



# rtc<sup>®</sup>

COUPLING TECHNOLOGY  
www.rtc-tec.com



# 108

rtc TYPE

One hand Connection  
Push-pull Disconnection

Ein-Hand Kuppeln  
Push-Pull Lösen



**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 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

**Material**

Socket Body - Kupplungsgrundkörper Stainless Steel - Edelstahl  
Sleeve - Hülse Stainless Steel - Edelstahl  
Valve - Ventil 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 Stainless Steel - Edelstahl

**Standard version - Standardversion**

FPM (V)  
One hand Connection Push-pull Disconnection  
Ein-Hand Kuppeln Push-Pull Lösen

**Options - Optionen**

**E** EPDM Seal - EPDM Dichtung  
**W** FFKM Seal - FFKM Dichtung  
  
**RED** Colour coding - Farbkodierung  
**BLUE**

**Using Area**

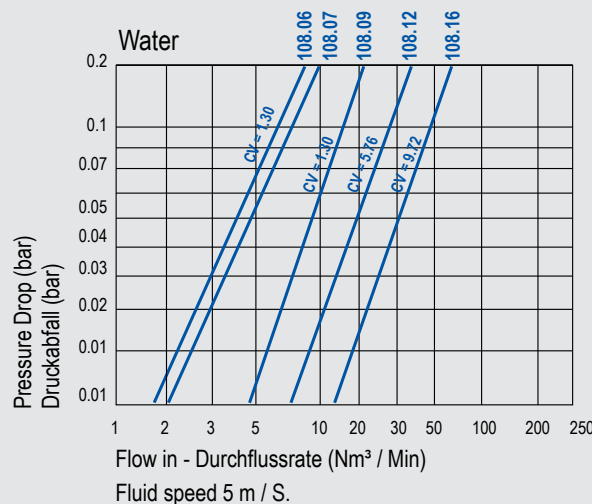
- On temperature regulation applications with hot or cold water, oil etc.
- Blow moulding industry
- Injection moulding industries.
- On steam line.

**Anwendungsbereiche**

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



Flow Rate vs Pressure Drop Graph / Durchflussrate vs Druckabfall



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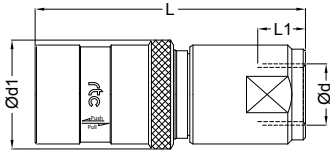
**rtc** TYPE 108

Cylindrical female thread socket / Kupplung mit Innengewinde zylindrisch



Socket / Kupplung

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



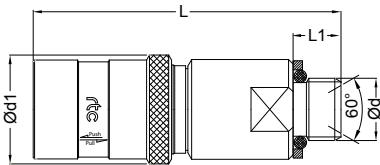
**rtc** TYPE 108

Cylindrical Male thread socket / Kupplung mit Aussengewinde zylindrisch



Socket / Kupplung

Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
09	108.09 SOB 17	BSP 3/8	32	82	12	24
12	108.12 SOB 21	BSP 1/2	41	109	14	27
16	108.16 SOB 26	BSP 3/4	54	137	20	41



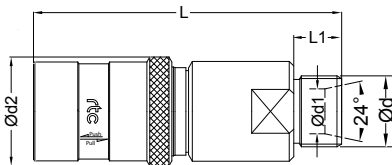
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Male thread socket / Kupplung mit Aussengewinde



Socket / Kupplung

Size Größe	Order No / Bestellnr.	Ød	Ød1	Ød2	L	L1	HEX.
06	108.06 SMB 1415-08	M 14x1.5	8	24	61	10	20
06	108.06 SMB 1615-10	M 16x1.5	10	24	60	11	20
09	108.09 SMB 1815-12	M 18x1.5	12	36	79	11	24
12	108.12 SMB 2215-15	M 22x1.5	15	44	108	12	27
16	108.16 SMB 3020-22	M 30x2.0	22	53.5	137	14	41



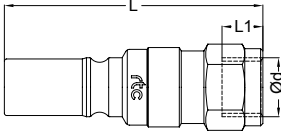
Male threaded socket for hydraulic pipes with 24° taper according to ISO 8434-1 (type: S)  
Kupplung mit Aussengewinde mit 24° Dichtkonus (typ:S)



Cylindrical female thread plug / Nippel mit Innengewinde zylindrisch

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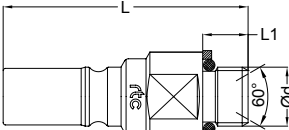
Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	L	L1	HEX.
	06	108.06 PFB 13	BSP 1/4"	59	10	17
	06	108.06 PFB 17	BSP 3/8"	61	11	21
	06	108.06 PNB 13	NPT 1/4"	58	10	17
	09	108.09 PFB 17	BSP 3/8"	71	11	23
	09	108.09 PNB 17	NPT 3/8"	70	11	23
	12	108.12 PFB 21	BSP 1/2"	90	14	30
	12	108.12 PNB 21	NPT 1/2"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



Cylindrical Male thread plug / Nippel mit Aussengewinde zylindrisch

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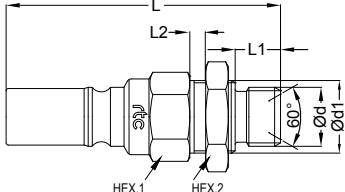
Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	L	L1	HEX.
	06	108.06 POB 13	BSP 1/4	54	10	17
	09	108.09 POB 17	BSP 3/8	67	11	23
	12	108.12 POB 21	BSP 1/2	85	14	30
	16	108.16 POB 26	BSP 3/4	101	17	38
	16	108.16 POB 33	BSP 1	106	20	41



Panel Mounting Male Threaded Plug / Nippel mit Aussengewinde Schott

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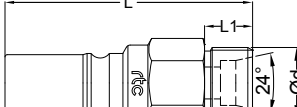
Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	L2	HEX.1	HEX.2
	06	108.06 PMBP 13	BSP 1/4	16.5	61	11	4	17	21
	09	108.09 PMBP 17	BSP 3/8	22.5	72	12	4	23	27
	12	108.12 PMBP 21	BSP 1/2	28.5	96	14	6	30	34
	16	108.16 PMBP 26	BSP 3/4	36.5	112	16	5	38	46



Male thread plug / Nippel mit Aussengewinde

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Plug / Nippel	Size Größe	Order No / Bestellnr.	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

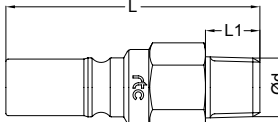
Male threaded plug for hydraulic pipes with 24° taper according to ISO 8434-1 (type: S)  
Nippel mit Aussengewinde mit 24° Dichtkonus (typ:S)



NPT male thread plug / Nippel mit Aussengewinde NPT

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Plug / Nippel	Size Größe	Order No / Bestellnr.	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
	16	108.16 PTB 26	NPT 3/4"	103	19	38