

Nominal Diameter

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



Tema Series

1800



**Technical Description**

Series 1800 is used mainly for applications in the area of compressed air and liquids. The coupling system stands out for its robust, compact design, high flow and high corrosion resistance due to the Ultra HighFlow valve.

**Dust Protections**  (P. 319)  
for Coupling Part.-No. 5026-QC  
for Plug Part.-No. 2526-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 1800**  
The following other designs can be found from page:

- Stainless Steel P. 220



**Working Pressure\*\***

35 bar  
\*\* maximum static working pressure with safety factor 4 to 1.

50 bar

**Features**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• Single-hand operation</li> <li>• Particularly suited to medium-sized to large pneumatic systems and compressed air tools</li> </ul> | <ul style="list-style-type: none"> <li>• Two-hand operation</li> <li>• Special disc shape of the main seal in the coupling extends the durability</li> <li>• Particularly suited to applications in the area of liquids, which require a coupling that is simple and easy to handle</li> </ul> |
|--|--|

**Material**

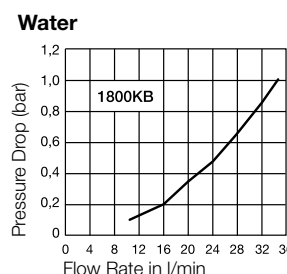
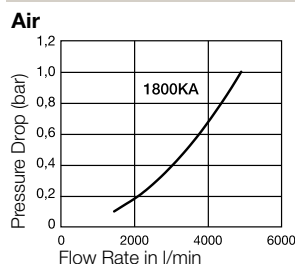
**Coupling:** Brass nickel plated and chrome plated  
**Plug:** Steel hardened, zinc plated  
**Seals:** NBR

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

**Interchangeability**

- Rectus 32
- Cejn 408

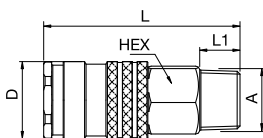
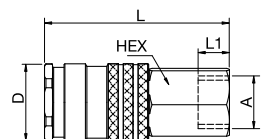
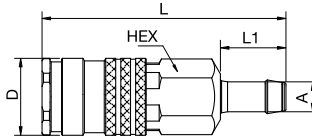
**Flow diagrams**





### Couplings – with valve

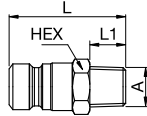
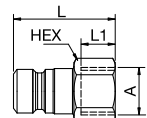
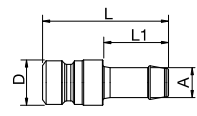
### Series 1800KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	R 3/8	23		69	11		27				1800KAAK17MPN
	R 1/2	23		69	13		27				1800KAAK21MPN
	R 3/4	27		73	15		27				1800KAAK26MPN
 Female Thread	G 3/8	23		65	10		27				1800KAIW17MPN
	G 1/2	25		65	10		27				1800KAIW21MPN
	G 3/4	30		67	11		27				1800KAIW26MPN
 Hose Barb	10 mm	23		82	23		27				1800KATF10MPN
	13 mm	23		82	24		27				1800KATF13MPN
	16 mm	23		82	24		27				1800KATF16MPN
	19 mm	23		82	24		27				1800KATF19MPN

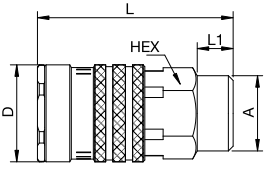
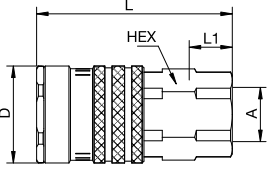


### Plugs – without valve

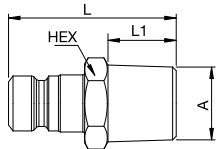
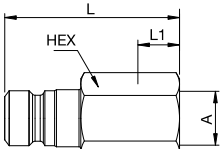
### Series 1800KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 Male Thread	R 1/8	17		36	10						1800SFAK10SXZ
	R 1/4	17		39	12						1800SFAK13SXZ
	G 1/4	17		35	9						1800SFAW13SXZ
	R 3/8	17		38	12						1800SFAK17SXZ
	G 3/8	22		36	10						1800SFAW17SXZ
	R 1/2	22		40	14						1800SFAK21SXZ
	R 3/4	27		43	16						1800SFAK26SXZ
 Female Thread	G 1/4	17		36	10						1800SFIW13SXZ
	G 3/8	22		36	10						1800SFIW17SXZ
	G 1/2	27		39	12						1800SFIW21SXZ
 Hose Barb	6 mm			44	23		16				1800SFTF06SXZ
	8 mm			44	23		16				1800SFTF08SXZ
	10 mm			44	23		16				1800SFTF10SXZ
	13 mm			45	24		16				1800SFTF12SXZ
	16 mm			47	24		18				1800SFTF16SXZ
	19 mm			47	24		23				1800SFTF19SXZ

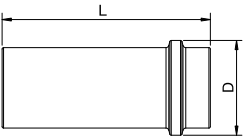
## Couplings – with valve Series 1800KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	R 1/2	22		54	10		27				1800KBAK21MPN
 <p>Female Thread</p>	G 3/8	22		54	9		27				1800KBIW17MPN
	G 1/2	25		55	9		27				1800KBIW21MPN
	G 3/4	30		57	11		27				1800KBIW26MPN

## Plugs – with valve Series 1800KB

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/2	22		47	19						1800SBAK21MPC
 <p>Female Thread</p>	G 3/8	22		49	10						1800SBIW17MPC
	G 3/4	30		54	12						1800SBIW26MPC

## Protective Sleeve Series 1800KB

	Description	L mm	D mm	Version	Color	Part Number
	for Couplings 1800KB	78	38	EBA	blue	1800-351