

## Nominal Diameter

# 5

 = 20 mm<sup>2</sup>


## Rectus Series

# 21



## Other designs in series 21

The following other designs can be found from page:

- |                   |        |
|-------------------|--------|
| ► Brass / Steel   | P. 26  |
| ► Stainless Steel | P. 140 |
| ► Thermoplastic   | P. 176 |
| ► Coded Systems   | P. 234 |

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.

Series 21 in brass material without nickel plating and with additional end connections available on request.

**Dust Protections**  (P. 250)  
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.

**Working Pressure\*\***

35 bar

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

35 bar

**Material**

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

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

**Technical Description**

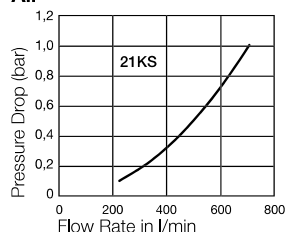
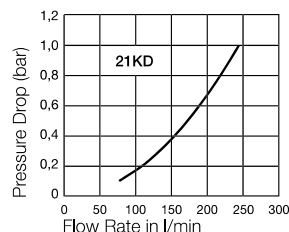
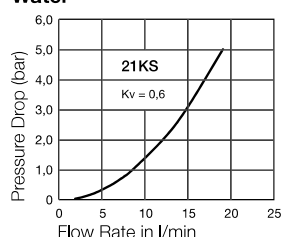
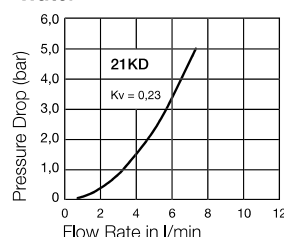
**Connecting Force 0 bar:** 35 N  
**Connecting Force 6 bar:** 60 N

**Vacuum Coupling:** 87%  
**Vacuum connected:** 87%

**Dead space volume:** 0,6 ml

**Connecting Force 0 bar:** 40 N  
**Connecting Force 6 bar:** 80 N

**Vacuum Coupling:** 96%  
**Vacuum Plug:** 96%  
**Vacuum connected:** 96%

**Flow diagrams****Air****Air****Water****Water**



## Couplings – with valve

## Series 21KS

|                   | Connection<br>A | HEX<br>mm | L<br>mm | L1<br>mm | D<br>mm | Part Number |
|-------------------|-----------------|-----------|---------|----------|---------|-------------|
| <br>Male Thread   | G 1/8           | 14        | 36      | 7        | 16      | 21KSAW10MPN |
|                   | G 1/4           | 17        | 38      | 9        | 16      | 21KSAW13MPN |
|                   | G 3/8           | 19        | 38      | 9        | 16      | 21KSAW17MPN |
|                   |                 |           |         |          |         |             |
| <br>Female Thread | G 1/8           | 14        | 36      | 9        | 16      | 21KSIW10MPN |
|                   | G 1/4           | 17        | 38      | 9        | 16      | 21KSIW13MPN |
|                   | G 3/8           | 19        | 38      | 6        | 16      | 21KSIW17MPN |
|                   |                 |           |         |          |         |             |
| <br>Hose Barb     | 4 mm            | 14        | 46      | 17       | 16      | 21KSTF04MPN |
|                   | 5 mm            | 14        | 46      | 17       | 16      | 21KSTF05MPN |
|                   | 6 mm            | 14        | 46      | 17       | 16      | 21KSTF06MPN |
|                   | 8 mm            | 14        | 46      | 17       | 16      | 21KSTF08MPN |
|                   | 9 mm            | 14        | 46      | 17       | 16      | 21KSTF09MPN |
|                   | 10 mm           | 14        | 46      | 17       | 16      | 21KSTF10MPN |



## Plugs – without valve

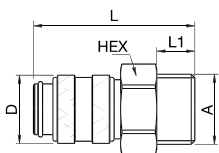
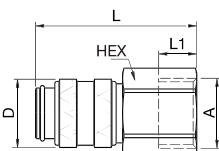
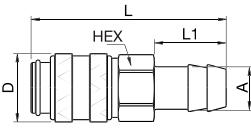
## Series 21KS

|                   | Connection<br>A | HEX<br>mm | L<br>mm | L1<br>mm | D<br>mm | Part Number |
|-------------------|-----------------|-----------|---------|----------|---------|-------------|
| <br>Male Thread   | G 1/8           | 14        | 25      | 7        |         | 21SSAW10MXN |
|                   | G 1/4           | 17        | 28      | 9        |         | 21SSAW13MXN |
|                   |                 |           |         |          |         |             |
|                   |                 |           |         |          |         |             |
| <br>Female Thread | G 1/8           | 14        | 25      | 8        |         | 21SSIW10MXN |
|                   | G 1/4           | 17        | 25      | 9        |         | 21SSIW13MXN |
|                   |                 |           |         |          |         |             |
|                   |                 |           |         |          |         |             |
| <br>Hose Barb     | 6 mm            |           | 32      | 17       | 9       | 21SSTF06MXN |
|                   | 8 mm            |           | 32      | 17       | 9       | 21SSTF08MXN |
|                   | 10 mm           |           | 33      | 17       | 12      | 21SSTF10MXN |
|                   |                 |           |         |          |         |             |



## Couplings – with valve

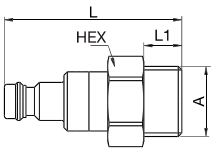
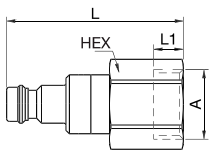
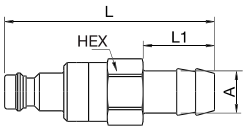
## Series 21KD

|                                                                                                    | Connection<br>A | HEX<br>mm | L<br>mm | L1<br>mm | D<br>mm | Part Number |
|----------------------------------------------------------------------------------------------------|-----------------|-----------|---------|----------|---------|-------------|
| <br>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 |
|                                                                                                    |                 |           |         |          |         |             |
| <br>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 |
|                                                                                                    |                 |           |         |          |         |             |
| <br>Hose Barb     | 6 mm            | 14        | 46      | 17       | 16      | 21KDTF06MPN |
|                                                                                                    | 10 mm           | 14        | 46      | 17       | 16      | 21KDTF10MPN |
|                                                                                                    |                 |           |         |          |         |             |
|                                                                                                    |                 |           |         |          |         |             |



## Plugs – with valve

## Series 21KD

|                                                                                                      | Connection<br>A | HEX<br>mm | L<br>mm | L1<br>mm | D<br>mm | Part Number |
|------------------------------------------------------------------------------------------------------|-----------------|-----------|---------|----------|---------|-------------|
| <br>Male Thread   | G 1/8           | 14        | 40      | 7        |         | 21SDAW10MPN |
|                                                                                                      | G 1/4           | 17        | 42      | 9        |         | 21SDAW13MPN |
|                                                                                                      | G 3/8           | 19        | 42      | 9        |         | 21SDAW17MPN |
|                                                                                                      |                 |           |         |          |         |             |
| <br>Female Thread | G 1/8           | 14        | 40      | 7        |         | 21SDIW10MPN |
|                                                                                                      | G 1/4           | 17        | 42      | 7        |         | 21SDIW13MPN |
|                                                                                                      |                 |           |         |          |         |             |
|                                                                                                      |                 |           |         |          |         |             |
| <br>Hose Barb     | 6 mm            | 14        | 50      | 17       |         | 21SDTF06MPN |
|                                                                                                      | 10 mm           | 14        | 50      | 17       |         | 21SDTF10MPN |
|                                                                                                      |                 |           |         |          |         |             |
|                                                                                                      |                 |           |         |          |         |             |

