

Nominal Diameter

7,4 = 43 mm²



Tema Series

1300



energy saver

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



Working Pressure**

35 bar

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

50 bar

Features

- Single-hand operation
- Two-hand operation
- Special sealing system in the coupling increases the service life of the coupling

Material

Coupling: Brass nickel plated and chrome plated
Plug: Steel zinc plated
Seals: NBR

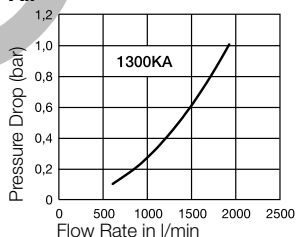
Coupling: Brass nickel plated and chrome plated
Plug: Brass nickel plated and chrome plated
Seals: NBR

Interchangeability (KA only)

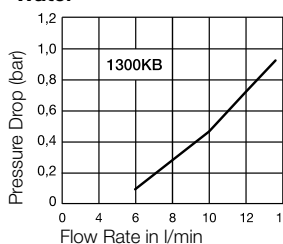
- Cejn 303

Flow diagrams

Air



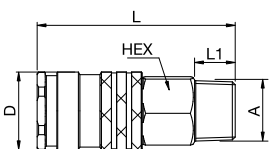
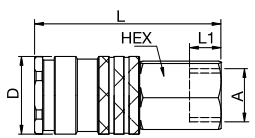
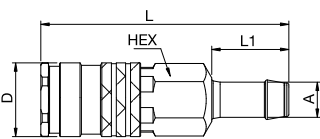
Water





Couplings – with valve

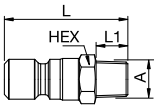
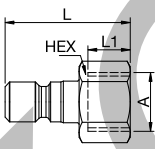
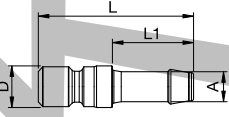
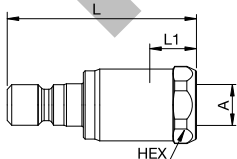
Series 1300KA

| | Connection A | HEX mm | L mm | L1 mm | D mm | Part Number |
|--|--------------|--------|------|-------|------|---------------|
|  <p>Male Thread</p> | R 1/4 | 19 | 58 | 12 | 22 | 1300KAAK13MPN |
| | R 3/8 | 19 | 56 | 12 | 22 | 1300KAAK17MPN |
| | R 1/2 | 23 | 59 | 14 | 26 | 1300KAAK21MPN |
|  <p>Female Thread</p> | G 1/4 | 19 | 55 | 9 | 22 | 1300KAIW13MPN |
| | G 3/8 | 20 | 55 | 10 | 22 | 1300KAIW17MPN |
|  <p>Hose Barb</p> | 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 |

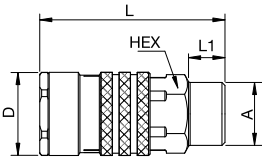
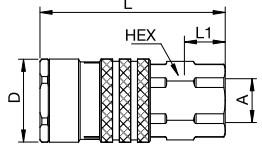


Plugs – without valve

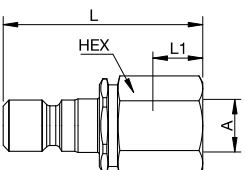
Series 1300KA

| | Connection A | HEX mm | L mm | L1 mm | D mm | Part Number |
|--|--------------|--------|------|-------|------|---------------|
|  <p>Male Thread</p> | 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 |
|  <p>Female Thread</p> | 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 |
|  <p>Hose Barb</p> | 6 mm | | 44 | 23 | 12 | 1300SFTF06SXZ |
| | 8 mm | | 44 | 23 | 12 | 1300SFTF08SXZ |
| | 10 mm | | 44 | 24 | 12 | 1300SFTF10SXZ |
| | 12 mm | | 47 | 23 | 12 | 1300SFTF12SXZ |
|  <p>Recoil Eliminator, with Female Thread</p> | G 1/4 | 20 | 53 | 12 | | 1300SRIW13SXZ |
| | | | | | | |
| | | | | | | |

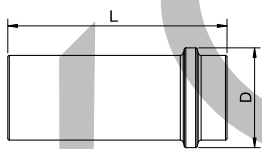
Couplings – with valve Series 1300KB

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





Plugs – with valve Series 1300KB

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

Protective Sleeve Series 1300KB

| | Description | L mm | D mm | Material | Color | Part Number |
|--|----------------------|------|------|----------|-------|-------------|
|  <p>Female Thread</p> | 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 |