

rtc[®]

QUICK CONNECT TECHNOLOGY
www.rtc-tec.com



108

rtc TYPE

One hand Connection
Push-pull Disconnection

Eine Hand Kuppeln
Push-Pull Lösen





Temperature Range - Temperaturbereich
 -20°C +100°C (-5°F +210°F) Nitril (N)
 -10°C +200°C (+15°F +392°F) FPM (V)

Max. Working Pressure - Max. Betriebsdruck

rtc 108.06	180 bar (2610 PSI)
rtc 108.07	180 bar (2610 PSI)
rtc 108.09	180 bar (2610 PSI)
rtc 108.12	180 bar (2610 PSI)
rtc 108.16	180 bar (2610 PSI)

Flow size - Nennweiten

rtc 108.06	6 mm
rtc 108.07	7 mm
rtc 108.09	9 mm
rtc 108.12	12 mm
rtc 108.16	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	Stainless Steel - Edelstahl
Sleeve - Hülse	Stainless Steel - Edelstahl
Valve - Ventil	Stainless Steel - Edelstahl
Locking Ring - Sprengring	Stainless Steel - Edelstahl
Balls - Kugeln	18/8 Stainless Steel - Edelstahl
Seals - Dichtungen	FKM (V)
Plug - Nippel	Stainless Steel - Edelstahl
Back part Nippel - Nippel Hinterteil	Stainless Steel - Edelstahl

Standard version - Standardversion
 FPM (V)

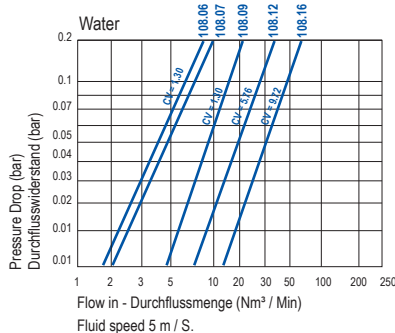
Options - Optionen

E	EPDM Seal - EPDM Dichtung
W	FFKM Seal - FFKM Dichtung

RED Colour coding - Farbkodierung
BLUE

STANDART
 One hand Connection Push-pull Disconnection
 Eine Hand Kuppeln Push-Pull Lösen

Flow Rate vs Pressure Drop Graph
 Durchflussrate vs Pressure Drop Graph



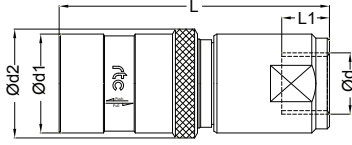
rtc STANDARD TYPE	108.06	108.07	108.09	108.12	108.16
Double Shut-off Beidseitig ababsperrend	Double / Beidseitig 	Double / Beidseitig 	Double / Beidseitig 	Double / Beidseitig 	Double / Beidseitig
Nominal Nennweite Ø (mm.)	6	7	9	12	16
Max. Working Preß. Max. Betriebsdruck (Bar)	180	180	180	180	180
Operating Temperature Betriebstemperatur (°C)	-10°C, +200°C	-10°C, +200°C	-10°C, +200°C	-10°C, +200°C	-10°C, +200°C

rtc TYPE 108

Cylindrical female thread socket / Kupplung mit Innengewinde zylindrisch



Socket / Kupplung



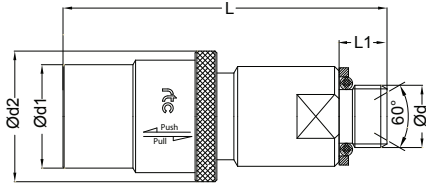
Size Größe	Order No	Ød	Ød1	Ød2	L	L1	HEX.
06	108.06 SFB 13	BSP 1/4"	22	24	61	10	20
06	108.06 SFB 17	BSP 3/8"	22	24	65	11	21
06	108.06 SNB 13	NPT 1/4"	24	24	61	10	20
09	108.09 SFB 17	BSP 3/8"	31.5	36	75.5	11	24
09	108.09 SNB 17	NPT 3/8"	31.5	36	75.5	11	24
12	108.12 SFB 21	BSP 1/2"	41	44	103	14	27
12	108.12 SNB 21	NPT 1/2"	41	44	103	14	27
16	108.16 SFB 26	BSP 3/4"	53.5	53.5	130	17	36

rtc TYPE 108

Cylindrical Male thread socket / Kupplung mit Aussengewinde zylindrisch



Socket / Kupplung



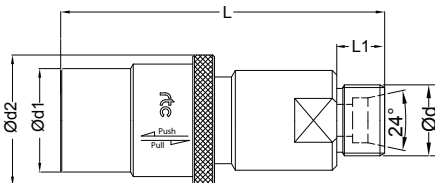
Size Größe	Order No	Ød	Ød1	Ød2	L	L1	HEX.
09	108.09 SOB 17	BSP 3/8"	31.5	36	82	12	24
12	108.12 SOB 21	BSP 1/2"	41	44	109	14	27
16	108.16 SOB 26	BSP 3/4"	53.5	53.5	137	20	41

rtc TYPE 108

Male threaded sockets for hydraulic pipes with 24° taper according to ISO 8434-1 / Kupplung mit Aussengewinde mit 24° Dichtkonus



Socket / Kupplung



Size Größe	Order No	Ød	Ød1	Ød2	L	L1	HEX.
06	108.06 SMB 1415-08	M 14x1.5-Ø8	22	24	61	10	20
06	108.06 SMB 1615-10	M 16x1.5-Ø10	22	24	60	11	20
09	108.09 SMB 1815-12	M 18x1.5-Ø12	31.5	36	79	11	24
12	108.12 SMB 2215-15	M 22x1.5-Ø15	41	44	108	12	27
16	108.16 SMB 3020-22	M 30x2.0-Ø22	53.5	53.5	137	14	41



Cylindrical female thread plug / Nippel mit Innengewinde zylindrisch

TYPE 108 **rtc**

Plug / Nippel	Size Größe	Order No	Ød	L	L1	HEX.
	06	108.06 PFB 13	BSP 1/4"	59	10	17
	06	108.06 PFB 17	BSP 3/8"	61	11	21
	06	108.06 PNB 13	NPT 1/4"	58	10	17
	09	108.09 PFB 17	BSP 3/8"	71	11	23
	09	108.09 PNB 17	NPT 3/8"	70	11	23
	12	108.12 PFB 21	BSP 1/2"	90	14	30
	12	108.12 PNB 21	NPT 1/2"	90	14	30
	16	108.16 PFB 26	BSP 3/4"	105	17	38



Cylindrical Male thread plug / Nippel mit Aussengewinde zylindrisch

TYPE 108 **rtc**

Plug / Nippel	Size Größe	Order No	Ød	L	L1	HEX.
	06	108.06 POB 13	BSP 1/4	54	10	17
	09	108.09 POB 17	BSP 3/8	67	11	23
	12	108.12 POB 21	BSP 1/2	85	14	30
	16	108.16 POB 26	BSP 3/4	101	17	38
	16	108.16 POB 33	BSP 1	106	20	41



Panel Mounting Male Threaded Plug / Nippel mit Aussengewinde Schott

TYPE 108 **rtc**

Plug / Nippel	Size Größe	Order No	Ød	Ød1	L	L1	L2	HEX.1	HEX.2
	06	108.06 PMBP 13	BSP 1/4	16.5	61	11	4	17	21
	09	108.09 PMBP 17	BSP 3/8	22.5	72	12	4	23	27
	12	108.12 PMBP 21	BSP 1/2	28.5	96	14	6	30	34
	16	108.16 PMBP 26	BSP 3/4	36.5	112	16	5	38	46



Male threaded plugs for hydraulic pipes with 24° taper according to ISO 8434-1 / Nippel mit Aussengewinde mit 24° Dichtkonus

TYPE 108 **rtc**

Plug / Nippel	Size Größe	Order No	Ød	L	L1	HEX.
	06	108.06 PMB 1415-08	M 14x1.5-Ø8	52	10	17
	06	108.06 PMB 1615-10	M 16x1.5-Ø10	53	11	17
	09	108.09 PMB 1815-12	M 18x1.5-Ø12	65	11	23
	12	108.12 PMB 2215-15	M 22x1.5-Ø15	81	12	30
	16	108.16 PMB 3020-22	M 30x2.0-Ø22	98	14	38



NPT male thread plug / Nippel mit Aussengewinde NPT

TYPE 108 **rtc**

Plug / Nippel	Size Größe	Order No	Ød	L	L1	HEX.
	09	108.09 PTB 17	NPT 3/8"	69	11	23
	12	108.12 PTB 21	NPT 1/2"	89	15	30
	13	108.16 PTB 26	NPT 3/4"	103	19	38