

Nominal Diameter

**10** = 80 mm<sup>2</sup>


Rectus Series

**27**


1/2" universal industrial coupling with standard European profile for use with large pneumatic consumers. Coupling system with single-hand operation. High Flow 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.

Series 27 with additional end connections available on request.

**Dust Protections** (P. 250)  
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. 86
- Safety Self-Venting P. 232


**Working Pressure\*\***

35 bar

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

35 bar

**Material**

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

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

**Technical Description**

**Connecting Force 0 bar:** 60 N  
**Connecting Force 6 bar:** 180 N

**Vacuum Coupling:** 87%  
Available on request with O-ring seal for vacuum when coupled.

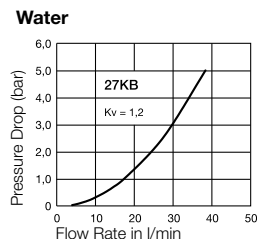
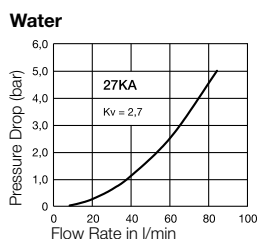
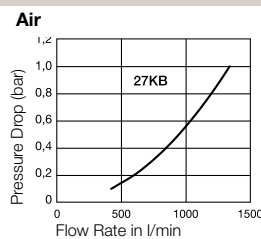
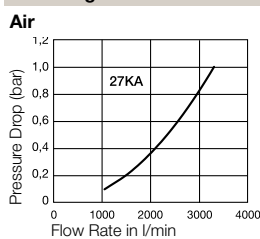
**Dead space volume:** 2,2 ml

**Connecting Force 0 bar:** 60 N  
**Connecting Force 6 bar:** 180 N

**Vacuum Coupling:** 96%  
**Vacuum Plug:** 96%  
Available on request with O-ring seal for vacuum when coupled.

**Interchangeability (KA only)**

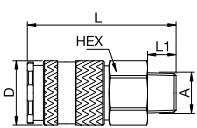
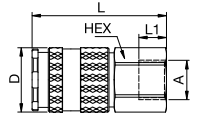
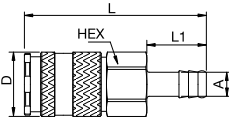
- Cejn 410

**Flow diagrams**




## Couplings – with valve

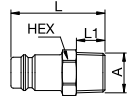
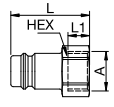
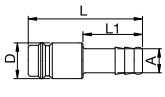
## Series 27KA

|  | Connection A | HEX mm | L mm | L1 mm | D mm | Version    | Part Number |
|--|--------------|--------|------|-------|------|------------|-------------|
| <br>Male Thread   | 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 |
| <br>Female Thread | G 3/4        | 32     | 60,5 | 16    | 27   | AISI 316 L | 27KAAW26EVX |
|  | 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 316 L | 27KAIW26EVX |
|  |              |        |      |       |      |            |             |
| <br>Hose Barb     | 13 mm        | 24     | 76,5 | 25    | 27   | AISI 303   | 27KATF13RVX |
|  | 13 mm        | 24     | 76,5 | 25    | 27   | AISI 316 L | 27KATF13EVX |
|  |              |        |      |       |      |            |             |
|  |              |        |      |       |      |            |             |



## Plugs – without valve

## Series 27KA

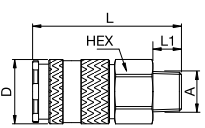
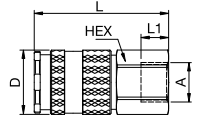
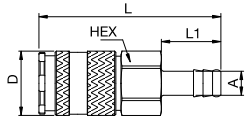
|  | Connection A | HEX mm | L mm | L1 mm | D mm | Version    | Part Number |
|--|--------------|--------|------|-------|------|------------|-------------|
| <br>Male Thread   | G 1/4        | 17     | 36,5 | 9     |      | AISI 303   | 27SFAW13RXX |
|  | G 1/4        | 17     | 36,5 | 9     |      | AISI 316 L | 27SFAW13EXX |
|  | G 3/8        | 19     | 36,5 | 9     |      | AISI 303   | 27SFAW17RXX |
|  | G 1/2        | 24     | 40   | 12    |      | AISI 303   | 27SFAW21RXX |
|  | G 1/2        | 24     | 40   | 12    |      | AISI 316 L | 27SFAW21EXX |
| <br>Female Thread | 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 |
| <br>Hose Barb     | 8 mm         |        | 48   | 25    | 15   | AISI 303   | 27SFTF08RXX |
|  | 9 mm         |        | 48   | 25    | 15   | AISI 303   | 27SFTF09RXX |
|  | 13 mm        |        | 48   | 25    | 15   | AISI 303   | 27SFTF13RXX |
|  | 13 mm        |        | 48   | 25    | 15   | AISI 316 L | 27SFTF13EXX |
|  | 19 mm        |        | 49   | 25    | 21   | AISI 303   | 27SFTF19RXX |

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

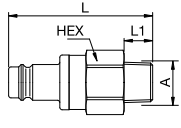
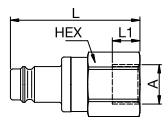
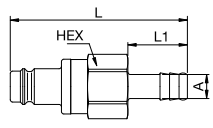
Stainless Steel

Low Pressure


**Couplings – with valve**
**Series 27KB**

|  | Connection A | HEX mm | L mm | L1 mm | D mm | Version    | Part Number |
|--|--------------|--------|------|-------|------|------------|-------------|
| <br>Male Thread   | 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 316 L | 27KBAW26EVX |
| <br>Female Thread | G 1/2        | 24     | 56,5 | 12    | 27   | AISI 303   | 27KBIW21RVX |
|  | G 1/2        | 24     | 56,5 | 12    | 27   | AISI 316 L | 27KBIW21EVX |
|  |              |        |      |       |      |            |             |
| <br>Hose Barb     | 13 mm        | 24     | 76,5 | 25    | 27   | AISI 316 L | 27KBTF13EVX |
|  |              |        |      |       |      |            |             |
|  |              |        |      |       |      |            |             |


**Plugs – with valve**
**Series 27KB**

|  | Connection A | HEX mm | L mm | L1 mm | D mm | Version    | Part Number |
|--|--------------|--------|------|-------|------|------------|-------------|
| <br>Male Thread   | G 1/2        | 24     | 57,5 | 12    |      | AISI 303   | 27SBAW21RVX |
|  | G 1/2        | 24     | 57,5 | 12    |      | AISI 316 L | 27SBAW21EVX |
|  |              |        |      |       |      |            |             |
| <br>Female Thread | G 1/4        | 24     | 54,5 | 10    |      | AISI 316 L | 27SBIW13EVX |
|  | G 1/2        | 24     | 54,5 | 12    |      | AISI 303   | 27SBIW21RVX |
|  | G 1/2        | 24     | 54,5 | 12    |      | AISI 316 L | 27SBIW21EVX |
| <br>Hose Barb     | 13 mm        | 24     | 74,5 | 25    |      | AISI 303   | 27SBTF13RVX |
|  | 13 mm        | 24     | 74,5 | 25    |      | AISI 316 L | 27SBTF13EVX |
|  |              |        |      |       |      |            |             |