## Nominal Diameter

**5** = 20 mm²

## Rectus Series

**21**



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.

Series 21 with additional end connections available on request.

**Dust Protections** **(P. 250)**
for Coupling Part.-No. SK16S

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

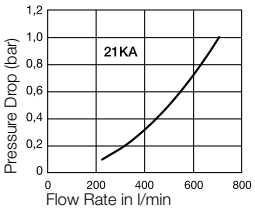
* For temperatures below -15°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.

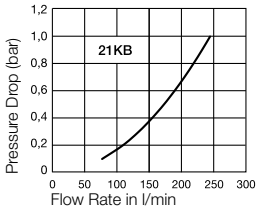
**Other designs in series 21**
The following other designs can be found from page:


➤ Brass / Steel P. 26
➤ Thermoplastic P. 176
➤ Safety P. 210
➤ Coded Systems P. 234

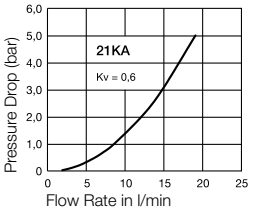

**Interchangeability (KA only)**
- Camozzi
- EWO
- Kani

| KA Single Shut-Off | KB Double Shut-Off | KL Dry-break |
|---|---|---|
| **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 |
| **Technical Description** | | |
| **Connecting Force 0 bar:** 35 N<br>**Connecting Force 6 bar:** 60 N<br><br>**Vacuum Coupling:** 96%<br>**Vacuum connected:** 96% | **Dead space volume:** 0,6 ml<br><br>**Connecting Force 0 bar:** 40 N<br>**Connecting Force 6 bar:** 80 N<br><br>**Vacuum Coupling:** 96%<br>**Vacuum Plug:** 96%<br>**Vacuum connected:** 96% | **Dead space volume:** 0,0006 ml<br><br>**Connecting Force 0 bar:** 35 N<br>**Connecting Force 6 bar:** 60 N<br><br>**Vacuum Coupling:** 96%<br>**Vacuum Plug:** 96%<br>**Vacuum connected:** 96% |
| **Flow diagrams** | | |
| **Air** | **Air** | |

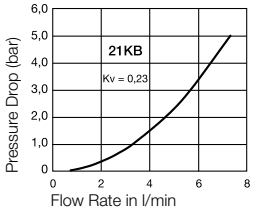


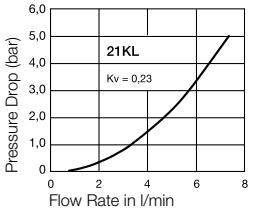

**Water**



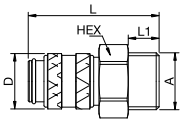
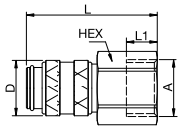
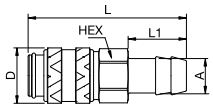
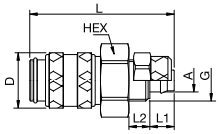

**Water**



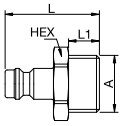
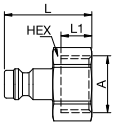

**Water**



## 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 |
|  Female Thread | 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 |
| | | | | | | | | | | | |
|  Hose Barb | 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 |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KATF09RVX |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KATF10EVX |
|  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 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

## Plugs – without valve — Series 21KA

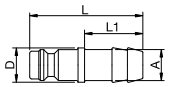
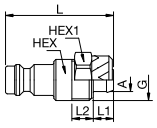
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 25 | 7 | | | | | AISI 303 | 21SFAW10RXX |
| | G 1/8 | 14 | | 25 | 7 | | | | | AISI 316 L | 21SFAW10EXX |
| | G 1/4 | 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 |
| | | | | | | | | | | | |
|  Female Thread | 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 |
| | | | | | | | | | | | |

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

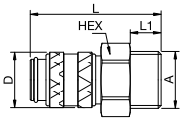
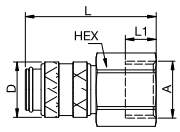
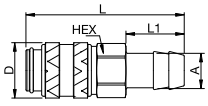
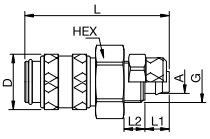


Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

## 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 | 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 |
| | 10 mm | | | 33 | 17 | | 12 | | | AISI 303 | 21SFTF10RXX |
| | 10 mm | | | 33 | 17 | | 12 | | | AISI 316 L | 21SFTF10EXX |
|  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 |

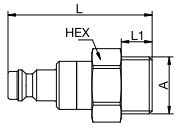
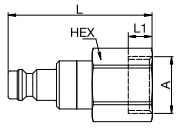
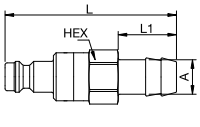
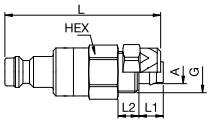
## Couplings – with valve — Series 21KB

| | 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 |
|  Hose Barb | 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 |
| | 9 mm | 14 | | 46 | 17 | | 16 | | | AISI 303 | 21KBTF09RVX |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KBTF10EVX |
|  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 |



Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

## Plugs – with valve — Series 21KB

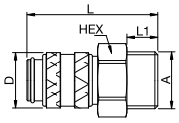
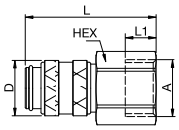
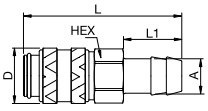
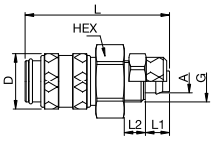
| | Connection A | HEX mm | HEX1 mm | L mm | L1 mm | L2 mm | D mm | B mm | G mm | Version | Part Number |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  Male Thread | G 1/8 | 14 | | 40 | 7 | | | | | AISI 303 | 21SBAW10RVX |
| | G 1/8 | 14 | | 40 | 7 | | | | | AISI 316 L | 21SBAW10EVX |
| | G 1/4 | 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 |
|  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 |
|  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 |
| | 9 mm | 14 | | 50 | 17 | | | | | AISI 303 | 21SBTF09RVX |
| | 10 mm | 14 | | 50 | 17 | | | | | AISI 316 L | 21SBTF10EVX |
|  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 |

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



Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

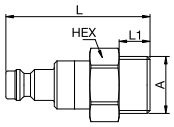
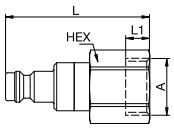
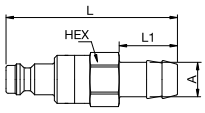
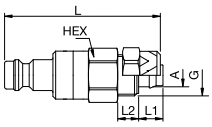
## Couplings – flat sealing — Series 21KL

| | 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 |
| | 10 mm | 14 | | 46 | 17 | | 16 | | | AISI 316 L | 21KLTF10EVX |
|  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 |



Tel: +45 63 12 83 00 | Email: ps@hymatik.com | www.hymatik.com | Hvidkaervej 27a, DK-5250 Odense SV, Denmark

## 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 |
| | 10 mm | 14 | | 50 | 17 | | | | | AISI 303 | 21SLTF10RVX |
| | 10 mm | 14 | | 50 | 17 | | | | | AISI 316 L | 21SLTF10EVX |
| | | | | | | | | | | | |
|  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 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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