



rtc[®]

COUPLING TECHNOLOGY
[www.rtc-tec.com](http://www rtc-tec.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 102.06	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)

Flow size - Nennweiten

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

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

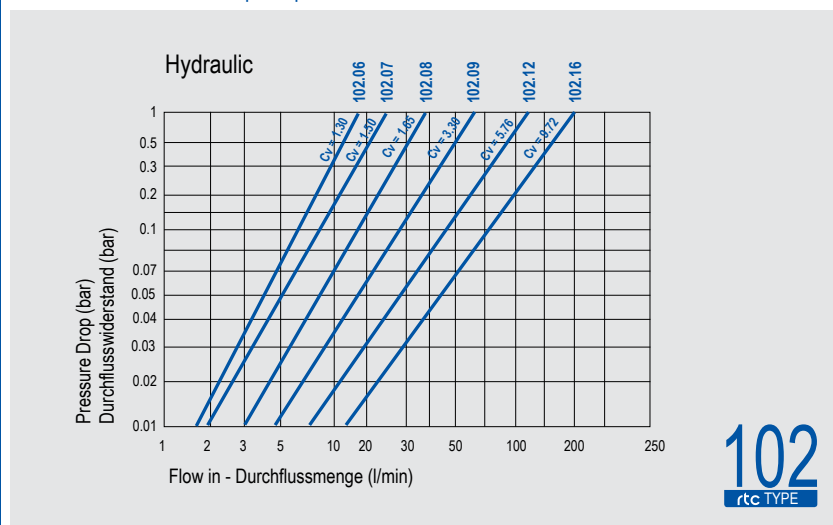
- On temperature regulation applications with hot or cold water, oil etc.
- Blow moulding industry
- Injection moulding industries.
- On steam line.

Anwendungsbereiche

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



Flow Rate vs Pressure Drop Graph



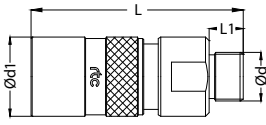
102
rtc TYPE

rtc TYPE 102

Cylindrical male thread socket / Kupplung mit Aussengewinde zylindrisch



Socket / Kupplung



Con. 24° / 24° Innenkonus

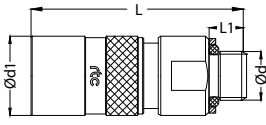
Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
06	102.06 SMB 1615-10	M16x1.5	22	59	11	20
07	102.07 SMB 1615-10	M16x1.5	22	59	11	20
09	102.09 SMB 1815-12	M18x1.5	28	80	11	24
06	102.06 STB 13	NPT 1/4	22	60	12	20
07	102.07 STB 13	NPT 1/4	22	60	12	20
09	102.09 STB 17	NPT 3/8	28	83	14	24

rtc TYPE 102

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



Socket / Kupplung



Con. 60° / 60° Innenkonus

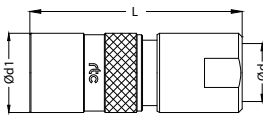
Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
06	102.06 SOB 13	BSP 1/4	22	59	11	20
06	102.06 SOB 17	BSP 3/8	22	60	12	20
07	102.07 SOB 13	BSP 1/4	22	59	11	20
09	102.09 SOB 17	BSP 3/8	28	80	12	24
09	102.09 SOB 21	BSP 1/2	28	84	14	24

rtc TYPE 102

Cylindrical female thread socket / Kupplung mit Innengewinde zylindrisch



Socket / Kupplung



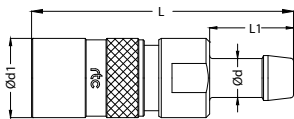
Size Größe	Order No / Bestellnr.	Ød	Ød1	L	HEX.
06	102.06 SFB 13	BSP 1/4	22	61	20
07	102.07 SFB 13	BSP 1/4	22	61	20
09	102.09 SFB 17	BSP 3/8	28	75.5	24
12	102.12 SFB 21	BSP 1/2	44	103	27
16	102.16 SFB 26	BSP 3/4	53	129	36
06	102.06 SNB 13	NPT 1/4	22	61	20
07	102.07 SNB 13	NPT 1/4	22	61	20
09	102.09 SNB 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

rtc TYPE 102

Standard hose tail socket / Kupplung mit gerader Standard - Schlauchtülle



Socket / Kupplung



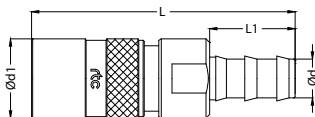
Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
06	102.06 SHB 10	10 mm	22	78.5	28	20
07	102.07 SHB 10	10 mm	22	78.5	28	20
09	102.09 SHB 13	13 mm	28	115	28	24

rtc TYPE 102

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



Socket / Kupplung



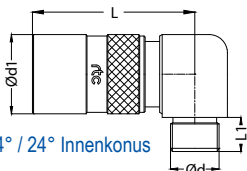
Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
06	102.06 SPB 10	10 mm	22	74.5	24	20
07	102.07 SPB 10	10 mm	22	74.5	24	20
09	102.09 SPB 13	13 mm	28	115	28	24

rtc TYPE 102

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



Socket / Kupplung



Con. 24° / 24° Innenkonus

Size Größe	Order No / Bestellnr.	Ød	Ød1	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



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

TYPE 102



Socket / Kupplung

Size
Größe

Order No / Bestellnr.

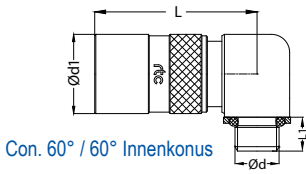
Ød

Ød1

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

TYPE 102



Socket / Kupplung

Size
Größe

Order No / Bestellnr.

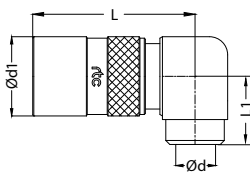
Ød

Ød1

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



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

TYPE 102



Socket / Kupplung

Size
Größe

Order No / Bestellnr.

Ød

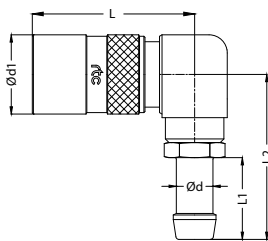
Ød1

L

L1

L2

HEX.



06	102.06 SHB 10-90	10 mm	22	55.5	28	58.5	20
07	102.07 SHB 10-90	10 mm	22	55.5	28	58.5	20
09	102.09 SHB 13-90	13 mm	28	57	28	66.5	24



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

TYPE 102



Socket / Kupplung

Size
Größe

Order No / Bestellnr.

Ød

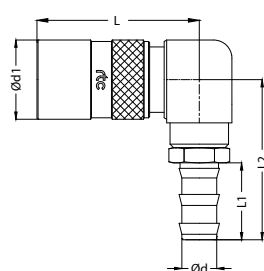
Ød1

L

L1

L2

HEX.



06	102.06 SPB 10-90	10 mm	22	55.5	24	54.5	20
07	102.07 SPB 10-90	10 mm	22	55.5	24	54.5	20
09	102.09 SPB 13-90	13 mm	28	57	28	66.5	24



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

TYPE 102



Socket / Kupplung

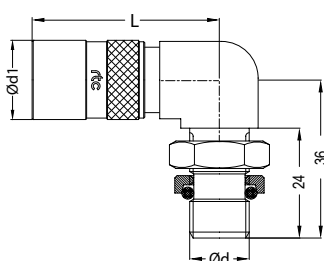
Size
Größe

Order No / Bestellnr.

Ød

L

HEX.



06	102.06 SOB 13x24-90	BSP 1/4	49.5	21	
07	102.07 SOB 13x24-90	BSP 1/4	49.5	21	

rtc TYPE 102

Female thread plug / Nippel mit Innengewinde



Plugs / Nippel

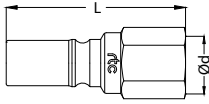
Size
Größe

Order No / Bestellnr.

Ød

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

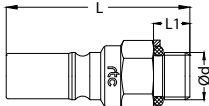
Order No / Bestellnr.

Ød

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

rtc TYPE 102

Conical male thread plug / Nippel mit Aussengewinde konisch



Plugs / Nippel

Size
Größe

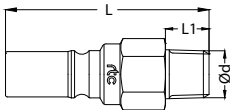
Order No / Bestellnr.

Ød

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

rtc TYPE 102

Conical male thread plug / Nippel mit Aussengewinde konisch



Plugs / Nippel

Size
Größe

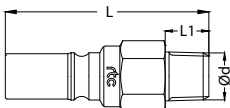
Order No / Bestellnr.

Ød

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

rtc TYPE 102

Cylindrical male thread plug extension / Verlängerungsnippel mit Aussengewinde zylindrisch



Plugs / Nippel

Size
Größe

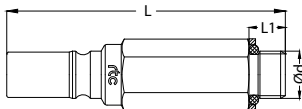
Order No / Bestellnr.

Ød

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

rtc TYPE 102

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



Plugs / Nippel

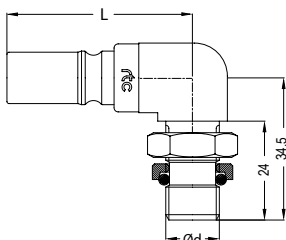
Size
Größe

Order No / Bestellnr.

Ød

L

HEX.



06	102.06 POB 13-90	BSP 1/4	45	17
07	102.07 POB 13-90	BSP 1/4	45	17

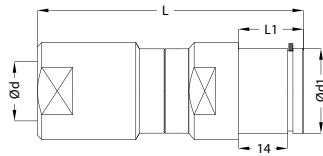


Female thread manifold socket / Kupplung mit Innengewinde

TYPE M102



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

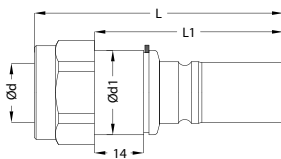


Female thread manifold plug / Nippel mit Innengewinde

TYPE M102



Plugs / 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

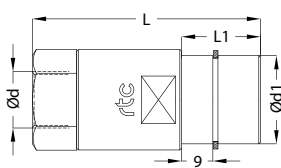


Female thread manifold socket / Manifold Kupplung mit Innengewinde

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

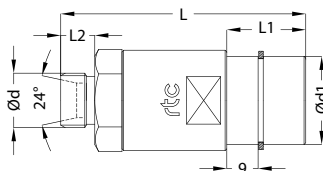


Male thread manifold socket / Manifold Kupplung mit Aussengewinde

TYPE 102.08



Plugs / 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

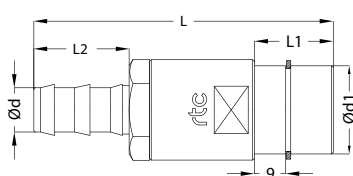


Push to connect hose tail manifold socket / Manifold Kupplung mit gerader Schnellsteck - Schlauchtülle

TYPE 102.08



Plugs / 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

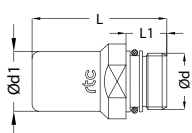


Male thread manifold plug / Manifold Nippel mit Aussengewinde

TYPE 102.08



Plugs / 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