

Nominal Diameter

10 = 80 mm²



Tema Series

1800



Other designs in series 1800

The following other designs can be found from page:

- Stainless Steel P. 220

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.



Working Pressure**

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

50 bar

Features

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

Material

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

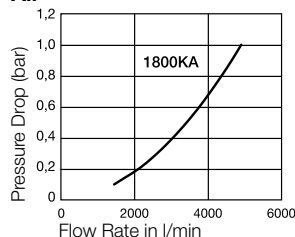
Coupling: Brass nickel plated and chrome plated
Plug: Brass nickel plated and chrome plated
Seals: NBR

Interchangeability

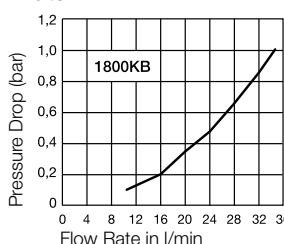
- Rectus 32
- Cejn 408

Flow diagrams

Air



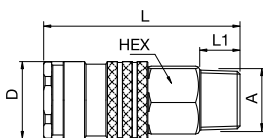
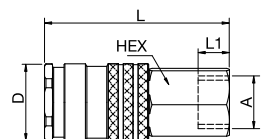
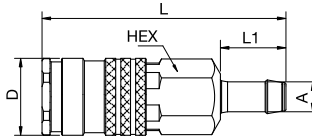
Water





Couplings – with valve

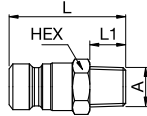
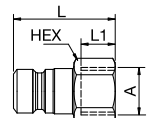
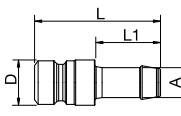
Series 1800KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	R 3/8	23		69	11		27				1800KAAK17MPN
	R 1/2	23		69	13		27				1800KAAK21MPN
	R 3/4	27		73	15		27				1800KAAK26MPN
 <p>Female Thread</p>	G 3/8	23		65	10		27				1800KAIW17MPN
	G 1/2	25		65	10		27				1800KAIW21MPN
	G 3/4	30		67	11		27				1800KAIW26MPN
 <p>Hose Barb</p>	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
 <p>Male Thread</p>	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
 <p>Female Thread</p>	G 1/4	17		36	10						1800SFIW13SXZ
	G 3/8	22		36	10						1800SFIW17SXZ
	G 1/2	27		39	12						1800SFIW21SXZ
 <p>Hose Barb</p>	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

Cross-Reference-List

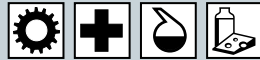
Connection	Thread	Rectus Part Number old	Tema Part Number old	Part Number new	Page
 Couplings – with valve					
Male Thread	R 3/8		1800 ED	1800KAAK17MPN	141
	R 1/2	32KAAK21MPN	1800 EA	1800KAAK21MPN	141
	R 3/4		1800 EF	1800KAAK26MPN	141
Female Thread	G 3/8	32KAIW17MPN	1800 E	1800KAIW17MPN	141
	G 1/2	32KAIW21MPN	1800 EB	1800KAIW21MPN	141
	G 3/4		1800 EC	1800KAIW26MPN	141
Hose Barb	10 mm	32KATF10MPN	1800 EK10	1800KATF10MPN	141
	13 mm	32KATF13MPN	1800 EK12	1800KATF13MPN	141
	16 mm	32KATF16MPN	1800 EK16	1800KATF16MPN	141
	19 mm	32KATF19MPN	1800 EK19	1800KATF19MPN	141
 Plugs – without valve					
Male Thread	R 1/8		18105	1800SFAK10SXZ	141
	R 1/4	32SFAK13SXZ	18110 A	1800SFAK13SXZ	141
	G 1/4		18110	1800SFAW13SXZ	141
	R 3/8	32SFAK17SXZ	18210 A	1800SFAK17SXZ	141
	G 3/8		18210	1800SFAW17SXZ	141
	R 1/2	32SFAK21SXZ	18220	1800SFAK21SXZ	141
	G 1/2		18230	1800SFAK26SXZ	141
Female Thread	G 1/4	32SFIW13SXZ	18405	1800SFIW13SXZ	141
	G 3/8	32SFIW17SXZ	18410	1800SFIW17SXZ	141
	G 1/2	32SFIW21SXZ	18420	1800SFIW21SXZ	141
Hose Barb	6 mm	32SFTF06SXZ	18006	1800SFTF06SXZ	141
	8 mm	32SFTF08SXZ	18008	1800SFTF08SXZ	141
	10 mm	32SFTF10SXZ	18010	1800SFTF10SXZ	141
	12 mm		18012	1800SFTF12SXZ	141
	16 mm	32SFTF16SXZ	18016	1800SFTF16SXZ	141
	19 mm	32SFTF19SXZ	18019	1800SFTF19SXZ	141

Cross-Reference-List

Connection	Thread	Rectus Part Number old	Tema Part Number old	Part Number new	Page
 Couplings – with valve					
Male Thread	R 1/2		1800 NA	1800KBAK21MPN	142
Female Thread	G 3/8		1800 N	1800KBIW17MPN	142
	G 1/2		1800 NB	1800KBIW21MPN	142
	G 3/4		1800 NC	1800KBIW26MPN	142
 Plugs – with valve					
Male Thread	G 1/2		18420 MN	1800SBAK21MPC	142
Female Thread	G 3/8		18410 MN	1800SBIW17MPC	142
	G 3/4		18430 MN	1800SBIW26MPC	142

Nominal Diameter

9,5 = 71 mm²



Rectus Series

1800

Low Pressure



Other designs in series 1800

The following other designs can be found from page:

► Brass / Steel

P. 140

Technical Description

The 1800 series in stainless steel is used mainly for applications in the area of liquids with aggressive media. The coupling system stands out for its robust, compact design and high corrosion resistance.

Dust Protections  (P. 319)
for Coupling Part.-No. 5026-QC
for Plug Part.-No. 2526-QC

Working Temperature*
-25°C up to +200°C (FKM)
depending on the medium.

* For temperatures below -25°C and over +200°C and depending on the medium, other seal variants (EPDM, FFKM) are available.



Working Pressure**

35 bar

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

50 bar

Features

• Single-hand operation

• Two-hand operation

Material

Coupling: AISI 316
Plug: AISI 316
Seals: FKM

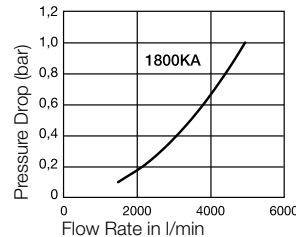
Coupling: AISI 316
Plug: AISI 316
Seals: FKM

Interchangeability

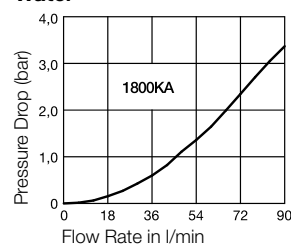
• Tema Design

Flow diagrams

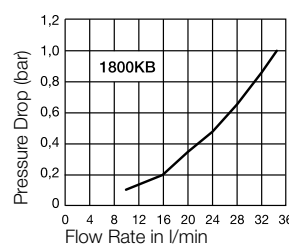
Air



Water



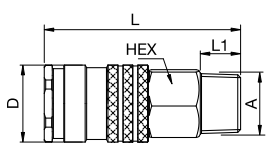
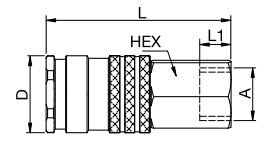
Water





Couplings – with valve

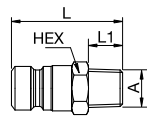
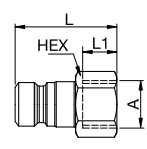
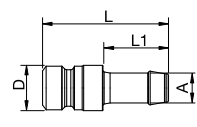
Series 1800KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 1/2	22		54	13		27				1800KAAW21EVX
 <p>Female Thread</p>	G 3/8	22		54	10		27				1800KAIW17EVX
	G 1/2	24		55	10		27				1800KAIW21EVX

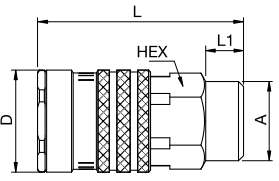
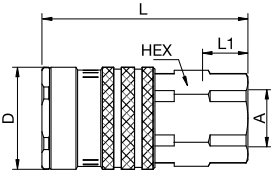


Plugs – without valve

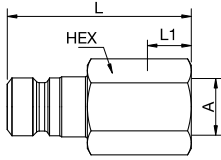
Series 1800KA

	Connection A	HEX mm	HEX1 mm	L mm	L1 mm	L2 mm	D mm	B mm	G mm	Version	Part Number
 <p>Male Thread</p>	G 3/8	19		36	10						1800SFAW17EXX
 <p>Female Thread</p>	G 3/8	22		36	10						1800SFIW17EXX
 <p>Hose Barb</p>	6 mm			44	23		16				1800SFTF06EXX





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>	G 1/2	22		54	10		27				1800KBAW21EVX
 <p>Female Thread</p>	G 3/8	22		54	9		27				1800KBIW17EVX
	G 1/2	24		55	9		27				1800KBIW21EVX

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>Female Thread</p>	G 3/8	22		49	10						1800SBIW17EVX
	G 1/2	25		50	9						1800SBIW21EVX

Cross-Reference-List

Connection	Thread	Rectus Part Number old	Tema Part Number old	Part Number new	Page
 Couplings – with valve					
Male Thread	G 1/2		1800 ARV	1800KAAW21EVX	221
Female Thread	G 3/8		1800 RV	1800KAIW17EVX	221
	G 1/2		1800 BRV	1800KAIW21EVX	221
 Plugs – without valve					
Male Thread	G 3/8		18210 R	1800SFAW17EXX	221
Female Thread	G 3/8		18410 R	1800SFIW17EXX	221
Hose Barb	6 mm		18006 RF	1800SFTF06EXX	221
 Couplings – with valve					
Male Thread	G 1/2		1800 NARV	1800KBAW21EVX	222
Female Thread	G 3/8		1800 NRV	1800KBIW17EVX	222
	G 1/2		1800 NBRV	1800KBIW21EVX	222
 Plugs – with valve					
Female Thread	G 3/8		18410 RV	1800SBIW17EVX	222
	G 1/2		18422 RV	1800SBIW21EVX	222