DPXY | 21SBKO08FVXY |
| | | | | | | | | | | | | |
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 17 | 14 | 54 | 7 | 18 | | 4 | M 10 x 1 | Standard | 21SBKS06DPX | 21SBKS06FVX |
| | 4 x 6 mm | 17 | 14 | 54 | 7 | 18 | | 4 | M 10 x 1 | blue | 21SBKS06DPXB | 21SBKS06FVXB |
| | 4 x 6 mm | 17 | 14 | 54 | 7 | 18 | | 4 | M 10 x 1 | green | 21SBKS06DPXG | 21SBKS06FVXG |
| | 4 x 6 mm | 17 | 14 | 54 | 7 | 18 | | 4 | M 10 x 1 | red | 21SBKS06DPXR | 21SBKS06FVXR |
| | 4 x 6 mm | 17 | 14 | 54 | 7 | 18 | | 4 | M 10 x 1 | yellow | 21SBKS06DPXY | 21SBKS06FVXY |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | | 4 | M 12 x 1 | Standard | 21SBKS08DPX | 21SBKS08FVX |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | | 4 | M 12 x 1 | blue | | 21SBKS08FVXB |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | | 4 | M 12 x 1 | green | | 21SBKS08FVXG |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | | 4 | M 12 x 1 | red | | 21SBKS08FVXR |
| | 6 x 8 mm | 17 | 17 | 54 | 7 | 18 | | 4 | M 12 x 1 | yellow | | 21SBKS08FVXY |
| | | | | | | | | | | | | |

# Plugs – with valve

## Series 21KB

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Color Sleeve | Part Number POM | Part Number CHEM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Panel Mount for PVDF- and PE-Hoses | 4 x 6 mm | 17 | | 48 | 28 | | | | | Standard | | 21SBKP06FVX |
| | 4 x 6 mm | 17 | | 48 | 28 | | | | | blue | | 21SBKP06FVXB |
| | 4 x 6 mm | 17 | | 48 | 28 | | | | | green | | 21SBKP06FVXG |
| | 4 x 6 mm | 17 | | 48 | 28 | | | | | red | | 21SBKP06FVXR |
| | 4 x 6 mm | 17 | | 48 | 28 | | | | | yellow | | 21SBKP06FVXY |
| | 6 x 8 mm | 17 | | 52 | 28 | | | | | Standard | | 21SBKP08FVX |
| | | | | | | | | | | | | |
|  Hose Barb | 4 mm | 17 | | 46 | 17 | | | | | Standard | 21SBTF04DPX | 21SBTF04FVX |
| | 4 mm | 17 | | 46 | 17 | | | | | blue | 21SBTF04DPXB | |
| | 4 mm | 17 | | 46 | 17 | | | | | green | 21SBTF04DPXG | |
| | 4 mm | 17 | | 46 | 17 | | | | | red | 21SBTF04DPXR | |
| | 6 mm | 17 | | 46 | 17 | | | | | Standard | | 21SBTF06FVX |
| | 6 mm | 17 | | 46 | 17 | | | | | blue | 21SBTF06DPXB | 21SBTF06FVXB |
| | 6 mm | 17 | | 46 | 17 | | | | | green | 21SBTF06DPXG | 21SBTF06FVXG |
| | 6 mm | 17 | | 46 | 17 | | | | | red | 21SBTF06DPXR | 21SBTF06FVXR |
| | 6 mm | 17 | | 46 | 17 | | | | | yellow | 21SBTF06DPXY | 21SBTF06FVXY |
| | | | | | | | | | | | | |
|  Panel Mount with Hose Barb | 4 mm | 17 | 14 | 60 | 7 | 14 | | 4 | M 10 x 1 | Standard | 21SBTS04DPX | 21SBTS04FVX |
| | 4 mm | 17 | 14 | 60 | 7 | 14 | | 4 | M 10 x 1 | blue | 21SBTS04DPXB | 21SBTS04FVXB |
| | 4 mm | 17 | 14 | 60 | 7 | 14 | | 4 | M 10 x 1 | green | 21SBTS04DPXG | 21SBTS04FVXG |
| | 4 mm | 17 | 14 | 60 | 7 | 14 | | 4 | M 10 x 1 | red | 21SBTS04DPXR | 21SBTS04FVXR |
| | 4 mm | 17 | 14 | 60 | 7 | 14 | | 4 | M 10 x 1 | yellow | 21SBTS04DPXY | 21SBTS04FVXY |
| | 6 mm | 17 | 17 | 60 | 7 | 14 | | 4 | M 12 x 1 | Standard | 21SBTS06DPX | 21SBTS06FVX |
| | 6 mm | 17 | 17 | 60 | 7 | 14 | | 4 | M 12 x 1 | blue | 21SBTS06DPXB | 21SBTS06FVXB |
| | 6 mm | 17 | 17 | 60 | 7 | 14 | | 4 | M 12 x 1 | green | 21SBTS06DPXG | 21SBTS06FVXG |
| | 6 mm | 17 | 17 | 60 | 7 | 14 | | 4 | M 12 x 1 | red | 21SBTS06DPXR | 21SBTS06FVXR |
| | 6 mm | 17 | 17 | 60 | 7 | 14 | | 4 | M 12 x 1 | yellow | 21SBTS06DPXY | 21SBTS06FVXY |
| | | | | | | | | | | | | |

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

## Nominal Diameter

# 7 = 38 mm²

## Rectus Series

# 48

**Technische Informationen**
Coupling series made of POM and PVDF has been developed for use in the medical, chemical, food handling, pharmaceutical and laboratory technology industries. The system is also available in a solid plastic design (RectuChem+). Here the metal springs are replaced by springs made of PEEK, an extremely resistant synthetic material.
Coupling system with single-hand operation. The color coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling. The coupling is also available with no valve for a straight-through system.

**Working Temperature**
-20°C up to +80°C (POM)
-20°C up to +120°C (PVDF)
depending on the medium.

Other seal variants are available on request (FKM, EPDM, FFKM).

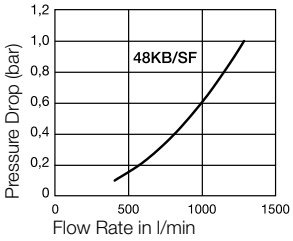
**Other designs in series 48**
The following other designs can be found from page:

➤ Medical Technology (BT-Serie) P. 268

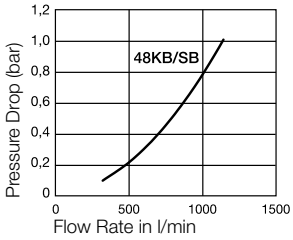
| RectuPOM | RectuChem | RectuChem+ |
|---|---|---|
| **Working Pressure**** | | |
| 0-10 bar (POM, at 20°C)<br>** maximum static working pressure with design factor 4 to 1. | 0-8 bar (PVDF, with metal springs) | 1-8 bar (PVDF, with PEEK-spring) |
| **Material** | | |
| **Coupling:** POM black<br>**Plug:** POM black<br>**Seals:** NBR | **Coupling:** PVDF white<br>**Plug:** PVDF white<br>**Seals:** FKM | **Coupling:** PVDF white, PEEK-spring<br>**Plug:** PVDF white, PEEK-spring<br>**Seals:** FKM |
| **Valve types** | | |
| single shut-off | single shut-off | |
| double shut-off | double shut-off | double shut-off |

## Flow diagrams

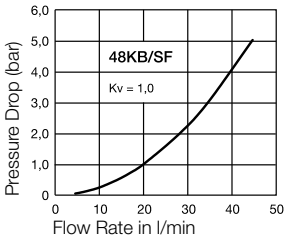
**Air**



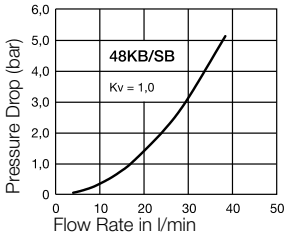

**Air**




**Water**

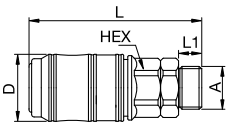
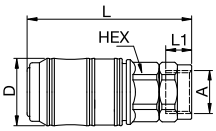
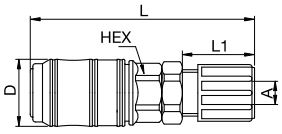



**Water**



# Couplings – with valve

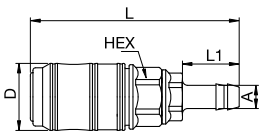
## Series 48KB

| | Connection A | HEX mm | L mm | L1 mm | D mm | Color Sleeve | Part Number POM | Part Number CHEM | Part Number CHEM+ |
|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 21 | 70,5 | 9 | 26 | Standard | 48KBAW13DPX | 48KBAW13FVX | 48KBAW13FVP |
| | G 1/4 | 21 | 70,5 | 9 | 26 | blue | 48KBAW13DPXB | 48KBAW13FVXB | |
| | G 1/4 | 21 | 70,5 | 9 | 26 | green | 48KBAW13DPXG | 48KBAW13FVXG | |
| | G 1/4 | 21 | 70,5 | 9 | 26 | red | 48KBAW13DPXR | 48KBAW13FVXR | |
| | G 1/4 | 21 | 70,5 | 9 | 26 | yellow | 48KBAW13DPXY | 48KBAW13FVXY | |
| | G 3/8 | 21 | 67 | 9 | 26 | Standard | 48KBAW17DPX | 48KBAW17FVX | 48KBAW17FVP |
| | G 3/8 | 21 | 67 | 9 | 26 | blue | 48KBAW17DPXB | 48KBAW17FVXB | 48KBAW17FVPB |
| | G 3/8 | 21 | 67 | 9 | 26 | green | 48KBAW17DPXG | 48KBAW17FVXG | 48KBAW17FVPG |
| | G 3/8 | 21 | 67 | 9 | 26 | red | 48KBAW17DPXR | 48KBAW17FVXR | 48KBAW17FVPR |
| | G 3/8 | 21 | 67 | 9 | 26 | yellow | 48KBAW17DPXY | 48KBAW17FVXY | 48KBAW17FVPY |
| | G 1/2 | 21 | 73,5 | 12 | 26 | Standard | 48KBAW21DPX | 48KBAW21FVX | 48KBAW21FVP |
| | G 1/2 | 21 | 73,5 | 12 | 26 | blue | 48KBAW21DPXB | 48KBAW21FVXB | |
| | G 1/2 | 21 | 73,5 | 12 | 26 | green | 48KBAW21DPXG | 48KBAW21FVXG | |
| | G 1/2 | 21 | 73,5 | 12 | 26 | red | 48KBAW21DPXR | 48KBAW21FVXR | |
| | G 1/2 | 21 | 73,5 | 12 | 26 | yellow | 48KBAW21DPXY | 48KBAW21FVXY | |
| | | | | | | | | | |
|  Female Thread | G 1/4 | 21 | 63,5 | 10 | 26 | Standard | 48KBIW13DPX | 48KBIW13FVX | 48KBIW13FVP |
| | G 1/4 | 21 | 63,5 | 10 | 26 | blue | 48KBIW13DPXB | 48KBIW13FVXB | 48KBIW13FVPB |
| | G 1/4 | 21 | 63,5 | 10 | 26 | green | 48KBIW13DPXG | 48KBIW13FVXG | 48KBIW13FVPG |
| | G 1/4 | 21 | 63,5 | 10 | 26 | red | 48KBIW13DPXR | 48KBIW13FVXR | 48KBIW13FVPR |
| | G 1/4 | 21 | 63,5 | 10 | 26 | yellow | 48KBIW13DPXY | 48KBIW13FVXY | 48KBIW13FVPY |
| | G 3/8 | 21 | 63,5 | 13 | 26 | Standard | 48KBIW17DPX | 48KBIW17FVX | 48KBIW17FVP |
| | G 3/8 | 21 | 63,5 | 13 | 26 | blue | 48KBIW17DPXB | 48KBIW17FVXB | |
| | G 3/8 | 21 | 63,5 | 13 | 26 | green | 48KBIW17DPXG | 48KBIW17FVXG | |
| | G 3/8 | 21 | 63,5 | 13 | 26 | red | 48KBIW17DPXR | 48KBIW17FVXR | |
| | G 3/8 | 21 | 63,5 | 13 | 26 | yellow | 48KBIW17DPXY | 48KBIW17FVXY | |
| | G 1/2 | 21 | 74,5 | 13 | 26 | Standard | 48KBIW21DPX | 48KBIW21FVX | 48KBIW21FVP |
| | G 1/2 | 21 | 74,5 | 13 | 26 | blue | 48KBIW21DPXB | 48KBIW21FVXB | |
| | G 1/2 | 21 | 74,5 | 13 | 26 | green | 48KBIW21DPXG | 48KBIW21FVXG | |
| | G 1/2 | 21 | 74,5 | 13 | 26 | red | 48KBIW21DPXR | 48KBIW21FVXR | |
| | G 1/2 | 21 | 74,5 | 13 | 26 | yellow | 48KBIW21DPXY | 48KBIW21FVXY | |
| | | | | | | | | | |
|  for PVDF- and PE-Hoses | 6 x 8 mm | 21 | 80 | 21 | 26 | Standard | | 48KBKP08FVX | 48KBKP08FVP |
| | 9 x 12 mm | 21 | 87 | 28 | 26 | Standard | | 48KBKP12FVX | 48KBKP12FVP |
| | 10 x 12 mm | 21 | 87 | 28 | 26 | Standard | | 48KBKP12FVXS | 48KBKP12FVPS |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

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

# Couplings – with valve

## Series 48KB

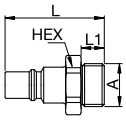
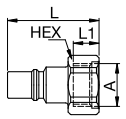
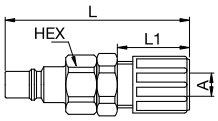
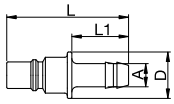



Hose Barb

| Connection A | HEX mm | L mm | L1 mm | D mm | Color Sleeve | Part Number POM | Part Number CHEM | Part Number CHEM+ |
|---|---|---|---|---|---|---|---|---|
| 6 mm | 21 | 81 | 22 | 26 | Standard | 48KBTF06DPX | 48KBTF06FVX | 48KBTF06FVP |
| 6 mm | 21 | 81 | 22 | 26 | blue | 48KBTF06DPXB | 48KBTF06FVXB | 48KBTF06FVPB |
| 6 mm | 21 | 81 | 22 | 26 | green | 48KBTF06DPXG | 48KBTF06FVXG | 48KBTF06FVPG |
| 6 mm | 21 | 81 | 22 | 26 | red | 48KBTF06DPXR | 48KBTF06FVXR | 48KBTF06FVPR |
| 6 mm | 21 | 81 | 22 | 26 | yellow | 48KBTF06DPXY | 48KBTF06FVXY | 48KBTF06FVPY |
| 9 mm | 21 | 81 | 22 | 26 | Standard | 48KBTF09DPX | 48KBTF09FVX | 48KBTF09FVP |
| 9 mm | 21 | 81 | 22 | 26 | blue | 48KBTF09DPXB | 48KBTF09FVXB | 48KBTF09FVPB |
| 9 mm | 21 | 81 | 22 | 26 | green | 48KBTF09DPXG | 48KBTF09FVXG | 48KBTF09FVPG |
| 9 mm | 21 | 81 | 22 | 26 | red | 48KBTF09DPXR | 48KBTF09FVXR | 48KBTF09FVPR |
| 9 mm | 21 | 81 | 22 | 26 | yellow | 48KBTF09DPXY | 48KBTF09FVXY | 48KBTF09FVPY |
| 13 mm | 21 | 84 | 25 | 26 | Standard | 48KBTF13DPX | 48KBTF13FVX | 48KBTF13FVP |
| 13 mm | 21 | 84 | 25 | 26 | blue | 48KBTF13DPXB | 48KBTF13FVXB | |
| 13 mm | 21 | 84 | 25 | 26 | green | 48KBTF13DPXG | 48KBTF13FVXG | |
| 13 mm | 21 | 84 | 25 | 26 | red | 48KBTF13DPXR | 48KBTF13FVXR | |
| 13 mm | 21 | 84 | 25 | 26 | yellow | 48KBTF13DPXY | 48KBTF13FVXY | |

# Plugs – without valve

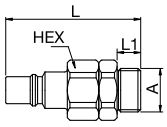
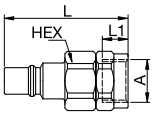
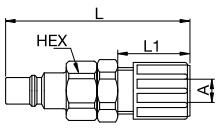
## Series 48SF

| | Connection A | HEX mm | L mm | L1 mm | D mm | Color Sleeve | Part Number POM | Part Number CHEM | Part Number CHEM+ |
|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 17 | 38,5 | 9 | | Standard | 48SFAW13DXX | 48SFAW13FXX | |
| | G 3/8 | 21 | 38,5 | 9 | | Standard | 48SFAW17DXX | 48SFAW17FXX | |
| | G 3/8 | 21 | 38,5 | 9 | | blue | | 48SFAW17FVXB | |
| | G 3/8 | 21 | 38,5 | 9 | | green | | 48SFAW17FVXG | |
| | G 3/8 | 21 | 38,5 | 9 | | red | | 48SFAW17FVXR | |
| | G 3/8 | 21 | 38,5 | 9 | | yellow | | 48SFAW17FVXY | |
| | G 1/2 | 21 | 41,5 | 12 | | Standard | 48SFAW21DXX | 48SFAW21FXX | |
| | | | | | | | | | |
|  Female Thread | G 1/4 | 17 | 35,5 | 9 | | Standard | 48SFIW13DXX | 48SFIW13FXX | |
| | G 1/4 | 17 | 35,5 | 9 | | blue | 48SFIW13DPXB | | |
| | G 1/4 | 17 | 35,5 | 9 | | green | 48SFIW13DPXG | | |
| | G 1/4 | 17 | 35,5 | 9 | | red | 48SFIW13DPXR | | |
| | G 1/4 | 17 | 35,5 | 9 | | yellow | 48SFIW13DPXY | | |
| | G 3/8 | 21 | 35,5 | 10 | | Standard | 48SFIW17DXX | 48SFIW17FXX | |
| | G 3/8 | 21 | 35,5 | 10 | | blue | 48SFIW17DXXB | 48SFIW17FXXB | |
| | G 3/8 | 21 | 35,5 | 10 | | green | 48SFIW17DXXG | 48SFIW17FXXG | |
| | G 3/8 | 21 | 35,5 | 10 | | red | 48SFIW17DXXR | 48SFIW17FXXR | |
| | G 3/8 | 21 | 35,5 | 10 | | yellow | 48SFIW17DXXY | 48SFIW17FXXY | |
| | G 1/2 | 24 | 59 | 13 | | Standard | 48SFIW21DXX | 48SFIW21FXX | |
| | | | | | | | | | |
|  for PVDF- and PE-Hoses | 6 x 8 mm | 21 | 64,5 | 21 | | Standard | | 48SFKP08FVX | |
| | 9 x 12 mm | 21 | 71,5 | 28 | | Standard | | 48SFKP12FVX | |
| | 10 x 12 mm | 21 | 71,5 | 28 | | Standard | | 48SFKP12FVXS | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
|  Hose Barb | 6 mm | | 47 | 22 | 18 | Standard | 48SFTF06DXX | 48SFTF06FXX | |
| | 6 mm | | 47 | 22 | 18 | blue | | 48SFTF06FVXB | |
| | 6 mm | | 47 | 22 | 18 | green | | 48SFTF06FVXG | |
| | 6 mm | | 47 | 22 | 18 | red | | 48SFTF06FVXR | |
| | 6 mm | | 47 | 22 | 18 | yellow | | 48SFTF06FVXY | |
| | 9 mm | | 47 | 22 | 18 | Standard | 48SFTF09DXX | 48SFTF09FXX | |
| | 9 mm | | 47 | 22 | 18 | blue | 48SFTF09DPXB | 48SFTF09FVXB | |
| | 9 mm | | 47 | 22 | 18 | green | 48SFTF09DPXG | 48SFTF09FVXG | |
| | 9 mm | | 47 | 22 | 18 | red | 48SFTF09DPXR | 48SFTF09FVXR | |
| | 9 mm | | 47 | 22 | 18 | yellow | 48SFTF09DPXY | 48SFTF09FVXY | |
| | 13 mm | | 50 | 25 | 18 | Standard | 48SFTF13DXX | 48SFTF13FXX | |
| | | | | | | | | | |

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

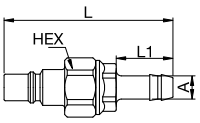
# Plugs – with valve

## Series 48SB

| | Connection A | HEX mm | L mm | L1 mm | D mm | Color Sleeve | Part Number POM | Part Number CHEM | Part Number CHEM+ |
|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 21 | 55 | 9 | | Standard | 48SBAW13DPX | 48SBAW13FVX | 48SBAW13FVP |
| | G 1/4 | 21 | 55 | 9 | | blue | 48SBAW13DPXB | 48SBAW13FVXB | 48SBAW13FVPB |
| | G 1/4 | 21 | 55 | 9 | | green | 48SBAW13DPXG | 48SBAW13FVXG | 48SBAW13FVPG |
| | G 1/4 | 21 | 55 | 9 | | red | 48SBAW13DPXR | 48SBAW13FVXR | 48SBAW13FVPR |
| | G 1/4 | 21 | 55 | 9 | | yellow | 48SBAW13DPXY | 48SBAW13FVXY | 48SBAW13FVPY |
| | G 3/8 | 21 | 51,5 | 9 | | Standard | 48SBAW17DPX | 48SBAW17FVX | 48SBAW17FVP |
| | G 3/8 | 21 | 51,5 | 9 | | blue | 48SBAW17DPXB | 48SBAW17FVXB | 48SBAW17FVPB |
| | G 3/8 | 21 | 51,5 | 9 | | green | 48SBAW17DPXG | 48SBAW17FVXG | 48SBAW17FVPG |
| | G 3/8 | 21 | 51,5 | 9 | | red | 48SBAW17DPXR | 48SBAW17FVXR | 48SBAW17FVPR |
| | G 3/8 | 21 | 51,5 | 9 | | yellow | 48SBAW17DPXY | 48SBAW17FVXY | 48SBAW17FVPY |
| | G 1/2 | 21 | 58 | 12 | | Standard | 48SBAW21DPX | 48SBAW21FVX | 48SBAW21FVP |
| | G 1/2 | 21 | 58 | 12 | | blue | 48SBAW21DPXB | 48SBAW21FVXB | |
| | G 1/2 | 21 | 58 | 12 | | green | 48SBAW21DPXG | 48SBAW21FVXG | |
| | G 1/2 | 21 | 58 | 12 | | red | 48SBAW21DPXR | 48SBAW21FVXR | |
| | G 1/2 | 21 | 58 | 12 | | yellow | 48SBAW21DPXY | 48SBAW21FVXY | |
| | | | | | | | | | |
|  Female Thread | G 1/4 | 21 | 48 | 10 | | Standard | 48SBIW13DPX | 48SBIW13FVX | 48SBIW13FVP |
| | G 1/4 | 21 | 48 | 10 | | blue | 48SBIW13DPXB | | |
| | G 1/4 | 21 | 48 | 10 | | green | 48SBIW13DPXG | | |
| | G 1/4 | 21 | 48 | 10 | | red | 48SBIW13DPXR | | |
| | G 1/4 | 21 | 48 | 10 | | yellow | 48SBIW13DPXY | | |
| | G 3/8 | 21 | 48 | 10 | | Standard | 48SBIW17DPX | 48SBIW17FVX | 48SBIW17FVP |
| | G 3/8 | 21 | 48 | 10 | | blue | 48SBIW17DPXB | 48SBIW17FVXB | |
| | G 3/8 | 21 | 48 | 10 | | green | 48SBIW17DPXG | 48SBIW17FVXG | |
| | G 3/8 | 21 | 48 | 10 | | red | 48SBIW17DPXR | 48SBIW17FVXR | |
| | G 3/8 | 21 | 48 | 10 | | yellow | 48SBIW17DPXY | 48SBIW17FVXY | |
| | G 1/2 | 21 | 59 | 13 | | Standard | 48SBIW21DPX | 48SBIW21FVX | 48SBIW21FVP |
| | G 1/2 | 21 | 59 | 13 | | blue | 48SBIW21DPXB | 48SBIW21FVXB | |
| | G 1/2 | 21 | 59 | 13 | | green | 48SBIW21DPXG | 48SBIW21FVXG | |
| | G 1/2 | 21 | 59 | 13 | | red | 48SBIW21DPXR | 48SBIW21FVXR | |
| | G 1/2 | 21 | 59 | 13 | | yellow | 48SBIW21DPXY | 48SBIW21FVXY | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
|  for PVDF- and PE-Hoses | 6 x 8 mm | 21 | 64,5 | 21 | | Standard | | 48SBKP08FVX | 48SBKP08FVP |
| | 9 x 12 mm | 21 | 71,5 | 28 | | Standard | | 48SBKP12FVX | 48SBKP12FVP |
| | 10 x 12 mm | 21 | 71,5 | 28 | | Standard | | 48SBKP12FVXS | 48SBKP12FVPS |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

# Plugs – with valve

## Series 48SB




Hose Barb

| Connection A | HEX mm | L mm | L1 mm | D mm | Color Sleeve | Part Number POM | Part Number CHEM | Part Number CHEM+ |
|---|---|---|---|---|---|---|---|---|
| 6 mm | 21 | 65,5 | 22 | | Standard | 48SBTF06DPX | 48SBTF06FVX | 48SBTF06FVP |
| 6 mm | 21 | 65,5 | 22 | | blue | | 48SBF06FVXB | |
| 6 mm | 21 | 65,5 | 22 | | green | | 48SBTF06FVXG | |
| 6 mm | 21 | 65,5 | 22 | | red | | 48SBTF06FVXR | |
| 6 mm | 21 | 65,5 | 22 | | yellow | | 48SBTF06FVXY | |
| 9 mm | 21 | 65,5 | 22 | | Standard | 48SBTF09DPX | 48SBTF09FVX | 48SBTF09FVP |
| 9 mm | 21 | 65,5 | 22 | | blue | 48SBTF09DPXB | 48SBTF09FVXB | |
| 9 mm | 21 | 65,5 | 22 | | green | 48SBTF09DPXG | 48SBTF09FVXG | |
| 9 mm | 21 | 65,5 | 22 | | red | 48SBTF09DPXR | 48SBTF09FVXR | |
| 9 mm | 21 | 65,5 | 22 | | yellow | 48SBTF09DPXY | 48SBTF09FVXY | |
| 13 mm | 21 | 68,5 | 25 | | Standard | 48SBTF13DPX | 48SBTF13FVX | 48SBTF13FVP |
| 13 mm | 21 | 68,5 | 25 | | blue | 48SBTF13DPXB | 48SBTF13FVXB | |
| 13 mm | 21 | 68,5 | 25 | | green | 48SBTF13DPXG | 48SBTF13FVXG | |
| 13 mm | 21 | 68,5 | 25 | | red | 48SBTF13DPXR | 48SBTF13FVXR | |
| 13 mm | 21 | 68,5 | 25 | | yellow | 48SBTF13DPXY | 48SBTF13FVXY | |

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

## Nominal Diameter
# 4,3 - 30

## Rectus Series
# 70

**Other designs in series 70**
The following other designs can be found from page:

➤ Brass / Steel P. 174
➤ Stainless Steel P. 224

**Technical Description**
Coupling range in sizes from 1/8" to 1 1/2" with plug profile in accordance with ISO 7241-1 series B. Particularly suitable for use with liquid media.
Coupling system with two-hand operation, i.e. the locking sleeve must be pushed back manually when coupling. The coupling range stands out for its high flow rates against a low pressure drop. 1 1/2" design (series 77) with locking pin and EPDM seal.

**Working Temperature***
-20°C up to +90°C (NBR)
-40°C up to +90°C (EPDM)
depending on the medium.

* For temperatures below -20°C and over +90°C and depending on the medium, other seal variants (FKM, FFKM) are available.

**KB** Double Shut-Off

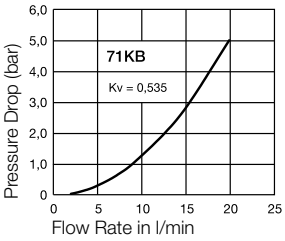
**Working Pressure****
see chart
** maximum static working pressure with design factor 4 to 1.

**Material**
**Coupling:** POM white
**Plug:** POM white
**Seals:** NBR

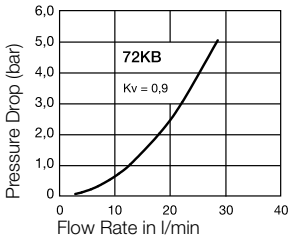
**Interchangeability**
• ISO 7241-1 Series B

**Flow diagrams Water**

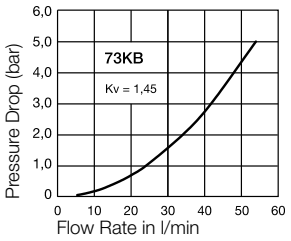
**71KB - 1/8"**



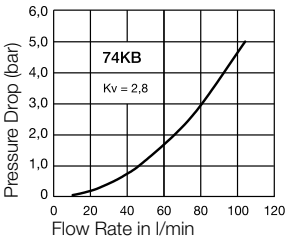

**72KB - 1/4"**



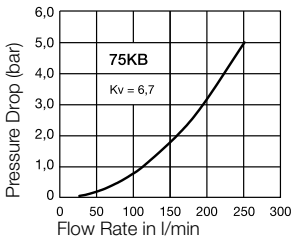

**73KB - 3/8"**



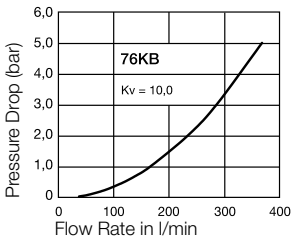

**74KB - 1/2"**



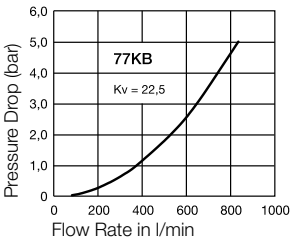

**75KB - 3/4"**



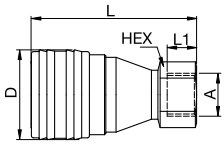

**76KB - 1"**




**77KB - 1 1/2"**



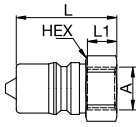
## Couplings – with valve — Series 70KB




Female Thread

| Size | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | Working Pressure max. / bar | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/8" | G 1/8 | 14 | | 48,5 | 7 | | 24,5 | | 15 | 71KBIW10DPX |
| 1/4" | G 1/4 | 19 | | 57,5 | 10 | | 28,5 | | 15 | 72KBIW13DPX |
| 3/8" | G 3/8 | 22 | | 64 | 11,5 | | 35 | | 15 | 73KBIW17DPX |
| 1/2" | G 1/2 | 27 | | 76 | 16 | | 44,5 | | 10 | 74KBIW21DPX |
| 3/4" | G 3/4 | 34 | | 96 | 24 | | 55 | | 10 | 75KBIW26DPX |
| 1" | G 1 | 41 | | 105,5 | 24 | | 62 | | 10 | 76KBIW33DPX |
| 1 1/2" | G 1 1/2 | 60 | | 133 | 23 | | 76 | | 10 | 77KBIW48DEXS |

## Plugs – with valve — Series 70KB




Female Thread

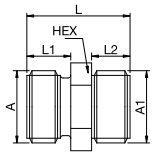
| Size | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | Working Pressure max. / bar | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 1/8" | G 1/8 | 14 | | 29,5 | 7 | | | | 15 | 71SBIW10DPX |
| 1/4" | G 1/4 | 19 | | 35 | 10 | | | | 15 | 72SBIW13DPX |
| 3/8" | G 3/8 | 22 | | 39 | 11,5 | | | | 15 | 73SBIW17DPX |
| 1/2" | G 1/2 | 27 | | 48 | 16 | | | | 10 | 74SBIW21DPX |
| 3/4" | G 3/4 | 36 | | 60 | 24 | | | | 10 | 75SBIW26DPX |
| 1" | G 1 | 41 | | 56 | 24 | | | | 10 | 76SBIW33DPX |
| 1 1/2" | G 1 1/2 | 60 | | 132 | 23 | | | | 10 | 77SBIW48DEX |

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

Accessories

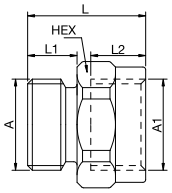
# Plastic fittings

## Male x Male Nipple



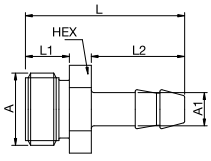

| Connection A | Connection A1 | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | B mm | G mm | POM design Part Number | CHEM design Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | G 1/8 | 14 | | 19 | 8 | 7 | | | | DN13/10DX | DN13/10FX |
| G 1/4 | G 1/4 | 14 | | 19 | 8 | 7 | | | | DN13/13DX | DN13/13FX |
| G 3/8 | G 1/4 | 17 | | 28,5 | 9 | 9 | | | | DN17/13DX | DN17/13FX |
| G 3/8 | G 3/8 | 21 | | 25 | 9 | 9 | | | | DN17/17DX | DN17/17FX |
| G 3/8 | G 1/2 | 21 | | 31,5 | 9 | 12 | | | | DN17/21DX | DN17/21FX |

## Reducing Bush



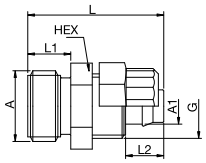

| Connection A | Connection A1 | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | B mm | G mm | POM design Part Number | CHEM design Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | G 1/8 | 14 | | 22 | 8 | 8 | | | | RL13/10DX | RL13/10FX |
| G 1/4 | G 1/4 | 17 | | 25 | 8 | 10 | | | | RL13/13DX | RL13/13FX |
| G 3/8 | G 1/4 | 17 | | 21,5 | 9 | 10 | | | | RL17/13DX | RL17/13FX |
| G 3/8 | G 3/8 | 21 | | 21,5 | 9 | 10 | | | | RL17/17DX | RL17/17FX |
| G 3/8 | G 1/2 | 17 | | 32,5 | 9 | 13 | | | | RL17/21DX | RL17/21FX |

## Hose Tail Barb



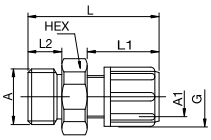

| Connection A | Connection A1 | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | B mm | G mm | POM design Part Number | CHEM design Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 4 mm | 14 | | 29 | 8 | 17 | | | | GT13/04DX | GT13/04FX |
| G 1/4 | 6 mm | 14 | | 29 | 8 | 17 | | | | GT13/06DX | GT13/06FX |
| G 3/8 | 6 mm | 17 | | 39 | 9 | 22 | | | | GT17/06DX | GT17/06FX |
| G 3/8 | 9 mm | 17 | | 39 | 9 | 22 | | | | GT17/09DX | GT17/09FX |
| G 3/8 | 10 mm | 17 | | 39 | 9 | 22 | | | | GT17/10DX | |
| G 3/8 | 13 mm | 17 | | 42 | 9 | 25 | | | | GT17/13DX | GT17/13FX |

## Plastic Screw Connector




| Connection A | Connection A1 | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | B mm | G mm | POM design Part Number | CHEM design Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 4 x 6 mm | 14 | | 25 | 8 | 13 | | | M 10 x 1 | EV13/06DX | EV13/06FX |
| G 1/4 | 6 x 8 mm | 14 | | 25 | 8 | 13 | | | M 12 x 1 | EV13/08DX | EV13/08FX |

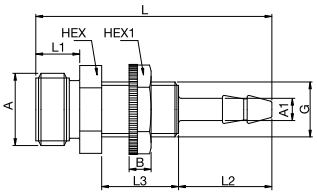
## Fitting for hard plastic hoses




for hard plastic hoses in PVDF or PE

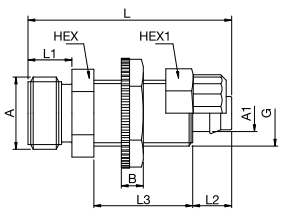
| Connection A | Connection A1 | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | B mm | G mm | POM design Part Number | CHEM design Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 4 x 6 mm | 17 | | 31 | 17 | 8 | | | M 10 x 1 | | EV13/06FX04 |
| G 1/4 | 6 x 8 mm | 17 | | 35 | 21 | 8 | | | M 12 x 1 | | EV13/08FX06 |
| G 3/8 | 6 x 8 mm | 22 | | 38 | 21 | 9 | | | M 12 x 1 | | EV17/08FX06 |
| G 3/8 | 9 x 12 mm | 22 | | 45 | 28 | 9 | | | M 12 x 1 | | EV17/12FX09 |
| G 3/8 | 10 x 12 mm | 22 | | 45 | 28 | 9 | | | M 12 x 1 | | EV17/12FX10 |

## Panel Mount, Standard Hose Connection




| Connection A | Connection A1 | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | B mm | G mm | POM design Part Number | CHEM design Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 4 mm | 14 | 14 | 43 | 7 | 8 | 14 | 4 | M 10 x 1 | ET13/04DX | ET13/04FX |
| G 1/4 | 6 mm | 14 | 17 | 43 | 8 | 8 | 14 | 4 | M 12 x 1 | ET13/06DX | ET13/06FX |

## Panel Mount, Plastic Hose Connection




| Connection A | Connection A1 | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | B mm | G mm | POM design Part Number | CHEM design Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 | 4 x 6 mm | 14 | 14 | 37 | 7 | 8 | 18 | 4 | M 10 x 1 | EK13/06DX | EK13/06FX |
| G 1/4 | 6 x 8 mm | 14 | 17 | 37 | 8 | 8 | 18 | 4 | M 12 x 1 | EK13/08DX | EK13/08FX |

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

**Nominal Diameter**

# 2,7 = 6 mm²

**Rectus Series**

# NP

**Technical Description**
Mini medical coupling. Notable for low weight, small package size and numerous application options with various media. Frequently used for non-invasive blood pressure measurement devices, medical device technology and chemistry/pharmacy. The main components are molded in a clean room from virgin transparent USP Class VI acetal (POM). Coupling system with single-hand operation. Audible click to indicate a secure connection. Ergonomic sleeve for easy operation with gloves.

**Working Temperature**
-20°C up to +80°C

**KF** Straight-Through

## Working Pressure**

0-4,5 bar
** maximum static working pressure with design factor 4 to 1.

## Material

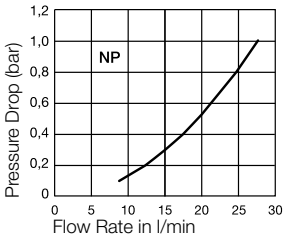
**Coupling:** Acetal (POM), natural color, USP Class VI
**Plug:** Acetal (POM), natural color, USP Class VI
**Seals:** EPDM USP Class VI

## Interchangeability

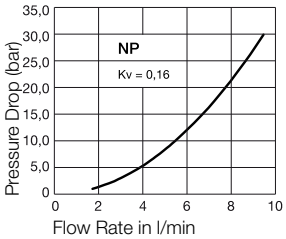
- Rectus 20

## Flow diagrams

**Air**



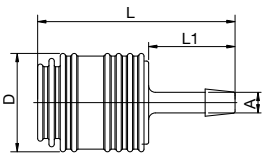

**Water**




**Other designs in series 20**
The following other designs can be found from page:

➤ Brass / Steel P. 20
➤ Stainless Steel P. 180

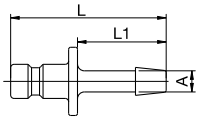
## Couplings – without valve — Series NP




Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 mm | | | 29,7 | 13 | | | 14,8 | | | | | NP-M33-M3HB |
| 4 mm | | | 29,7 | 13 | | | 14,8 | | | | | NP-M33-M4HB |
| 5 mm | | | 29,7 | 13 | | | 14,8 | | | | | NP-M33-M5HB |

## Plugs – without valve — Series NP




Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 mm | | | 22,8 | 13 | | | | | | | | NP-M34-M3HB |
| 4 mm | | | 22,8 | 13 | | | | | | | | NP-M34-M4HB |
| 5 mm | | | 22,8 | 13 | | | | | | | | NP-M34-M5HB |

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

**Nominal Diameter**

**3** = 7 mm²

**Rectus Series**

# PPM

**Technical Description**
Plastic coupling in nominal diameter 3 mm. The system is particularly suited to use with weak alkalis and acids. The coupling stands out for its light weight and intuitive operation. Secure sealing is indicated by an audible click.

**Working Temperature**
-40°C up to +82°C

## KF Straight-Through

**Working Pressure****

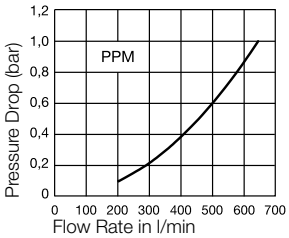
0-8 bar
** maximum static working pressure with design factor 4 to 1.

**Material**

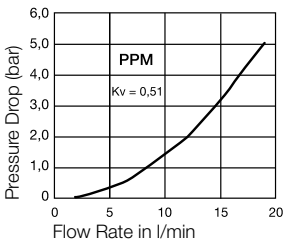
**Coupling:** Acetal (POM), natural color, USP Class VI
**Plug:** Acetal (POM), natural color, USP Class VI
**Seals:** FDA Buna-N

**Flow diagrams**

**Air**




**Water**

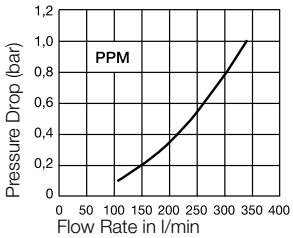



## KA Single Shut-Off

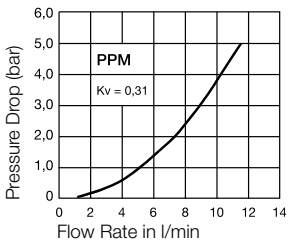
0-8 bar

**Coupling:** Acetal (POM), natural color, USP Class VI
**Plug:** Acetal (POM), natural color, USP Class VI
**Seals:** FDA Buna-N

**Air**




**Water**

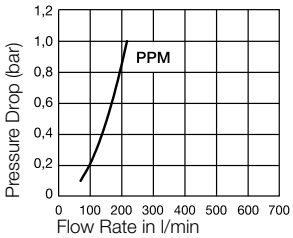



## KB Double Shut-Off

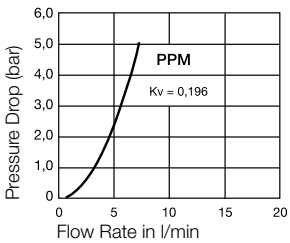
0-8 bar

**Coupling:** Acetal (POM), natural color, USP Class VI
**Plug:** Acetal (POM), natural color, USP Class VI
**Seals:** FDA Buna-N

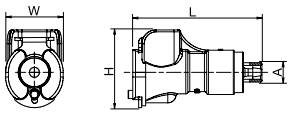
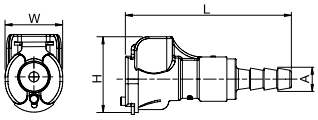
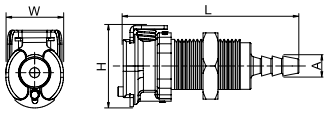
**Air**



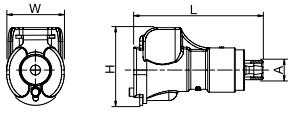
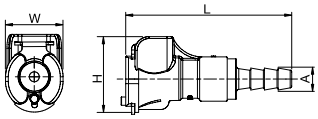
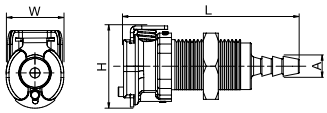

**Water**



## Couplings – without valve — Series PPM

| | Connection A | HEX mm | W mm | L mm | L1 mm | L2 mm | L3 mm | H mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | 1/8" BSPT | | 15,7 | 25,4 | | | | 20,3 | | | | | PPM-123-2MBT |
| | 1/4" BSPT | | 15,7 | 27,9 | | | | 20,3 | | | | | PPM-123-4MBT |
|  Hose Barb | 3,2 mm | | 15,7 | 41,9 | | | | 20,3 | | | | | PPM-123-2HB |
| | 4,8 mm | | 15,7 | 43,7 | | | | 20,3 | | | | | PPM-123-3HB |
| | 6,0 mm | | 15,7 | 45,7 | | | | 20,3 | | | | | PPM-123-4HB |
|  Panel Mount with Hose Barb | 6,0 mm | | 15,7 | 45,7 | | | | 20,3 | | | | | PPM-123-H4HB |

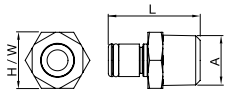
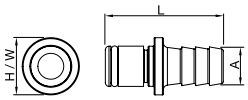
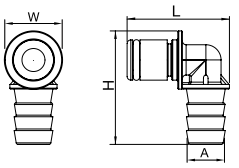
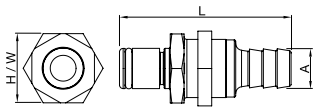
## Couplings – with valve — Series PPM

| | Connection A | HEX mm | W mm | L mm | L1 mm | L2 mm | L3 mm | H mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | 1/8" BSPT | | 15,7 | 25,4 | | | | 20,3 | | | | | PPM-121-2MBT |
| | 1/4" BSPT | | 15,7 | 27,9 | | | | 20,3 | | | | | PPM-121-4MBT |
|  Hose Barb | 3,2 mm | | 15,7 | 41,9 | | | | 20,3 | | | | | PPM-121-2HB |
| | 4,8 mm | | 15,7 | 43,7 | | | | 20,3 | | | | | PPM-121-3HB |
| | 6,0 mm | | 15,7 | 45,7 | | | | 20,3 | | | | | PPM-121-4HB |
|  Panel Mount with Hose Barb | 1,6 mm | | 15,7 | 38,1 | | | | 20,3 | | | | | PPM-121-H1HB |
| | 3,2 mm | | 15,7 | 41,9 | | | | 20,3 | | | | | PPM-121-H2HB |
| | 4,8 mm | | 15,7 | 43,7 | | | | 20,3 | | | | | PPM-121-H3HB |
| | 6,0 mm | | 15,7 | 45,7 | | | | 20,3 | | | | | PPM-121-H4HB |

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

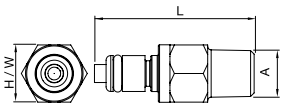
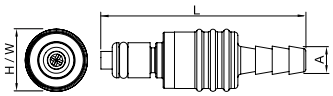
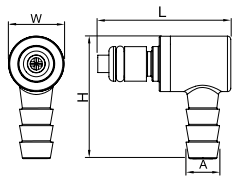
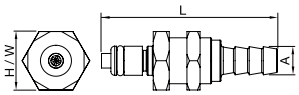
# Plugs – without valve

## Series PPM

| | Connection A | HEX mm | W mm | L mm | L1 mm | L2 mm | L3 mm | H mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | 1/8" BSPT | | 12,4 | 26,2 | | | | 12,4 | | | | | PPM-124-2MBT |
| | 1/4" BSPT | | 14,2 | 28,7 | | | | 14,2 | | | | | PPM-124-4MBT |
|  Hose Barb | 3,2 mm | | 12,7 | 24,6 | | | | 12,7 | | | | | PPM-124-2HB |
| | 4,8 mm | | 12,7 | 26,4 | | | | 12,7 | | | | | PPM-124-3HB |
| | 6,0 mm | | 12,7 | 28,4 | | | | 12,7 | | | | | PPM-124-4HB |
|  Hose Barb 90° | 3,2 mm | | 12,7 | 30,2 | | | | 24,1 | | | | | PPM-124-C2HB |
| | 6,0 mm | | 12,7 | 30,2 | | | | 27,9 | | | | | PPM-124-C4HB |
|  Panel Mount with Hose Barb | 1,6 mm | | 15,7 | 37,3 | | | | 15,7 | | | | | PPM-124-H1HB |
| | 3,2 mm | | 15,7 | 41,1 | | | | 15,7 | | | | | PPM-124-H2HB |
| | 4,8 mm | | 15,7 | 42,9 | | | | 15,7 | | | | | PPM-124-H3HB |
| | 6,0 mm | | 15,7 | 44,7 | | | | 15,7 | | | | | PPM-124-H4HB |

# Plugs – with valve



| | Connection A | HEX mm | W mm | L mm | L1 mm | L2 mm | L3 mm | H mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | 1/8" BSPT | | 12,7 | 34,5 | | | | 12,7 | | | | | PPM-122-2MBT |
| | 1/4" BSPT | | 14,2 | 35,3 | | | | 14,2 | | | | | PPM-122-4MBT |
|  Hose Barb | 3,2 mm | | 14,0 | 41,9 | | | | 14,0 | | | | | PPM-122-2HB |
| | 4,8 mm | | 14,0 | 43,7 | | | | 14,0 | | | | | PPM-122-3HB |
| | 6,0 mm | | 14,0 | 45,7 | | | | 14,0 | | | | | PPM-122-4HB |
|  Hose Barb 90° | 3,2 mm | | 12,7 | 30,2 | | | | 24,1 | | | | | PPM-122-C2HB |
| | 6,0 mm | | 12,7 | 30,2 | | | | 27,9 | | | | | PPM-122-C4HB |
|  Panel Mount with Hose Barb | 3,2 mm | | 15,7 | 43,9 | | | | 15,7 | | | | | PPM-122-H2HB |
| | 6,0 mm | | 15,7 | 47,5 | | | | 15,7 | | | | | PPM-122-H4HB |

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

## Nominal Diameter

**5** = 20 mm²

## Rectus Series

# MD

**Technical Description**
Coupling for the medical field in POM of USP class VI with the world's most popular profile in this nominal diameter. Above average flow performance for liquid and gaseous media.
Coupling system with single-hand operation. The new type of plastic locking system with handy sleeve considerably expands the applications. The color and mechanical coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling. The coupling is also available straight-through (with no valve).

**Working Temperature**
-20°C up to +80°C

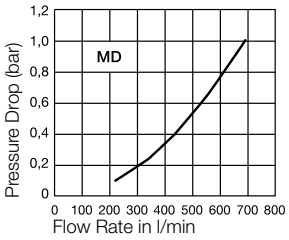
**Other designs in series 21**
The following other designs can be found from page:


- ➤ Brass / Steel P. 30
- ➤ Stainless Steel P. 192
- ➤ Thermoplastic P. 232
- ➤ Safety P. 270
- ➤ Coded Systems P. 298

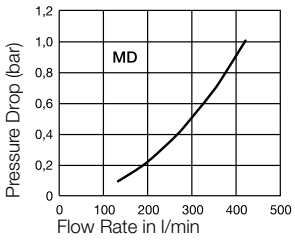

| KA Single Shut-Off | KB Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 0-10 bar<br>** maximum static working pressure with design factor 4 to 1. | 0-10 bar |
| **Material** | |
| **Coupling:** POM, USP Class VI, white<br>**Plug:** POM, USP Class VI, white<br>**Seals:** EPDM USP Class VI | **Coupling:** POM, USP Class VI, white<br>**Plug:** POM, USP Class VI, white<br>**Seals:** EPDM USP Class VI |
| **Interchangeability** | |
| • Rectus 21 | |

**Flow diagrams**

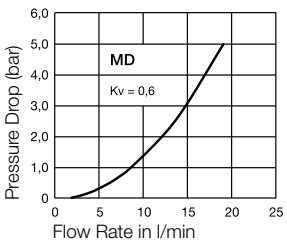
**Air**



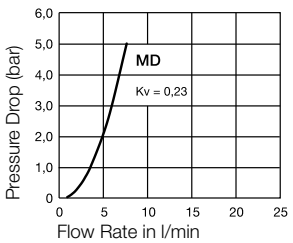

**Air**




**Water**

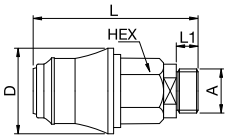
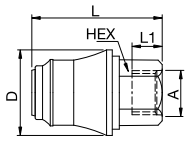
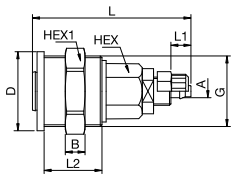
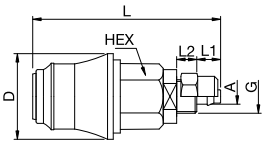
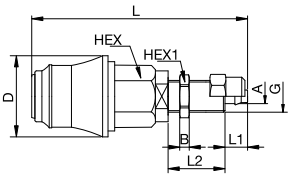
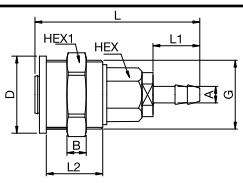



**Water**



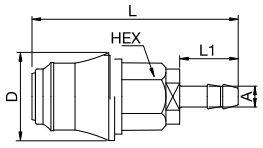
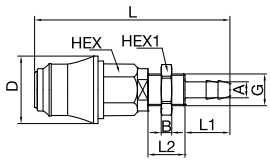
# Couplings – with valve



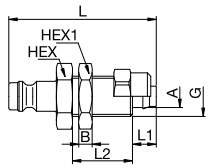
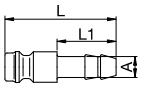
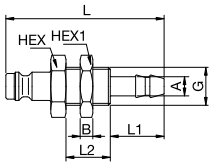
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 17 | | 50 | 7 | | | 25,5 | | | | | MD-M51-2MB |
| | G 1/4 | 17 | | 50 | 7 | | | 25,5 | | | | | MD-M51-4MB |
|  Female Thread | G 1/8 | 17 | | 50 | 8 | | | 25,5 | | | | | MD-M51-2FB |
| | G 1/4 | 17 | | 50 | 9 | | | 25,5 | | | | | MD-M51-4FB |
|  Plastic Hose Connection, Flush Mount | 4 x 6 mm | 17 | 27 | 56 | 7 | 20,5 | | 28 | 7 | M 25 x 1 | | | MD-M51-QM6CSP |
| | 6 x 8 mm | 17 | 27 | 56 | 7 | 20,5 | | 28 | 7 | M 25 x 1 | | | MD-M51-QM8CSP |
|  with Plastic Hose Connection | 4 x 6 mm | 17 | | 56 | 7 | 6 | | 25,5 | | M 10 x 1 | | | MD-M51-M6CSP |
| | 6 x 8 mm | 17 | | 56 | 7 | 6 | | 25,5 | | M 12 x 1 | | | MD-M51-M8CSP |
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 17 | 14 | 68 | 7 | 18 | | 25,5 | 4 | M 10 x 1 | | | MD-M51-HM6CSP |
| | 6 x 8 mm | 17 | 17 | 68 | 7 | 18 | | 25,5 | 4 | M 12 x 1 | | | MD-M51-HM8CSP |
|  Hose Barb, Flush Mount | 4 mm | 17 | 27 | 60 | 17 | 20,5 | | 28 | 7 | M 25 x 1 | | | MD-M51-QM4HB |
| | 6 mm | 17 | 27 | 60 | 17 | 20,5 | | 28 | 7 | M 25 x 1 | | | MD-M51-QM6HB |

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

## Couplings – with valve — Series MD

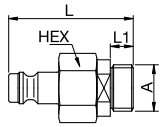
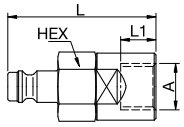
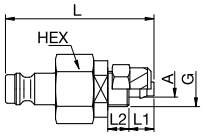
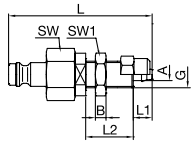
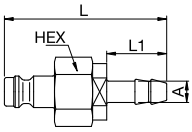
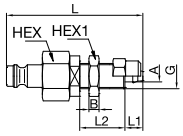
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Hose Barb | 4 mm | 17 | | 60 | 17 | | | 25,5 | | | | | MD-M51-M4HB |
| | 6 mm | 17 | | 60 | 17 | | | 25,5 | | | | | MD-M51-M6HB |
|  Panel Mount with Hose Barb | 4 mm | 17 | 14 | 74 | 17 | 14 | | 25,5 | 4 | M 10 x 1 | | | MD-M51-HM4HB |
| | 6 mm | 17 | 17 | 74 | 17 | 14 | | 25,5 | 4 | M 12 x 1 | | | MD-M51-HM6HB |

## Plugs – without valve — Series MD

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 14 | 14 | 44 | 7 | 18 | | | 4 | M 10 x 1 | | | MD-M54-HM6CSP |
| | 6 x 8 mm | 14 | 14 | 44 | 7 | 18 | | | 4 | M 12 x 1 | | | MD-M54-HM8CSP |
| | 4 mm | | | 32 | 17 | | | | | | | | MD-M54-M4HB |
| | 6 mm | | | 32 | 17 | | | | | | | | MD-M54-M6HB |
|  Hose Barb | | | | | | | | | | | | | |
| | 4 x 6 mm | 14 | 14 | 50 | 17 | 14 | | | 4 | M 10 x 1 | | | MD-M54-HM4HB |
| | 6 x 8 mm | 14 | 17 | 50 | 17 | 14 | | | 4 | M 12 x 1 | | | MD-M54-HM6HB |
|  Panel Mount with Hose Barb | | | | | | | | | | | | | |

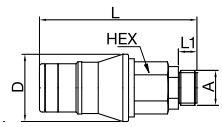
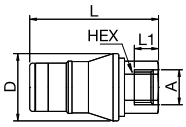
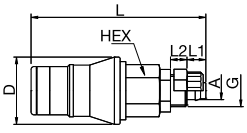
# Plugs – with valve



| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 17 | | 36 | 7 | | | | | | | | MD-M52-2MB |
| | G 1/4 | 17 | | 38 | 7 | | | | | | | | MD-M52-4MB |
|  Female Thread | G 1/8 | 17 | | 39 | 8 | | | | | | | | MD-M52-2FB |
| | G 1/4 | 17 | | 42 | 10 | | | | | | | | MD-M52-4FB |
|  with Plastic Hose Connection | 4 x 6 mm | 17 | | 42 | 7 | 6 | | | | M 10 x 1 | | | MD-M52-M6CSP |
| | 6 x 8 mm | 17 | | 42 | 7 | 6 | | | | M 12 x 1 | | | MD-M52-M8CSP |
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 17 | | 48 | 7 | 18 | | | 4 | M 10 x 1 | | | MD-M52-HM6CSP |
| | 6 x 8 mm | 17 | | 52 | 7 | 18 | | | 4 | M 12 x 1 | | | MD-M52-HM8CSP |
|  Hose Barb | 4 mm | 17 | | 46 | 17 | | | | | | | | MD-M52-M4HB |
| | 6 mm | 17 | | 46 | 17 | | | | | | | | MD-M52-M6HB |
|  Panel Mount with Hose Barb | 4 mm | 17 | 14 | 60 | 17 | 14 | | | 4 | M 10 x 1 | | | MD-M52-HM4HB |
| | 6 mm | 17 | 17 | 60 | 17 | 14 | | | 4 | M 12 x 1 | | | MD-M52-HM6HB |

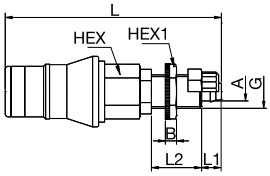
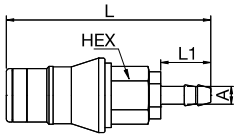
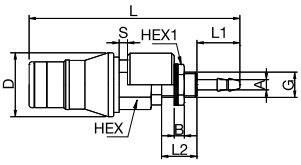
# Couplings – with valve

## Series MD coded

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 17 | | 59,5 | 7 | | | 25,5 | | | | green - 0 | MD-M51-2MB-K0 |
| | G 1/8 | 17 | | 59,5 | 7 | | | 25,5 | | | | black - 2 | MD-M51-2MB-K2 |
| | G 1/8 | 17 | | 59,5 | 7 | | | 25,5 | | | | brown - 3 | MD-M51-2MB-K3 |
| | G 1/8 | 17 | | 59,5 | 7 | | | 25,5 | | | | yellow - 5 | MD-M51-2MB-K5 |
| | G 1/8 | 17 | | 59,5 | 7 | | | 25,5 | | | | blue - 6 | MD-M51-2MB-K6 |
| | G 1/8 | 17 | | 59,5 | 7 | | | 25,5 | | | | red - 8 | MD-M51-2MB-K8 |
| | G 1/4 | 17 | | 59,5 | 7 | | | 25,5 | | | | green - 0 | MD-M51-4MB-K0 |
| | G 1/4 | 17 | | 59,5 | 7 | | | 25,5 | | | | black - 2 | MD-M51-4MB-K2 |
| | G 1/4 | 17 | | 59,5 | 7 | | | 25,5 | | | | brown - 3 | MD-M51-4MB-K3 |
| | G 1/4 | 17 | | 59,5 | 7 | | | 25,5 | | | | yellow - 5 | MD-M51-4MB-K5 |
| | G 1/4 | 17 | | 59,5 | 7 | | | 25,5 | | | | blue - 6 | MD-M51-4MB-K6 |
| | G 1/4 | 17 | | 59,5 | 7 | | | 25,5 | | | | red - 8 | MD-M51-4MB-K8 |
| | | | | | | | | | | | | | |
|  Female Thread | G 1/8 | 17 | | 62,5 | 9 | | | 25,5 | | | | green - 0 | MD-M51-2FB-K0 |
| | G 1/8 | 17 | | 62,5 | 9 | | | 25,5 | | | | black - 2 | MD-M51-2FB-K2 |
| | G 1/8 | 17 | | 62,5 | 9 | | | 25,5 | | | | brown - 3 | MD-M51-2FB-K3 |
| | G 1/8 | 17 | | 62,5 | 9 | | | 25,5 | | | | yellow - 5 | MD-M51-2FB-K5 |
| | G 1/8 | 17 | | 62,5 | 9 | | | 25,5 | | | | blue - 6 | MD-M51-2FB-K6 |
| | G 1/8 | 17 | | 62,5 | 9 | | | 25,5 | | | | red - 8 | MD-M51-2FB-K8 |
| | G 1/4 | 17 | | 48,5 | 9 | | | 25,5 | | | | green - 0 | MD-M51-4FB-K0 |
| | G 1/4 | 17 | | 48,5 | 9 | | | 25,5 | | | | black - 2 | MD-M51-4FB-K2 |
| | G 1/4 | 17 | | 48,5 | 9 | | | 25,5 | | | | brown - 3 | MD-M51-4FB-K3 |
| | G 1/4 | 17 | | 48,5 | 9 | | | 25,5 | | | | yellow - 5 | MD-M51-4FB-K5 |
| | G 1/4 | 17 | | 48,5 | 9 | | | 25,5 | | | | blue - 6 | MD-M51-4FB-K6 |
| | G 1/4 | 17 | | 48,5 | 9 | | | 25,5 | | | | red - 8 | MD-M51-4FB-K8 |
| | | | | | | | | | | | | | |
|  with Plastic Hose Connection | 4 x 6 mm | 17 | | 65,5 | 7 | 6 | | 25,5 | | M 10 x 1 | | green - 0 | MD-M51-M6CSP-K0 |
| | 4 x 6 mm | 17 | | 65,5 | 7 | 6 | | 25,5 | | M 10 x 1 | | black - 2 | MD-M51-M6CSP-K2 |
| | 4 x 6 mm | 17 | | 65,5 | 7 | 6 | | 25,5 | | M 10 x 1 | | brown - 3 | MD-M51-M6CSP-K3 |
| | 4 x 6 mm | 17 | | 65,5 | 7 | 6 | | 25,5 | | M 10 x 1 | | yellow - 5 | MD-M51-M6CSP-K5 |
| | 4 x 6 mm | 17 | | 65,5 | 7 | 6 | | 25,5 | | M 10 x 1 | | blue - 6 | MD-M51-M6CSP-K6 |
| | 4 x 6 mm | 17 | | 65,5 | 7 | 6 | | 25,5 | | M 10 x 1 | | red - 8 | MD-M51-M6CSP-K8 |
| | 6 x 8 mm | 17 | | 65,5 | 7 | 6 | | 25,5 | | M 12 x 1 | | green - 0 | MD-M51-M8CSP-K0 |
| | 6 x 8 mm | 17 | | 65,5 | 7 | 6 | | 25,5 | | M 12 x 1 | | black - 2 | MD-M51-M8CSP-K2 |
| | 6 x 8 mm | 17 | | 65,5 | 7 | 6 | | 25,5 | | M 12 x 1 | | brown - 3 | MD-M51-M8CSP-K3 |
| | 6 x 8 mm | 17 | | 65,5 | 7 | 6 | | 25,5 | | M 12 x 1 | | yellow - 5 | MD-M51-M8CSP-K5 |
| | 6 x 8 mm | 17 | | 65,5 | 7 | 6 | | 25,5 | | M 12 x 1 | | blue - 6 | MD-M51-M8CSP-K6 |
| | 6 x 8 mm | 17 | | 65,5 | 7 | 6 | | 25,5 | | M 12 x 1 | | red - 8 | MD-M51-M8CSP-K8 |
| | | | | | | | | | | | | | |

# Couplings – with valve

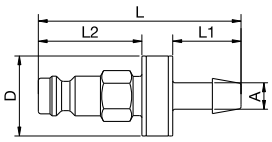
## Series MD coded

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Panel Mount with Plastic Hose Connection | 4 x 6 mm | 17 | 14 | 77,5 | 7 | 18 | | 25,5 | 4 | M 10 x 1 | | green - 0 | MD-M51-HM6CSP-K0 |
| | 4 x 6 mm | 17 | 14 | 77,5 | 7 | 18 | | 25,5 | 4 | M 10 x 1 | | black - 2 | MD-M51-HM6CSP-K2 |
| | 4 x 6 mm | 17 | 14 | 77,5 | 7 | 18 | | 25,5 | 4 | M 10 x 1 | | brown - 3 | MD-M51-HM6CSP-K3 |
| | 4 x 6 mm | 17 | 14 | 77,5 | 7 | 18 | | 25,5 | 4 | M 10 x 1 | | yellow - 5 | MD-M51-HM6CSP-K5 |
| | 4 x 6 mm | 17 | 14 | 77,5 | 7 | 18 | | 25,5 | 4 | M 10 x 1 | | blue - 6 | MD-M51-HM6CSP-K6 |
| | 4 x 6 mm | 17 | 14 | 77,5 | 7 | 18 | | 25,5 | 4 | M 10 x 1 | | red - 8 | MD-M51-HM6CSP-K8 |
| | 6 x 8 mm | 17 | 17 | 77,5 | 7 | 18 | | 25,5 | 4 | M 12 x 1 | | green - 0 | MD-M51-HM8CSP-K0 |
| | 6 x 8 mm | 17 | 17 | 77,5 | 7 | 18 | | 25,5 | 4 | M 12 x 1 | | black - 2 | MD-M51-HM8CSP-K2 |
| | 6 x 8 mm | 17 | 17 | 77,5 | 7 | 18 | | 25,5 | 4 | M 12 x 1 | | brown - 3 | MD-M51-HM8CSP-K3 |
| | 6 x 8 mm | 17 | 17 | 77,5 | 7 | 18 | | 25,5 | 4 | M 12 x 1 | | yellow - 5 | MD-M51-HM8CSP-K5 |
| | 6 x 8 mm | 17 | 17 | 77,5 | 7 | 18 | | 25,5 | 4 | M 12 x 1 | | blue - 6 | MD-M51-HM8CSP-K6 |
| | 6 x 8 mm | 17 | 17 | 77,5 | 7 | 18 | | 25,5 | 4 | M 12 x 1 | | red - 8 | MD-M51-HM8CSP-K8 |
| | | | | | | | | | | | | | |
|  Hose Barb | 4 mm | 17 | | 69,5 | 17 | | | 25,5 | | | | green - 0 | MD-M51-M4HB-K0 |
| | 4 mm | 17 | | 69,5 | 17 | | | 25,5 | | | | black - 2 | MD-M51-M4HB-K2 |
| | 4 mm | 17 | | 69,5 | 17 | | | 25,5 | | | | brown - 3 | MD-M51-M4HB-K3 |
| | 4 mm | 17 | | 69,5 | 17 | | | 25,5 | | | | yellow - 5 | MD-M51-M4HB-K5 |
| | 4 mm | 17 | | 69,5 | 17 | | | 25,5 | | | | blue - 6 | MD-M51-M4HB-K6 |
| | 4 mm | 17 | | 69,5 | 17 | | | 25,5 | | | | red - 8 | MD-M51-M4HB-K8 |
| | 6 mm | 17 | | 69,5 | 17 | | | 25,5 | | | | green - 0 | MD-M51-M6HB-K0 |
| | 6 mm | 17 | | 69,5 | 17 | | | 25,5 | | | | black - 2 | MD-M51-M6HB-K2 |
| | 6 mm | 17 | | 69,5 | 17 | | | 25,5 | | | | brown - 3 | MD-M51-M6HB-K3 |
| | 6 mm | 17 | | 69,5 | 17 | | | 25,5 | | | | yellow - 5 | MD-M51-M6HB-K5 |
| | 6 mm | 17 | | 69,5 | 17 | | | 25,5 | | | | blue - 6 | MD-M51-M6HB-K6 |
| | 6 mm | 17 | | 69,5 | 17 | | | 25,5 | | | | red - 8 | MD-M51-M6HB-K8 |
| | | | | | | | | | | | | | |
|  Panel Mount with Hose Barb | 4 mm | 17 | 14 | 83,5 | 17 | 14 | | 25,5 | 4 | M 10 x 1 | 1 - 8 | green - 0 | MD-M51-HM4HB-K0 |
| | 4 mm | 17 | 14 | 83,5 | 17 | 14 | | 25,5 | 4 | M 10 x 1 | 1 - 8 | black - 2 | MD-M51-HM4HB-K2 |
| | 4 mm | 17 | 14 | 83,5 | 17 | 14 | | 25,5 | 4 | M 10 x 1 | 1 - 8 | brown - 3 | MD-M51-HM4HB-K3 |
| | 4 mm | 17 | 14 | 83,5 | 17 | 14 | | 25,5 | 4 | M 10 x 1 | 1 - 8 | yellow - 5 | MD-M51-HM4HB-K5 |
| | 4 mm | 17 | 14 | 83,5 | 17 | 14 | | 25,5 | 4 | M 10 x 1 | 1 - 8 | blue - 6 | MD-M51-HM4HB-K6 |
| | 4 mm | 17 | 14 | 83,5 | 17 | 14 | | 25,5 | 4 | M 10 x 1 | 1 - 8 | red - 8 | MD-M51-HM4HB-K8 |
| | 6 mm | 17 | 17 | 83,5 | 17 | 14 | | 25,5 | 4 | M 12 x 1 | 1 - 8 | green - 0 | MD-M51-HM6HB-K0 |
| | 6 mm | 17 | 17 | 83,5 | 17 | 14 | | 25,5 | 4 | M 12 x 1 | 1 - 8 | black - 2 | MD-M51-HM6HB-K2 |
| | 6 mm | 17 | 17 | 83,5 | 17 | 14 | | 25,5 | 4 | M 12 x 1 | 1 - 8 | brown - 3 | MD-M51-HM6HB-K3 |
| | 6 mm | 17 | 17 | 83,5 | 17 | 14 | | 25,5 | 4 | M 12 x 1 | 1 - 8 | yellow - 5 | MD-M51-HM6HB-K5 |
| | 6 mm | 17 | 17 | 83,5 | 17 | 14 | | 25,5 | 4 | M 12 x 1 | 1 - 8 | blue - 6 | MD-M51-HM6HB-K6 |
| | 6 mm | 17 | 17 | 83,5 | 17 | 14 | | 25,5 | 4 | M 12 x 1 | 1 - 8 | red - 8 | MD-M51-HM6HB-K8 |
| | | | | | | | | | | | | | |

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

# Plugs – without valve

## Series MD coded




Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 mm | | | 32 | 17 | | | | | | | green - 0 | MD-M54-M4HB-K0 |
| 4 mm | | | 32 | 17 | | | | | | | black - 2 | MD-M54-M4HB-K2 |
| 4 mm | | | 32 | 17 | | | | | | | brown - 3 | MD-M54-M4HB-K3 |
| 4 mm | | | 32 | 17 | | | | | | | yellow - 5 | MD-M54-M4HB-K5 |
| 4 mm | | | 32 | 17 | | | | | | | blue - 6 | MD-M54-M4HB-K6 |
| 4 mm | | | 32 | 17 | | | | | | | red - 8 | MD-M54-M4HB-K8 |
| 6 mm | | | 32 | 17 | | | | | | | green - 0 | MD-M54-M6HB-K0 |
| 6 mm | | | 32 | 17 | | | | | | | black - 2 | MD-M54-M6HB-K2 |
| 6 mm | | | 32 | 17 | | | | | | | brown - 3 | MD-M54-M6HB-K3 |
| 6 mm | | | 32 | 17 | | | | | | | yellow - 5 | MD-M54-M6HB-K5 |
| 6 mm | | | 32 | 17 | | | | | | | blue - 6 | MD-M54-M6HB-K6 |
| 6 mm | | | 32 | 17 | | | | | | | red - 8 | MD-M54-M6HB-K8 |
| 10 mm | | | 32 | 17 | | | | | | | green - 0 | MD-M54-M10HB-K0 |
| 10 mm | | | 32 | 17 | | | | | | | black - 2 | MD-M54-M10HB-K2 |
| 10 mm | | | 32 | 17 | | | | | | | brown - 3 | MD-M54-M10HB-K3 |
| 10 mm | | | 32 | 17 | | | | | | | yellow - 5 | MD-M54-M10HB-K5 |
| 10 mm | | | 32 | 17 | | | | | | | blue - 6 | MD-M54-M10HB-K6 |
| 10 mm | | | 32 | 17 | | | | | | | red - 8 | MD-M54-M10HB-K8 |
| | | | | | | | | | | | | |

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

**Nominal Diameter**

# 6 = 28 mm²

**Rectus Series**

# PPL

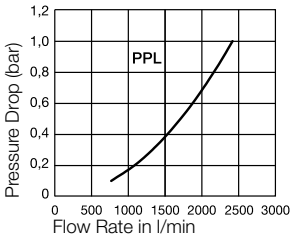
**Technical Description**
Plastic coupling in nominal diameter 6 mm. The system is particularly suited to use with weak alkalis and acids. The coupling stands out for its light weight and intuitive operation. Secure sealing is indicated by an audible click.

**Working Temperature**
-40°C up to +82°C

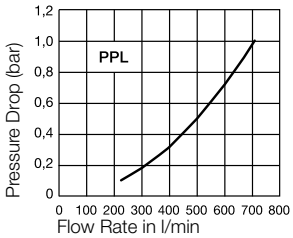
| KF Straight-Through | KA Single Shut-Off | KB Double Shut-Off |
|---|---|---|
| **Working Pressure**** | | |
| 0-8 bar<br>** maximum static working pressure with design factor 4 to 1. | 0-8 bar | 0-8 bar |
| **Material** | | |
| **Coupling:** Acetal (POM), natural color, USP Class VI<br>**Plug:** Acetal (POM), natural color, USP Class VI<br>**Seals:** FDA Buna-N | **Coupling:** Acetal (POM), natural color, USP Class VI<br>**Plug:** Acetal (POM), natural color, USP Class VI<br>**Seals:** FDA Buna-N | **Coupling:** Acetal (POM), natural color, USP Class VI<br>**Plug:** Acetal (POM), natural color, USP Class VI<br>**Seals:** FDA Buna-N |

**Flow diagrams**

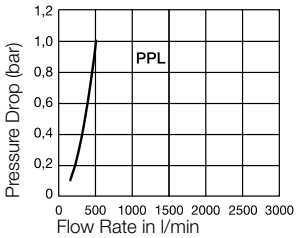
**Air**



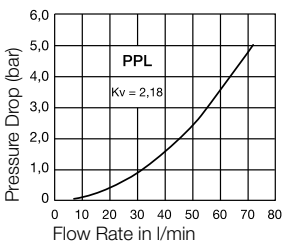

**Air**



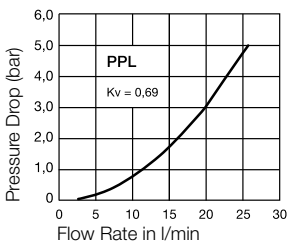

**Air**



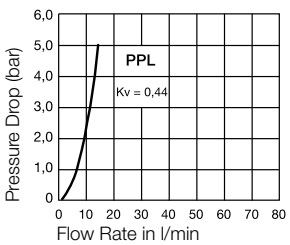

**Water**



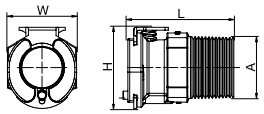
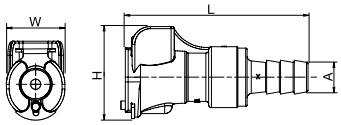

**Water**



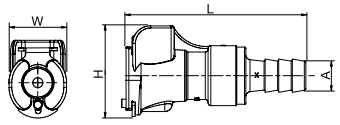
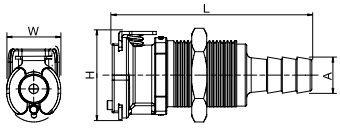

**Water**



## Couplings – without valve — Series PPL

| | Connection A | HEX mm | W mm | L mm | L1 mm | L2 mm | L3 mm | H mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | 3/8" BSPT | | 19,1 | 29,2 | | | | 23,6 | | | | | PPL-253-6MBT |
|  Hose Barb | 6 mm | | 19,1 | 48,3 | | | | 23,6 | | | | | PPL-253-4HB |
| | 8 mm | | 19,1 | 48,3 | | | | 23,6 | | | | | PPL-253-5HB |
| | 10 mm | | 19,1 | 48,3 | | | | 23,6 | | | | | PPL-253-6HB |

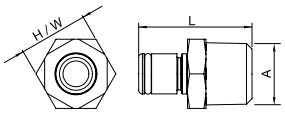
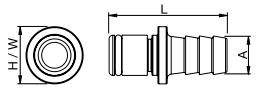
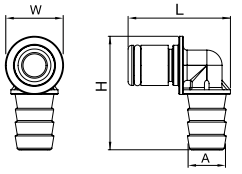
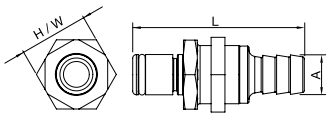
## Couplings – with valve — Series PPL

| | Connection A | HEX mm | W mm | L mm | L1 mm | L2 mm | L3 mm | H mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Hose Barb | 6 mm | | 19,1 | 48,3 | | | | 23,6 | | | | | PPL-251-4HB |
| | 8 mm | | 19,1 | 48,3 | | | | 23,6 | | | | | PPL-251-5HB |
| | 10 mm | | 19,1 | 48,3 | | | | 23,6 | | | | | PPL-251-6HB |
|  Panel Mount with Hose Barb | 8 mm | | 19,1 | 48,3 | | | | 23,6 | | | | | PPL-251-H5HB |
| | 10 mm | | 19,1 | 48,3 | | | | 23,6 | | | | | PPL-251-H6HB |

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

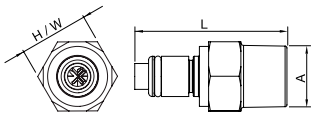
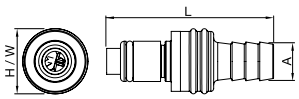
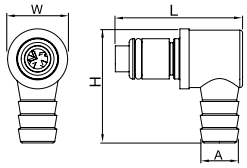
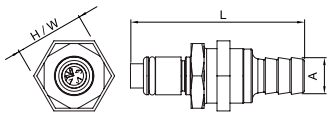
# Plugs – without valve



| | Connection A | HEX mm | W mm | L mm | L1 mm | L2 mm | L3 mm | H mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | 1/4" BSPT | | 15,7 | 31,8 | | | | 15,7 | | | | | PPL-254-4MBT |
| | 3/8" BSPT | | 18,8 | 31,8 | | | | 18,8 | | | | | PPL-254-6MBT |
|  Hose Barb | 6 mm | | 15,7 | 31,8 | | | | 15,7 | | | | | PPL-254-4HB |
| | 8 mm | | 15,7 | 31,8 | | | | 15,7 | | | | | PPL-254-5HB |
| | 10 mm | | 15,7 | 31,8 | | | | 15,7 | | | | | PPL-254-6HB |
|  Hose Barb 90° | 6 mm | | 15,7 | 27,9 | | | | 32,5 | | | | | PPL-254-C4HB |
| | 10 mm | | 15,7 | 27,9 | | | | 32,5 | | | | | PPL-254-C6HB |
|  Panel Mount with Hose Barb | 6 mm | | 18,8 | 47,8 | | | | 18,8 | | | | | PPL-254-H4HB |
| | 10 mm | | 18,8 | 47,8 | | | | 18,8 | | | | | PPL-254-H6HB |

# Plugs – with valve

## Series PPL

| | Connection A | HEX mm | W mm | L mm | L1 mm | L2 mm | L3 mm | H mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | 1/4" BSPT | | 15,7 | 41,9 | | | | 15,7 | | | | | PPL-252-4MBT |
| | 3/8" BSPT | | 19,1 | 41,9 | | | | 19,1 | | | | | PPL-252-6MBT |
|  Hose Barb | 6 mm | | 17,8 | 49,3 | | | | 17,8 | | | | | PPL-252-4HB |
| | 8 mm | | 17,8 | 49,3 | | | | 17,8 | | | | | PPL-252-5HB |
| | 10 mm | | 17,8 | 46,5 | | | | 17,8 | | | | | PPL-252-6HB |
|  Hose Barb 90° | 6 mm | | 15,7 | 27,9 | | | | 32,5 | | | | | PPL-252-C4HB |
| | 10 mm | | 15,7 | 27,9 | | | | 32,5 | | | | | PPL-252-C6HB |
|  Panel Mount with Hose Barb | 6 mm | | 18,8 | 50,8 | | | | 18,8 | | | | | PPL-252-H4HB |
| | 8 mm | | 18,8 | 50,8 | | | | 18,8 | | | | | PPL-252-H5HB |
| | 10 mm | | 18,8 | 50,8 | | | | 18,8 | | | | | PPL-252-H6HB |

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

**Nominal Diameter**

**7** = 38 mm²

**Rectus Series**

# BT

**Other designs in series 48**
The following other designs can be found from page:

➤ Thermoplastic P. 240

**Technical Description**
This coupling series is produced exclusively in materials of medical quality and it is specifically suited to use in medical, biotechnological, pharmaceutical and laboratory technology applications. The main components are molded in a clean room from virgin transparent USP Class VI polysulfone (PSU). The seals are made from platinum cured silicone, the locking pins are stainless steel.

Coupling system with single-hand operation. Audible click to indicate a secure connection. Transparent components allow visual control of the flow path. Completely smooth flow path without any dead spaces prevents cross-contamination. Ergonomic sleeve for easy operation with gloves.

**Working Temperature**
-20°C up to +148°C

**KF** Straight-Through

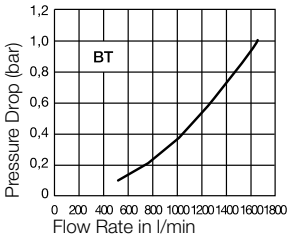
**Working Pressure****
0-4,5 bar
** maximum static working pressure with design factor 4 to 1.

**Material**
**Coupling:** PSU, transparent, USP Class VI
**Plug:** PSU, transparent, USP Class VI
**Seals:** Platinum cured silicone, transparent, USP Class VI

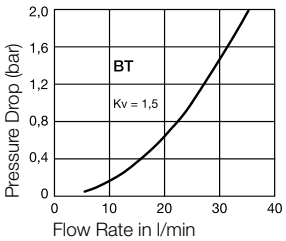
**Interchangeability**
• Rectus 48

**Flow diagrams**

**Air**

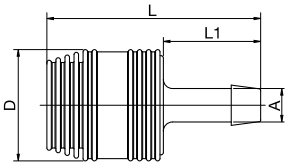



**Water**



## Couplings – without valve — Series BT

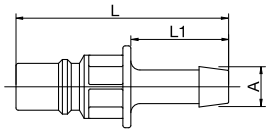
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 mm | | | 47,3 | 21,5 | | | 24,6 | | | | | BT-M73-4HB |
| 6 mm | | | 47,3 | 21,5 | | | 24,6 | | | | | BT-M73-6HB |
| 8 mm | | | 47,3 | 21,5 | | | 24,6 | | | | | BT-M73-8HB |



Hose Barb

## Plugs – without valve — Series BT

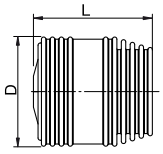
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 mm | | | 46,8 | 21,5 | | | | | | | | BT-M74-4HB |
| 6 mm | | | 46,8 | 21,5 | | | | | | | | BT-M74-6HB |
| 8 mm | | | 46,8 | 21,5 | | | | | | | | BT-M74-8HB |



Hose Barb

## Dummy coupling — Series BT

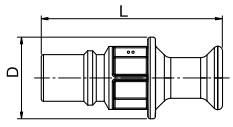
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 26,8 | | | | 24,6 | | | | | BT-M73-PLUG |



Hose Barb

## Dummy plug — Series BT

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | L3 mm | D mm | B mm | G mm | S mm | Color Coding Ring | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 40 | | | | 18 | | | | | BT-M74-PLUG |



Hose Barb

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

**Nominal Diameter**

**5** = 20 mm²

**Rectus Series**

**21**

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

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK16S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

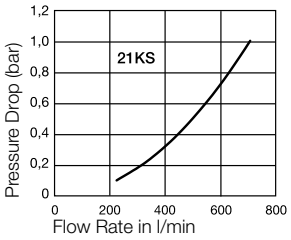
**Other designs in series 21**
The following other designs can be found from page:


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

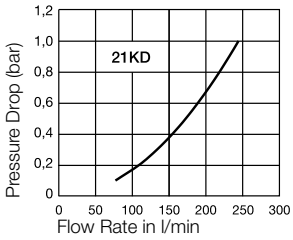

| | KS Single Shut-Off | KD Double Shut-Off |
|---|---|---|
| **Working Pressure**** | 35 bar<br>** maximum static working pressure with design factor 4 to 1. | 35 bar |
| **Material** | **Coupling:** Brass<br>**Plug:** Brass<br>**Seals:** NBR | **Coupling:** Brass nickel plated<br>**Plug:** Brass nickel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

**Flow diagrams**

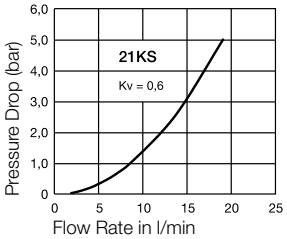
**Air**



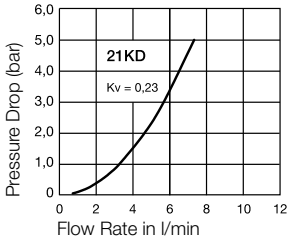

**Air**




**Water**

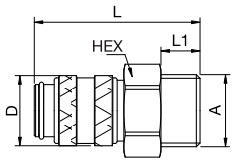
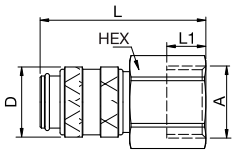
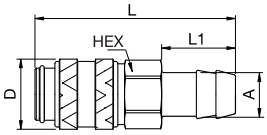
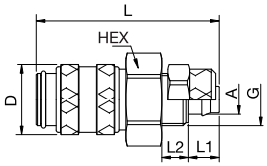



**Water**



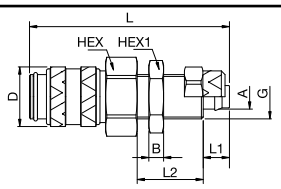
# Couplings – with valve

## Series 21KS

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

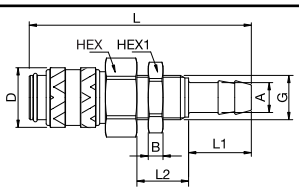
⚠ Please consider our security advices on the pages 12/13 ⚠

## Couplings – with valve — Series 21KS



Panel Mount
with Plastic Hose Connection

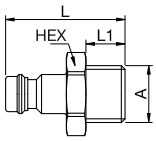
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 x 6 mm | 14 | 14 | 54 | 7 | 18 | 16 | 4 | M 10 x 1 | blank | 21KSKS06MPX |
| 4 x 6 mm | 14 | 14 | 54 | 7 | 18 | 16 | 4 | M 10 x 1 | nickel plated |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



Panel Mount with Hose Barb

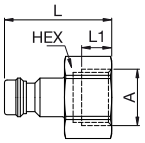
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 mm | 14 | 14 | 60 | 17 | 14 | 16 | 4 | M 10 x 1 | blank | 21KSTS04MPX |
| 4 mm | 14 | 14 | 60 | 17 | 14 | 16 | 4 | M 10 x 1 | nickel plated | 21KSTS04MPN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

## Plugs – without valve — Series 21KS



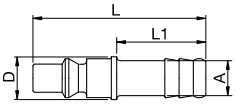
Male Thread

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



Female Thread

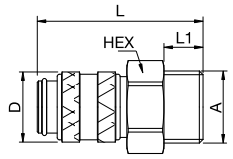
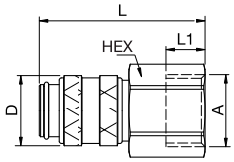
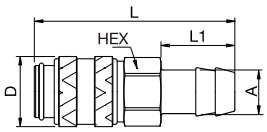
| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/8 | 14 | | 25 | 8 | | | | | blank | 21SSIW10MXX |
| G 1/8 | 14 | | 25 | 8 | | | | | nickel plated | 21SSIW10MXN |
| G 1/4 | 17 | | 25 | 9 | | | |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



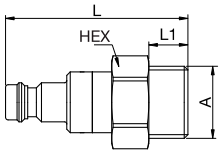
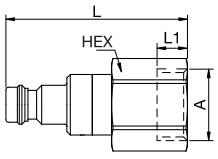
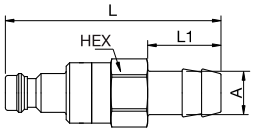
Hose Barb

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

## Couplings – with valve — Series 21KD

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

## Plugs – with valve — Series 21KD

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

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

**Nominal Diameter**

# 7,8 = 48 mm²

**Rectus Series**

# 25

**Technical Description**
Safety coupling with UltaFlo-Valve for optimum flow and low pressure drop. The series stands out for its robust design (steel sleeve) and long service life even with the harshest use. 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. The brass version has been developed specifically for use with water in the pressure range up to 35 bar.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

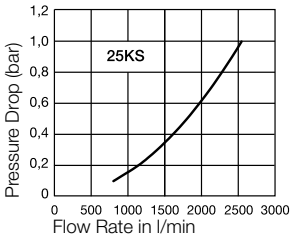
**Other designs in series 25**
The following other designs can be found from page:


➤ Brass / Steel P. 98
➤ Stainless Steel P. 208
➤ Safety Self-Venting P. 294
➤ Coded Systems P. 302

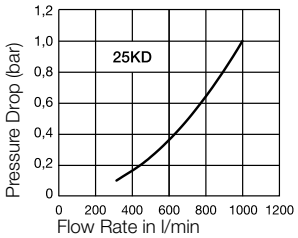

| KS Single Shut-Off | KD Double Shut-Off |
|---|---|
| **Working Pressure**** | |
| 35 bar (Brass-Version)<br>70 bar (with steel body and steel sleeve)<br>** maximum static working pressure with design factor 4 to 1. | 35 bar |
| **Features** | |
| • Double profiled plug design against wear of material during operation | • Handy sleeve for optimum operation even with gloves |
| **Material** | |
| **Coupling:** Brass / Steel or Brass<br>**Plug:** Steel zinc plated or Brass<br>**Seals:** NBR | **Coupling:** Brass nickel plated<br>**Plug:** Brass nickel plated<br>**Seals:** NBR |

**Flow diagrams**

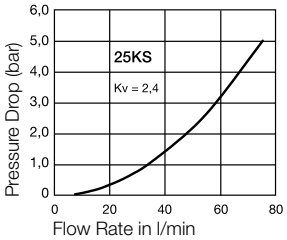
**Air**



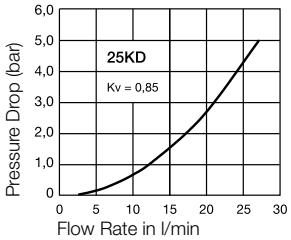

**Air**




**Water**

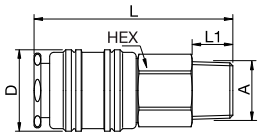
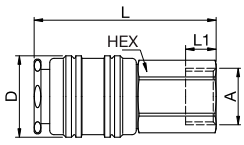
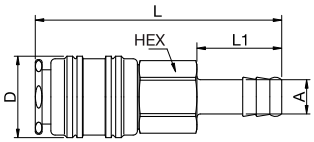



**Water**



# Couplings – with valve

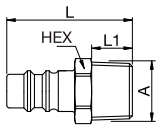
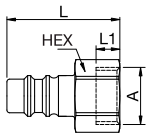
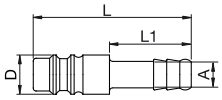
## Series 25KS

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 60 | 12 | | 23 | | | Steel | 25KSAK13SPN |
| | R 1/4 | 19 | | 60 | 12 | | 23 | | | blank | 25KSAK13BPX |
| | R 1/4 | 19 | | 60 | 12 | | 23 | | | nickel plated | 25KSAK13BPN |
| | R 3/8 | 19 | | 60 | 12 | | 23 | | | Steel | 25KSAK17SPN |
| | R 3/8 | 19 | | 60 | 12 | | 23 | | | blank | 25KSAK17BPX |
| | R 3/8 | 19 | | 60 | 12 | | 23 | | | nickel plated | 25KSAK17BPN |
| | R 1/2 | 22 | | 61 | 17 | | 23 | | | Steel | 25KSAK21SPN |
| | R 1/2 | 22 | | 61 | 17 | | 23 | | | blank | 25KSAK21BPX |
| | R 1/2 | 22 | | 61 | 17 | | 23 | | | nickel plated | 25KSAK21BPN |
| | G 1/4 | 19 | | 56 | 10 | | 23 | | | Steel | 25KSIW13SPN |
| | G 1/4 | 19 | | 56 | 10 | | 23 | | | blank | 25KSIW13BPX |
| | G 1/4 | 19 | | 56 | 10 | | 23 | | | nickel plated | 25KSIW13BPN |
|  Female Thread | G 3/8 | 19 | | 55 | 9 | | 23 | | | Steel | 25KSIW17SPN |
| | G 3/8 | 19 | | 55 | 9 | | 23 | | | blank | 25KSIW17BPX |
| | G 3/8 | 19 | | 55 | 9 | | 23 | | | nickel plated | 25KSIW17BPN |
| | G 1/2 | 24 | | 58 | 12 | | 23 | | | Steel | 25KSIW21SPN |
| | 6 mm | 19 | | 74 | 25 | | 23 | | | Steel | 25KSTF06SPN |
| | 8 mm | 19 | | 74 | 25 | | 23 | | | Steel | 25KSTF08SPN |
| | 8 mm | 19 | | 74 | 25 | | 23 | | | blank | 25KSTF08BPX |
| | 8 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 25KSTF08BPN |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | Steel | 25KSTF09SPN |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | blank | 25KSTF09BPX |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 25KSTF09BPN |
|  Hose Barb | 10 mm | 19 | | 74 | 25 | | 23 | | | Steel | 25KSTF10SPN |
| | 10 mm | 19 | | 74 | 25 | | 23 | | | blank | 25KSTF10BPX |
| | 10 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 25KSTF10BPN |
| | 13 mm | 19 | | 74 | 25 | | 23 | | | Steel | 25KSTF13SPN |
| | 13 mm | 19 | | 74 | 25 | | 23 | | | blank | 25KSTF13BPX |
| | 13 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 25KSTF13BPN |

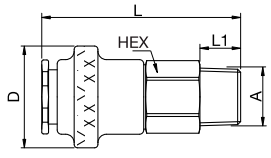
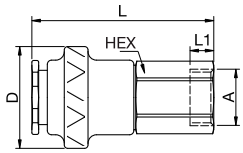
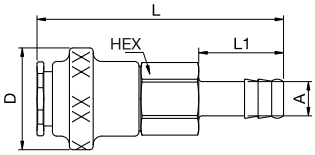
⚠ Please consider our security advices on the pages 12/13 ⚠

# Plugs – without valve

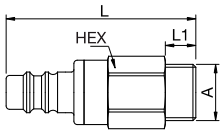
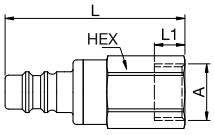
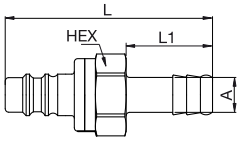
## Series 25KS

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | | 33 | 9 | | | | | Steel | 25SSAK10SXZ |
| | R 1/4 | 14 | | 37 | 12 | | | | | Steel | 25SSAK13SXZ |
| | G 1/4 | 17 | | 33 | 9 | | | | | nickel plated | 26SSAW13MXN |
| | R 3/8 | 17 | | 37 | 12 | | | | | Steel | 25SSAK17SXZ |
| | R 1/2 | 22 | | 43 | 17 | | | | | Steel | 25SSAK21SXZ |
|  Female Thread | G 1/4 | 17 | | 33 | 9 | | | | | Steel | 25SSIW13SXZ |
| | G 3/8 | 19 | | 33 | 9 | | | | | Steel | 25SSIW17SXZ |
| | G 1/2 | 24 | | 36 | 12 | | | | | Steel | 25SSIW21SXZ |
|  Hose Barb | 6 mm | | | 48 | 25 | | 12 | | | Steel | 25SSTF06SXZ |
| | 8 mm | | | 48 | 25 | | 12 | | | Steel | 25SSTF08SXZ |
| | 9 mm | | | 48 | 25 | | 12 | | | Steel | 25SSTF09SXZ |
| | 10 mm | | | 48 | 25 | | 12 | | | Steel | 25SSTF10SXZ |
| | 13 mm | | | 48 | 25 | | 15 | | | Steel | 25SSTF13SXZ |

## Couplings – with valve — Series 25KD

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 60 | 12 | | 30 | | | | 25KDAK13BPN |
| | R 3/8 | 19 | | 60 | 12 | | 30 | | | | 25KDAK17BPN |
| | R 1/2 | 22 | | 61 | 17 | | 30 | | | | 25KDAK21BPN |
|  Female Thread | G 1/4 | 19 | | 56 | 10 | | 30 | | | | 25KDIW13BPN |
| | G 3/8 | 19 | | 55 | 9 | | 30 | | | | 25KDIW17BPN |
| | G 1/2 | 24 | | 58 | 12 | | 30 | | | | 25KDIW21BPN |
|  Hose Barb | 6 mm | 19 | | 74 | 25 | | 30 | | | | 25KDTF06BPN |
| | 8 mm | 19 | | 74 | 25 | | 30 | | | | 25KDTF08BPN |
| | 9 mm | 19 | | 74 | 25 | | 30 | | | | 25KDTF09BPN |
| | 10 mm | 19 | | 74 | 25 | | 30 | | | | 25KDTF10BPN |
| | 13 mm | 19 | | 74 | 25 | | 30 | | | | 25KDTF13BPN |

## Plugs – with valve — Series 25KD

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 22 | | 43 | 9 | | | | | | 25SDAW13MPN |
| | G 3/8 | 22 | | 43 | 9 | | | | | | 25SDAW17MPN |
| | G 1/2 | 22 | | 46 | 12 | | | | | | 25SDAW21MPN |
|  Female Thread | G 1/4 | 22 | | 43 | 10 | | | | | | 25SDIW13MPN |
| | G 3/8 | 22 | | 43 | 9 | | | | | | 25SDIW17MPN |
| | G 1/2 | 24 | | 46 | 12 | | | | | | 25SDIW21MPN |
|  Hose Barb | 6 mm | 21 | | 60 | 25 | | | | | | 25SDTF06MPN |
| | 8 mm | 21 | | 60 | 25 | | | | | | 25SDTF08MPN |
| | 9 mm | 21 | | 60 | 25 | | | | | | 25SDTF09MPN |
| | 10 mm | 21 | | 60 | 25 | | | | | | 25SDTF10MPN |
| | 13 mm | 21 | | 60 | 25 | | | | | | 25SDTF13MPN |

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

**Nominal Diameter**

# 10,5 = 85 mm²

**Rectus Series**

# 28

**Technical Description**
The robust safety coupling is the largest version of the coupling series with safety locking.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. 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. Double profiled plug design against wear of material during operation.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

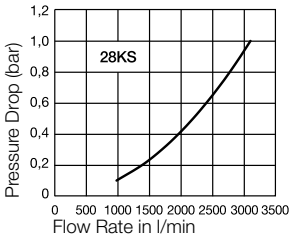
## KS Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

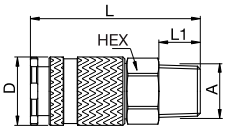
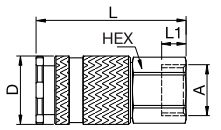
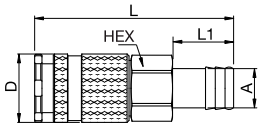
### Material
**Coupling:** Brass / Steel nickel plated
**Plug:** Steel nickel plated
**Seals:** NBR

### Interchangeability
- CETOP-Norm RP59 P-15

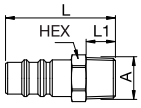
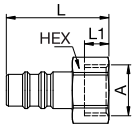
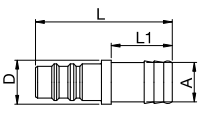
### Flow diagrams
**Air**



## Couplings – with valve — Series 28KS

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/2 | 24 | | 69,5 | 17 | | 28 | | | | 28KSAK21SPN |
| | R 3/4 | 27 | | 69,5 | 17 | | 28 | | | | 28KSAK26SPN |
|  Female Thread | G 3/8 | 24 | | 61,5 | 12 | | 28 | | | | 28KSIW17SPN |
| | G 1/2 | 24 | | 61,5 | 12 | | 28 | | | | 28KSIW21SPN |
| | G 3/4 | 32 | | 65,5 | 16 | | 28 | | | | 28KSIW26SPN |
|  Hose Barb | 13 mm | 24 | | 81,5 | 25 | | 28 | | | | 28KSTF13SPN |
| | 16 mm | 24 | | 81,5 | 25 | | 28 | | | | 28KSTF16SPN |
| | 19 mm | 24 | | 81,5 | 25 | | 28 | | | | 28KSTF19SPN |

## Plugs – without valve — Series 28KS

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 3/8 | 17 | | 45 | 12 | | | | | | 28SSAK17SXN |
| | R 1/2 | 22 | | 50 | 17 | | | | | | 28SSAK21SXN |
|  Female Thread | G 3/8 | 19 | | 39 | 9 | | | | | | 28SSIW17SXN |
| | G 1/2 | 24 | | 42 | 12 | | | | | | 28SSIW21SXN |
| | G 3/4 | 32 | | 47 | 16 | | | | | | 28SSIW26SXN |
|  Hose Barb | 10 mm | | | 54 | 25 | | 15 | | | | 28SSTF10SXN |
| | 13 mm | | | 54 | 25 | | 15 | | | | 28SSTF13SXN |
| | 16 mm | | | 56 | 25 | | 18 | | | | 28SSTF16SXN |
| | 19 mm | | | 56 | 25 | | 21 | | | | 28SSTF19SXN |

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

**Nominal Diameter**

# 7,4 = 43 mm²

**Rectus Series**

# 95

**Technical Description**
This coupling system has been developed specifically for the area of breathing protection.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. 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.
Profile cannot be interconnected with the 96KS series. Tested according EN 139 standard.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**KS** Breathing Air

## Working Pressure**

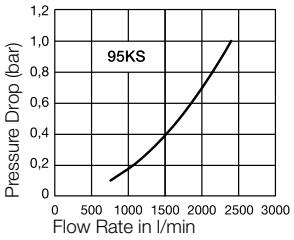
35 bar
** maximum static working pressure with design factor 4 to 1.

## Material

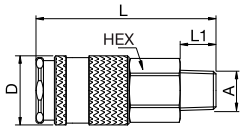
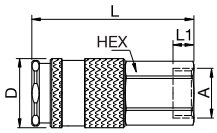
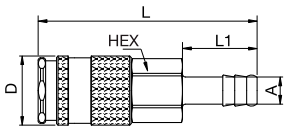
**Coupling:** Brass / Stainless Steel or Brass nickel plated
**Plug:** Steel nickel plated
**Seals:** NBR

## Flow diagrams

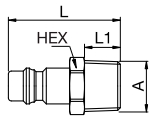
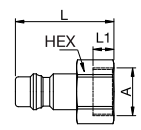
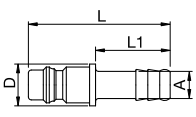
**Air**



## Couplings – with valve — Series 95KS

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 61 | 12 | | 23 | | | nickel plated | 95KSAK13BPN |
| | R 1/4 | 19 | | 61 | 12 | | 23 | | | Stainless Steel | 95KSAK13RPN |
| | R 3/8 | 19 | | 60 | 12 | | 23 | | | nickel plated | 95KSAK17BPN |
| | R 3/8 | 19 | | 60 | 12 | | 23 | | | Stainless Steel | 95KSAK17RPN |
| | R 1/2 | 22 | | 61 | 17 | | 23 | | | nickel plated | 95KSAK21BPN |
| | R 1/2 | 22 | | 61 | 17 | | 23 | | | Stainless Steel | 95KSAK21RPN |
|  Female Thread | G 1/4 | 19 | | 56 | 10 | | 23 | | | nickel plated | 95KSIW13BPN |
| | G 1/4 | 19 | | 56 | 10 | | 23 | | | Stainless Steel | 95KSIW13RPN |
| | G 3/8 | 19 | | 55 | 9 | | 23 | | | nickel plated | 95KSIW17BPN |
| | G 3/8 | 19 | | 55 | 9 | | 23 | | | Stainless Steel | 95KSIW17RPN |
| | G 1/2 | 24 | | 58 | 12 | | 23 | | | nickel plated | 95KSIW21BPN |
| | G 1/2 | 24 | | 58 | 12 | | 23 | | | Stainless Steel | 95KSIW21RPN |
|  Hose Barb | 6 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 95KSTF06BPN |
| | 7 mm | 20 | | 77 | 22 | | 23 | | | nickel plated | 95KSTF07BPN |
| | 8 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 95KSTF08BPN |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 95KSTF09BPN |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | Stainless Steel | 95KSTF09RPN |
| | 10 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 95KSTF10BPN |
| | 10 mm | 19 | | 74 | 25 | | 23 | | | Stainless Steel | 95KSTF10RPN |
| | 13 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 95KSTF13BPN |

## Plugs – without valve — Series 95KS

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 14 | | 38,5 | 12 | | | | | | 95SSAK13MXN |
| | R 3/8 | 17 | | 38,5 | 12 | | | | | | 95SSAK17MXN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Female Thread | G 1/4 | 17 | | 33 | 9 | | | | | | 95SSIW13MXN |
| | G 3/8 | 19 | | 33 | 9 | | | | | | 95SSIW17MXN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
|  Hose Barb | 6 mm | | | 47,5 | 25 | | 14 | | | | 95SSTF06MXN |
| | 9 mm | | | 47,5 | 25 | | 14 | | | | 95SSTF09MXN |
| | 10 mm | | | 47,5 | 25 | | 14 | | | | 95SSTF10MXN |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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

**Nominal Diameter**

# 7,4 = 43 mm²

**Rectus Series**

# 96

**Technical Description**
This coupling system has been developed specifically for the area of breathing protection.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. 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.
Tested according EN 139 standard.

**Dust Protections** **(P. 325)**
for Coupling Part.-No. SK23S
for Plug Part.-No. SK12S

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**KS** Breathing Air

## Working Pressure**

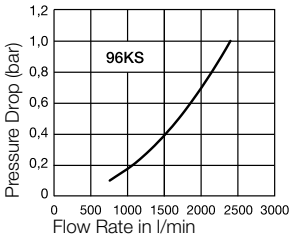
35 bar
** maximum static working pressure with design factor 4 to 1.

## Material

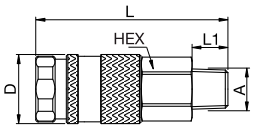
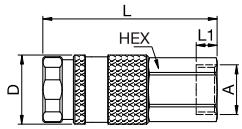
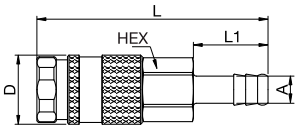
**Coupling:** Brass
**Plug:** Brass or Stainless Steel
**Seals:** NBR or FKM

## Flow diagrams

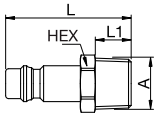
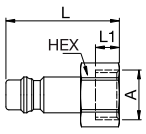
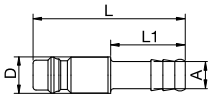
**Air**



## Couplings – with valve — Series 96KS

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 65 | 12 | | 23 | | | | 96KSAK13BPN |
| | R 3/8 | 19 | | 64 | 12 | | 23 | | | | 96KSAK17BPN |
| | R 1/2 | 22 | | 66 | 17 | | 23 | | | | 96KSAK21BPN |
|  Female Thread | G 1/4 | 19 | | 60 | 10 | | 23 | | | | 96KSIW13BPN |
| | G 3/8 | 19 | | 59 | 9 | | 23 | | | | 96KSIW17BPN |
|  Hose Barb | 6 mm | 19 | | 78 | 25 | | 23 | | | | 96KSTF06BPN |
| | 7 mm | 20 | | 77 | 22 | | 23 | | | | 96KSTF07BPN |
| | 9 mm | 19 | | 78 | 25 | | 23 | | | | 96KSTF09BPN |
| | 10 mm | 19 | | 78 | 25 | | 23 | | | | 96KSTF10BPN |
| | 13 mm | 19 | | 78 | 25 | | 23 | | | | 96KSTF13BPN |

## Plugs – without valve — Series 96KS

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 14 | | 42 | 12 | | | | | Brass | 96SSAK13MXN |
| | R 3/8 | 17 | | 42 | 12 | | | | | Brass | 96SSAK17MXN |
| | G 3/8 | 19 | | 38 | 9 | | | | | Stainless Steel | 96SSAW17RXX |
|  Female Thread | G 1/4 | 17 | | 38 | 10 | | | | | Brass | 96SSIW13MXN |
| | G 3/8 | 19 | | 38 | 10 | | | | | Brass | 96SSIW17MXN |
|  Hose Barb | 6 mm | | | 51 | 25 | | 12 | | | Brass | 96SSTF06MXN |
| | 9 mm | | | 51 | 25 | | 12 | | | Brass | 96SSTF09MXN |
| | 13 mm | | | 53 | 25 | | 12 | | | Brass | 96SSTF13MXN |

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

**Nominal Diameter**

**5,5** = 25 mm²

**Rectus Series**

**14**

**Other designs in series 14**
The following other designs can be found from page:

➤ Brass / Steel P. 46

**Technical Description**
Safety coupling with a self-venting system according to ISO C. Self-venting takes place during disconnection – no risk of pressurised hoses being tossed around. When the sleeve is pulled back, the plug is released yet remains locked in. The coupling valve closes and the air is vented from the air line at the same time. Only then, by operating the sleeve again, can uncoupling take place safely. The system fulfils the requirements of ISO 4414 – increased safety standards in the work place. The plastic sleeve does not scratch working surfaces.

**Safety Note**
Reliable functioning can only be guaranteed in conjunction with original Parker Rectus plugs made of steel.

**Working Temperature***
-20°C up to +60°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +60°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

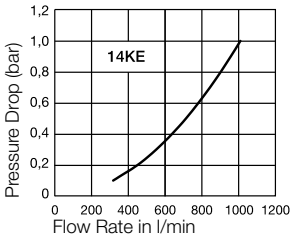
KE Self-Venting System

**Working Pressure****
12 bar
** maximum static working pressure with design factor 4 to 1.

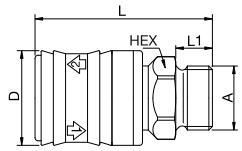
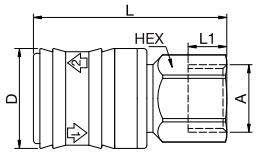
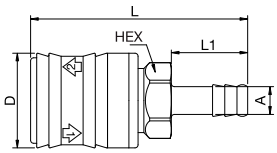
**Material**
**Coupling:** Brass nickel plated
**Plug:** Steel nickel plated
**Seals:** NBR

**Flow diagrams**

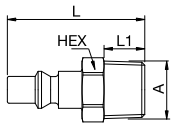
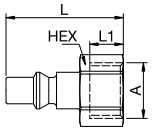
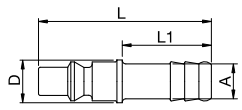
**Air**



## Couplings – with valve — Series 14KE

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 22 | | 58 | 9 | | 31 | | | | 14KEAK13MPN |
| | R 3/8 | 22 | | 58 | 9 | | 31 | | | | 14KEAK17MPN |
| | R 1/2 | 24 | | 63 | 12 | | 31 | | | | 14KEAK21MPN |
|  Female Thread | G 1/4 | 22 | | 57 | 9 | | 31 | | | | 14KEIW13MPN |
| | G 3/8 | 22 | | 57 | 9 | | 31 | | | | 14KEIW17MPN |
| | G 1/2 | 24 | | 60 | 12 | | 31 | | | | 14KEIW21MPN |
|  Hose Barb | 6 mm | 22 | | 71 | 25 | | 31 | | | | 14KETF06MPN |
| | 8 mm | 22 | | 71 | 25 | | 31 | | | | 14KETF08MPN |
| | 9 mm | 22 | | 71 | 25 | | 31 | | | | 14KETF09MPN |
| | 10 mm | 22 | | 71 | 25 | | 31 | | | | 14KETF10MPN |
| | 13 mm | 22 | | 71 | 25 | | 31 | | | | 14KETF13MPN |

## Plugs – without valve — Series 22SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 12 | | 35 | 9 | | | | | | 22SFAK10SXN |
| | R 1/4 | 14 | | 41 | 12 | | | | | | 22SFAK13SXN |
| | R 3/8 | 17 | | 41 | 12 | | | | | | 22SFAK17SXN |
| | R 1/2 | 22 | | 46 | 17 | | | | | | 22SFAK21SXN |
|  Female Thread | G 1/4 | 17 | | 35 | 9 | | | | | | 22SFIW13SXN |
| | G 3/8 | 19 | | 35 | 10 | | | | | | 22SFIW17SXN |
| | G 1/2 | 24 | | 38 | 12 | | | | | | 22SFIW21SXN |
|  Hose Barb | 6 mm | | | 49 | 25 | | 12 | | | | 22SFTF06SXN |
| | 8 mm | | | 49 | 25 | | 12 | | | | 22SFTF08SXN |
| | 9 mm | | | 49 | 25 | | 12 | | | | 22SFTF09SXN |
| | 10 mm | | | 49 | 25 | | 12 | | | | 22SFTF10SXN |
| | 13 mm | | | 49 | 25 | | 12 | | | | 22SFTF13SXN |

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

**Nominal Diameter**

**5,5** = 25 mm²

**Rectus Series**

**18**

**Other designs in series 18**
The following other designs can be found from page:

➤ Brass / Steel P. 50

**Technical Description**
Safety coupling with a self-venting system. Self-venting takes place during disconnection – no risk of pressurised hoses being tossed around. When the sleeve is pulled back, the plug is released yet remains locked in. The coupling valve closes and the air is vented from the air line at the same time. Only then, by operating the sleeve again, can uncoupling take place safely. The system fulfils the requirements of ISO 4414 – increased safety standards in the work place.

**Safety Note**
Reliable functioning can only be guaranteed in conjunction with original Parker Rectus plugs made of steel.

**Working Temperature***
-20°C up to +60°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +60°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

KE Self-Venting System

**Working Pressure****

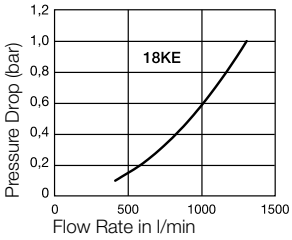
8 bar
** maximum static working pressure with design factor 4 to 1.

**Material**

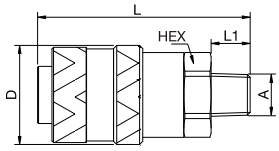
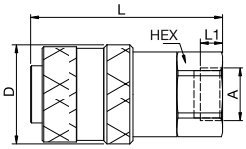
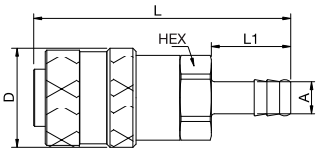
**Coupling:** Brass nickel plated
**Plug:** Steel nickel plated
**Seals:** NBR

**Flow diagrams**

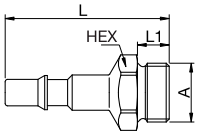
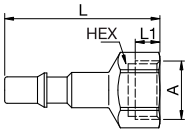
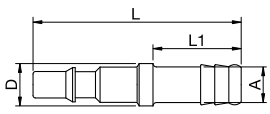
**Air**



## Couplings – with valve — Series 18KE

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 24 | | 67 | 12 | | 30 | | | | 18KEAK13BPN |
| | R 3/8 | 24 | | 67 | 12 | | 30 | | | | 18KEAK17BPN |
| | R 1/2 | 24 | | 72 | 17 | | 30 | | | | 18KEAK21BPN |
|  Female Thread | G 1/4 | 24 | | 63 | 10 | | 30 | | | | 18KEIW13BPN |
| | G 3/8 | 24 | | 60 | 9 | | 30 | | | | 18KEIW17BPN |
| | G 1/2 | 24 | | 65 | 12 | | 30 | | | | 18KEIW21BPN |
|  Hose Barb | 6 mm | 24 | | 81 | 25 | | 30 | | | | 18KETF06BPN |
| | 8 mm | 24 | | 81 | 25 | | 30 | | | | 18KETF08BPN |
| | 9 mm | 24 | | 81 | 25 | | 30 | | | | 18KETF09BPN |
| | 10 mm | 24 | | 81 | 25 | | 30 | | | | 18KETF10BPN |
| | 13 mm | 24 | | 81 | 25 | | 30 | | | | 18KETF13BPN |

## Plugs – without valve — Series 18SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 17 | | 41 | 9 | | | | | | 18SFAW13SXN |
| | G 3/8 | 19 | | 41 | 9 | | | | | | 18SFAW17SXN |
|  Female Thread | G 1/4 | 17 | | 43 | 9 | | | | | | 18SFIW13SXN |
| | G 3/8 | 19 | | 44 | 9 | | | | | | 18SFIW17SXN |
|  Hose Barb | 6 mm | | | 56 | 25 | | 12 | | | | 18SFTF06SXN |
| | 8 mm | | | 56 | 25 | | 12 | | | | 18SFTF08SXN |
| | 9 mm | | | 56 | 25 | | 12 | | | | 18SFTF09SXN |
| | 10 mm | | | 56 | 25 | | 12 | | | | 18SFTF10SXN |
| | 13 mm | | | 56 | 25 | | 12 | | | | 18SFTF13SXN |

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

**Nominal Diameter**

**5,5** = 25 mm²

**Rectus Series**

# 1400

**Technical Description**
Safety coupling 1/4" with a self-venting system according to ISO 6150 B. Self-venting takes place during disconnection – no risk of pressurised hoses being tossed around. When the sleeve is pulled back, the plug is released yet remains locked in. The coupling valve closes and the air is vented from the air line at the same time. Only then, by operating the sleeve again, can uncoupling take place safely. The system fulfils the requirements of ISO 4414 – increased safety standards in the work place. DIN EN 983. UltraFlo valve for optimum flow and low pressure drop.

**Safety Note**
Reliable functioning can only be guaranteed in conjunction with original Parker Rectus plugs made of steel.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Other designs in series 1400**
The following other designs can be found from page:

➤ Brass / Steel P. 62

KE Self-Venting System

## Working Pressure**

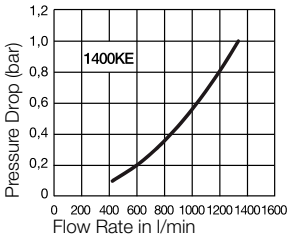
0-12 bar
** maximum static working pressure with design factor 4 to 1.

## Material

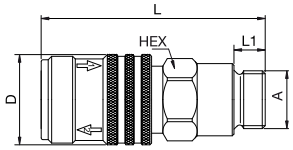
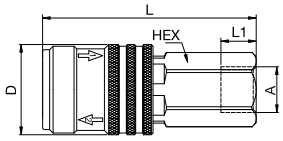
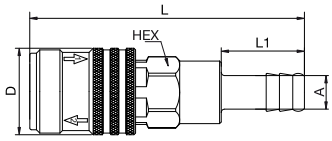
**Coupling:** Brass / Steel nickel plated
**Plug:** Steel nickel plated
**Seals:** NBR

## Flow diagrams

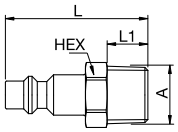
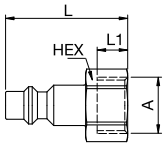
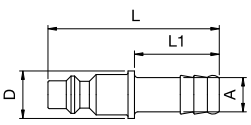
**Air**



## Couplings – with valve — Series 1400KE

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 19 | | 64,5 | 9 | | 26 | | | | 1400KEAW13SPN |
| | G 3/8 | 21 | | 64,5 | 9 | | 26 | | | | 1400KEAW17SPN |
| | G 1/2 | 24 | | 67,5 | 12 | | 26 | | | | 1400KEAW21SPN |
|  Female Thread | G 1/4 | 19 | | 61,5 | 9 | | 26 | | | | 1400KEIW13SPN |
| | G 3/8 | 19 | | 61,5 | 9 | | 26 | | | | 1400KEIW17SPN |
| | G 1/2 | 24 | | 64,5 | 12 | | 26 | | | | 1400KEIW21SPN |
|  Hose Barb | 6 mm | 19 | | 82,5 | 25 | | 26 | | | | 1400KETF06SPN |
| | 8 mm | 19 | | 82,5 | 25 | | 26 | | | | 1400KETF08SPN |
| | 10 mm | 19 | | 82,5 | 25 | | 26 | | | | 1400KETF10SPN |
| | 13 mm | 19 | | 82,5 | 25 | | 26 | | | | 1400KETF13SPN |

## Plugs – without valve — Series 23SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | | 39 | 9 | | | | | | 23SFAK10SXN |
| | R 1/4 | 14 | | 42 | 12 | | | | | | 23SFAK13SXN |
| | R 3/8 | 17 | | 42 | 12 | | | | | | 23SFAK17SXN |
| | R 1/2 | 22 | | 48 | 17 | | | | | | 23SFAK21SXN |
|  Female Thread | G 1/8 | 14 | | 36 | 9 | | | | | | 23SFIW10SXN |
| | G 1/4 | 17 | | 36 | 9 | | | | | | 23SFIW13SXN |
| | G 3/8 | 19 | | 36 | 9 | | | | | | 23SFIW17SXN |
| | G 1/2 | 24 | | 39 | 12 | | | | | | 23SFIW21SXN |
|  Hose Barb | 6 mm | | | 51 | 14 | | 25 | | | | 23SFTF06SXN |
| | 8 mm | | | 51 | 14 | | 25 | | | | 23SFTF08SXN |
| | 9 mm | | | 51 | 14 | | 25 | | | | 23SFTF09SXN |
| | 10 mm | | | 51 | 14 | | 25 | | | | 23SFTF10SXN |
| | 13 mm | | | 51 | 15 | | 25 | | | | 23SFTF13SXN |

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

**Nominal Diameter**

**5,5** = 25 mm²

**Rectus Series**

**24**

**Other designs in series 24**
The following other designs can be found from page:

➤ Brass / Steel P. 70

**Technical Description**
Safety coupling with a self-venting system according to ISO 6150 B. Self-venting takes place during disconnection – no risk of pressurised hoses being tossed around. When the sleeve is pulled back, the plug is released yet remains locked in. The coupling valve closes and the air is vented from the air line at the same time. Only then, by operating the sleeve again, can uncoupling take place safely. The system fulfils the requirements of ISO 4414 – increased safety standards in the work place. The plastic sleeve does not scratch working surfaces.

**Safety Note**
Reliable functioning can only be guaranteed in conjunction with original Parker Rectus plugs made of steel.

**Working Temperature***
-20°C up to +60°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +60°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

KE Self-Venting System

## Working Pressure**

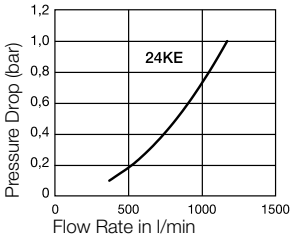
12 bar
** maximum static working pressure with design factor 4 to 1.

## Material

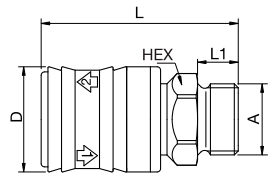
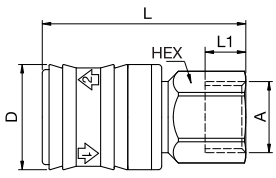
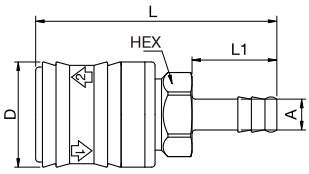
**Coupling:** Brass nickel plated
**Plug:** Steel nickel plated
**Seals:** NBR

## Flow diagrams

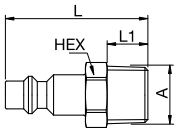
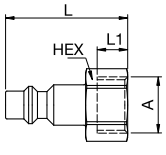
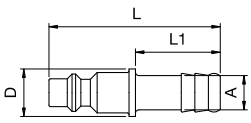
**Air**



## Couplings – with valve — Series 24KE

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 22 | | 58 | 9 | | 31 | | | | 24KEAK13MPN |
| | R 3/8 | 22 | | 58 | 9 | | 31 | | | | 24KEAK17MPN |
| | R 1/2 | 24 | | 63 | 12 | | 31 | | | | 24KEAK21MPN |
|  Female Thread | G 1/4 | 22 | | 57 | 9 | | 31 | | | | 24KEIW13MPN |
| | G 3/8 | 22 | | 57 | 9 | | 31 | | | | 24KEIW17MPN |
|  Hose Barb | 6 mm | 22 | | 71 | 25 | | 31 | | | | 24KETF06MPN |
| | 8 mm | 22 | | 71 | 25 | | 31 | | | | 24KETF08MPN |
| | 9 mm | 22 | | 71 | 25 | | 31 | | | | 24KETF09MPN |
| | 10 mm | 22 | | 71 | 25 | | 31 | | | | 24KETF10MPN |
| | 13 mm | 22 | | 71 | 25 | | 31 | | | | 24KETF13MPN |

## Plugs – without valve — Series 23SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | | 39 | 9 | | | | | | 23SFAK10SXN |
| | R 1/4 | 14 | | 42 | 12 | | | | | | 23SFAK13SXN |
| | R 3/8 | 17 | | 42 | 12 | | | | | | 23SFAK17SXN |
| | R 1/2 | 22 | | 48 | 17 | | | | | | 23SFAK21SXN |
|  Female Thread | G 1/8 | 14 | | 36 | 9 | | | | | | 23SFIW10SXN |
| | G 1/4 | 17 | | 36 | 9 | | | | | | 23SFIW13SXN |
| | G 3/8 | 19 | | 36 | 9 | | | | | | 23SFIW17SXN |
| | G 1/2 | 24 | | 36 | 12 | | | | | | 23SFIW21SXN |
|  Hose Barb | 6 mm | | | 51 | 25 | | 14 | | | | 23SFTF06SXN |
| | 8 mm | | | 51 | 25 | | 14 | | | | 23SFTF08SXN |
| | 9 mm | | | 51 | 25 | | 14 | | | | 23SFTF09SXN |
| | 10 mm | | | 51 | 25 | | 14 | | | | 23SFTF10SXN |
| | 13 mm | | | 51 | 25 | | 14 | | | | 23SFTF13SXN |

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

**Nominal Diameter**

# 7,4 = 43 mm²

**Rectus Series**

# 26

**Other designs in series 26**
The following other designs can be found from page:

➤ Brass / Steel P. 84
➤ Stainless Steel P. 202

**Technical Description**
Safety coupling with a self-venting system. Self-venting takes place during disconnection – no risk of pressurised hoses being tossed around. When the sleeve is pulled back, the plug is released yet remains locked in. The coupling valve closes and the air is vented from the air line at the same time. Only then, by operating the sleeve again, can uncoupling take place safely. The system fulfils the requirements of ISO 4414 – increased safety standards in the work place. The plastic sleeve does not scratch working surfaces.

**Safety Note**
Reliable functioning can only be guaranteed in conjunction with original Parker Rectus plugs made of steel.

**Working Temperature***
-20°C up to +60°C (NBR)
depending on the medium.

* For temperatures below -20°C and over +60°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

KE Self-Venting System

## Working Pressure**

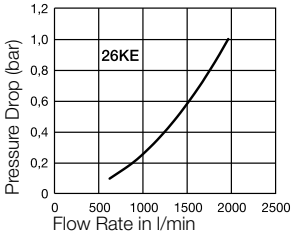
12 bar
** maximum static working pressure with design factor 4 to 1.

## Material

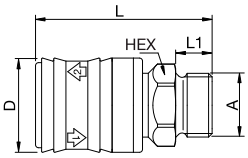
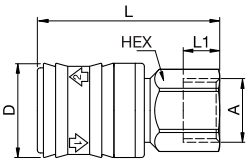
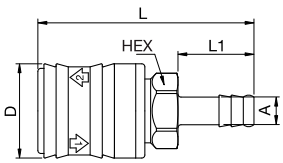
**Coupling:** Brass nickel plated
**Plug:** Steel zinc plated
**Seals:** NBR

## Flow diagrams

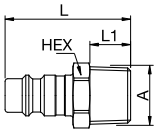
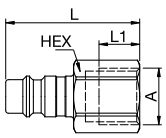
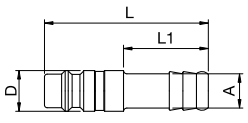
**Air**



## Couplings – with valve — Series 26KE

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 22 | | 55 | 9 | | 31 | | | | 26KEAW13MPN |
| | G 3/8 | 22 | | 55 | 9 | | 31 | | | | 26KEAW17MPN |
| | G 1/2 | 24 | | 58 | 12 | | 31 | | | | 26KEAW21MPN |
|  Female Thread | G 1/4 | 22 | | 57 | 9 | | 31 | | | | 26KEIW13MPN |
| | G 3/8 | 22 | | 57 | 9 | | 31 | | | | 26KEIW17MPN |
| | G 1/2 | 24 | | 60 | 12 | | 31 | | | | 26KEIW21MPN |
|  Hose Barb | 6 mm | 22 | | 71 | 25 | | 31 | | | | 26KETF06MPN |
| | 8 mm | 22 | | 71 | 25 | | 31 | | | | 26KETF08MPN |
| | 9 mm | 22 | | 71 | 25 | | 31 | | | | 26KETF09MPN |
| | 10 mm | 22 | | 71 | 25 | | 31 | | | | 26KETF10MPN |
| | 13 mm | 22 | | 71 | 25 | | 31 | | | | 26KETF13MPN |

## Plugs – without valve — Series 25SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | | 33 | 9 | | | | | | 25SFAK10SXZ |
| | R 1/4 | 14 | | 37 | 12 | | | | | | 25SFAK13SXZ |
| | R 3/8 | 17 | | 37 | 12 | | | | | | 25SFAK17SXZ |
| | R 1/2 | 22 | | 43 | 17 | | | | | | 25SFAK21SXZ |
|  Female Thread | G 1/8 | 14 | | 30 | 7 | | | | | | 25SFIW10SXZ |
| | G 1/4 | 17 | | 33 | 9 | | | | | | 25SFIW13SXZ |
| | G 3/8 | 19 | | 33 | 9 | | | | | | 25SFIW17SXZ |
| | G 1/2 | 24 | | 36 | 12 | | | | | | 25SFIW21SXZ |
|  Hose Barb | 6 mm | | | 48 | 25 | | 12 | | | | 25SFTF06SXZ |
| | 8 mm | | | 48 | 25 | | 12 | | | | 25SFTF08SXZ |
| | 9 mm | | | 48 | 25 | | 12 | | | | 25SFTF09SXZ |
| | 10 mm | | | 48 | 25 | | 12 | | | | 25SFTF10SXZ |
| | 13 mm | | | 48 | 25 | | 12 | | | | 25SFTF13SXZ |

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

**Nominal Diameter**

# 7,8 = 48 mm²

**Rectus Series**

# 1600

**Technical Description**
Safety coupling with a self-venting system. Self-venting takes place during disconnection – no risk of pressurised hoses being tossed around. When the sleeve is pulled back, the plug is released yet remains locked in. The coupling valve closes and the air is vented from the air line at the same time. Only then, by operating the sleeve again, can uncoupling take place safely. The system fulfils the requirements of ISO 4414 – increased safety standards in the work place. DIN EN 983. UltraFlo valve for optimum flow and low pressure drop.

**Safety Note**
Reliable functioning can only be guaranteed in conjunction with original Parker Rectus plugs made of steel.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Other designs in series 1600**
The following other designs can be found from page:

➤ Brass / Steel P. 106

KE Self-Venting System

## Working Pressure**

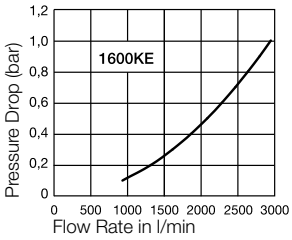
2-12 bar
** maximum static working pressure with design factor 4 to 1.

## Material

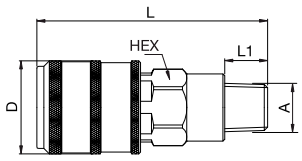
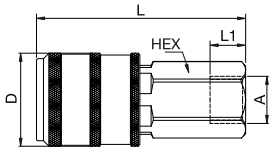
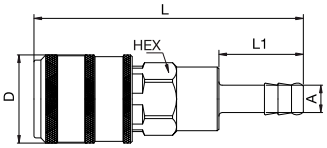
**Coupling:** Brass nickel plated / Steel
**Plug:** Steel zinc plated
**Seals:** NBR

## Flow diagrams

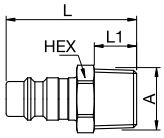
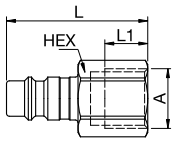
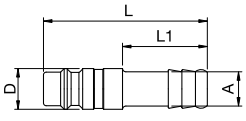
**Air**



## Couplings – with valve — Series 1600KE

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | | 64,5 | 12 | | 26 | | | | 1600KEAK13SPN |
| | R 3/8 | 19 | | 64,5 | 12 | | 26 | | | | 1600KEAK17SPN |
| | R 1/2 | 22 | | 59 | 17 | | 26 | | | | 1600KEAK21SPN |
|  Female Thread | G 1/4 | 19 | | 59 | 10 | | 26 | | | | 1600KEIW13SPN |
| | G 3/8 | 19 | | 59 | 9 | | 26 | | | | 1600KEIW17SPN |
| | G 1/2 | 24 | | 61,5 | 12 | | 26 | | | | 1600KEIW21SPN |
|  Hose Barb | 6 mm | 19 | | 79,5 | 25 | | 26 | | | | 1600KETF06SPN |
| | 9 mm | 19 | | 79,5 | 25 | | 26 | | | | 1600KETF09SPN |
| | 10 mm | 19 | | 79,5 | 25 | | 26 | | | | 1600KETF10SPN |
| | 13 mm | 19 | | 79,5 | 25 | | 26 | | | | 1600KETF13SPN |

## Plugs – without valve — Series 25SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | | 33 | 9 | | | | | | 25SFAK10SXZ |
| | R 1/4 | 14 | | 37 | 12 | | | | | | 25SFAK13SXZ |
| | R 3/8 | 17 | | 37 | 12 | | | | | | 25SFAK17SXZ |
| | R 1/2 | 22 | | 43 | 17 | | | | | | 25SFAK21SXZ |
|  Female Thread | G 1/8 | 14 | | 30 | 7 | | | | | | 25SFIW10SXZ |
| | G 1/4 | 17 | | 38,5 | 9 | | | | | | 25SFIW13SXZ |
| | G 3/8 | 19 | | 39,5 | 9 | | | | | | 25SFIW17SXZ |
| | G 1/2 | 24 | | 44 | 12 | | | | | | 25SFIW21SXZ |
|  Hose Barb | 6 mm | | | 48 | 25 | | 12 | | | | 25SFTF06SXZ |
| | 8 mm | | | 48 | 25 | | 12 | | | | 25SFTF08SXZ |
| | 9 mm | | | 48 | 25 | | 12 | | | | 25SFTF09SXZ |
| | 10 mm | | | 48 | 25 | | 12 | | | | 25SFTF10SXZ |
| | 13 mm | | | 48 | 25 | | 12 | | | | 25SFTF13SXZ |

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

**Nominal Diameter**

# 10 = 80 mm²

**Rectus Series**

# 1700

**Technical Description**
Safety coupling with a self-venting system. Self-venting takes place during disconnection – no risk of pressurised hoses being tossed around. When the sleeve is pulled back, the plug is released yet remains locked in. The coupling valve closes and the air is vented from the air line at the same time. Only then, by operating the sleeve again, can uncoupling take place safely. he system fulfils the requirements of ISO 4414 – increased safety standards in the work place. DIN EN 983. UltraFlo valve for optimum flow and low pressure drop.

**Safety Note**
Reliable functioning can only be guaranteed in conjunction with original Parker Rectus plugs made of steel.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

**Other designs in series 1700**
The following other designs can be found from page:

➤ Brass / Steel P. 134

KE Self-Venting System

## Working Pressure**

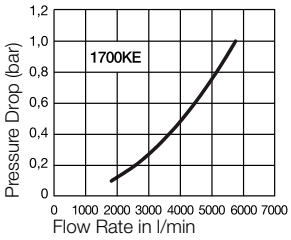
0-12 bar
** maximum static working pressure with design factor 4 to 1.

## Material

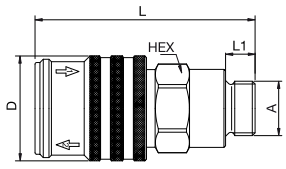
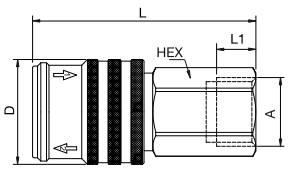
**Coupling:** Brass / Steel nickel plated
**Plug:** Steel nickel plated
**Seals:** NBR

## Flow diagrams

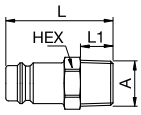
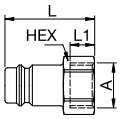
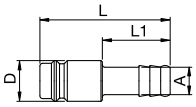
**Air**



## Couplings – with valve — Series 1700KE

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 3/8 | 24 | | 67 | 9 | | 32 | | | | 1700KEAW17SPN |
| | G 1/2 | 24 | | 70 | 12 | | 32 | | | | 1700KEAW21SPN |
| | G 3/4 | 30 | | 74 | 16 | | 32 | | | | 1700KEAW26SPN |
|  Female Thread | G 3/8 | 24 | | 64,5 | 12 | | 32 | | | | 1700KEIW17SPN |
| | G 1/2 | 24 | | 68 | 12 | | 32 | | | | 1700KEIW21SPN |
| | G 3/4 | 32 | | 74 | 16 | | 32 | | | | 1700KEIW26SPN |

## Plugs – without valve — Series 27SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 17 | | 40 | 12 | | | | | | 27SFAK13SXN |
| | R 3/8 | 17 | | 40 | 12 | | | | | | 27SFAK17SXN |
| | R 1/2 | 22 | | 45 | 17 | | | | | | 27SFAK21SXN |
| | R 3/4 | 27 | | 48 | 19 | | | | | | 27SFAK26SXN |
|  Female Thread | G 1/4 | 17 | | 33 | 9 | | | | | | 27SFIW13SXN |
| | G 3/8 | 19 | | 33 | 9 | | | | | | 27SFIW17SXN |
| | G 1/2 | 24 | | 37 | 12 | | | | | | 27SFIW21SXN |
| | G 3/4 | 32 | | 42 | 16 | | | | | | 27SFIW26SXN |
|  Hose Barb | 6 mm | | | 48 | 25 | | 15 | | | | 27SFTF06SXN |
| | 8 mm | | | 48 | 25 | | 15 | | | | 27SFTF08SXN |
| | 9 mm | | | 48 | 25 | | 15 | | | | 27SFTF09SXN |
| | 10 mm | | | 48 | 25 | | 15 | | | | 27SFTF10SXN |
| | 13 mm | | | 48 | 25 | | 15 | | | | 27SFTF13SXN |
| | 16 mm | | | 49 | 25 | | 18 | | | | 27SFTF16SXN |
| | 19 mm | | | 49 | 25 | | 18 | | | | 27SFTF19SXN |

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

**Nominal Diameter**

**5** = 20 mm²

**Rectus Series**

**21**

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


- ➤ Brass / Steel P. 30
- ➤ Stainless Steel P. 192
- ➤ Thermoplastic P. 232
- ➤ Medical Technology (MD) P. 256
- ➤ Safety P. 270


**Technical Description**
Coded industrial coupling system developed on the basis of series 21 with above-average flow rate for liquid and gaseous media.
Coupling system with single-hand operation. The mechanical coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling, which is complemented by the color coding of the anodised sleeves.
Double shut-off version available on request.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

## KA Single Shut-Off

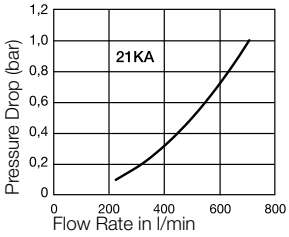
**Working Pressure****
35 bar
** maximum static working pressure with design factor 4 to 1.

**Material**
**Coupling:** Brass
**Plug:** Brass or Brass nickel plated
**Seals:** NBR

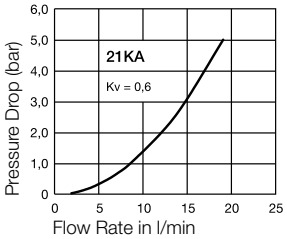
**Interchangeability**
- Rectus Design

**Flow diagrams**

**Air**

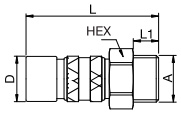
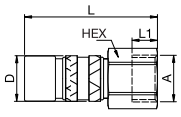
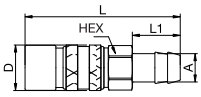
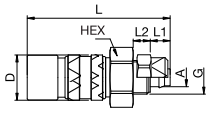
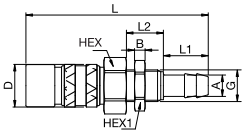



**Water**



# Couplings – with valve

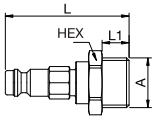
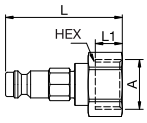
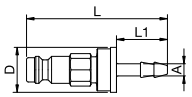
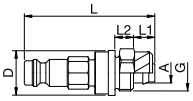
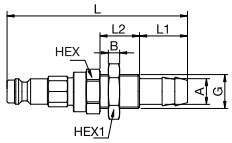
## Series 21KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number | Part Number | Part Number | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 47 | 7 | | 16 | | | blank | 21KAAW10MPX0 | 21KAAW10MPX3 | 21KAAW10MPX6 | 21KAAW10MPX8 |
| | G 1/8 | 14 | | 47 | 7 | | 16 | | | nickel plated | 21KAAW10MPN0 | 21KAAW10MPN3 | 21KAAW10MPN6 | 21KAAW10MPN8 |
| | G 1/4 | 17 | | 47 | 9 | | 16 | | | blank | 21KAAW13MPX0 | 21KAAW13MPX3 | 21KAAW13MPX6 | 21KAAW13MPX8 |
| | G 1/4 | 17 | | 47 | 9 | | 16 | | | nickel plated | 21KAAW13MPN0 | 21KAAW13MPN3 | 21KAAW13MPN6 | 21KAAW13MPN8 |
|  Female Thread | G 1/8 | 14 | | 47 | 7 | | 16 | | | blank | 21KAIW10MPX0 | 21KAIW10MPX3 | 21KAIW10MPX6 | 21KAIW10MPX8 |
| | G 1/8 | 14 | | 47 | 7 | | 16 | | | nickel plated | 21KAIW10MPN0 | 21KAIW10MPN3 | 21KAIW10MPN6 | 21KAIW10MPN8 |
| | G 1/4 | 17 | | 47 | 9 | | 16 | | | blank | 21KAIW13MPX0 | 21KAIW13MPX3 | 21KAIW13MPX6 | 21KAIW13MPX8 |
| | G 1/4 | 17 | | 47 | 9 | | 16 | | | nickel plated | 21KAIW13MPN0 | 21KAIW13MPN3 | 21KAIW13MPN6 | 21KAIW13MPN8 |
|  Hose Barb | 4 mm | 14 | | 69 | 17 | | 16 | | | blank | 21KATF04MPX0 | 21KATF04MPX3 | 21KATF04MPX6 | 21KATF04MPX8 |
| | 4 mm | 14 | | 69 | 17 | | 16 | | | nickel plated | 21KATF04MPN0 | 21KATF04MPN3 | 21KATF04MPN6 | 21KATF04MPN8 |
| | 6 mm | 14 | | 69 | 17 | | 16 | | | blank | 21KATF06MPX0 | 21KATF06MPX3 | 21KATF06MPX6 | 21KATF06MPX8 |
| | 6 mm | 14 | | 69 | 17 | | 16 | | | nickel plated | 21KATF06MPN0 | 21KATF06MPN3 | 21KATF06MPN6 | 21KATF06MPN8 |
| | 8 mm | 14 | | 69 | 17 | | 16 | | | blank | 21KATF08MPX0 | 21KATF08MPX3 | 21KATF08MPX6 | 21KATF08MPX8 |
| | 8 mm | 14 | | 69 | 17 | | 16 | | | nickel plated | 21KATF08MPN0 | 21KATF08MPN3 | 21KATF08MPN6 | 21KATF08MPN8 |
| | 9 mm | 14 | | 69 | 17 | | 16 | | | blank | 21KATF09MPX0 | 21KATF09MPX3 | 21KATF09MPX6 | 21KATF09MPX8 |
|  with Plastic Hose Connection | 4 x 6 mm | 14 | | 51 | 7 | 6 | 16 | | M10x1 | blank | 21KAKO06MPX0 | 21KAKO06MPX3 | 21KAKO06MPX6 | 21KAKO06MPX8 |
| | 4 x 6 mm | 14 | | 51 | 7 | 6 | 16 | | M10x1 | nickel plated | 21KAKO06MPN0 | 21KAKO06MPN3 | 21KAKO06MPN6 | 21KAKO06MPN8 |
| | 6 x 8 mm | 14 | | 51 | 7 | 6 | 16 | | M12x1 | blank | 21KAKO08MPX0 | 21KAKO08MPX3 | 21KAKO08MPX6 | 21KAKO08MPX8 |
| | 6 x 8 mm | 14 | | 51 | 7 | 6 | 16 | | M12x1 | nickel plated | 21KAKO08MPN0 | 21KAKO08MPN3 | 21KAKO08MPN6 | 21KAKO08MPN8 |
|  Panel Mount with Hose Barb | 4 mm | 14 | 14 | 69 | 14 | 17 | 16 | 4 | M10x1 | blank | 21KATS04MPX0 | 21KATS04MPX3 | 21KATS04MPX6 | 21KATS04MPX8 |
| | 4 mm | 14 | 14 | 69 | 14 | 17 | 16 | 4 | M10x1 | nickel plated | 21KATS04MPN0 | 21KATS04MPN3 | 21KATS04MPN6 | 21KATS04MPN8 |
| | 6 mm | 14 | 17 | 69 | 14 | 17 | 16 | 4 | M12x1 | blank | 21KATS06MPX0 | 21KATS06MPX3 | 21KATS06MPX6 | 21KATS06MPX8 |
| | 6 mm | 14 | 17 | 69 | 14 | 17 | 16 | 4 | M12x1 | nickel plated | 21KATS06MPN0 | 21KATS06MPN3 | 21KATS06MPN6 | 21KATS06MPN8 |
| | 8 mm | 14 | 17 | 69 | 14 | 17 | 16 | 4 | M12x1 | blank | 21KATS08MPX0 | 21KATS08MPX3 | 21KATS08MPX6 | 21KATS08MPX8 |

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

# Plugs – without valve

## Series 21KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | ● Part Number | ▲ Part Number | ⬢ Part Number | ⬢ Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 17 | | 39,5 | 7 | | | | | blank | 21SFAW10MXX0 | 21SFAW10MXX3 | 21SFAW10MXX6 | 21SFAW10MXX8 |
| | G 1/8 | 17 | | 39,5 | 7 | | | | | nickel plated | 21SFAW10MXN0 | 21SFAW10MXN3 | 21SFAW10MXN6 | 21SFAW10MXN8 |
| | G 1/4 | 17 | | 41,5 | 9 | | | | | blank | 21SFAW13MXX0 | 21SFAW13MXX3 | 21SFAW13MXX6 | 21SFAW13MXX8 |
| | G 1/4 | 17 | | 41,5 | 9 | | | | | nickel plated | 21SFAW13MXN0 | 21SFAW13MXN3 | 21SFAW13MXN6 | 21SFAW13MXN8 |
|  Female Thread | G 1/8 | 17 | | 38,5 | 5 | | | | | blank | 21SFIW10MXX0 | 21SFIW10MXX3 | 21SFIW10MXX6 | 21SFIW10MXX8 |
| | G 1/8 | 17 | | 38,5 | 5 | | | | | nickel plated | 21SFIW10MXN0 | 21SFIW10MXN3 | 21SFIW10MXN6 | 21SFIW10MXN8 |
| | G 1/4 | 17 | | 39 | 7 | | | | | blank | 21SFIW13MXX0 | 21SFIW13MXX3 | 21SFIW13MXX6 | 21SFIW13MXX8 |
| | G 1/4 | 17 | | 39 | 7 | | | | | nickel plated | 21SFIW13MXN0 | 21SFIW13MXN3 | 21SFIW13MXN6 | 21SFIW13MXN8 |
|  Hose Barb | 4 mm | | | 47 | 17 | | 15 | | | blank | 21SFTF04MXX0 | 21SFTF04MXX3 | 21SFTF04MXX6 | 21SFTF04MXX8 |
| | 4 mm | | | 47 | 17 | | 15 | | | nickel plated | 21SFTF04MXN0 | 21SFTF04MXN3 | 21SFTF04MXN6 | 21SFTF04MXN8 |
| | 6 mm | | | 47 | 17 | | 15 | | | blank | 21SFTF06MXX0 | 21SFTF06MXX3 | 21SFTF06MXX6 | 21SFTF06MXX8 |
| | 6 mm | | | 47 | 17 | | 15 | | | nickel plated | 21SFTF06MXN0 | 21SFTF06MXN3 | 21SFTF06MXN6 | 21SFTF06MXN8 |
|  with Plastic Hose Connection | 4 x 6 mm | | | 43 | 7 | 6 | 15 | | M10x1 | blank | 21SFKO06MXX0 | 21SFKO06MXX3 | 21SFKO06MXX6 | 21SFKO06MXX8 |
| | 4 x 6 mm | | | 43 | 7 | 6 | 15 | | M10x1 | nickel plated | 21SFKO06MXN0 | 21SFKO06MXN3 | 21SFKO06MXN6 | 21SFKO06MXN8 |
| | 6 x 8 mm | | | 43,5 | 7 | 6 | 15 | | M12x1 | blank | 21SFKO08MXX0 | 21SFKO08MXX3 | 21SFKO08MXX6 | 21SFKO08MXX8 |
| | 6 x 8 mm | | | 43,5 | 7 | 6 | 15 | | M12x1 | nickel plated | 21SFKO08MXN0 | 21SFKO08MXN3 | 21SFKO08MXN6 | 21SFKO08MXN8 |
|  Panel Mount with Hose Barb | 4 mm | 17 | 14 | 63 | 17 | 14 | | 4 | M10x1 | blank | 21SFTS04MXX0 | 21SFTS04MXX3 | 21SFTS04MXX6 | 21SFTS04MXX8 |
| | 4 mm | 17 | 14 | 63 | 17 | 14 | | 4 | M10x1 | nickel plated | 21SFTS04MXN0 | 21SFTS04MXN3 | 21SFTS04MXN6 | 21SFTS04MXN8 |
| | 6 mm | 17 | 17 | 63 | 17 | 14 | | 4 | M12x1 | blank | 21SFTS06MXX0 | 21SFTS06MXX3 | 21SFTS06MXX6 | 21SFTS06MXX8 |
| | 6 mm | 17 | 17 | 63 | 17 | 14 | | 4 | M12x1 | nickel plated | 21SFTS06MXN0 | 21SFTS06MXN3 | 21SFTS06MXN6 | 21SFTS06MXN8 |

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

**Nominal Diameter**

# 7,8 = 48 mm²

**Rectus Series**

# 25

**Other designs in series 25**
The following other designs can be found from page:


➤ Brass / Steel P. 98
➤ Stainless Steel P. 208
➤ Safety P. 274
➤ Safety Self-Venting P. 294


**Technical Description**
Coded industrial coupling system developed on the basis of series 25.
Coupling system with single-hand operation. UltraFlo valve for optimum flow and low pressure drop. The mechanical coding of the coupling and plug offers a guarantee for avoiding mix-ups between media when coupling, which is complemented by the color coding of the anodised sleeves. Double shut-off and straight-through couplings are available upon request. Cannot be interconnected with the Rectus standard 25 series.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

## KA Single Shut-Off

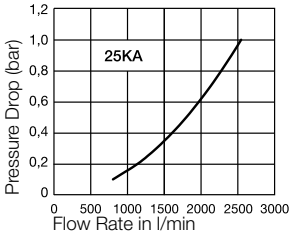
### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

### Material
**Coupling:** Brass
**Plug:** Brass or Brass nickel plated
**Seals:** NBR

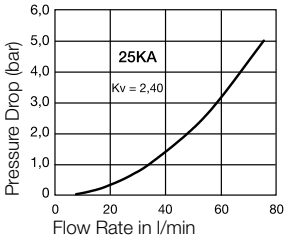
### Interchangeability
• Rectus Design

### Flow diagrams

**Air**

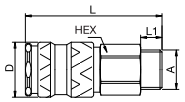
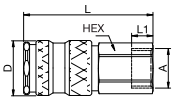
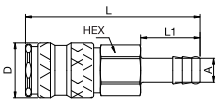
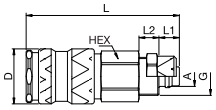



**Water**



# Couplings – with valve

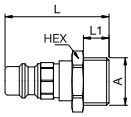
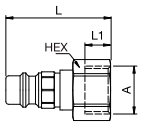
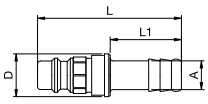
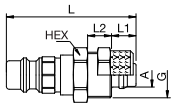
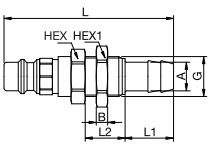
## Series 25KA

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | ● Part Number | ▲ Part Number | ⬢ Part Number | ⬢ Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 19 | | 57,5 | 12 | | 23 | | | blank | 25KAAW13BPX0 | 25KAAW13BPX3 | 25KAAW13BPX6 | 25KAAW13BPX8 |
| | G 1/4 | 19 | | 57,5 | 12 | | 23 | | | nickel plated | 25KAAW13BPN0 | 25KAAW13BPN3 | 25KAAW13BPN6 | 25KAAW13BPN8 |
| | G 3/8 | 19 | | 57,5 | 12 | | 23 | | | blank | 25KAAW17BPX0 | 25KAAW17BPX3 | 25KAAW17BPX6 | 25KAAW17BPX8 |
| | G 3/8 | 19 | | 57,5 | 12 | | 23 | | | nickel plated | 25KAAW17BPN0 | 25KAAW17BPN3 | 25KAAW17BPN6 | 25KAAW17BPN8 |
| | G 1/2 | 22 | | 61 | 17 | | 23 | | | blank | 25KAAW21BPX0 | 25KAAW21BPX3 | 25KAAW21BPX6 | 25KAAW21BPX8 |
| | G 1/2 | 22 | | 61 | 17 | | 23 | | | nickel plated | 25KAAW21BPN0 | 25KAAW21BPN3 | 25KAAW21BPN6 | 25KAAW21BPN8 |
|  Female Thread | G 1/4 | 19 | | 55 | 10 | | 23 | | | blank | 25KAIW13BPX0 | 25KAIW13BPX3 | 25KAIW13BPX6 | 25KAIW13BPX8 |
| | G 1/4 | 19 | | 55 | 10 | | 23 | | | nickel plated | 25KAIW13BPN0 | 25KAIW13BPN3 | 25KAIW13BPN6 | 25KAIW13BPN8 |
| | G 3/8 | 19 | | 55 | 9 | | 23 | | | blank | 25KAIW17BPX0 | 25KAIW17BPX3 | 25KAIW17BPX6 | 25KAIW17BPX8 |
| | G 3/8 | 19 | | 55 | 9 | | 23 | | | nickel plated | 25KAIW17BPN0 | 25KAIW17BPN3 | 25KAIW17BPN6 | 25KAIW17BPN8 |
| | G 1/2 | 24 | | 58 | 12 | | 23 | | | blank | 25KAIW21BPX0 | 25KAIW21BPX3 | 25KAIW21BPX6 | 25KAIW21BPX8 |
| | G 1/2 | 24 | | 58 | 12 | | 23 | | | nickel plated | 25KAIW21BPN0 | 25KAIW21BPN3 | 25KAIW21BPN6 | 25KAIW21BPN8 |
|  Hose Barb | 6 mm | 19 | | 74 | 25 | | 23 | | | blank | 25KATF06BPX0 | 25KATF06BPX3 | 25KATF06BPX6 | 25KATF06BPX8 |
| | 6 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 25KATF06BPN0 | 25KATF06BPN3 | 25KATF06BPN6 | 25KATF06BPN8 |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | blank | 25KATF09BPX0 | 25KATF09BPX3 | 25KATF09BPX6 | 25KATF09BPX8 |
| | 9 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 25KATF09BPN0 | 25KATF09BPN3 | 25KATF09BPN6 | 25KATF09BPN8 |
| | 13 mm | 19 | | 74 | 25 | | 23 | | | blank | 25KATF13BPX0 | 25KATF13BPX3 | 25KATF13BPX6 | 25KATF13BPX8 |
| | 13 mm | 19 | | 74 | 25 | | 23 | | | nickel plated | 25KATF13BPN0 | 25KATF13BPN3 | 25KATF13BPN6 | 25KATF13BPN8 |
|  with Plastic Hose Connection | 6 x 8 mm | 19 | | 61 | 7 | 6 | 23 | | M12x1 | blank | 25KAKO08BPX0 | 25KAKO08BPX3 | 25KAKO08BPX6 | 25KAKO08BPX8 |
| | 6 x 8 mm | 19 | | 61 | 7 | 6 | 23 | | M12x1 | nickel plated | 25KAKO08BPN0 | 25KAKO08BPN3 | 25KAKO08BPN6 | 25KAKO08BPN8 |
| | 8 x 10 mm | 19 | | 65 | 9 | 8 | 23 | | M16x1 | blank | 25KAKO10BPX0 | 25KAKO10BPX3 | 25KAKO10BPX6 | 25KAKO10BPX8 |
| | 8 x 10 mm | 19 | | 65 | 9 | 8 | 23 | | M16x1 | nickel plated | 25KAKO10BPN0 | 25KAKO10BPN3 | 25KAKO10BPN6 | 25KAKO10BPN8 |

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

# Plugs – without valve

## Series 26SF

| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number | Part Number | Part Number | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/4 | 17 | | 36,5 | 9 | | | | | blank | 26SFAW13MXX0 | 26SFAW13MXX3 | 26SFAW13MXX6 | 26SFAW13MXX8 |
| | G 1/4 | 17 | | 36,5 | 9 | | | | | nickel plated | 26SFAW13MXN0 | 26SFAW13MXN3 | 26SFAW13MXN6 | 26SFAW13MXN8 |
| | G 3/8 | 19 | | 41,5 | 12 | | | | | blank | 26SFAW17MXX0 | 26SFAW17MXX3 | 26SFAW17MXX6 | 26SFAW17MXX8 |
| | G 3/8 | 19 | | 41,5 | 12 | | | | | nickel plated | 26SFAW17MXN0 | 26SFAW17MXN3 | 26SFAW17MXN6 | 26SFAW17MXN8 |
|  Female Thread | G 1/4 | 17 | | 36,5 | 8 | | | | | blank | 26SFIW13MXX0 | 26SFIW13MXX3 | 26SFIW13MXX6 | 26SFIW13MXX8 |
| | G 1/4 | 17 | | 36,5 | 8 | | | | | nickel plated | 26SFIW13MXN0 | 26SFIW13MXN3 | 26SFIW13MXN6 | 26SFIW13MXN8 |
| | G 3/8 | 19 | | 36,5 | 8 | | | | | blank | 26SFIW17MXX0 | 26SFIW17MXX3 | 26SFIW17MXX6 | 26SFIW17MXX8 |
| | G 3/8 | 19 | | 36,5 | 8 | | | | | nickel plated | 26SFIW17MXN0 | 26SFIW17MXN3 | 26SFIW17MXN6 | 26SFIW17MXN8 |
|  Hose Barb | 6 mm | | | 50,5 | 25 | | 15 | | | blank | 26SFTF06MXX0 | 26SFTF06MXX3 | 26SFTF06MXX6 | 26SFTF06MXX8 |
| | 6 mm | | | 50,5 | 25 | | 15 | | | nickel plated | 26SFTF06MXN0 | 26SFTF06MXN3 | 26SFTF06MXN6 | 26SFTF06MXN8 |
| | 9 mm | | | 50,5 | 25 | | 15 | | | blank | 26SFTF09MXX0 | 26SFTF09MXX3 | 26SFTF09MXX6 | 26SFTF09MXX8 |
| | 9 mm | | | 50,5 | 25 | | 15 | | | nickel plated | 26SFTF09MXN0 | 26SFTF09MXN3 | 26SFTF09MXN6 | 26SFTF09MXN8 |
| | 13 mm | | | 50,5 | 25 | | 15 | | | blank | 26SFTF13MXX0 | 26SFTF13MXX3 | 26SFTF13MXX6 | 26SFTF13MXX8 |
| | 13 mm | | | 50,5 | 25 | | 15 | | | nickel plated | 26SFTF13MXN0 | 26SFTF13MXN3 | 26SFTF13MXN6 | 26SFTF13MXN8 |
|  with Plastic Hose Connection | 6 x 8 mm | | | 43,5 | 7 | 6 | 15 | | M12x1 | blank | 26SFKO08MXX0 | 26SFKO08MXX3 | 26SFKO08MXX6 | 26SFKO08MXX8 |
| | 6 x 8 mm | | | 43,5 | 7 | 6 | 15 | | M12x1 | nickel plated | 26SFKO08MXN0 | 26SFKO08MXN3 | 26SFKO08MXN6 | 26SFKO08MXN8 |
| | 8 x 10 mm | 17 | | 43,5 | 8,5 | 8,5 | | | M16x1 | blank | 26SFKO10MXX0 | 26SFKO10MXX3 | 26SFKO10MXX6 | 26SFKO10MXX8 |
| | 8 x 10 mm | 17 | | 43,5 | 8,5 | 8,5 | | | M16x1 | nickel plated | 26SFKO10MXN0 | 26SFKO10MXN3 | 26SFKO10MXN6 | 26SFKO10MXN8 |
|  Panel Mount with Hose Barb | 6 mm | 17 | 17 | 60 | 17 | 14 | | 4 | M12x1 | blank | 26SFTS06MXX0 | 26SFTS06MXX3 | 26SFTS06MXX6 | 26SFTS06MXX8 |
| | 6 mm | 17 | 17 | 60 | 17 | 14 | | 4 | M12x1 | nickel plated | 26SFTS06MXN0 | 26SFTS06MXN3 | 26SFTS06MXN6 | 26SFTS06MXN8 |

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

**Nominal Diameter**

# 7,4 = 42 mm²

**Rectus Series**

# 65-67

**Technical Description**
Quick connect coupling system with coding developed specifically for use with fuel gas and oxygen on pressure regulators / welding torches etc. Our „RectuKey“ coding system prevents mixing up media. Up to three different media can be safely (non-interchangeable) connected with the standard version.

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

* For temperatures below -20°C and over +100°C and depending on the medium, other seal variants (FKM, EPDM, FFKM) are available.

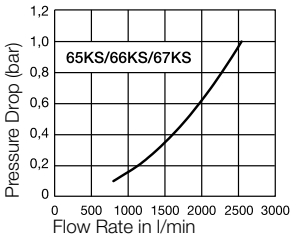
## KS Single Shut-Off

### Working Pressure**
35 bar
** maximum static working pressure with design factor 4 to 1.

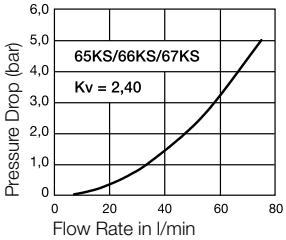
### Material
**Coupling:** Brass ungreased
**Plug:** Brass ungreased
**Seals:** FKM or EPDM

### Flow diagrams

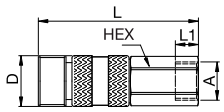
**Air**



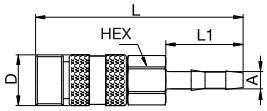

**Water**



## Couplings – with valve — Series 65-67KS



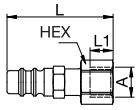

Female Thread



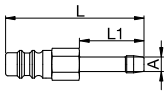

Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | Seal | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 right | 19 | | 69,5 | 10 | | 22 | | FKM | Oxygen | 65KSIW13MVX |
| G 3/8 right | 19 | | 69,5 | 9 | | 22 | | FKM | Oxygen | 65KSIW17MVX |
| G 1/4 left | 19 | | 69,5 | 10 | | 22 | | EPDM | Fuel gas | 66KSIL13MEX |
| G 3/8 left | 19 | | 69,5 | 10 | | 22 | | EPDM | Fuel gas | 66KSIL17MEX |
| G 1/4 left | 19 | | 69,5 | 10 | | 22 | | FKM | Var. Media | 67KSIL13MVX |
| G 3/8 left | 19 | | 69,5 | 10 | | 22 | | FKM | Var. Media | 67KSIL17MVX |
| 6 mm | 19 | | 90 | 33 | | 22 | | FKM | Oxygen | 65KSTF06MVX |
| 9 mm | 19 | | 90 | 33 | | 22 | | FKM | Oxygen | 65KSTF09MVX |
| 6 mm | 19 | | 90 | 33 | | 22 | | EPDM | Fuel gas | 66KSTF06MEX |
| 9 mm | 19 | | 90 | 33 | | 22 | | EPDM | Fuel gas | 66KSTF09MEX |
| 6 mm | 19 | | 90 | 33 | | 22 | | FKM | Var. Media | 67KSTF06MVX |
| 9 mm | 19 | | 90 | 33 | | 22 | | FKM | Var. Media | 67KSTF09MVX |

## Plugs – without valve — Series 65-67KS




Female Thread




Hose Barb

| Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | Seal | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|
| G 1/4 right | 17 | | 46 | 10 | | | | | Oxygen | 65SSIW13MXX |
| G 3/8 right | 19 | | 46 | 10 | | | | | Oxygen | 65SSIW17MXX |
| G 1/4 left | 17 | | 46 | 10 | | | | | Fuel gas | 66SSIL13MXX |
| G 3/8 left | 19 | | 46 | 10 | | | | | Fuel gas | 66SSIL17MXX |
| G 1/4 left | 17 | | 46 | 10 | | | | | Var. Media | 67SSIL13MXX |
| G 3/8 left | 19 | | 46 | 10 | | | | | Var. Media | 67SSIL17MXX |
| 6 mm | | | 60 | 28 | | | | | Oxygen | 65SSTF06MXX |
| 9 mm | | | 60 | 28 | | | | | Oxygen | 65SSTF09MXX |
| 6 mm | | | 60 | 28 | | | | | Fuel gas | 66SSTF06MXX |
| 9 mm | | | 60 | 28 | | | | | Fuel gas | 66SSTF09MXX |
| 6 mm | | | 60 | 28 | | | | | Var. Media | 67SSTF06MXX |
| 9 mm | | | 60 | 28 | | | | | Var. Media | 67SSTF09MXX |

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

Accessories

# Components

## Threaded Nut

DIN EN 560
(left handed thread marked)

* only for STP13/09
** only to use with Male x Male Nipples marked
*** shortened version, useable for all sizes

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| G 1/8 right | 12 | 11 | Brass | UR10 |
| G 1/8 right | 12 | 11 | AISI 303 | UR10R |
| G 1/4 right | 17 | 15,5 | Brass | UR13 |
| G 1/4 right | 17 | 15,5 | AISI 303 | UR13R |
| G 1/4 right | 17 | 15,5 | AISI 316 L | UR13E |
| G 3/8 right | 19 | 16,5 | Brass | UR17 |
| G 3/8 right | 19 | 14,5 | Brass | UR17S *** |
| G 3/8 right | 19 | 16,5 | AISI 303 | UR17R |
| G 3/8 right | 19 | 16,5 | AISI 316 L | UR17E |
| G 1/4 r. f. 9 mm | 17 | 15,5 | Brass | UR13/9 * |
| G 1/4 r. f. 9 mm | 17 | 15,5 | AISI 303 | UR13/9R * |
| G 1/2 right | 24 | 20,5 | Brass | UR21 |
| G 1/2 right | 24 | 20,5 | AISI 303 | UR21R |
| G 1/2 right | 24 | 20,5 | AISI 316 L | UR21E |
| G 1/4 left | 17 | 15,5 | Brass | UL13 |
| G 1/4 left | 17 | 15,5 | AISI 303 | UL13R |
| G 3/8 left | 19 | 16,5 | Brass | UL17 ** |
| G 3/8 left | 19 | 16,5 | AISI 303 | UL17R |
| G 3/8 left | 19 | 16,5 | AISI 316 L | UL17E |
| G 1/2 left | 24 | 20,5 | Brass | UL21 |

## Hose Tail, short

* UR13/9 required

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| 4 mm for G 1/8 | | 27,5 | Brass | STP10/04 |
| 4 mm for G 1/8 | | 27,5 | AISI 303 | STP10/04R |
| 6 mm for G 1/8 | | 28 | Brass | STP10/06 |
| 6 mm for G 1/8 | | 28 | AISI 303 | STP10/06R |
| | | | | |
| 4 mm for G 1/4 | | 30,5 | Brass | STP13/04 |
| 4 mm for G 1/4 | | 30,5 | AISI 303 | STP13/04R |
| 6 mm for G 1/4 | | 35,5 | Brass | STP13/06 |
| 6 mm for G 1/4 | | 35,5 | AISI 303 | STP13/06R |
| 6 mm for G 1/4 | | 35,5 | AISI 316 L | STP13/06E |
| 9 mm for G 1/4 | | 35,5 | Brass | STP13/09 * |
| 9 mm for G 1/4 | | 35,5 | AISI 303 | STP13/09R * |
| | | | | |

## Hose Tail, short

* UR13/9 required

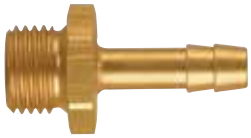
| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| 4 mm for G 3/8 | | 31 | Brass | STP17/04 |
| 6 mm for G 3/8 | | 36 | Brass | STP17/06 |
| 6 mm for G 3/8 | | 36 | AISI 303 | STP17/06R |
| 6 mm for G 3/8 | | 36 | AISI 316 L | STP17/06E |
| 9 mm for G 3/8 | | 36 | Brass | STP17/09 |
| 9 mm for G 3/8 | | 36 | AISI 303 | STP17/09R |
| 9 mm for G 3/8 | | 36 | AISI 316 L | STP17/09E |
| 6 mm for G 1/2 | | 38 | Brass | STP21/06 |
| 9 mm for G 1/2 | | 38 | Brass | STP21/09 |
| 9 mm for G 1/2 | | 38 | AISI 303 | STP21/09R |
| 9 mm for G 1/2 | | 38 | AISI 316 L | STP21/09E |
| 13 mm for G 1/2 | | 44 | Brass | STP21/13 |

## Hose Tail, long

DIN EN 560

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| 4 mm for G 1/4 | | 47 | Brass | STD13/04 |
| 6 mm for G 1/4 | | 47 | Brass | STD13/06 |
| 4 mm for G 3/8 | | 47,5 | Brass | STD17/04 |
| 6 mm for G 3/8 | | 47,5 | Brass | STD17/06 |
| 9 mm for G 3/8 | | 47,5 | Brass | STD17/09 |

## Hose Tail Barb

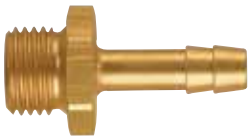


with Male Thread
(* inner cone 45°)

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| M 5, 3 mm | 7 | 15,5 | Brass | GT05/03 |
| M 5, 3 mm | 7 | 15,5 | AISI 303 | GT05/03R |
| M 5, 3 mm | 7 | 15,5 | AISI 316 L | GT05/03E |
| M 5, 4 mm | 7 | 15,5 | Brass | GT05/04 |
| M 5, 4 mm | 7 | 15,5 | AISI 303 | GT05/04R |
| M 5, 4 mm | 7 | 15,5 | AISI 316 L | GT05/04E |
| M 6, 4 mm | 8 | 23 | Brass | GT06/04 |
| G 1/8, 4 mm * | 14 | 28 | Brass | GT10/04 |
| G 1/8, 4 mm * | 14 | 28 | AISI 303 | GT10/04R |
| G 1/8, 4 mm * | 14 | 28 | AISI 316 L | GT10/04E |
| G 1/8, 6 mm * | 14 | 33 | Brass | GT10/06 |
| G 1/8, 6 mm * | 14 | 33 | AISI 303 | GT10/06R |
| G 1/8, 6 mm * | 14 | 33 | AISI 316 L | GT10/06E |

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

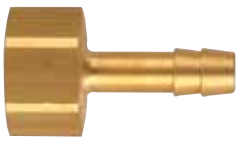
# Hose Tail Barb



with Male Thread
(* inner cone 45°)

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| G 1/8, 8 mm * | 14 | 33 | Brass | GT10/08 |
| | | | | |
| G 1/8, 9 mm * | 14 | 33 | Brass | GT10/09 |
| G 1/8, 9 mm * | 14 | 33 | AISI 303 | GT10/09R |
| G 1/8, 9 mm * | 14 | 33 | AISI 316 L | GT10/09E |
| G 1/4, 4 mm * | 17 | 29,5 | Brass | GT13/04 |
| G 1/4, 4 mm * | 17 | 29,5 | AISI 303 | GT13/04R |
| G 1/4, 4 mm * | 17 | 29,5 | AISI 316 L | GT13/04E |
| G 1/4, 6 mm * | 17 | 34,5 | Brass | GT13/06 |
| G 1/4, 6 mm * | 17 | 34,5 | AISI 303 | GT13/06R |
| G 1/4, 6 mm * | 17 | 34,5 | AISI 316 L | GT13/06E |
| G 1/4, 8 mm * | 17 | 34,5 | Brass | GT13/08 |
| | | | | |
| G 1/4, 9 mm * | 17 | 34,5 | Brass | GT13/09 |
| G 1/4, 9 mm * | 17 | 34,5 | AISI 303 | GT13/09R |
| G 1/4, 9 mm * | 17 | 34,5 | AISI 316 L | GT13/09E |
| G 1/4, 13 mm * | 17 | 41,5 | Brass | GT13/13 |
| | | | | |
| G 3/8, 6 mm * | 19 | 36 | Brass | GT17/06 |
| G 3/8, 6 mm * | 19 | 36 | AISI 303 | GT17/06R |
| G 3/8, 6 mm * | 19 | 36 | AISI 316 L | GT17/06E |
| G 3/8, 8 mm * | 19 | 36 | Brass | GT17/08 |
| | | | | |
| G 3/8, 9 mm * | 19 | 36 | Brass | GT17/09 |
| G 3/8, 9 mm * | 19 | 36 | AISI 303 | GT17/09R |
| G 3/8, 9 mm * | 19 | 36 | AISI 316 L | GT17/09E |
| G 3/8, 13 mm * | 19 | 42 | Brass | GT17/13 |
| G 3/8, 13 mm * | 19 | 42 | AISI 303 | GT17/13R |
| G 3/8, 13 mm * | 19 | 42 | AISI 316 L | GT17/13E |
| G 1/2, 6 mm * | 24 | 39 | Brass | GT21/06 |
| | | | | |
| G 1/2, 9 mm * | 24 | 39 | Brass | GT21/09 |
| G 1/2, 9 mm * | 24 | 39 | AISI 303 | GT21/09R |
| G 1/2, 9 mm * | 24 | 39 | AISI 316 L | GT21/09E |
| G 1/2, 13 mm * | 24 | 45 | Brass | GT21/13 |
| G 1/2, 13 mm * | 24 | 45 | AISI 303 | GT21/13R |
| G 1/2, 13 mm * | 24 | 45 | AISI 316 L | GT21/13E |
| G 3/4, 13 mm * | 32 | 48,5 | Brass | GT26/13 |
| | | | | |
| G 3/4, 16 mm * | 32 | 56,5 | Brass | GT26/16 |
| G 3/4, 19 mm * | 32 | 56,5 | Brass | GT26/19 |
| G 1, 25 mm * | 36 | 67,5 | Brass | GT33/25 |
| | | | | |

## Hose Tail Barb



with Female Thread

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| G 1/8, 6 mm | 12 | 31 | Brass | GI10/06 |
| G 1/8, 8 mm | 12 | 31 | Brass | GI10/08 |
| | | | | |
| G 1/4, 6 mm | 17 | 33 | Brass | GI13/06 |
| G 1/4, 8 mm | 17 | 33 | Brass | GI13/08 |
| G 1/4, 9 mm | 17 | 33 | Brass | GI13/09 |
| G 1/4, 13 mm | 17 | 39 | Brass | GI13/13 |
| | | | | |
| G 3/8, 6 mm | 19 | 33 | Brass | GI17/06 |
| G 3/8, 8 mm | 19 | 33 | Brass | GI17/08 |
| G 3/8, 9 mm | 19 | 33 | Brass | GI17/09 |
| G 3/8, 13 mm | 19 | 40 | Brass | GI17/13 |
| | | | | |
| G 1/2, 6 mm | 24 | 36 | Brass | GI21/06 |
| G 1/2, 8 mm | 24 | 36 | Brass | GI21/08 |
| G 1/2, 9 mm | 24 | 36 | Brass | GI21/09 |
| G 1/2, 13 mm | 24 | 43 | Brass | GI21/13 |

## Hose Repairer

* DIN EN 560
** for Hard Hoses

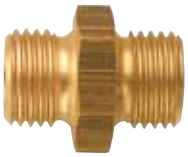
| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| 4 mm | | 50 | Brass | DS04/04P ** |
| | | | | |
| 6 mm | | 72 | Brass | DS06/06 * |
| | | | | |
| 8 mm | | 72 | Brass | DS08/08 * |
| | | | | |
| 9 mm | | 72 | Brass | DS09/09 * |
| | | | | |
| 13 mm | | 74 | Brass | DS13/13 |
| | | | | |

## Hose Repairer, short

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| 4 mm | | 19 | Brass | DK04/04 |
| | | | | |
| | | | | |
| 6 mm | | 19 | Brass | DK06/06 |
| | | | | |
| | | | | |

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

# Male x Male Nipple



| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| M 5 x M 5 | 7 | 13 | Brass | DN05/05 |
| M 5 x M 5 | 7 | 13 | AISI 303 | DN05/05R |
| M 5 x M 5 | 7 | 13 | AISI 316 L | DN05/05E |
| M 5 x G 1/8 | 14 | 17 | Brass | DN05/10 |
| M 5 x G 1/8 | 14 | 17 | AISI 303 | DN05/10R |
| M 5 x G 1/8 | 14 | 17 | AISI 316 L | DN05/10E |
| M 5 x G 1/4 | 17 | 18,5 | Brass | DN05/13 |
| | | | | |
| G 1/8 x G 1/8 * | 14 | 19 | Brass | DN10/10 |
| G 1/8 x G 1/8 * | 14 | 19 | AISI 303 | DN10/10R |
| G 1/8 x G 1/8 * | 14 | 19 | AISI 316 L | DN10/10E |
| R 1/8 x R 1/8 con. | 12 | 21 | Brass | DN10/10K |
| G 1/8 x G 1/4 * | 17 | 19,5 | Brass | DN10/13 |
| G 1/8 x G 1/4 * | 17 | 19,5 | AISI 303 | DN10/13R |
| G 1/8 x G 1/4 * | 17 | 19,5 | AISI 316 L | DN10/13E |
| G 1/8 x G 3/8 ** | 19 | 21 | Brass | DN10/17 |
| | | | | |
| G 1/4 x G 1/4 * | 17 | 22 | Brass | DN13/13 |
| G 1/4 x G 1/4 * | 17 | 22 | AISI 303 | DN13/13R |
| G 1/4 x G 1/4 * | 17 | 22 | AISI 316 L | DN13/13E |
| R 1/4 x R 1/4 con. | 14 | 30 | Brass | DN13/13K |
| G 1/4 x G 3/8 ** | 19 | 22,5 | Brass | DN13/17 |
| G 1/4 x G 3/8 ** | 19 | 22,5 | AISI 303 | DN13/17R |
| G 1/4 x G 3/8 ** | 19 | 22,5 | AISI 316 L | DN13/17E |
| G 1/4 x G 3/8 ext. ** | 19 | 24,5 | Brass | DN13/17V |
| G 1/4 x G 1/2 * | 24 | 25,5 | Brass | DN13/21 |
| | | | | |
| G 3/8 x G 3/8 ** | 19 | 23 | Brass | DN17/17 |
| G 3/8 x G 3/8 ** | 19 | 23 | AISI 303 | DN17/17R |
| G 3/8 x G 3/8 ** | 19 | 23 | AISI 316 L | DN17/17E |
| G 3/8 x G 3/8 ext. ** | 19 | 27 | Brass | DN17/17V |
| R 3/8 x R 3/8 con. | 17 | 30 | Brass | DN17/17K |
| G 3/8 x G 1/2 ** | 24 | 26 | Brass | DN17/21 |
| G 3/8 x G 1/2 ** | 24 | 26 | AISI 303 | DN17/21R |
| G 3/8 x G 1/2 ** | 24 | 26 | AISI 316 L | DN17/21E |
| G 3/8 x G 3/4 ** | 32 | 29,5 | Brass | DN17/26 |
| | | | | |
| G 1/2 x G 1/2 * | 24 | 28 | Brass | DN21/21 |
| G 1/2 x G 1/2 * | 24 | 28 | AISI 303 | DN21/21R |
| G 1/2 x G 1/2 * | 24 | 28 | AISI 316 L | DN21/21E |
| R 1/2 x R 1/2 con. | 22 | 34 | Brass | DN21/21K |
| G 1/2 x G 3/4 * | 32 | 31,5 | Brass | DN21/26 |
| G 1/2 x G 1 * | 36 | 36,5 | Brass | DN21/33 |

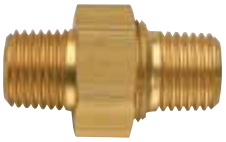
* Inner Cone 45°
** Inner Cone 45°, useable only together with Threated Nut UR17S
*** Inner Cone 45°, useable with Threated Nut UR17

## Male x Male Nipple

* Inner Cone 45°
** Inner Cone 45°, useable only together with Threated Nut UR17S
*** Inner Cone 45°, useable with Threated Nut UR17

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| G 3/4 x G 3/4 * | 32 | 33 | Brass | DN26/26 |
| G 3/4 x G 1 * | 36 | 34 | Brass | DN26/33 |
| G 1 x G 1 * | 36 | 37 | Brass | DN33/33 |
| G 1/4 l. x G 1/4 l. * | 14 | 34 | Brass | DN13/13L |
| G 1/4 l. x G 3/8 l. * | 17 | 35,5 | Brass | DN13/17L |
| G 3/8 l. x G 3/8 l. * | 17 | 37 | Brass | DN17/17L |

## Male x Male Nipple adjustable



| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| R 1/8 x R 1/8 | 15 | 27 | Brass | LD10/10K |
| R 1/4 x R 1/4 | 19 | 34 | Brass | LD13/13K |
| R 3/8 x R 3/8 | 22 | 37 | Brass | LD17/17K |
| R 1/2 x R 1/2 | 27 | 44,5 | Brass | LD21/21K |
| R 3/4 x R 3/4 | 36 | 53 | Brass | LD26/26K |
| R 1 x R 1 | 46 | 64 | Brass | LD33/33K |

## Reducing Bush, short

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| M 5 i. x G 1/8 o. | 14 | 11 | Brass | RK05/10 |
| M 5 i. x G 1/8 o. | 14 | 11 | AISI 303 | RK05/10R |
| M 5 i. x G 1/8 o. | 14 | 11 | AISI 316 L | RK05/10E |
| M 5 i. x G 1/4 o. | 17 | 12,5 | Brass | RK05/13 |
| G 1/8 i. x G 1/4 o. | 17 | 12,5 | Brass | RK10/13 |
| G 1/8 i. x G 1/4 o. | 17 | 12,5 | AISI 303 | RK10/13R |
| G 1/8 i. x G 1/4 o. | 17 | 12,5 | AISI 316 L | RK10/13E |
| G 1/8 i. x G 3/8 o. | 19 | 13 | Brass | RK10/17 |
| G 1/8 i. x G 1/2 o. | 24 | 17 | Brass | RK10/21 |
| G 1/4 i. x G 3/8 o. | 19 | 14 | Brass | RK13/17 |
| G 1/4 i. x G 3/8 o. | 19 | 14 | AISI 303 | RK13/17R |
| G 1/4 i. x G 3/8 o. | 19 | 14 | AISI 316 L | RK13/17E |
| G 1/4 i. x G 1/2 o. | 24 | 17 | Brass | RK13/21 |
| G 3/8 i. x G 1/2 o. | 24 | 17 | Brass | RK17/21 |
| G 3/8 i. x G 1/2 o. | 24 | 17 | AISI 303 | RK17/21R |
| G 3/8 i. x G 1/2 o. | 24 | 17 | AISI 316 L | RK17/21E |
| G 3/8 i. x G 3/4 o. | 32 | 18 | Brass | RK17/26 |
| G 1/2 i. x G 3/4 o. | 32 | 20,5 | Brass | RK21/26 |
| G 1/2 i. x G 1 o. | 36 | 21,5 | Brass | RK21/33 |
| G 3/4 i. x G 1 o. | 36 | 21,5 | Brass | RK26/33 |

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

## Reducing Bush, long

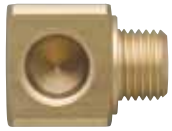
* Inner Cone 45°

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| M 5 o. x M 5 i. | 8 | 15 | Brass | RL05/05 |
| M 5 o. x G 1/8 i. | 14 | 17 | Brass | RL05/10 |
| G 1/8 o. x M 5 i. | 14 | 17 | Brass | RL10/05 |
| G 1/8 o. x G 1/8 i. * | 14 | 23 | Brass | RL10/10 |
| G 1/8 o. x G 1/4 i. * | 17 | 26 | Brass | RL10/13 |
| | | | | |
| G 1/4 o. x G 1/8 i. * | 17 | 26 | Brass | RL13/10 |
| G 1/4 o. x G 1/4 i. * | 17 | 28 | Brass | RL13/13 |
| G 1/4 o. x G 3/8 i. * | 19 | 29 | Brass | RL13/17 |
| | | | | |
| G 3/8 o. x G 1/4 i. * | 19 | 29 | Brass | RL17/13 |
| G 3/8 o. x G 3/8 i. * | 19 | 29 | Brass | RL17/17 |
| G 3/8 o. x G 1/2 i. * | 24 | 32 | Brass | RL17/21 |
| | | | | |
| G 1/2 o. x G 3/8 i. * | 24 | 34 | Brass | RL21/17 |
| G 1/2 o. x G 1/2 i. * | 24 | 34 | Brass | RL21/21 |
| G 1/2 o. x G 3/4 i. * | 32 | 31 | Brass | RL21/26 |

## Female x Female Socket

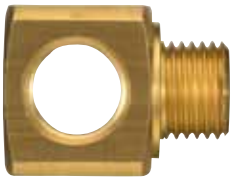
| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| M 5 | 8 | 12 | Brass | MU05 |
| M 5 | 8 | 12 | AISI 303 | MU05R |
| | | | | |
| G 1/8 | 14 | 22 | Brass | MU10 |
| G 1/8 | 14 | 22 | AISI 303 | MU10R |
| G 1/8 | 14 | 22 | AISI 316 L | MU10E |
| | | | | |
| G 1/4 | 17 | 26 | Brass | MU13 |
| G 1/4 | 17 | 26 | AISI 303 | MU13R |
| G 1/4 | 17 | 26 | AISI 316 L | MU13E |
| | | | | |
| G 3/8 | 22 | 26 | Brass | MU17 |
| G 3/8 | 22 | 26 | AISI 303 | MU17R |
| G 3/8 | 22 | 26 | AISI 316 L | MU17E |
| | | | | |
| G 1/2 | 27 | 30 | Brass | MU21 |
| G 1/2 | 27 | 30 | AISI 303 | MU21R |
| G 1/2 | 27 | 30 | AISI 316 L | MU21E |
| G 3/4 | 32 | 36 | Brass | MU26 |
| | | | | |
| G 1 | 41 | 40 | Brass | MU33 |

## 90° Elbow



| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| M 5 | | 10 | Brass | WS05 |
| M 5 | | 10 | Aluminium elox. | WS05A |
| G 1/8 | | 16 | Brass | WS10 |
| G 1/8 | | 16 | Aluminium elox. | WS10A |
| G 1/4 | | 22 | Brass | WS13 |
| G 1/4 | | 22 | Aluminium elox. | WS13A |
| G 3/8 | | 27 | Brass | WS17 |
| G 3/8 | | 27 | Aluminium elox. | WS17A |

## Tee



| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| M 5 | 10 | | Brass | TK05 |
| M 5 | 10 | | Aluminium elox. | TK05A |
| G 1/8 | 15 | | Brass | TK10 |
| G 1/8 | 16 | | Aluminium elox. | TK10A |
| G 1/4 | 22 | | Brass | TK13 |
| G 1/4 | 22 | | Aluminium elox. | TK13A |
| G 3/8 | 27 | | Brass | TK17 |
| G 3/8 | 27 | | Aluminium elox. | TK17A |
| | | | | |

## 4 Port Manifold

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| G 1/8 | 30 | | Aluminium | VB10 |
| | | | | |
| G 1/4 | 36 | | Aluminium | VB13 |
| | | | | |
| G 3/8 | 43 | | Aluminium | VB17 |
| | | | | |
| G 1/2 | 52 | | Aluminium | VB21 |
| | | | | |

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

## Multi-Port Manifold

| Connection A | Hex mm | 1 Entry | 9 Exit | Version | Part Number |
|---|---|---|---|---|---|
| G 1/8 x M 5 | 20 | G 1/8 | M 5 | Aluminium elox. | VL10/05 |
| G 3/8 x G 1/8 | 30 | G 3/8 | G 1/8 | Aluminium elox. | VL17/10 |
| G 1/2 x G 1/4 | 36 | G 1/2 | G 1/4 | Aluminium elox. | VL21/13 |

## Bulkhead Lock Nut

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| G 1/8 | 15 | | Brass | KM10W |
| G 1/4 | 17 | | Brass | KM13W |
| G 3/8 | 22 | | Brass | KM17W |
| G 1/2 | 27 | | Brass | KM21W |
| G 3/4 | 30 | | Brass | KM26W |
| M 6 x 0,75 | 9 | | Brass | KM06M |
| M 8 x 1 | 12 | | Brass | KM08M |
| M 10 x 1 | 12 | | Brass | KM10M |
| M 12 x 1 | 17 | | Brass | KM12M |
| M 14 x 1 | 19 | | Brass | KM14M |

## Blanking Plug

Socket Pipe
(DIN 908)

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| M 5 (head pipe) | 8 | 8 | Brass | VZ05 |
| M 5 (head pipe) | 8 | 8 | AISI 303 | VZ05R |
| G 1/8 | 5 | 11 | Brass | VZ10 |
| G 1/8 | 5 | 11 | AISI 303 | VZ10R |
| G 1/8 | 5 | 11 | AISI 316 L | VZ10E |
| G 1/4 | 6 | 15 | Brass | VZ13 |
| G 1/4 | 6 | 15 | AISI 303 | VZ13R |
| G 1/4 | 6 | 15 | AISI 316 L | VZ13E |
| G 3/8 | 8 | 15 | Brass | VZ17 |
| G 3/8 | 8 | 15 | AISI 303 | VZ17R |
| G 3/8 | 8 | 15 | AISI 316 L | VZ17E |
| G 1/2 | 10 | 18 | Brass | VZ21 |
| G 1/2 | 10 | 18 | AISI 303 | VZ21R |
| G 1/2 | 10 | 18 | AISI 316 L | VZ21E |
| G 3/4 | 12 | 20 | Brass | VZ26 |

## Blanking Plug

Tapered, with Socket Pipe (DIN 906)

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| R 1/8 | 5 | | Brass | VK10 |
| R 1/4 | 7 | | Brass | VK13 |
| R 3/8 | 8 | | Brass | VK17 |

## Washer, PVC

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| for M 5 | | | | PD05 |
| for G 1/8 | | | | PD10 |
| for G 1/4 | | | | PD13 |
| for G 3/8 | | | | PD17 |
| for G 1/2 | | | | PD21 |
| for G 3/4 | | | | PD26 |

## Washer, Fiber

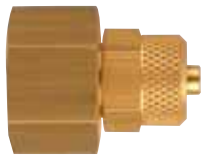
| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| for M 5 | | | | FD05 |
| for G 1/8 | | | | FD10 |
| for G 1/4 | | | | FD13 |
| for G 3/8 | | | | FD17 |
| for G 1/2 | | | | FD21 |
| for G 3/4 | | | | FD26 |

## Washer, Aluminium

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| for G 1/8 | | | | AD10 |
| for G 1/4 | | | | AD13 |
| for G 3/8 | | | | AD17 |
| for G 1/2 | | | | AD21 |
| for G 3/4 | | | | AD26 |
| for G 1 | | | | AD33 |

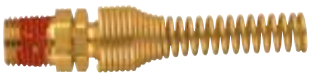
⚠ Please consider our security advices on the pages 12/13 ⚠

## Female Stud Fitting



| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| G 1/8, 4 x 6 mm | 14 | 23 | Brass | MV10/06 |
| G 1/4, 4 x 6 mm | 17 | 25 | Brass | MV13/06 |
| G 1/4, 6 x 8 mm | 17 | 25 | Brass | MV13/08 |
| G 1/4, 8 x 10 mm | 17 | 29 | Brass | MV13/10 |
| G 3/8, 6 x 8 mm | 19 | 25 | Brass | MV17/08 |
| G 3/8, 8 x 10 mm | 19 | 29 | Brass | MV17/10 |

## Swivelling Spring Guard



| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| R 1/8, 3,1 x 4,7 mm | 11 | | Brass | DV10/05 |
| R 1/4, 4,8 x 6,3 mm | 14 | | Brass | DV13/06 |
| R 1/4, 6,3 x 7,9 mm | 14 | | Brass | DV13/08 |
| R 1/4, 7,9 x 9,5 mm | 15 | | Brass | DV13/10 |
| R 3/8, 9,5 x 11,8 mm | 19 | | Brass | DV17/12 |
| R 1/2, 12,7 x 15,8 mm | 22 | | Brass | DV21/16 |

## Equal Ended Tee

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| 4 x 6 mm | | | Brass | TSK06 |
| 6 x 8 mm | | | Brass | TSK08 |
| 8 x 10 mm | | | Brass | TSK10 |

## Equal Ended Cross

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| 4 x 6 mm | | | Brass | KS06 |
| 6 x 8 mm | | | Brass | KS08 |
| 8 x 10 mm | | | Brass | KS10 |

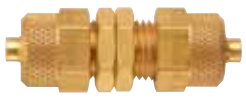
## Equal Ended Cross

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| G 1/8 | 19 | | AISI 316 | VB10E |
| G 1/4 | 19 | | AISI 316 | VB13E |
| G 3/8 | 20 | | AISI 316 | VB17E |
| G 1/2 | 23 | | AISI 316 | VB21E |
| G 3/4 | 25 | | AISI 316 | VB26E |
| G 1 | 29 | | AISI 316 | VB33E |

## Swivelling Single Banjo Fitting

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| M 5, 3 x 4 mm | 8 | 18,5 | Brass | WV05/04 |
| M 5, 3 x 5 mm | 8 | 18,5 | Brass | WV05/05 |
| | | | | |
| M 5, 4 x 6 mm | 8 | 18,5 | Brass | WV05/06 |
| | | | | |
| G 1/8, 4 x 6 mm | 14 | 28 | Brass | WV10/06 |
| G 1/8, 6 x 8 mm | 14 | 28 | Brass | WV10/08 |
| | | | | |
| G 1/4, 4 x 6 mm | 17 | 33 | Brass | WV13/06 |
| G 1/4, 6 x 8 mm | 17 | 33 | Brass | WV13/08 |
| G 1/4, 8 x 10 mm | 17 | 33 | Brass | WV13/10 |
| | | | | |

## Bulkhead Fitting



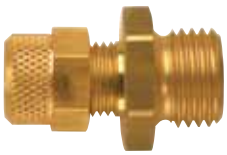
| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| 3 x 4 mm | 11 | 34 | Brass | SC05/04 |
| 3 x 5 mm | 11 | 34 | Brass | SC05/05 |
| 4 x 6 mm | 12 | 38 | Brass | SC10/06 |
| 6 x 8 mm | 17 | 46 | Brass | SC10/08 |
| 8 x 10 mm | 19 | 46 | Brass | SC14/10 |
| | | | | |
| | | | | |

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

## Hose Tail Elbow, Swivelling

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| M 5, f. LW 3 mm | 8 | 18,5 | Brass | WT05/03 |
| M 5, f. LW 4 mm | 8 | 18,5 | Brass | WT05/04 |

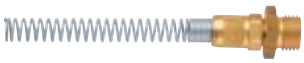
## Stud Fitting



* Inner Cone 45°

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| M 5, 3 x 4 mm | 7 | 20 | Brass | EV05/04 |
| M 5, 3 x 5 mm | 7 | 20 | Brass | EV05/05 |
| M 5, 3 x 5 mm | 7 | 20 | AISI 303 | EV05/05R |
| M 5, 3 x 5 mm | 7 | 20 | AISI 316 L | EV05/05E |
| M 5, 4 x 6 mm | 8 | 21 | Brass | EV05/06 |
| M 5, 4 x 6 mm | 8 | 21 | AISI 303 | EV05/06R |
| M 5, 4 x 6 mm | 8 | 21 | AISI 316 L | EV05/06E |
| G 1/8, 4 x 6 mm | 12 | 25 | Brass | EV10/06 |
| G 1/8, 4 x 6 mm | 12 | 25 | AISI 303 | EV10/06R |
| G 1/8, 4 x 6 mm | 12 | 25 | AISI 316 L | EV10/06E |
| G 1/8, 6 x 8 mm | 14 | 24 | Brass | EV10/08 |
| G 1/8, 6 x 8 mm | 14 | 24 | AISI 303 | EV10/08R |
| G 1/8, 6 x 8 mm | 14 | 24 | AISI 316 L | EV10/08E |
| G 1/4, 4 x 6 mm | 17 | 26 | Brass | EV13/06 |
| G 1/4, 4 x 6 mm | 17 | 26 | AISI 303 | EV13/06R |
| G 1/4, 4 x 6 mm | 17 | 26 | AISI 316 L | EV13/06E |
| G 1/4, 6 x 8 mm | 17 | 26 | Brass | EV13/08 |
| G 1/4, 6 x 8 mm | 17 | 26 | AISI 303 | EV13/08R |
| G 1/4, 6 x 8 mm | 17 | 26 | AISI 316 L | EV13/08E |
| G 1/4, 8 x 10 mm | 17 | 31 | Brass | EV13/10 |
| G 1/4, 9 x 12 mm | 17 | 31 | Brass | EV13/12 |
| G 1/4, 9 x 12 mm | 17 | 31 | AISI 303 | EV13/12R |
| G 3/8, 6 x 8 mm * | 19 | 27 | Brass | EV17/08 |
| G 3/8, 8 x 10 mm * | 19 | 31 | Brass | EV17/10 |
| G 3/8, 8 x 10 mm * | 19 | 31 | AISI 303 | EV17/10R |
| G 3/8, 9 x 12 mm * | 19 | 31 | Brass | EV17/12 |
| G 3/8, 9 x 12 mm * | 19 | 31 | AISI 303 | EV17/12R |

## Fixed Spring Guard



with Spring Guard

* Inner Cone 45°

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| M 5, 4 x 6 mm | 8 | 103 | Brass | SV05/06 |
| G 1/8, 4 x 6 mm | 12 | 103 | Brass | SV10/06 |
| G 1/8, 6 x 8 mm | 12 | 106 | Brass | SV10/08 |
| G 1/4, 4 x 6 mm | 17 | 103 | Brass | SV13/06 |
| G 1/4, 6 x 8 mm | 17 | 106 | Brass | SV13/08 |
| G 1/4, 8 x 10 mm | 17 | 119 | Brass | SV13/10 |
| G 1/4, 9 x 12 mm | 17 | 123 | Brass | SV13/12 |
| G 3/8, 6 x 8 mm * | 19 | 106 | Brass | SV17/08 |
| G 3/8, 8 x 10 mm * | 19 | 119 | Brass | SV17/10 |
| G 3/8, 9 x 12 mm * | 19 | 123 | Brass | SV17/12 |

## Male Stud Run Tee

Tapered Thread

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| R 1/8, 4 x 6 mm | | | Brass | TE10/06 |
| R 1/8, 6 x 8 mm | | | Brass | TE10/08 |
| R 1/8, 8 x 10 mm | | | Brass | TE10/10 |
| R 1/4, 4 x 6 mm | | | Brass | TE13/06 |
| R 1/4, 6 x 8 mm | | | Brass | TE13/08 |
| R 1/4, 8 x 10 mm | | | Brass | TE13/10 |

## Male Stud Elbow

Tapered Thread

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| R 1/8, 4 x 6 mm | 12 | | Brass | WE10/06 |
| R 1/8, 6 x 8 mm | 14 | | Brass | WE10/08 |
| R 1/8, 8 x 10 mm | 16 | | Brass | WE10/10 |
| R 1/4, 4 x 6 mm | 12 | | Brass | WE13/06 |
| R 1/4, 6 x 8 mm | 14 | | Brass | WE13/08 |
| R 1/4, 8 x 10 mm | 16 | | Brass | WE13/10 |

with Spring Guard
Tapered Thread

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| R 1/8, 4 x 6 mm | 12 | 107 | Brass | WK10/06 |
| R 1/8, 6 x 8 mm | 14 | 112 | Brass | WK10/08 |
| R 1/8, 8 x 10 mm | 17 | 125 | Brass | WK10/10 |
| R 1/4, 4 x 6 mm | 12 | 109 | Brass | WK13/06 |
| R 1/4, 6 x 8 mm | 14 | 114 | Brass | WK13/08 |
| R 1/4, 8 x 10 mm | 17 | 127 | Brass | WK13/10 |

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

## Spring Guard

completely with Tube Nut

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| (M 10 x 1) 4 x 6 mm | 12 | 94 | Brass | KN06 |
| (M 12 x 1) 6 x 8 mm | 14 | 97 | Brass | KN08 |
| (M 16 x 1) 8 x 10 mm | 17 | 110 | Brass | KN10 |
| (M 16 x 1) 9 x 12 mm | 17 | 114 | Brass | KN12 |

## Tube Nut

for Plastic Hoses

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| (M 7 x 0,5) 3 x 4 mm | | 8,5 | Brass | SM04 |
| (M 7 x 0,5) 3 x 5 mm | | 8,5 | Brass | SM05 |
| (M 10 x 1) 4 x 6 mm | 12 | 11 | Brass | SM06 |
| (M 12 x 1) 6 x 8 mm | 14 | 11 | Brass | SM08 |
| (M 14 x 1) 8 x 10 mm | 17 | 12,5 | Brass | SM10S |
| (M 16 x 1) 8 x 10 mm | 17 | 12,5 | Brass | SM10 |
| (M 16 x 1) 9 x 12 mm | 17 | 12,5 | Brass | SM12 |

## Female Tee

* without Inner Cone
** with Inner Cone

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| R 1/8 o. | 10 | 37 | Brass | TA10 * |
| R 1/4 o. | 13 | 47 | Brass | TA13 * |
| R 3/8 o. | 17 | 52 | Brass | TA17 * |
| R 1/2 o. | 19 | 60 | Brass | TA21 ** |

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| G 1/8 | | 34 | Brass | TI10 |
| G 1/8 | | 28 | AISI 316 | TI10E |
| G 1/4 | | 38,5 | Brass | TI13 |
| G 1/4 | | 35 | AISI 316 | TI13E |
| G 3/8 | | 44 | Brass | TI17 |
| G 3/8 | | 43 | AISI 316 | TI17E |
| G 1/2 | | 44 | Brass | TI21 |
| G 1/2 | | 49 | AISI 316 | TI21E |
| G 3/4 | | 50 | Brass | TI26 |
| G 3/4 | | 59 | AISI 316 | TI26E |
| G 1 | | 64,5 | Brass | TI33 |

## Male Elbow

| | Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|---|
| * without Inner Cone ** with Inner Cone | R 1/8 o. | 10 | 23 | Brass | WA10 * |
| | R 1/4 o. | 13 | 30 | Brass | WA13 * |
| | R 3/8 o. | 17 | 33,5 | Brass | WA17 * |
| | R 1/2 o. | 19 | 39 | Brass | WA21 ** |
| | | | | | |
| with Inner Cone | G 1/8 | | 25 | Brass | WI10 |
| | G 1/8 | | 22 | AISI 316 | WI10E |
| | G 1/4 | | 29 | Brass | WI13 |
| | G 1/4 | | 27 | AISI 316 | WI13E |
| | G 3/8 | | 35 | Brass | WI17 |
| | G 3/8 | | 32 | AISI 316 | WI17E |
| | G 1/2 | | 40 | Brass | WI21 |
| | G 1/2 | | 40 | AISI 316 | WI21E |
| | G 3/4 | „"“ | 47 | Brass | WI26 |
| | G 3/4 | | 48 | AISI 316 | WI26E |
| | G 1 | | 55 | Brass | WI33 |
| | | | | | |
| Female Thread Male Thread | G 1/8 | | 26 | AISI 316 | WAI10E |
| | G 1/4 | | 28 | AISI 316 | WAI13E |
| | G 3/8 | | 32 | AISI 316 | WAI17E |
| | G 1/2 | | 37 | AISI 316 | WAI21E |
| | G 3/4 | | 43 | AISI 316 | WAI26E |
| | | | | | |

## Female Y

| | Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|---|
| 2x Female Thread 1x Male Thread con. | R 1/8 o., G 1/8 i. | 13 | | Brass | YA10 |
| | R 1/4 o., G 1/4 i. | 17 | | Brass | YA13 |
| | R 3/8 o., G 3/8 i. | 20 | | Brass | YA17 |
| | R 1/2 o., G 1/2 i. | 25 | | Brass | YA21 |
| | | | | | |
| 3x Female Thread | G 1/8 | 13 | | Brass | YI10 |
| | G 1/4 | 17 | | Brass | YI13 |
| | G 3/8 | 20 | | Brass | YI17 |
| | G 1/2 | 25 | | Brass | YI21 |
| | | | | | |

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

## 2 Way Manifold

| | Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|---|
| | G 3/8 i. | | 47 | Brass | ZO17 |
| | G 1/2 i. | | 55 | Brass | ZO21 |
| with Couplings Series 26KA | G 1/4 o. | | | Brass | ZM13A |
| | G 3/8 o. | | | Brass | ZM17A |
| | G 1/2 o. | | | Brass | ZM21A |
| | G 1/4 i. | | | Brass | ZM13I |
| | G 3/8 i. | | | Brass | ZM17I |
| | G 1/2 i. | | | Brass | ZM21I |

## 3 Way Manifold

| | Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|---|
| | G 3/8 i. | | 61 | Brass | DO17 |
| | G 1/2 i. | | 67 | Brass | DO21 |
| with Couplings Series 26KA | G 1/4 o. | | | Brass | DM13A |
| | G 3/8 o. | | | Brass | DM17A |
| | G 1/2 o. | | | Brass | DM21A |
| | G 1/4 i. | | | Brass | DM13I |
| | G 3/8 i. | | | Brass | DM17I |
| | G 1/2 i. | | | Brass | DM21I |

## Manifold Assembly

| | Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|---|
| | G 3/8 i. | | | Brass | WD17-26 |
| | G 1/2 i. | | | Brass | WD21-26 |

## Manifold

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| G 3/8 i. | | | Aluminium elox. | WD17 |
| G 1/2 i. | | | Aluminium elox. | WD21 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

## Pressure Reducing Valve

| Connection A | Hex mm | L mm | max. Supply Pressure | Const. Supply Pressure | Version | Part Number |
|---|---|---|---|---|---|---|
| G 1/4 i. x G 1/4 o. | 17 | 34 | 12 bar | 3,0 bar | Brass | DRV13/30 |
| G 1/4 i. x G 1/4 o. | 17 | 34 | 12 bar | 4,0 bar | Brass | DRV13/40 |
| G 1/4 i. x G 1/4 o. | 17 | 34 | 12 bar | 5,0 bar | Brass | DRV13/50 |
| G 1/4 i. x G 1/4 o. | 17 | 34 | 12 bar | 6,0 bar | Brass | DRV13/60 |
| | | | | | | |

## Swivel Joint

| Connection A | Hex mm | L mm | Version | Part Number |
|---|---|---|---|---|
| G 1/4 i. x G 1/4 o. | 17 | 52 | Steel, nickel plated | FA13A13ISPN |
| G 3/8 i. x G 3/8 o. | 21 | 58 | Steel, nickel plated | FA17A17ISPN |
| | | | | |
| | | | | |
| | | | | |

## Dust Protection

| Version | Material | Flame Resistance | Temperature Range | Color | Part Number |
|---|---|---|---|---|---|
| universal | Thermo Flex | UL-VO | -25 up to 120°C | blue | SK12S |
| universal | Euro Flex | UL-VO | -25 up to 120°C | red | SK16S |
| universal | Thermo Flex | UL-VO | -25 up to 120°C | blue | SK23S |
| universal | Thermo Flex | UL-VO | -25 up to 120°C | blue | SK27S |
| for Coupling | PVC | | | red | 1315-QC |
| for Coupling | PVC | | | red | 2315-QC |
| for Coupling | PVC | | | blue | 10026 |
| for Plug | PVC | | | red | 1325-QC |
| for Plug | PVC | | | red | 125-QC |
| for Plug | PVC | | | red | 5026-QC |

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

Accessories

# Blow-Guns

## AJ13-Set in Display Box

| Connection | Extension Tube | Part Number |
|---|---|---|
| Female Thread G 1/4 | 6 mm bent | AJ13/06SET |
| Female Thread G 1/4 | 8 mm bent | AJ13/08SET |

10x AJ13 in display box

## AK13-Set in Display Box

| Connection | Extension Tube | Part Number |
|---|---|---|
| Female Thread G 1/4 | | AK13SET |

10x AK13 in display box

## Blow-Guns

made of aluminium,
with standard nozzle

| Connection | Extension Tube | Part Number |
|---|---|---|
| Female Thread G 1/4 | | AA13 |
| Hose Barb 6 mm | | AA06TF |
| Hose Barb 9 mm | | AA09TF |
| Plug Series 21 | | AA21SF |
| Plug Series 26 | | AA26SF |

# Blow-Guns

| | Connection | Extension Tube | Part Number |
|---|---|---|---|
| made of aluminium, with safety nozzle | Female Thread G 1/4 | | AS13 |
| | Hose Barb 6 mm | | AS06TF |
| | Hose Barb 9 mm | | AS09TF |
| | Plug Series 21 | | AS21SF |
| | Plug Series 26 | | AS26SF |
| made of aluminium, with sintered metal insert | Female Thread G 1/4 | | AR13 |
| made of aluminium, with extension tube | Female Thread G 1/4 | | AV13 |
| | Hose Barb 6 mm | | AV06TF |
| | Hose Barb 9 mm | | AV09TF |
| | Plug Series 21 | | AV21SF |
| | Plug Series 26 | | AV26SF |
| made of aluminium, with Venturi nozzle | Female Thread G 1/4 | | AT13 |
| | Hose Barb 6 mm | | AT06TF |
| | Hose Barb 9 mm | | AT09TF |
| | Plug Series 21 | | AT21SF |
| | Plug Series 26 | | AT26SF |

# Blow tap

| | Connection | Extension Tube | Part Number |
|---|---|---|---|
| made of aluminium, lever operated with safety nozzle | Female Thread 1/4" NPSF | | ASG-1 |

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

# Blow-Guns

| | Connection | Extension Tube | Part Number |
|---|---|---|---|
| made of impact resistant plastic, with fixed standard nozzle, impossible to replace | Female Thread G 1/4 | | AN13 |
| | Hose Barb 6 mm | | AN06TF |
| | Hose Barb 9 mm | | AN09TF |
| | Plug Series 21 | | AN21SF |
| | Plug Series 26 | | AN26SF |
| made of impact resistant plastic, with fixed safety nozzle, impossible to replace | Female Thread G 1/4 | | AL13 |
| | Hose Barb 6 mm | | AL06TF |
| | Hose Barb 9 mm | | AL09TF |
| | Plug Series 21 | | AL21SF |
| | Plug Series 26 | | AL26SF |
| made of impact resistant plastic with sintered metal insert | Female Thread G 1/4 | | AF13 |
| made of impact resistant plastic with aluminium extension tube fixed nozzle, impossible to replace | Female Thread G 1/4 | | AK13 |
| | Hose Barb 6 mm | | AK06TF |
| | Hose Barb 9 mm | | AK09TF |
| | Plug Series 21 | | AK21SF |
| | Plug Series 26 | | AK26SF |
| made of impact resistant plastic extension tube brass nickel plated with a star tip nozzle<br>- meets OSHA standards<br>- light weight<br>- rugged extension tube | Female Thread G 1/4 | | AZ13 |
| | Plug Series 26 | | AZ26SF |

# Blow-Guns

| | Connection | Extension Tube | Part Number |
|---|---|---|---|
| made of impact resistant plastic, extension tube brass nickel plated - rugged extension tube | Female Thread G 1/4 | | AC13 |
| | Hose Barb 6 mm | | AC06TF |
| | Hose Barb 9 mm | | AC09TF |
| | Plug Series 21 | | AC21SF |
| | Plug Series 26 | | AC26SF |
| made of impact resistant plastic, with Venturi nozzle | Female Thread G 1/4 | | AX13 |
| made of impact resistant plastic, with female thread R 1/8 (without nozzle) | Female Thread G 1/4 | | AI13 |
| made of impact resistant plastic, with female thread M 12 x 1,25 (without nozzle) | Female Thread G 1/4 | | AM13 |
| made of red impact resistant plastic, with aluminium extension tube | Female Thread G 1/4 | 6 mm bent | AJ13/06B |
| | Female Thread G 1/4 | 8 mm straight | AJ13/08 |
| | Female Thread G 1/4 | 8 mm bent | AJ13/08B |
| | Female Thread G 1/4 | 8 x 300 mm straight | AJ13-300 |
| | Female Thread G 1/4 | 8 x 500 mm straight | AJ13-500 |
| | Female Thread G 1/4 | 8 x 1000 mm straight | AJ13-1000 |

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

## Standard Nozzle

| | Connection | Extension Tube | Part Number |
|---|---|---|---|
| | M 12 x 1,25 | | KD12 |
| for blow-gun made of aluminium | | | |
| Collimated air jet, ideal for blowingout blind holes and work pieces | | | |

## Safety Nozzle

| | Connection | Extension Tube | Part Number |
|---|---|---|---|
| | M 12 x 1,25 | | SD12 |
| 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. | | | |

## Extension Tube, 150 mm long

| | Connection | Extension Tube | Part Number |
|---|---|---|---|
| | M 12 x 1,25 | | VR12 |
| for blow-gun made of aluminium | | | |
| For blowing-out deep holes and blind spots. | | | |

## Venturi-Nozzle

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 | Extension Tube | Part Number |
|---|---|---|
| M 12 x 1,25 | | AT12 |

## Nozzle with sintered metal insert

Low noise level (63-73 dB(A)), thus extremely good blowing effectivity (up to 380 l/min.)

| Connection | Extension Tube | Part Number |
|---|---|---|
| M 12 x 1,25 | | AR12 |

## Protective Shield

Mounted behind the respective jet. Prevents shavings from rebounding.

| Connection | Extension Tube | Part Number |
|---|---|---|
| | | ST12 |

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

# Blow-Gun Set

| Version | Extension Tube | Part Number |
|---|---|---|
| with Blow-Gun made of aluminium | | SE26A |
| with Blow-Gun made of impact resistant thermoplastic | | SE26K |

including
- Blow-Gun
- Hose 6 x 8 mm, length 2,5 m
- Couplings and plugs series 26 (DN 7,2)

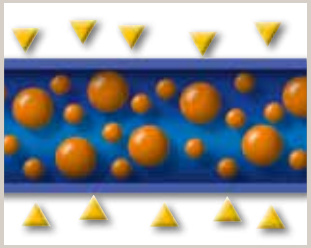
⚠ Please consider our security advices on the pages 12/13 ⚠

# 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

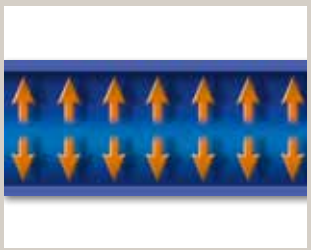
All thermoplastic materials are flexible up to a certain degree. Depending on the type, our hoses can therefore be used for a wide range of tasks. Ultraflexible hoses are suitable for applications with small bend radii and a high degree of movement. For example, relatively rigid or stronger tubing is 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 design 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.

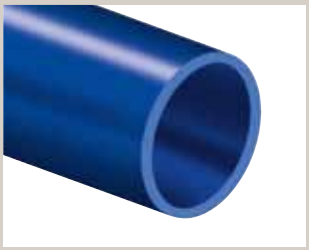
## Space-Saving Storage

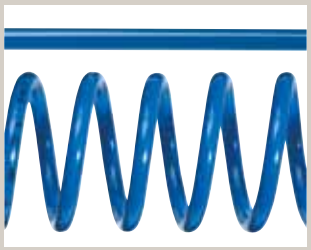
Our straight hoses are rolled, packed on cardboard holders, and delivered in boxes – for space-saving storage and quick materials access.

# Our hose qualities at a glance.

## RECTULASTIC made of Nylon 12 (Polyamid)

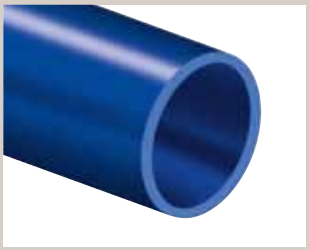
Straight hoses or coiled hoses; multicolored dual and quadruple; unprecedented return force; small twists and therefore requires minimum space; light weight; resistant to organic and inorganic materials.

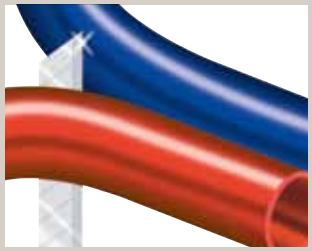




## RECTUFLEX made of Polyurethan

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.

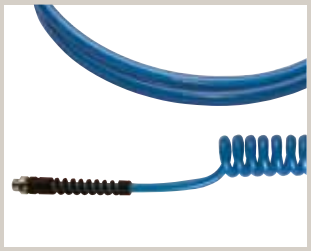


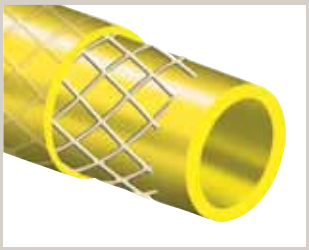


## SUPERBRAID®

**Polyurethan 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.

## RECTUSOFT made of highly flexible PVC, with Polyester Fibre Reinforcement (TÜV-tested)

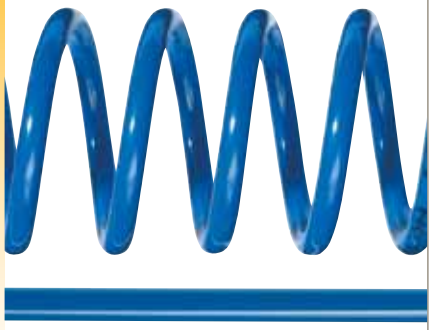
Straight hoses or coiled hoses; extremely flexible, even at ultra-low temperatures; highly resistant to tears and pressure; light weight and easy operation makes this hose ideal for operating compressed air tools.

## Fittings

Many hoses are available completely assembled with different fittings. Please check article description.

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

**Temperature range:**
-40°C up to +90°C

**Maximum operating pressure:**
see chart

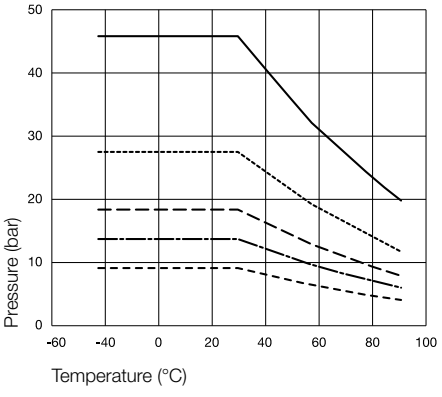
**Tubing assembled:**
-20°C up to +70°C

All technical data refers to air applications. We will gladly assistant you for other media.

## Flow diagrams

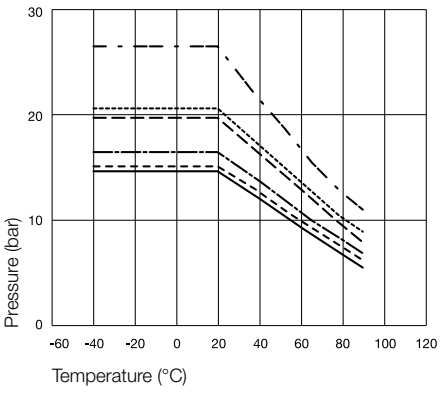
**Relation Working Pressure / Temperature**
The pressure specifications apply only for the hose and not for the connection fittings.

**Straight**



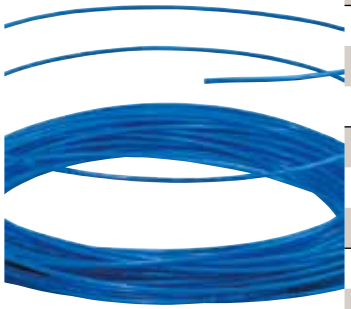

- PA040
- PA100
- PA080
- PA047, PA060
- PA120, PA140

**Coiled**




- SP05
- SP06
- SP08
- SP10
- SP12
- SP16

## Straight Hoses — RECTULASTIC



| Inside x Outside ø mm | Coil Outside Diameter mm | Working Length in m | Part Number Blue* | Part Number Red* |
|---|---|---|---|---|
| 2,0 x 4,0 | | 25 | PA040/025/03 | PA040/025/02 |
| 2,0 x 4,0 | | 50 | PA040/050/03 | PA040/050/02 |
| 2,0 x 4,0 | | 100 | PA040/100/03 | PA040/100/02 |
| 2,7 x 4,0 | | 25 | PA047/025/03 | PA047/025/02 |
| 2,7 x 4,0 | | 50 | PA047/050/03 | PA047/050/02 |
| 2,7 x 4,0 | | 100 | PA047/100/03 | PA047/100/02 |
| 4,0 x 6,0 | | 25 | PA060/025/03 | PA060/025/02 |
| 4,0 x 6,0 | | 50 | PA060/050/03 | PA060/050/02 |
| 4,0 x 6,0 | | 100 | PA060/100/03 | PA060/100/02 |
| 6,0 x 8,0 | | 25 | PA080/025/03 | PA080/025/02 |
| 6,0 x 8,0 | | 50 | PA080/050/03 | PA080/050/02 |
| 6,0 x 8,0 | | 100 | PA080/100/03 | PA080/100/02 |
| 8,0 x 10,0 | | 25 | PA100/025/03 | PA100/025/02 |
| 9,5 x 12,0 | | 25 | PA120/025/03 | PA120/025/02 |
| | | | | |
| 12,0 x 14,0 | | 25 | PA140/025/03 | PA140/025/02 |
| | | | | |

* Hoses in black or transparent available on request.

## Coiled Hoses without Fittings — RECTULASTIC

| Inside x Outside ø mm | Coil Outside Diameter mm | Max. Working Length in m | Approx. Coils | Part Number |
|---|---|---|---|---|
| 3,1 x 4,7 | 38 | 2,5 | 36 | SP05/025 |
| 3,1 x 4,7 | 38 | 5 | 72 | SP05/050 |
| 3,1 x 4,7 | 38 | 7,5 | 108 | SP05/075 |
| 3,1 x 4,7 | 38 | 10 | 144 | SP05/100 |
| | | | | |
| 4,8 x 6,3 | 75 | 2,5 | 15 | SP06/025 |
| 4,8 x 6,3 | 75 | 5 | 30 | SP06/050 |
| 4,8 x 6,3 | 75 | 7,5 | 45 | SP06/075 |
| 4,8 x 6,3 | 75 | 10 | 60 | SP06/100 |
| 4,8 x 6,3 | 75 | 15 | 90 | SP06/150 |
| 4,8 x 6,3 | 75 | 22,5 | 140 | SP06/225 |
| | | | | |
| 6,3 x 7,9 | 75 | 2,5 | 15 | SP08/025 |
| 6,3 x 7,9 | 75 | 5 | 30 | SP08/050 |
| 6,3 x 7,9 | 75 | 7,5 | 45 | SP08/075 |
| 6,3 x 7,9 | 75 | 10 | 60 | SP08/100 |
| 6,3 x 7,9 | 75 | 15 | 90 | SP08/150 |
| 6,3 x 7,9 | 75 | 22,5 | 135 | SP08/225 |

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

## Coiled Hoses without Fittings — RECTULASTIC

| Inside x Outside ø mm | Coil Outside Diameter mm | Max. Working Length m | Approx. Coils | Part Number |
|---|---|---|---|---|
| 7,9 x 9,5 | 115 | 2,5 | 10 | SP10/025 |
| 7,9 x 9,5 | 115 | 5 | 20 | SP10/050 |
| 7,9 x 9,5 | 115 | 7,5 | 30 | SP10/075 |
| 7,9 x 9,5 | 115 | 10 | 40 | SP10/100 |
| 7,9 x 9,5 | 115 | 15 | 60 | SP10/150 |
| 7,9 x 9,5 | 115 | 22,5 | 90 | SP10/225 |
| | | | | |
| 9,5 x 11,8 | 140 | 2,5 | 8 | SP12/025 |
| 9,5 x 11,8 | 140 | 5 | 15 | SP12/050 |
| 9,5 x 11,8 | 140 | 7,5 | 23 | SP12/075 |
| 9,5 x 11,8 | 140 | 10 | 31 | SP12/100 |
| 9,5 x 11,8 | 140 | 15 | 46 | SP12/150 |
| 9,5 x 11,8 | 140 | 22,5 | 70 | SP12/225 |
| | | | | |
| 12,7 x 15,8 | 220 | 5 | 10 | SP16/050 |
| 12,7 x 15,8 | 220 | 7,5 | 15 | SP16/075 |
| 12,7 x 15,8 | 220 | 10 | 20 | SP16/100 |
| 12,7 x 15,8 | 220 | 15 | 30 | SP16/150 |
| 12,7 x 15,8 | 220 | 22,5 | 56 | SP16/225 |

## Completely assembled with Swivel Fittings — RECTULASTIC

with swivel fittings
and spring guards (Type DV)

| Inside x Outside ø mm | Coil Outside Diameter mm | Max. Working Length m | Approx. Coils | Part Number |
|---|---|---|---|---|
| 3,1 x 4,7 R1/8 | 38 | 2,5 | 36 | SP05/025/DV |
| 3,1 x 4,7 R1/8 | 38 | 5 | 72 | SP05/050/DV |
| 3,1 x 4,7 R1/8 | 38 | 7,5 | 108 | SP05/075/DV |
| 3,1 x 4,7 R1/8 | 38 | 10 | 144 | SP05/100/DV |
| 4,8 x 6,3 R1/4 | 75 | 2,5 | 15 | SP06/025/DV |
| 4,8 x 6,3 R1/4 | 75 | 5 | 30 | SP06/050/DV |
| 4,8 x 6,3 R1/4 | 75 | 7,5 | 45 | SP06/075/DV |
| 4,8 x 6,3 R1/4 | 75 | 10 | 60 | SP06/100/DV |
| 4,8 x 6,3 R1/4 | 75 | 15 | 90 | SP06/150/DV |
| 4,8 x 6,3 R1/4 | 75 | 22,5 | 140 | SP06/225/DV |
| 6,3 x 7,9 R 1/4 | 75 | 2,5 | 15 | SP08/025/DV |
| 6,3 x 7,9 R 1/4 | 75 | 5 | 30 | SP08/050/DV |
| 6,3 x 7,9 R 1/4 | 75 | 7,5 | 45 | SP08/075/DV |
| 6,3 x 7,9 R 1/4 | 75 | 10 | 60 | SP08/100/DV |
| 6,3 x 7,9 R 1/4 | 75 | 15 | 90 | SP08/150/DV |
| 6,3 x 7,9 R 1/4 | 75 | 22,5 | 135 | SP08/225/DV |

## Completely assembled with Swivel Fittings — RECTULASTIC

with swivel fittings
and spring guards (Type DV)

| Inside x Outside ø mm | Coil Outside Diameter mm | Max. Working Length m | Approx. Coils | Part Number |
|---|---|---|---|---|
| 7,9 x 9,5 R 1/4 | 115 | 2,5 | 10 | SP10/025/DV |
| 7,9 x 9,5 R 1/4 | 115 | 5 | 20 | SP10/050/DV |
| 7,9 x 9,5 R 1/4 | 115 | 7,5 | 30 | SP10/075/DV |
| 7,9 x 9,5 R 1/4 | 115 | 10 | 40 | SP10/100/DV |
| 7,9 x 9,5 R 1/4 | 115 | 15 | 60 | SP10/150/DV |
| 7,9 x 9,5 R 1/4 | 115 | 22,5 | 90 | SP10/225/DV |
| 9,5 x 11,8 R 3/8 | 140 | 2,5 | 8 | SP12/025/DV |
| 9,5 x 11,8 R 3/8 | 140 | 5 | 15 | SP12/050/DV |
| 9,5 x 11,8 R 3/8 | 140 | 7,5 | 23 | SP12/075/DV |
| 9,5 x 11,8 R 3/8 | 140 | 10 | 31 | SP12/100/DV |
| 9,5 x 11,8 R 3/8 | 140 | 15 | 46 | SP12/150/DV |
| 9,5 x 11,8 R 3/8 | 140 | 22,5 | 70 | SP12/225/DV |
| 12,7 x 15,8 R 1/2 | 220 | 5 | 10 | SP16/050/DV |
| 12,7 x 15,8 R 1/2 | 220 | 7,5 | 15 | SP16/075/DV |
| 12,7 x 15,8 R 1/2 | 220 | 10 | 20 | SP16/100/DV |
| 12,7 x 15,8 R 1/2 | 220 | 15 | 30 | SP16/150/DV |
| 12,7 x 15,8 R 1/2 | 220 | 22,5 | 47 | SP16/225/DV |

## Completely assembled with Coupling and Plug — RECTULASTIC

with 26 series coupling and plug
with spring guards

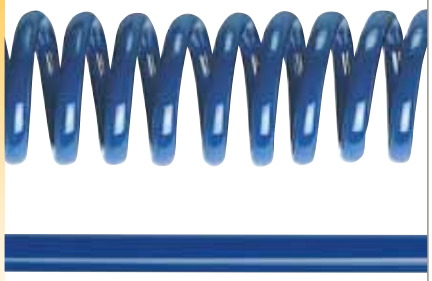
| Inside x Outside ø mm | Coil Outside Diameter mm | Max. Working Length m | Approx. Coils | Part Number |
|---|---|---|---|---|
| 6,3 x 7,9 | 75 | 2,5 | 15 | SP08/025/K+S |
| 6,3 x 7,9 | 75 | 5 | 30 | SP08/050/K+S |
| 6,3 x 7,9 | 75 | 7,5 | 45 | SP08/075/K+S |
| 6,3 x 7,9 | 75 | 10 | 60 | SP08/100/K+S |
| 6,3 x 7,9 | 75 | 15 | 90 | SP08/150/K+S |
| 6,3 x 7,9 | 75 | 22,5 | 135 | SP08/225/K+S |
| | | | | |
| 7,9 x 9,5 | 115 | 2,5 | 10 | SP10/025/K+S |
| 7,9 x 9,5 | 115 | 5 | 20 | SP10/050/K+S |
| 7,9 x 9,5 | 115 | 7,5 | 30 | SP10/075/K+S |
| 7,9 x 9,5 | 115 | 10 | 40 | SP10/100/K+S |
| 7,9 x 9,5 | 115 | 15 | 60 | SP10/150/K+S |
| 7,9 x 9,5 | 115 | 22,5 | 90 | SP10/225/K+S |
| | | | | |
| 9,5 x 11,8 | 140 | 2,5 | 8 | SP12/025/K+S |
| 9,5 x 11,8 | 140 | 5 | 15 | SP12/050/K+S |
| 9,5 x 11,8 | 140 | 7,5 | 23 | SP12/075/K+S |
| 9,5 x 11,8 | 140 | 10 | 31 | SP12/100/K+S |
| 9,5 x 11,8 | 140 | 15 | 46 | SP12/150/K+S |
| 9,5 x 11,8 | 140 | 22,5 | 70 | SP12/225/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 light-weight, 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

**Working Temperature Hose:**
-40°C up to +75°C

**Working Temperature Hose Assembled:**
-20°C up to +70°C

Maximum operating pressure:
see chart

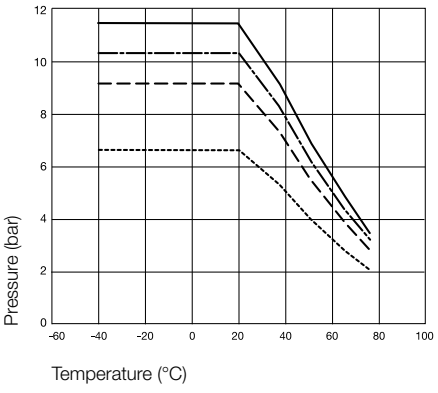
**Durometer:**
95 Shore A

All technical data refers to air applications. We will gladly assistant you for other media.

## Flow diagrams

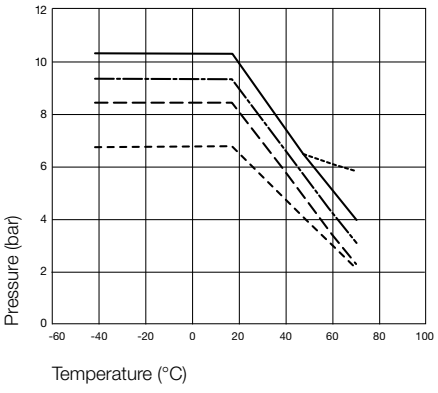
**Relation Working Pressure / Temperature**
The pressure specifications apply only for the hose and not for the connection fittings.

**Straight**



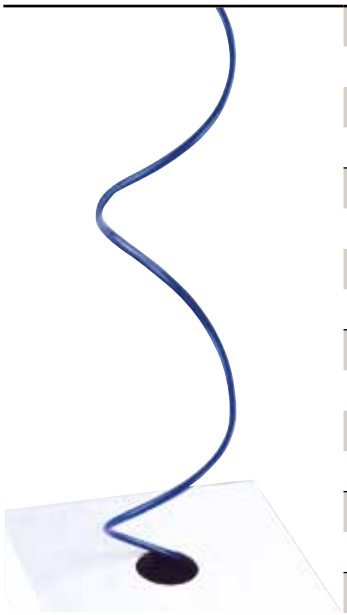

PU040
PU100
PU060, MPS/06
PU080, PU120, MPS/08

**Coiled**




PU10, PU19
PU15, MPC06
PU12
PU08
MPC08

## Straight Hoses — RECTUFLEX



| Inside x Outside ø mm | Coil Outside Diameter mm | Working Length m | Part Number Blue* | Part Number Red* |
|---|---|---|---|---|
| 2,5 x 4,0 | | 25 | PU040/025/03 | PU040/025/02 |
| 2,5 x 4,0 | | 50 | PU040/050/03 | PU040/050/02 |
| 2,5 x 4,0 | | 100 | PU040/100/03 | PU040/100/02 |
| 4,0 x 6,0 | | 25 | PU060/025/03 | PU060/025/02 |
| 4,0 x 6,0 | | 50 | PU060/050/03 | PU060/050/02 |
| 4,0 x 6,0 | | 100 | PU060/100/03 | PU060/100/02 |
| 6,0 x 8,0 | | 25 | PU080/025/03 | PU080/025/02 |
| 6,0 x 8,0 | | 50 | PU080/050/03 | PU080/050/02 |
| 6,0 x 8,0 | | 100 | PU080/100/03 | PU080/100/02 |
| 6,5 x 10,0 | | 25 | PU100/025/03 | PU100/025/02 |
| 9,0 x 12,0 | | 25 | PU120/025/03 | PU120/025/02 |

* Hoses in black or transparent available on request.

## Multicolor straight — RECTUFLEX

| Inside x Outside ø mm | Coil Outside Diameter mm | Working Length m | Part Number 2-color | Part Number 4-color |
|---|---|---|---|---|
| 4,0 x 6,0 | | 25 | MPS02/06/025 | MPS04/06/025 |
| 6,0 x 8,0 | | 25 | MPS02/08/025 | MPS04/08/025 |

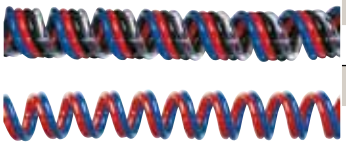
⚠ Please consider our security advices on the pages 12/13 ⚠

## Completely assembled — RECTUFLEX

with straight extensions 508 mm and 127mm

| Inside x Outside ø mm | Coil Outside Diameter mm | Working Length m | Connection | Part Number |
|---|---|---|---|---|
| 5,0 x 8,0 | 40 | 2 | G 1/4 | PU08/020/DV |
| 5,0 x 8,0 | 40 | 3 | G 1/4 | PU08/030/DV |
| 5,0 x 8,0 | 40 | 4 | G 1/4 | PU08/040/DV |
| 5,0 x 8,0 | 40 | 6 | G 1/4 | PU08/060/DV |
| 5,0 x 8,0 | 40 | 7,5 | G 1/4 | PU08/075/DV |
| | | | | |
| 6,3 x 9,5 | 60 | 2 | G 1/4 | PU10/020/DV |
| 6,3 x 9,5 | 60 | 3 | G 1/4 | PU10/030/DV |
| 6,3 x 9,5 | 60 | 4 | G 1/4 | PU10/040/DV |
| 6,3 x 9,5 | 60 | 6 | G 1/4 | PU10/060/DV |
| 6,3 x 9,5 | 60 | 7,5 | G 1/4 | PU10/075/DV |
| | | | | |
| 8,0 x 12,0 | 80 | 3 | G 3/8 | PU12/030/DV |
| 8,0 x 12,0 | 80 | 4 | G 3/8 | PU12/040/DV |
| 8,0 x 12,0 | 80 | 6 | G 3/8 | PU12/060/DV |
| 8,0 x 12,0 | 80 | 7,5 | G 3/8 | PU12/075/DV |
| | | | | |
| 9,5 x 15,0 | 110 | 3 | G 3/8 | PU15/030/DV |
| 9,5 x 15,0 | 110 | 4 | G 3/8 | PU15/040/DV |
| 9,5 x 15,0 | 110 | 6 | G 3/8 | PU15/060/DV |
| 9,5 x 15,0 | 110 | 7,5 | G 3/8 | PU15/075/DV |
| | | | | |
| 12,0 x 19,0 | 110 | 6 | R 1/2 | PU19/060/DV |
| 12,0 x 19,0 | 110 | 7,5 | R 1/2 | PU19/075/DV |
| | | | | |

## Multicolor coiled — RECTUFLEX



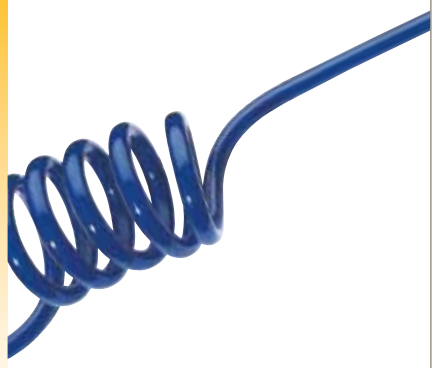
| Inside x Outside ø mm | Coil Outside Diameter mm | Working Length m | Part Number 2-color | Part Number 4-color |
|---|---|---|---|---|
| 4,0 x 6,0 | 60 | 2,5 | MPC02/06/025 | MPC04/06/025 |
| 4,0 x 6,0 | 60 | 6 | MPC02/06/060 | MPC04/06/060 |
| 4,0 x 6,0 | 60 | 7,5 | MPC02/06/075 | MPC04/06/075 |
| | | | | |
| 6,0 x 8,0 | 60 | 2,5 | MPC02/08/025 | MPC04/08/025 |
| 6,0 x 8,0 | 60 | 6 | MPC02/08/060 | MPC04/08/060 |
| 6,0 x 8,0 | 60 | 7,5 | MPC02/08/075 | MPC04/08/075 |
| | | | | |

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

Recoil Hoses

Polyurethane Hose with Straight Extension

# RECTUFLEX



**Technical Description**
The extremely elastic Nycoil polyurethane hose with straight extension (100 mm at the con- necting end, coils in various lengths, 2000 mm at the tool con- nection end) has the same favourable properties as our conventional coiled hoses: high shape recovery, low looping tendency, higher abrasion re- sistance, 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

**Working Temperature Hose:**
-40°C up to +75°C

**Working Temperature Hose Assembled:**
-20°C up to +70°C

**Maximum operating pressure:**
see chart

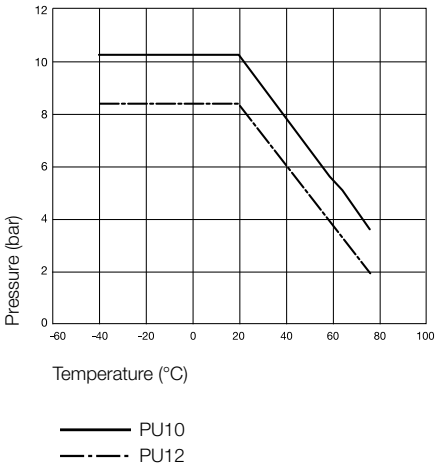
**Durometer:**
95 Shore A

**Color:**
blue (Other colors available on request)

All technical data refers to air applications. We will gladly assist you for other media.

## Flow diagrams

**Relation Working Pressure / Temperature**
The pressure specifications apply only for the hose and not for the connection fittings.



## Polyurethane Hose with Straight Extension — 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 | PU10/230 | PU10/260 | PU10/275 |
| 8,0 x 12,0 | 80 | PU12/230 | PU12/260 | PU12/275 |

* total hose length

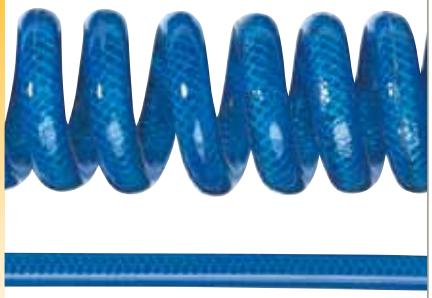
## Fittings — RECTUFLEX

| | Easy do-it-yourself assembly for coupling and plug 25 Series for PU 10 and PU 12 hoses | Part Number |
|---|---|---|
| | Coupling with spring guard for PU10 | 25KAKU10SPN |
| | Coupling with spring guard for PU12 | 25KAKU12SPN |
| | Plug with spring guard for PU10 | 26SFKU10MXN |
| | Plug with spring guard for PU12 | 26SFKU12MXN |
| | Fixed screw connection with spring guard for PU10 | SV17/10AN |
| | Fixed screw connection with spring guard for PU12 | SV17/12AN |
| | Protective sleeve (black) | T1300-351BK |

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

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 elasti- city 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 (design 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

**Working Temperature:**
-40°C up to +75°C

**Maximum Operating Pressure:**
see chart

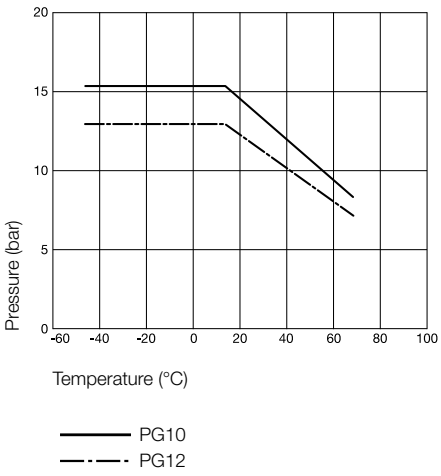
**Durometer:**
85 Shore A

**Color:**
light blue -transparent-

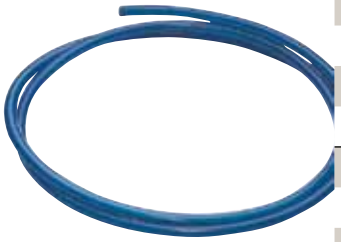
All technical data refers to air applications. We will gladly assist you for other media.

## Flow diagrams

**Relation Working Pressure / Temperature**
The pressure specifications apply only for the hose and not for the connection fittings.



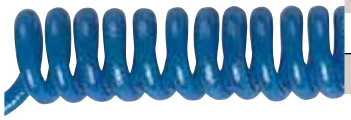
## Straight Hoses — SUPERBRAID



with fabric lining

| Inside x Outside ø mm | Coil Outside Diameter mm | Working Length m | Connection | Part Number |
|---|---|---|---|---|
| 6,3 x 9,5 | | 25 | | PG10/025 |
| 7,9 x 11,7 | | 25 | | PG12/025 |

## Coiled Hoses — SUPERBRAID



with fabric lining

| Inside x Outside ø mm | Coil Outside Diameter mm | Working Length m | Connection | Part Number |
|---|---|---|---|---|
| 6,3 x 9,5 | 42 | 3 | G 1/4 | PG10/030/DV |
| 6,3 x 9,5 | 42 | 6 | G 1/4 | PG10/060/DV |
| 6,3 x 9,5 | 42 | 7,5 | G 1/4 | PG10/075/DV |
| 7,9 x 11,7 | 55 | 3 | G 3/8 | PG12/030/DV |
| 7,9 x 11,7 | 55 | 6 | G 3/8 | PG12/060/DV |
| 7,9 x 11,7 | 55 | 7,5 | G 3/8 | PG12/075/DV |
| fully assembled with 2x nickel-plated, swivel screw connections | | | | |

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

Polyurethane Inner Braided Hose

# ULTRA-LITE SUPERBRAID

**Technical Description**
Thanks to the special produc- tion 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 indi- vidual layers are not perma- nently 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 pro-cess, 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)

**Working Temperature:**
-40°C up to +75°C

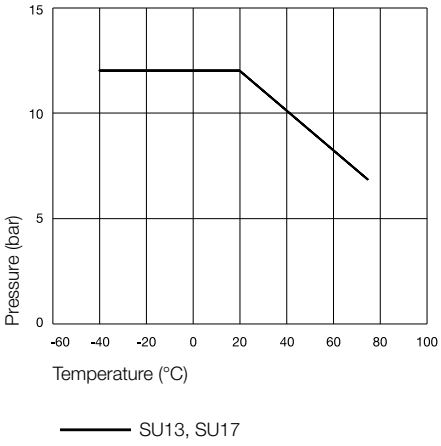
**Maximum Operating Pressure:**
see chart

**Color:**
yellow

All technical data refers to air applications. We will gladly assistant you for other media.

## Flow diagrams

**Relation Working Pressure / Temperature**
The pressure specifications apply only for the hose and not for the connection fittings.



## Straight Hose — ULTRA-LITE SUPERBRAID

| | Inside x Outside ø mm | Coil Outside Diameter mm | Working Length m | Weight g/m | Part Number |
|---|---|---|---|---|---|
| | 9,5 x 13,0 | | 25 | 75 | SU13/025/05 |
| | 12,7 x 17,4 | | 25 | 127 | SU17/025/05 |

## Self-assembly connections for SU13 — ULTRA-LITE SUPERBRAID

| For matching protective sleeves for the protec- tion of the surfaces please refer to Page 350 | Series | Flow at 6 bar (Pressure drop 0,5 bar) in l/min | Weight g | Part Number |
|---|---|---|---|---|
| | Coupling Series 1600 | 2100 | 100 | 1600KAKU13SPN |
| | Coupling Series 1400 | 960 | 90 | 1400KAKU13SPN |
| | Plug Series 26 (1600) | | 50 | 26SFKU13MXN |
| | Plug Series 23 (1400) | | 55 | 23SFKU13MXN |
| | Plug Series 23 (1400) | | 55 | 23SFKU13MXN |
| | fixed screw connection G 3/8 | | 50 | SV17/13AN |
| | fixed screw connection G 1/2 f. SU17 | | 60 | SV21/17AN |

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

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
- mani- facturer‘s imprint with technical specifications
- TÜV-certified

**Working Temperature:**
-15°C up to +60°C

**Maximum Operating Pressure at +23°C:**
15 bar

**Bursting Pressure at +23°C:**
63 bar

**Color:**
light blue

## Straight Hoses

## RECTUSOFT

| Inside x Outside ø mm | Coil Outside Diameter mm | Package Unit | Part Number |
|---|---|---|---|
| 6,3 x 11,0 | 45 | 50 | PVC06/050/03 |
| 9,0 x 14,5 | 63 | 50 | PVC09/050/03 |
| 12,7 x 19,0 | 89 | 50 | PVC12/050/03 |

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

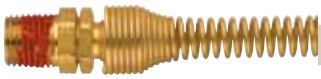
# Hose Accessories

## Hose Cutter

(up to outside Diameter 14 mm)

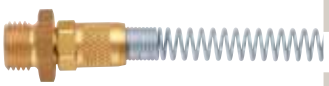
| L | L1 | Part Number |
|---|---|---|
| 79 | 25 | RP71-00 |

## Swivelling Spring Guard



| Connection mm | HEX | Length | Version | Part Number |
|---|---|---|---|---|
| R 1/8 3,1 x 4,7 | 11 | | Brass | DV10/05 |
| R 1/4 4,8 x 6,3 | 14 | | Brass | DV13/06 |
| R 1/4 6,3 x 7,9 | 14 | | Brass | DV13/08 |
| R 1/4 7,9 x 9,5 | 15 | | Brass | DV13/10 |
| R 3/8 9,5 x 11,8 | 19 | | Brass | DV17/12 |
| R 1/2 12,7 x 15,8 | 22 | | Brass | DV21/16 |

## Fixed Spring Guard



with spring guard
* with inner cone 45°

| Connection mm | HEX | Length | Version | Part Number |
|---|---|---|---|---|
| M 5 4,0 x 6,0 | 8 | 103 | Brass | SV05/06 |
| G 1/8 4,0 x 6,0 | 12 | 103 | Brass | SV10/06 |
| G 1/8 6,0 x 8,0 | 12 | 106 | Brass | SV10/08 |
| G 1/4 4,0 x 6,0 | 17 | 103 | Brass | SV13/06 |
| G 1/4 6,0 x 8,0 | 17 | 106 | Brass | SV13/08 |
| G 1/4 8,0 x 10,0 | 17 | 119 | Brass | SV13/10 |
| G 1/4 9,0 x 12,0 | 17 | 123 | Brass | SV13/12 |
| G 3/8 6,0 x 8,0 * | 19 | 106 | Brass | SV17/08 |
| G 3/8 8,0 x 10,0 * | 19 | 119 | Brass | SV17/10 |
| G 3/8 9,0 x 12,0 * | 19 | 123 | Brass | SV17/12 |

## Reusable Swivel Fittings

swivelling

| Connection mm | for Hose | Part Number |
|---|---|---|
| G 1/4 | PU08 | PV13/08 |
| G 1/4 | PU10 | PV13/10 |
| G 3/8 | PU12 | PV17/12 |
| G 3/8 | PU15 | PV17/15 |

## Worm Drive Hose Clips

| Spread mm | Height mm | Part Number |
|---|---|---|
| 10-16 | 8 | KA1016 |
| 12 - 22 | 8 | KA1222 |
| 16 - 27 | 8 | KA1627 |
| 23 - 35 | 9 | KA2335 |
| 30 - 45 | 9 | KA3045 |
| 32 - 50 | 12 | KA3250 |
| 40 - 60 | 12 | KA4060 |
| 50 - 70 | 12 | KA5070 |
| 60 - 80 | 12 | KA6080 |

## ‚O'-Clips

| Spread mm | Height mm | Part Number |
|---|---|---|
| 5 - 7 | 6 | KB0507 |
| 7 - 9 | 7 | KB0709 |
| 9 - 11 | 7 | KB0911 |
| 11 - 13 | 7 | KB1113 |
| 13 - 15 | 7,5 | KB1315 |
| 15 - 18 | 8 | KB1518 |
| 17 - 20 | 8,5 | KB1720 |
| 20 - 23 | 9 | KB2023 |
| 25 - 28 | 10 | KB2528 |
| 28 - 31 | 10 | KB2831 |
| 31 - 34 | 10 | KB3134 |
| 34 - 37 | 10 | KB3437 |
| 37 - 40 | 10 | KB3740 |
| 40 - 43 | 10 | KB4043 |
| 43 - 46 | 10 | KB4346 |

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

# Hose Drum

| | Description | Connection | Working Length m | Working Pressure bar | Part Number |
|---|---|---|---|---|---|
| | - PU-Hose (9,0 x 14,5), black | Series 25KA | 15 | 15 | DST915-25 |
| | - 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 ⚠

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| 1600 | Self-Venting | 294 |
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| 1700 | Brass/Steel | 134 |
| 1700 | Self-Venting | 296 |
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| 18 | Brass/Steel | 50 |
| 18 | Self-Venting | 286 |
| 1800 | Brass/Steel | 140 |
| 1800 | Stainless Steel | 220 |
| 19 | Brass/Steel | 52 |
| 1900 | Brass/Steel | 160 |
| 20 | Brass/Steel | 20 |
| 20 | Stainless Steel | 180 |
| 204 | Brass/Steel | 26 |
| 204 | Stainless Steel | 190 |
| 206 | Brass/Steel | 74 |
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| 25 | Brass/Steel | 98 |
| 25 | Stainless Steel | 208 |
| 25 | Safety | 274 |
| 25 | Coded Systems | 302 |
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| 26 | Self-Venting | 292 |
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| 38 | Brass/Steel | 166 |
| 39 | Brass/Steel | 170 |
| 40 | Brass/Steel | 128 |
| 41 | Brass/Steel | 148 |
| 42 | Brass/Steel | 150 |
| 45 | Brass/Steel | 122 |
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## Accessories


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# Notices

# Notices

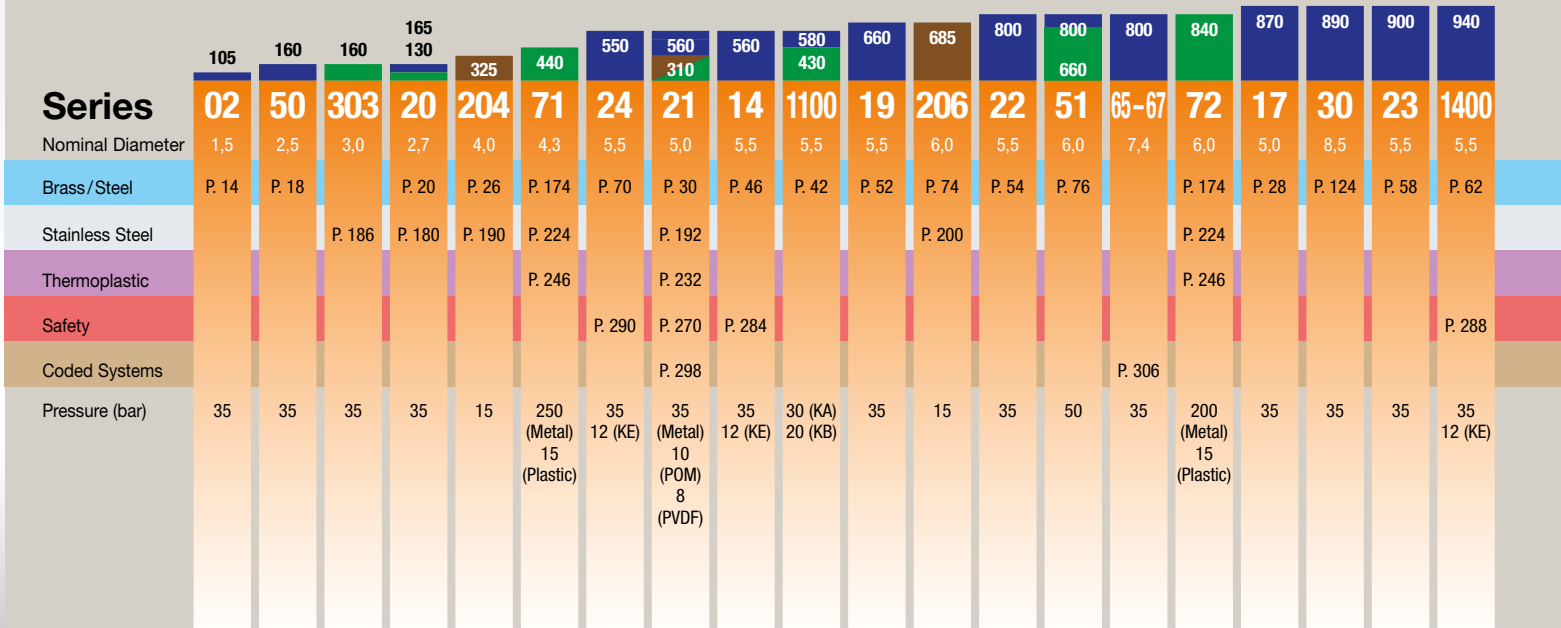
# ALL OUR PERFORMANCE CAPACITY AT A GLANCE.

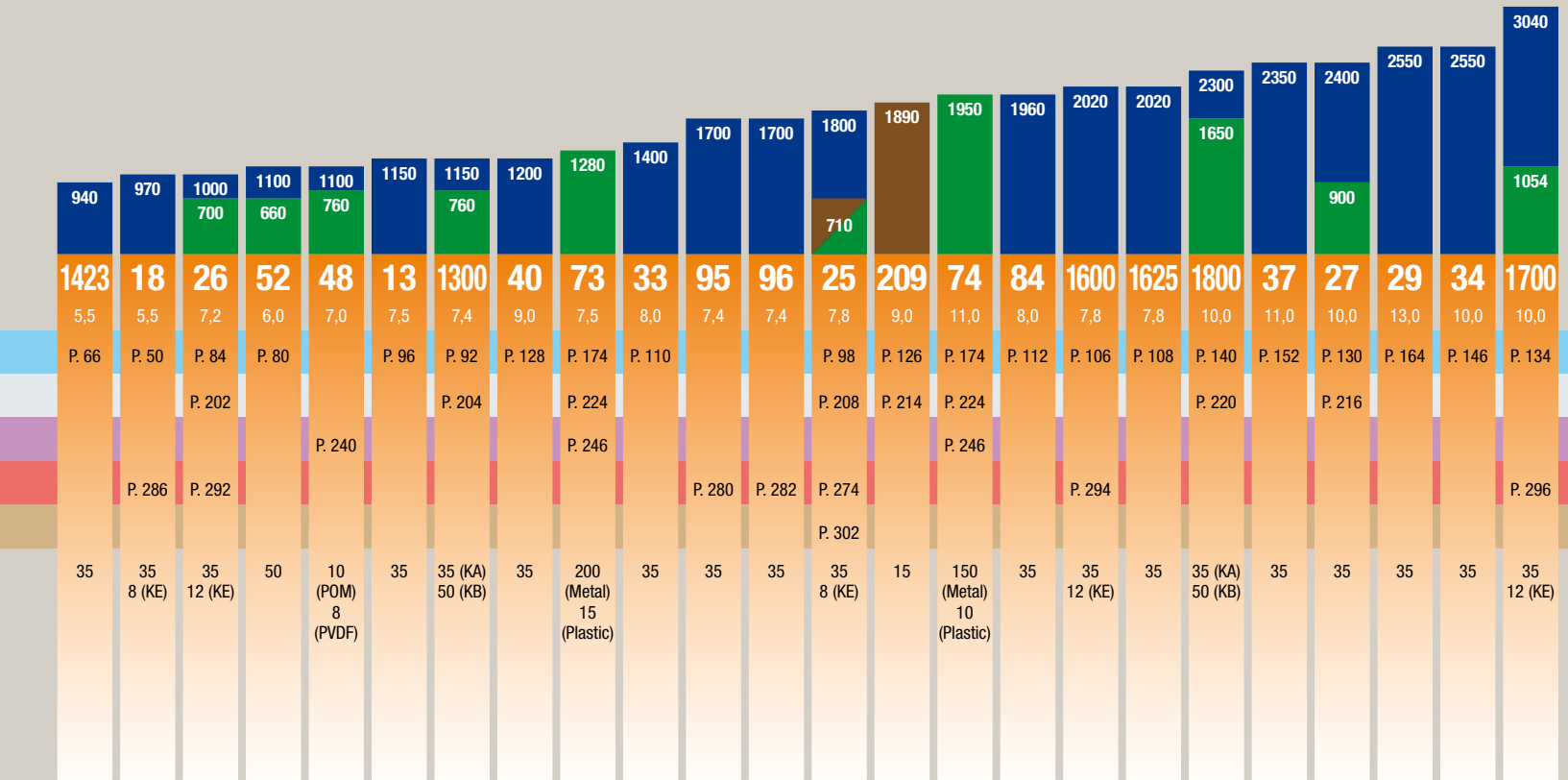
Using this flow rate diagram, you can identify at a glance the coupling series suited to your application and the corresponding operating pressure.

- Flow KL (l/min.) – leak-free coupling systems
- Flow KB (l/min.) – double shut-off coupling systems
- Flow KA (l/min.) – single shut-off coupling systems
- Flow KF (l/min.) – straight-through coupling systems

The details refer to the air flow rate in litres/minute.*

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




940
970
1000
700
1100
660
1100
760
1150
1150
760
1200
1280
1400
1700
1700
1800
710
1890
1950
1960
2020
2020
2300
1650
2350
2400
900
2550
2550
3040
1054
1423
5,5
P. 66
35
18
5,5
P. 50
35
8 (KE)
26
7,2
P. 84
P. 202
P. 286
P. 292
35
12 (KE)
52
6,0
P. 80
50
48
7,0
P. 240
10
(POM)
8
(PVDF)
13
7,5
P. 96
35
1300
7,4
P. 92
P. 204
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40
9,0
P. 128
35
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P. 174
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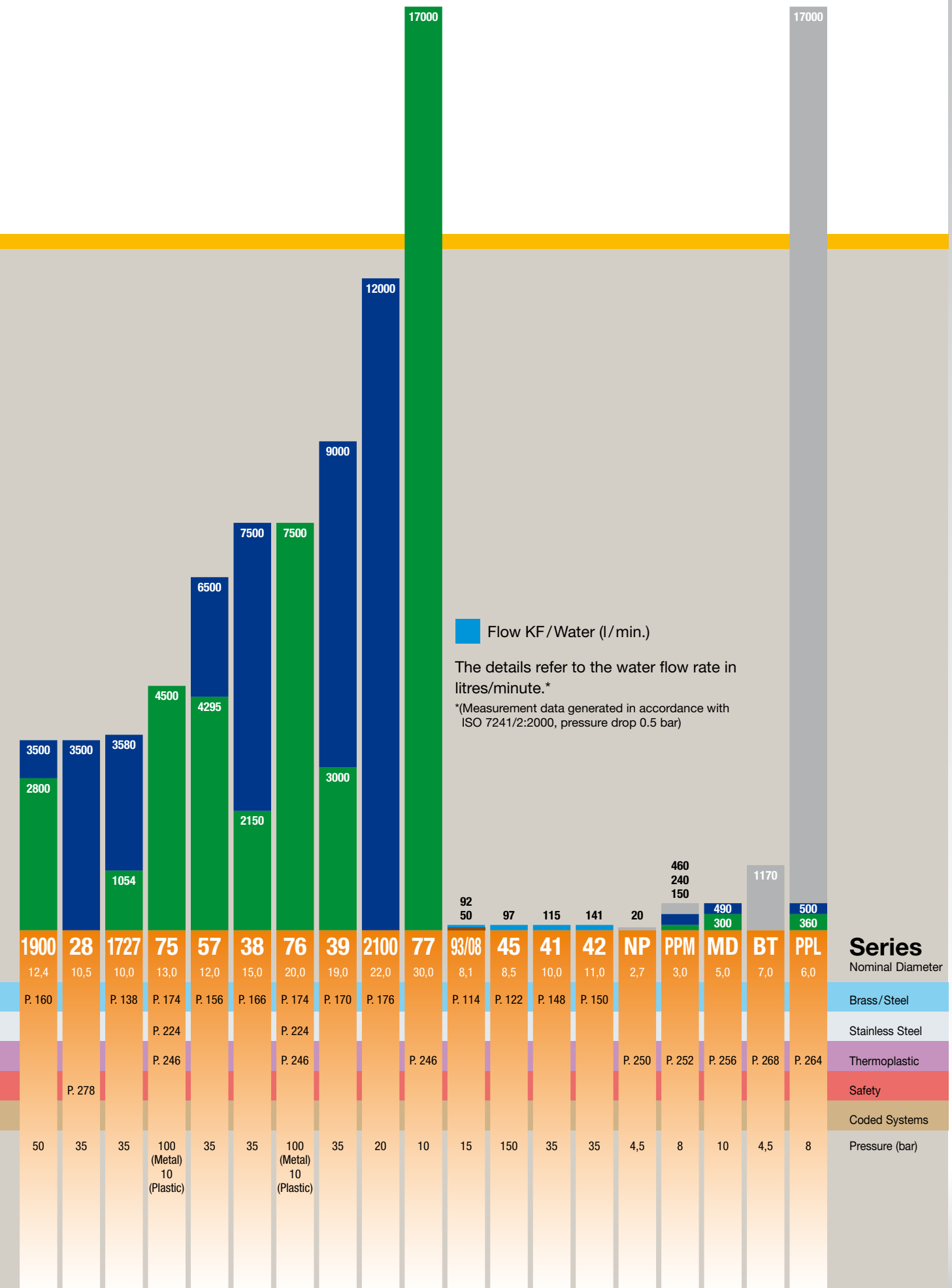
200
(Metal)
15
(Plastic)
33
8,0
P. 110
35
95
7,4
P. 280
35
96
7,4
P. 282
35
25
7,8
P. 98
P. 208
P. 274
P. 302
35
8 (KE)
209
9,0
P. 126
P. 214
15
74
11,0
P. 174
P. 224
P. 246
150
(Metal)
10
(Plastic)
84
8,0
P. 112
35
1600
7,8
P. 106
P. 294
35
12 (KE)
1625
7,8
P. 108
35
1800
10,0
P. 140
P. 220
35 (KA)
50 (KB)
37
11,0
P. 152
35
27
10,0
P. 130
P. 216
35
29
13,0
P. 164
35
34
10,0
P. 146
35
1700
10,0
P. 134
P. 296
35
12 (KE)


Flow KF/Water (l/min.)
The details refer to the water flow rate in litres/minute.*
*(Measurement data generated in accordance with ISO 7241/2:2000, pressure drop 0.5 bar)
Series
Nominal Diameter
Brass/Steel
Stainless Steel
Thermoplastic
Safety
Coded Systems
Pressure (bar)
1900 12,4 P. 160 50
28 10,5 P. 278 35
1727 10,0 P. 138 35
75 13,0 P. 174 P. 224 P. 246 100 (Metal) 10 (Plastic)
57 12,0 P. 156 35
38 15,0 P. 166 35
76 20,0 P. 174 P. 224 P. 246 100 (Metal) 10 (Plastic)
39 19,0 P. 170 35
2100 22,0 P. 176 20
77 30,0 P. 246 10
93/08 8,1 P. 114 15
45 8,5 P. 122 150
41 10,0 P. 148 35
42 11,0 P. 150 35
NP 2,7 P. 250 4,5
PPM 3,0 P. 252 8
MD 5,0 P. 256 10
BT 7,0 P. 268 4,5
PPL 6,0 P. 264 8
3500 2800
3500
3580 1054
4500
6500 4295
7500 2150
7500
9000 3000
12000
17000
92 50
97
115
141
20
460 240 150
490 300
1170
17000
500 360

# 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 00800 27 27 5374**

## 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
Silicone tubing & extrusions
Thermal management
Vibration dampening

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