

rtc[®]

QUICK CONNECT TECHNOLOGY



One hand Connection
Push-pull Disconnection

Eine Hand Kuppeln
Push-Pull Lösen

102

rtc TYPE





Temperature Range

-20°C +100°C (-5°F +210°F) Nitril (N)
-10°C +180°C (+15°F +356°F) FPM (V)

Max. Working Pressure

rtc 102.06 50 bar (725 PSI)
rtc 102.07 50 bar (725 PSI)
rtc 102.09 50 bar (725 PSI)
rtc 102.12 50 bar (725 PSI)
rtc 102.16 50 bar (725 PSI)

Flow size

rtc 102.06 6 mm
rtc 102.07 7 mm
rtc 102.09 9 mm
rtc 102.12 12 mm
rtc 102.16 16 mm

Using Area

- On temperature regulation applications with hot or cold water, oil etc.
- Injection moulding industries.
- On steam line.

Material

Coupler Body- Kupplungsgrundkörper Brass
Sleeve Stainless Steel
Valve Brass
Springs Stainless Steel
Locking Ring Stainless Steel
Balls 18/8 Stainless Steel
Seals FKM (V)
Plug Stainless Steel
Back part Nippel Brass

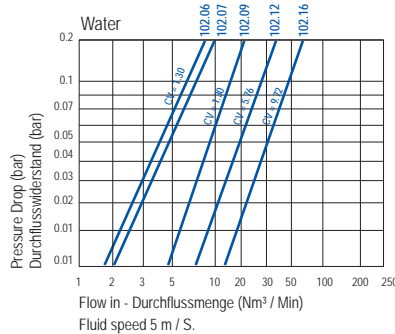
Standard version

FPM (V)

Options

- S** Stainless Steel
- E** EPDM Seal
- W** FFKM Seal
- RED** Colour coding
- BLUE**
- PP** Push-Pull disconnect by using one hand

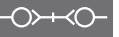
Flow Rate vs Pressure Drop Graph



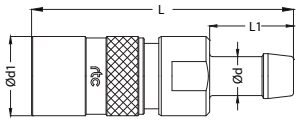
rtc STANDARD TYPE	102.06	102.07	102.09	102.12	102.16
Double Shut-off					
Nominal Ø (mm.)	6	7	9	12	16
Max. Working Preß. (Bar)	50	50	50	50	50
Operating Temperature (°C)	-10°C, +200°C	-10°C, +200°C	-10°C, +200°C	-10°C, +200°C	-10°C, +200°C

rtc TYPE 102

Standard hose tail socket / Kupplung mit gerader Standard - Schlauchtülle



Socket / Kupplung



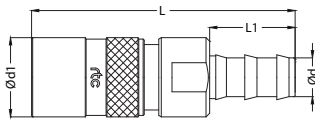
Size Größe	Order No	D	D1	L	L1	HEX.
06	102.06 SHB 10	Ø10	22	78.5	28	20
07	102.07 SHB 10	Ø10	22	78.5	28	20
09	102.09 SHB 13	Ø13	28	115	28	24

rtc TYPE 102

Push to connect hose tail socket / Kupplung mit gerader Schnellsteck - Schlauchtülle



Socket / Kupplung



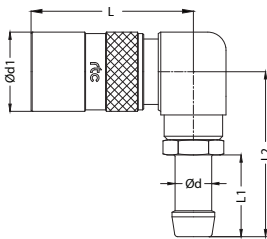
Size Größe	Order No	D	D1	L	L1	HEX.
06	102.06 SPB 10	Ø10	22	74.5	24	20
07	102.07 SPB 10	Ø10	22	74.5	24	20
09	102.09 SPB 13	Ø13	28	115	28	24

rtc TYPE 102

Standard hose tail socket 90° / Kupplung mit 90° Standard - Schlauchtülle



Socket / Kupplung



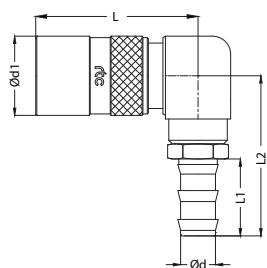
Size Größe	Order No	D	D1	L	L1	L2	HEX.
06	102.06 SHB 10 90	Ø10	22	55.5	28	58.5	20
07	102.07 SHB 10 90	Ø10	22	55.5	28	58.5	20
09	102.09 SHB 13 90	Ø13	28	57	28	66.5	24

rtc TYPE 102

Push to connect hose tail socket 90° / Kupplung mit 90° Schnellsteck - Schlauchtülle



Socket / Kupplung



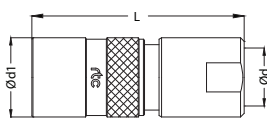
Size Größe	Order No	D	D1	L	L1	L2	HEX.
06	102.06 SPB 10 90	Ø10	22	55.5	24	54.5	20
07	102.07 SPB 10 90	Ø10	22	55.5	24	54.5	20
09	102.09 SPB 13 90	Ø13	28	57	28	66.5	24

rtc TYPE 102

Cylindrical female thread socket / Kupplung mit Innengewinde zylindrisch



Socket / Kupplung



Size Größe	Order No	D	D1	L	HEX.
06	102.06 SFB 13	BSP 1/4	22	61	20
07	102.07 SFB 13	BSP 1/4	22	61	20
09	102.09 SFB 17	BSP 3/8	28	75.5	24
12	102.12 SFB 21	BSP 1/2	44	103	27
16	102.16 SFB 26	BSP 3/4	53	129	36
06	102.06 SNB 13	NPT 1/4	22	61	20
07	102.07 SNB 13	NPT 1/4	22	61	20
09	102.09 SNB 17	NPT 3/8	28	74	24
12	102.12 SNB 21	NPT 1/2	44	103	27
16	102.16 SNB 26	NPT 3/4	53	129	36

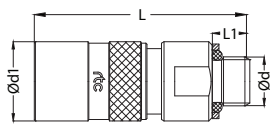


Cylindrical male thread socket / Kupplung mit Aussengewinde zylindrisch

TYPE 102



Socket / Kupplung



Con. 60° / 60° Innenkonus

Size Größe	Order No	D	D1	L	L1	HEX.
06	102.06 SOB 13	BSP 1/4	22	59	11	20
06	102.06 SOB 17	BSP 3/8	22	60	12	20
07	102.07 SOB 13	BSP 1/4	22	59	11	20
09	102.09 SOB 17	BSP 3/8	28	80	12	24
09	102.09 SOB 21	BSP 1/2	28	84	14	24

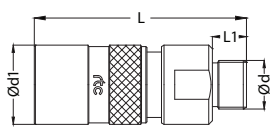


Cylindrical male thread socket / Kupplung mit Aussengewinde zylindrisch

TYPE 102



Socket / Kupplung



Con. 24° / 24° Innenkonus

Size Größe	Order No	D	D1	L	L1	HEX.
06	102.06 SMB 1615-10	M16x1.5	22	59	11	20
07	102.07 SMB 1615-10	M16x1.5	22	59	11	20
09	102.09 SMB 1815-12	M18x1.5	28	80	11	24

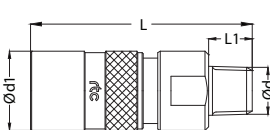


NPT male thread socket / Kupplung mit Aussengewinde NPT

TYPE 102



Socket / Kupplung



Size Größe	Order No	D	D1	L	L1	HEX.
06	102.06 STB 13	NPT 1/4	22	60	12	20
07	102.07 STB 13	NPT 1/4	22	60	12	20
09	102.09 STB 17	NPT 3/8	28	83	14	24

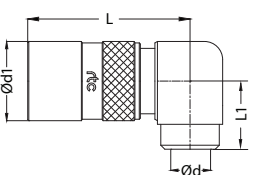


Cylindrical female thread socket 90° / Kupplung mit 90° Innengewinde zylindrisch

TYPE 102



Socket / Kupplung



Size Größe	Order No	D	D1	L	L1	HEX.
06	102.06 SFB 13 90	BSP 1/4	22	56.5	24	20
07	102.07 SFB 13 90	BSP 1/4	22	56.5	24	20
09	102.09 SFB 17 90	BSP 3/8	28	88.5	26	24

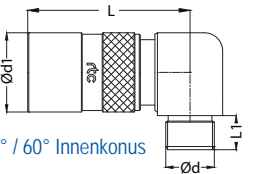


Cylindrical male thread socket 90° / Kupplung mit 90° Aussengewinde zylindrisch

TYPE 102



Socket / Kupplung



Con. 60° / 60° Innenkonus

Size Größe	Order No	D	D1	L	L1	HEX.
06	102.06 SOB 13 90	BSP 1/4	22	56.5	11	20
07	102.07 SOB 13 90	BSP 1/4	22	56.5	11	20
09	102.09 SOB 17 90	BSP 3/8	28	88	12	24

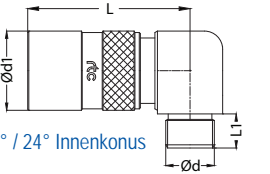


Cylindrical male thread socket 90° / Kupplung mit 90° Aussengewinde zylindrisch

TYPE 102



Socket / Kupplung



Con. 24° / 24° Innenkonus

Size Größe	Order No	D	D1	L	L1	HEX.
06	102.06 SMB 1615-10 90	M16x1.5	22	56.5	11	20
07	102.07 SMB 1615-10 90	M16x1.5	22	56.5	11	20
09	102.09 SMB 1815-12 90	M18x1.5	28	88	11	24

rtc TYPE 102

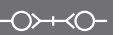
Female thread plug / Nippel mit Innengewinde



Plugs / Nippel	Size Größe	Order No	D	L	HEX.
	06	102.06 PFB 13	BSP 1/4	55	17
	07	102.07 PFB 13	BSP 1/4	55	17
	09	102.09 PFB 17	BSP 3/8	71	23
	09	102.09 PNB 17	NPT 3/8	71	23
	12	102.12 PFB 21	BSP 1/2	90	30
	12	102.12 PNB 21	NPT 1/2	90	30
	16	102.16 PFB 26	BSP 3/4	105	38
	16	102.16 PNB 26	NPT 3/4	105	38

rtc TYPE 102

Cylindrical male thread plug / Nippel mit Aussengewinde zylindrisch



Plugs / Nippel	Size Größe	Order No	D	L	L1	HEX.
	06	102.06 POB 13	BSP 1/4	54	10	17
	06	102.06 POB 17	BSP 3/8	54.5	10	21
	07	102.07 POB 13	BSP 1/4	54	10	17
	07	102.07 POB 17	BSP 3/8	54.5	10	21
	09	102.09 POB 17	BSP 3/8	67	13	23
	12	102.12 POB 21	BSP 1/2	85	14	30
	16	102.16 POB 26	BSP 3/4	101	19	38

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Cylindrical male thread plug extension / Verlängerungsnippel mit Aussengewinde zylindrisch



Plugs / Nippel	Size Größe	Order No	D	L	L1	HEX.
	06	102.06 POB 13x80	BSP 1/4	82	10	17
	06	102.06 POB 13x110	BSP 1/4	110	10	17
	07	102.07 POB 13x80	BSP 1/4	82	10	17
	07	102.07 POB 13x110	BSP 1/4	110	10	17



Conical male thread plug / Nippel mit Aussengewinde konisch

TYPE 102 **rtc**

Plugs / Nippel	Size Größe	Order No	D	L	L1	HEX.
	06	102.06 PRB 13	BSPT 1/4	54	11	17
	07	102.07 PRB 13	BSPT 1/4	54	11	17
	09	102.09 PRB 17	BSPT 3/8	56	12	23
	12	102.12 PRB 21	BSPT 1/2	74	14	30



NPT male thread plug / Nippel mit Aussengewinde NPT

TYPE 102 **rtc**

Plugs / Nippel	Size Größe	Order No	D	L	L1	HEX.
	06	102.06 PTB 13	NPT 1/4	40	11	17
	07	102.07 PTB 13	NPT 1/4	40	11	17
	09	102.09 PTB 17	NPT 3/8	67	11	23
	12	102.12 PTB 21	NPT 1/2	89	14	30



Cylindrical male thread plug 90° / Nippel mit 90° Aussengewinde zylindrisch

TYPE 102 **rtc**

Plugs / Nippel	Size Größe	Order No	D	L	HEX.
	06	102.06 POB 13-90	BSP 1/4	45	17
	07	102.07 POB 13-90	BSP 1/4	45	17