

Nominal Diameter

10 = 80 mm²

Tema Series

1800energy
saver

Other designs in series 1800

The following other designs can be found from page:

► Stainless Steel

P. 160

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 and high corrosion resistance. Ultra High Flow valve for optimum flow and low pressure drop.

Series 1800 with additional end connections available on request.

Dust Protections  (P. 250)
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 design factor 4 to 1.

50 bar

Features

- Single-hand operation
- Particularly suited to medium-sized to large pneumatic systems and compressed air tools

- 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

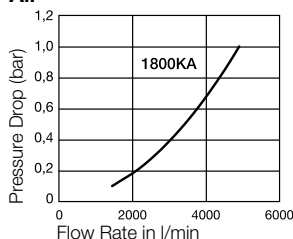
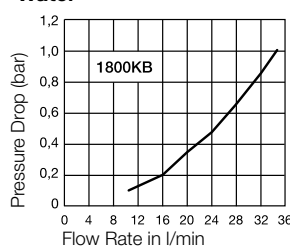
Coupling: Brass nickel plated and chrome plated

Plug: Brass nickel plated and chrome plated

Seals: NBR

Interchangeability (KA only)

- Cejn 408

Flow diagrams**Air****Water**

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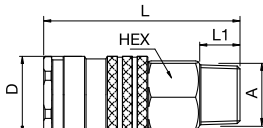
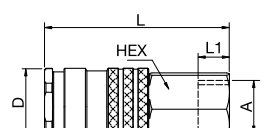
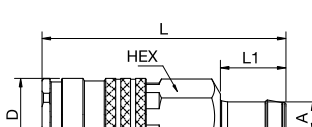
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Couplings – with valve

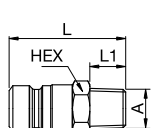
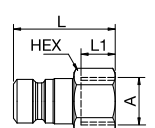
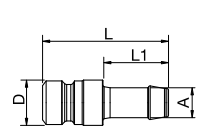
Series 1800KA

	Connection A	HEX mm	L mm	L1 mm	D mm	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	L mm	L1 mm	D mm	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	L mm	L1 mm	D mm	Part Number
 Male Thread	G 1/2	22	54	10	27	1800KBAW21MPN
 Female Thread	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	L mm	L1 mm	D mm	Part Number
 Male Thread	1/2 - 14NPTF	22	47	19		1800SBAN21MPC
 Female Thread	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	95
	R 1/2	32KAAK21MPN	1800 EA	1800KAAK21MPN	95
	R 3/4		1800 EF	1800KAAK26MPN	95
Female Thread	G 3/8	32KAIW17MPN	1800 E	1800KAIW17MPN	95
	G 1/2	32KAIW21MPN	1800 EB	1800KAIW21MPN	95
	G 3/4		1800 EC	1800KAIW26MPN	95
Hose Barb	10 mm	32KATF10MPN	1800 EK10	1800KATF10MPN	95
	13 mm	32KATF13MPN	1800 EK12	1800KATF13MPN	95
	16 mm	32KATF16MPN	1800 EK16	1800KATF16MPN	95
	19 mm	32KATF19MPN	1800 EK19	1800KATF19MPN	95
 Plugs – without valve					
Male Thread	R 1/8		18105	1800SFAK10SXZ	95
	R 1/4	32SFAK13SXZ	18110 A	1800SFAK13SXZ	95
	G 1/4		18110	1800SFAW13SXZ	95
	R 3/8	32SFAK17SXZ	18210 A	1800SFAK17SXZ	95
	G 3/8		18210	1800SFAW17SXZ	95
	R 1/2	32SFAK21SXZ	18220	1800SFAK21SXZ	95
	R 3/4		18230	1800SFAK26SXZ	95
Female Thread	G 1/4	32SFIW13SXZ	18405	1800SFIW13SXZ	95
	G 3/8	32SFIW17SXZ	18410	1800SFIW17SXZ	95
	G 1/2	32SFIW21SXZ	18420	1800SFIW21SXZ	95
Hose Barb	6 mm	32SFTF06SXZ	18006	1800SFTF06SXZ	95
	8 mm	32SFTF08SXZ	18008	1800SFTF08SXZ	95
	10 mm	32SFTF10SXZ	18010	1800SFTF10SXZ	95
	12 mm		18012	1800SFTF12SXZ	95
	16 mm	32SFTF16SXZ	18016	1800SFTF16SXZ	95
	19 mm	32SFTF19SXZ	18019	1800SFTF19SXZ	95

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 NA	1800KBAW21MPN	96
Female Thread	G 3/8		1800 N	1800KBIW17MPN	96
	G 1/2		1800 NB	1800KBIW21MPN	96
	G 3/4		1800 NC	1800KBIW26MPN	96
 Plugs – with valve					
Male Thread	1/2 - 14NPTF		18420 MN	1800SBAN21MPC	96
Female Thread	G 3/8		18410 MN	1800SBIW17MPC	96
	G 3/4		18430 MN	1800SBIW26MPC	96

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