



# rtc<sup>®</sup>

COUPLING TECHNOLOGY  
[www.rtc-couplings.com](http://www rtc-couplings.com)



One hand Connection  
Push-pull Disconnection

Eine Hand Kuppeln  
Push-Pull Lösen

## 102

rtc TYPE



Temperature Range - Temperaturbereich

Nitrile (N) -20°C + 100°C (-4°F + 212°F)  
FPM (V) -20°C + 180°C (-4°F + 356°F)

Max. Working Pressure - Max. Betriebsdruck

rtc 102.03 50 bar (725 PSI)  
rtc 102.06 50 bar (725 PSI)  
rtc 102.07 50 bar (725 PSI)  
rtc 102.08 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)  
rtc 102.25 50 bar (725 PSI)

Flow size - Nennweiten

rtc 102.03 3 mm  
rtc 102.06 6 mm  
rtc 102.07 7 mm  
rtc 102.08 8 mm  
rtc 102.09 9 mm  
rtc 102.12 12 mm  
rtc 102.16 16 mm  
rtc 102.25 25 mm

Material

Socket Body - Kupplungsgrundkörper Brass - Messing  
Sleeve - Hülse Stainless Steel - Edelstahl  
Valve - Ventil Brass - Messing  
Springs - Federn Stainless Steel - Edelstahl  
Locking Ring - Sprengring Stainless Steel - Edelstahl  
Balls - Kugeln Stainless Steel - Edelstahl  
Seals - Dichtungen FPM (V)  
  
Plug - Nippel Stainless Steel - Edelstahl  
Back part Nippel - Nippel Hinterteil Brass - Messing

Standard version - Standardversion

FPM (V)

Options - Optionen

SS Stainless Steel - Edelstahl  
E EPDM Seal - EPDM Dichtung  
W FFKM Seal - FFKM Dichtung

Colour coding - Farbkodierung

R Red - Rot  
B Blue - Blau

PP Push-Pull disconnect by using one hand  
Eine Hand Kuppeln Push-Pull Lösen

Using Area

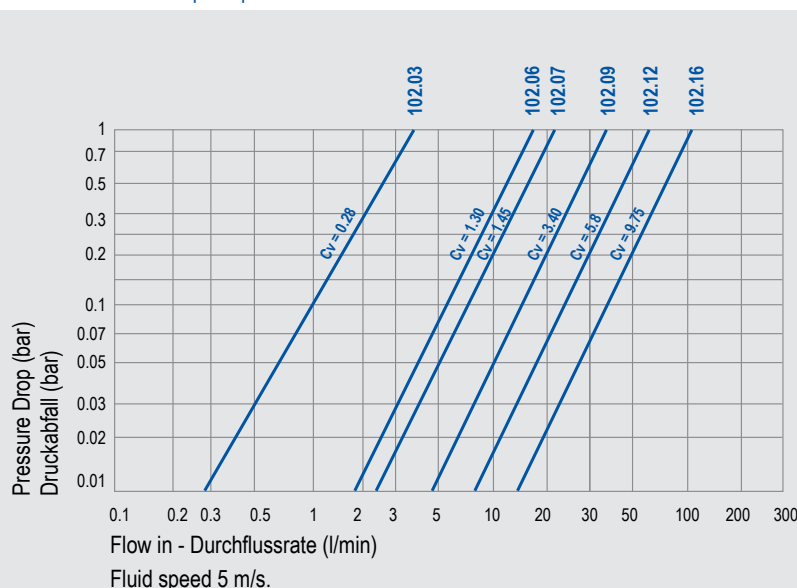
- On temperature regulation applications with hot or cold water, oil etc.
- Blow moulding industry
- Injection moulding industries.
- On steam line.

Anwendungsbereiche

- Zuleitung für die Temperierung / Druckluft
- Blasformmaschinen Industrie
- Kühlung mit Öl oder Wasser
- Kunststoffindustrie



Flow Rate vs Pressure Drop Graph / Durchflussrate vs Druckabfall



102  
rtc TYPE

**rtc** TYPE 102

Female thread socket / Kupplung mit Innengewinde



Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	HEX.
	03	102.03 SFB 10	BSP 1/8	17	49	13
		102.03 SNB 10	NPT 1/8	17	49	13
	06	102.06 SFB 13	BSP 1/4	22	61	20
		102.06 SQB 13	BSPT 1/4	22	61	20
		102.06 SNB 13	NPT 1/4	22	61	20
		102.06 SFB 17	BSP 3/8	22	65	21
	07	102.07 SFB 13	BSP 1/4	22	61	20
		102.07 SQB 13	BSPT 1/4	22	61	20
		102.07 SNB 13	NPT 1/4	22	61	20
		102.07 SFB 17	BSP 3/8	22	65	21
	09	102.09 SFB 17	BSP 3/8	30	76	24
		102.09 SNB 17	NPT 3/8	30	76	24
		102.09 SFB 21	BSP 1/2	30	78	25
		102.09 SNB 21	NPT 1/2	30	78	25
	12	102.12 SFB 21	BSP 1/2	44	103	27
		102.12 SNB 21	NPT 1/2	44	103	27
16	102.16 SFB 26	BSP 3/4	55	130	36	
	102.16 SNB 26	NPT 3/4	55	130	36	
25	102.25 SFB 33	BSP 1	67	148	55	
	102.25 SNB 33	NPT 1	67	148	55	
	102.25 SFB 42	BSP 1-1/4	67	141	55	
	102.25 SNB 42	NPT 1-1/4	67	141	55	

**rtc** TYPE 102

Cylindrical male thread socket with O-Ring / Kupplung mit Aussengewinde zylindrisch mit O-Ring



Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
<p>Con. 60° / 60° Innenkonus</p>	03	102.03 SOB 10	BSP 1/8	17	47	8	14
		06	102.06 SOB 13	BSP 1/4	22	59	11
	102.06 SOB 17		BSP 3/8	22	60	12	20
	07	102.07 SOB 13	BSP 1/4	22	59	11	20
		102.07 SOB 17	BSP 3/8	22	60	12	20
	09	102.09 SOB 17	BSP 3/8	28	80	12	24
		102.09 SOB 21	BSP 1/2	28	84	14	24
	16	102.16 SOB 26	BSP 3/4	55	132	18	38
		25	102.25 SOB 33	BSP 1	67	150	18
	102.25 SOB 42		BSP 1-1/4	67	154	22	55

**rtc** TYPE 102

24° Innerconical male thread socket / Kupplung mit Aussengewinde 24° Innerkonus



Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
<p>Con. 24° / 24° Innenkonus</p>	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
	03	102.03 STB 10	NPT 1/8	17	48	9	14
	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



Female thread socket 90° / Kupplung mit 90° Innengewinde

TYPE 102 **rtc**

Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	06	102.06 SFB 13-90	BSP 1/4	22	58	25	21
	06	102.06 SNB 13-90	NPT 1/4	22	58	25	21
	07	102.07 SFB 13-90	BSP 1/4	22	58	25	21
	07	102.07 SNB 13-90	NPT 1/4	22	58	25	21
	09	102.09 SFB 17-90	BSP 3/8	28	77	20	25



Male thread socket 90° / Kupplung mit 90° Aussengewinde

TYPE 102 **rtc**

Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
<p>Con. 60° / 60° Innenkonus</p>	06	102.06 SOB 13-90	BSP 1/4	22	58	11	21
	07	102.07 SOB 13-90	BSP 1/4	22	58	11	21
	09	102.09 SOB 17-90	BSP 3/8	28	77	12	25



24° Innerconical male thread socket 90° / Kupplung mit 90° Aussengewinde 24° Innenkonus

TYPE 102 **rtc**

Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
<p>Con. 24° / 24° Innenkonus</p>	06	102.06 SMB 1615-10-90	M16x1.5	22	58	11	21
	07	102.07 SMB 1615-10-90	M16x1.5	22	58	11	21
	09	102.09 SMB 1815-12-90	M18x1.5	28	77	11	25



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

TYPE 102 **rtc**

Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	L	L1	L2	HEX.
	06	102.06 SOB 13x24-90	BSP 1/4	58	36	24	21
	07	102.07 SOB 13x24-90	BSP 1/4	58	36	24	21
	09	102.09 SOB 17x24-90	BSP 3/8	77	42	24	25



Standard hose tail socket / Kupplung mit gerader Standard - Schlauchtülle

TYPE 102 **rtc**

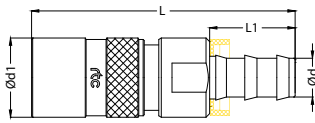
Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	06	102.06 SHB 10	10 mm	22	75	26	20
	06	102.06 SHB 12	12 mm	22	75	26	20
	07	102.07 SHB 10	10 mm	22	75	26	20
	07	102.07 SHB 12	12 mm	22	75	26	20
	09	102.09 SHB 12	12 mm	28	115	26	24

**rtc** TYPE 102

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



Socket / Kupplung



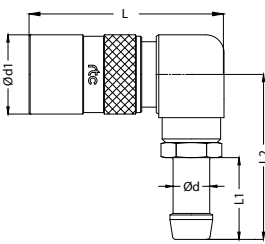
Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
06	102.06 SPB 10	10 mm	22	72	24	20
07	102.07 SPB 10	10 mm	22	72	24	20
09	102.09 SPB 13	13 mm	28	95.5	28	24

**rtc** TYPE 102

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



Socket / Kupplung



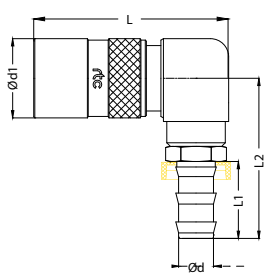
Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	L2	HEX.
06	102.06 SHB 10-90	10 mm	22	57	28	38	21
07	102.07 SHB 10-90	10 mm	22	57	28	38	21
09	102.09 SHB 13-90	13 mm	28	95	28	42	25

**rtc** TYPE 102

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



Socket / Kupplung



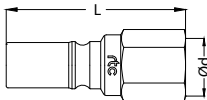
Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	L2	HEX.
06	102.06 SPB 10-90	10 mm	22	57	24	38	21
07	102.07 SPB 10-90	10 mm	22	57	24	38	21
09	102.09 SPB 13-90	13 mm	28	95	28	42	25

**rtc** TYPE 102

Female thread plug / Nippel mit Innengewinde



Plug / Nippel



Size Größe	Order No / Bestellnr.	Ød	L	HEX.
03	102.03 PFB 10	BSP 1/8	41	13
	102.03 PNB 10	NPT 1/8	41	13
06	102.06 PFB 13	BSP 1/4	54	17
	102.06 PFB 17	BSP 3/8	54	19
07	102.07 PFB 13	BSP 1/4	54	17
	102.07 PFB 17	BSP 3/8	54	19
09	102.09 PFB 17	BSP 3/8	67	24
	102.09 PNB 17	NPT 3/8	67	24
12	102.12 PFB 21	BSP 1/2	90	30
	102.12 PNB 21	NPT 1/2	90	30
16	102.16 PFB 26	BSP 3/4	102	38
	102.16 PNB 26	NPT 3/4	102	38
25	102.25 PFB 33	BSP 1	123	55
	102.25 PNB 33	NPT 1	123	55
	102.25 PFB 42	BSP 1-1/4	126	55
	102.25 PNB 42	NPT 1-1/4	123	55

rtc TYPE 102

Cylindrical male thread plug / Nippel mit Aussengewinde zylindrisch



Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	L	L1	HEX.
	03	102.03 POB 10	BSP 1/8	40	8	13
	06	102.06 POB 13	BSP 1/4	54	10	17
		102.06 POB 17	BSP 3/8	54	10	19
	07	102.07 POB 13	BSP 1/4	54	10	17
		102.07 POB 17	BSP 3/8	54	10	21
	09	102.09 POB 17	BSP 3/8	67	13	24
	12	102.12 POB 17	BSP 1/2	88	15	30
	16	102.16 POB 17	BSP 3/4	103	18	38
25	102.25 POB 17	BSP 1-1/4	128	21	55	

rtc TYPE 102

Conical male thread plug / Nippel mit Aussengewinde konisch



Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	L	L1	HEX.
	06	102.06 PRB 13	BSPT 1/4	56	12	17
		102.06 PTB 13	NPT 1/4	57	13	17
		102.06 PRB 17	NPT 3/8	57	13	19
	07	102.07 PRB 13	BSPT 1/4	56	12	17
		102.07 PTB 13	NPT 1/4	57	13	17
		102.07 PRB 17	NPT 3/8	57	13	19
	09	102.09 PRB 17	BSPT 3/8	69	13	23
		102.09 PTB 17	NPT 3/8	69	13	23
	12	102.12 PRB 21	BSPT 1/2	90	17	30
		102.12 PTB 21	NPT 1/2	90	17	30
	16	102.16 PRB 26	BSPT 3/4	104	19	38
		102.16 PTB 26	NPT 3/4	104	19	38
	25	102.25 PRB 13	BSPT 1/2	130	23	30
		102.25 PTB 13	NPT 1/2	130	23	30

rtc TYPE 102

Cylindrical male thread plug extension / Verlängerungsnippel mit Aussengewinde zylindrisch



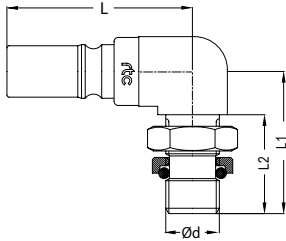
Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	L	L1	HEX.
	06	102.06 POB 13x64	BSP 1/4	64	10	17
		102.06 POB 13x80	BSP 1/4	82	10	17
		102.06 POB 13x110	BSP 1/4	112	10	17
	07	102.07 POB 13x64	BSP 1/4	64	10	17
		102.07 POB 13x80	BSP 1/4	82	10	17
		102.07 POB 13x110	BSP 1/4	112	10	17

**rtc** TYPE 102

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



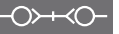
Plug / Nippel



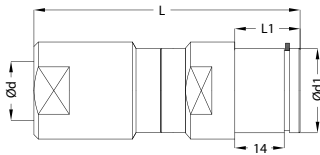
Size Größe	Order No / Bestellnr.	Ød	L	L1	L2	HEX.
06	102.06 POB 13x24-90	BSP 1/4	45	34	24	21
07	102.07 POB 13x24-90	BSP 1/4	45	34	24	21
09	102.09 POB 17x24-90	BSP 3/8	73	42	24	25

**rtc** TYPE M102

Female thread docking socket / Kupplung mit Innengewinde



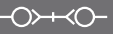
Socket / Kupplung



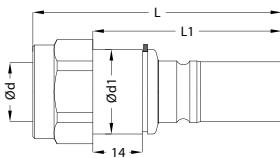
Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
06	M 102.06 SFB 13	BSP 1/4	18	59	18.5	20
07	M 102.07 SFB 13	BSP 1/4	18	59	18.5	20
09	M 102.09 SFB 17	BSP 3/8	24	75.5	18.5	27
09	M 102.09 SFB 21	BSP 1/2	24	75.5	18.5	27

**rtc** TYPE M102

Female thread docking plug / Nippel mit Innengewinde



Plug / Nippel



Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
06	M 102.06 PFB 13	BSP 1/4	18	54	44.5	19
07	M 102.07 PFB 13	BSP 1/4	18	54	44.5	19
09	M 102.09 PFB 17	BSP 3/8	24	71	53.5	27
09	M 102.09 PFB 21	BSP 1/2	24	71	53.5	27



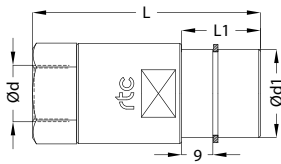
Female thread manifold socket / Manifold Kupplung mit Innengewinde

TYPE 102.08



Socket / Kupplung

Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
08	102.08 SFB 13	BSP 1/4	26	67	23.5	26
08	102.08 SFB 17	BSP 3/8	26	67	23.5	26



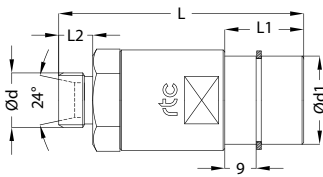
Male thread manifold socket / Manifold Kupplung mit Aussengewinde

TYPE 102.08



Plug / Nippel

Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	L2
08	102.08 SMB 1415-08	M14x1.5	26	70	23.5	11
08	102.08 SMB 1615-10	M16x1.5	26	70	23.5	11



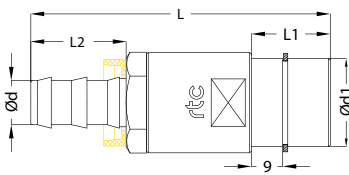
Push to connect hose tail manifold socket / Manifold Kupplung mit gerader Schnellsteck - Schlauchtülle

TYPE 102.08



Plug / Nippel

Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	L2
08	102.08 SPB 10	10 mm	26	83	23.5	24
08	102.08 SPB 13	13 mm	26	87	23.5	28



Male thread manifold plug / Manifold Nippel mit Aussengewinde

TYPE 102.08



Plug / Nippel

Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
08	102.08 POB 17	BSP 3/8	17.5	39.5	12	20

