Brass/Steel

Low Pressure

## Nominal Diameter

# 7,4 = 43 mm²

## Tema Series

# 1300

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 Ultra High Flow valve. Coupling body made of nitrocarburized steel.

Series 1300 with additional end connections available on request.

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

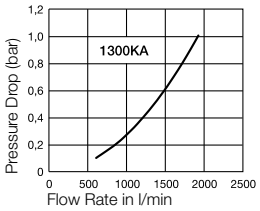
➤ Stainless Steel P. 146

| | 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 |

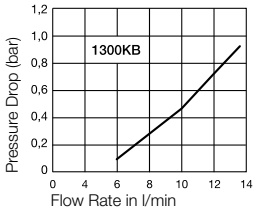
**Interchangeability (KA only)**
- Cejn 303

**Flow diagrams**

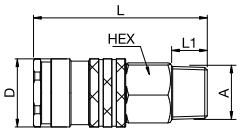
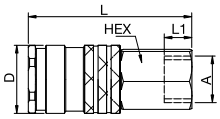
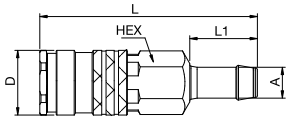
**Air**



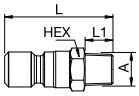
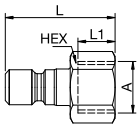
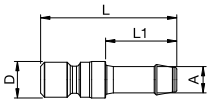
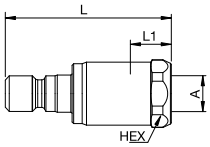

**Water**



## Couplings – with valve — Series 1300KA

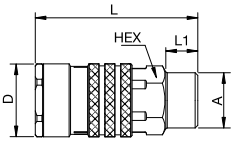
| | Connection A | HEX mm | L mm | L1 mm | D mm | Part Number |
|---|---|---|---|---|---|---|
|  Male Thread | R 1/4 | 19 | 58 | 12 | 22 | 1300KAAK13MPN |
| | R 3/8 | 19 | 56 | 12 | 22 | 1300KAAK17MPN |
| | R 1/2 | 23 | 59 | 14 | 26 | 1300KAAK21MPN |
|  Female Thread | G 1/4 | 19 | 55 | 9 | 22 | 1300KAIW13MPN |
| | 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

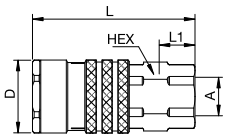
| | Connection A | HEX mm | L mm | L1 mm | D mm | Part Number |
|---|---|---|---|---|---|---|
|  Male Thread | R 1/8 | 13 | 35 | 9 | | 1300SFAK10SXZ |
| | R 1/4 | 17 | 38 | 12 | | 1300SFAK13SXZ |
| | G 1/4 | 17 | 35 | 12 | | 1300SFAW13SXZ |
| | R 3/8 | 17 | 38 | 12 | | 1300SFAK17SXZ |
| | R 1/2 | 22 | 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



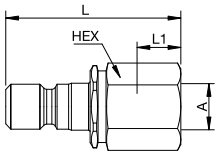
Male Thread



Female Thread

| Connection A | HEX mm | L mm | L1 mm | D mm | Part Number |
|---|---|---|---|---|---|
| G 3/8 | 18 | 49 | 7,5 | 22 | 1300KBAW17MPN |
| G 1/4 | 18 | 49 | 8 | 22 | 1300KBIW13MPN |
| G 3/8 | 18 | 50 | 8 | 22 | 1300KBIW17MPN |

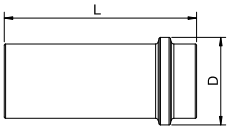
## Plugs – with valve — Series 1300KB



Female Thread

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

## Protective Sleeve — Series 1300KB



Female Thread

| Description | L mm | D 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** | 65 |
| | R 3/8 | 31KAAK17SPN | 1300 EA | **1300KAAK17MPN** | 65 |
| | R 1/2 | 31KAAK21SPN | 1300 ED | **1300KAAK21MPN** | 65 |
| Female Thread | G 1/4 | 31KAIW13SPN | 1300 E | **1300KAIW13MPN** | 65 |
| | G 3/8 | 31KAIW17SPN | 1300 EB | **1300KAIW17MPN** | 65 |
| Hose Barb | 6 mm | 31KATF06SPN | 1300 EK06 | **1300KATF06MPN** | 65 |
| | 8 mm | 31KATF08SPN | 1300 EK08 | **1300KATF08MPN** | 65 |
| | 10 mm | 31KATF10SPN | 1300 EK10 | **1300KATF10MPN** | 65 |
| | 13 mm | 31KATF13SPN | 1300 EK12 | **1300KATF13MPN** | 65 |
| **Plugs – without valve** | | | | | |
| Male Thread | R 1/8 | 31SFAK10SXZ | 13110-QC | **1300SFAK10SXZ** | 65 |
| | R 1/4 | 31SFAK13SXZ | 13210 A | **1300SFAK13SXZ** | 65 |
| | G 1/4 | 31SFAW13SXZ | 13210-QC | **1300SFAW13SXZ** | 65 |
| | R 3/8 | 31SFAK17SXZ | 13220 | **1300SFAK17SXZ** | 65 |
| | R 1/2 | 31SFAK21SXZ | 13230 | **1300SFAK21SXZ** | 65 |
| Female Thread | G 1/8 | 31SFIW10SXZ | 13405 | **1300SFIW10SXZ** | 65 |
| | G 1/4 | 31SFIW13SXZ | 13410 | **1300SFIW13SXZ** | 65 |
| | G 3/8 | 31SFIW17SXZ | 13420 | **1300SFIW17SXZ** | 65 |
| | G 1/2 | 31SFIW21SXZ | 13430-QC | **1300SFIW21SXZ** | 65 |
| Hose Barb | 6 mm | 31SFTF06SXZ | 13006 | **1300SFTF06SXZ** | 65 |
| | 8 mm | 31SFTF08SXZ | 13008-QC | **1300SFTF08SXZ** | 65 |
| | 10 mm | 31SFTF10SXZ | 13010-QC | **1300SFTF10SXZ** | 65 |
| | 12 mm | 31SFTF13SXZ | 13012-QC | **1300SFTF12SXZ** | 65 |
| Recoil Eliminator | G 1/4 | - | 13410 S | **1300SRIW13SXZ** | 65 |
| | | | | | |
| **Couplings – with valve** | | | | | |
| Male Thread | G 3/8 | - | 1300 NA | **1300KBAW17MPN** | 66 |
| Female Thread | G 1/4 | - | 1300 N | **1300KBIW13MPN** | 66 |
| | G 3/8 | - | 1300 NB | **1300KBIW17MPN** | 66 |
| **Plugs – with valve** | | | | | |
| Female Thread | G 1/4 | - | 13410 MN | **1300SBIW13MPC** | 66 |
| | | | | | |

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