



# rtc<sup>®</sup>

COUPLING TECHNOLOGY  
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# 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 108.03 250 bar (2610 PSI)  
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 108.03 3 mm  
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**

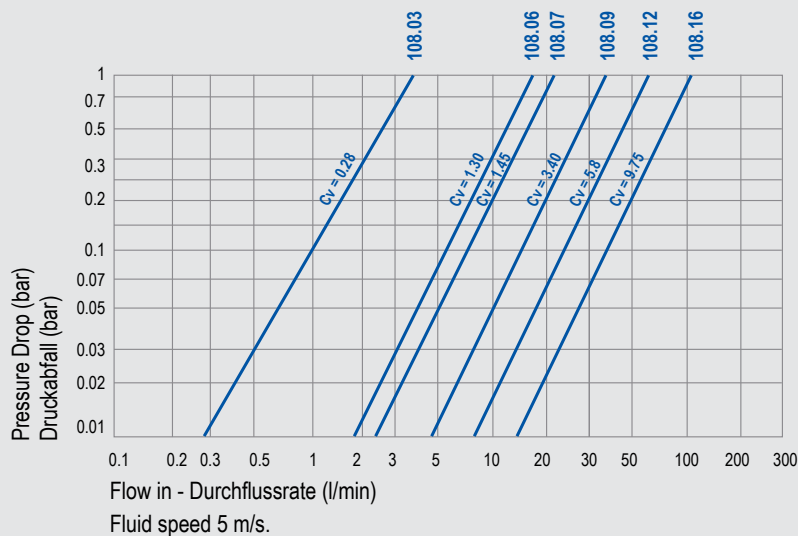
- On temperature regulation applications with hot or cold water, oil etc.
- Blow moulding industry
- Injection moulding industries.
- On steam line.

**Anwendungsbereiche**

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



Flow Rate vs Pressure Drop Graph / Durchflussrate vs Druckabfall

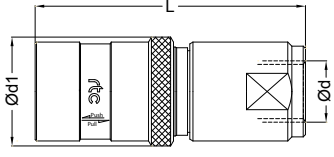


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Female thread socket / Kupplung mit Innengewinde

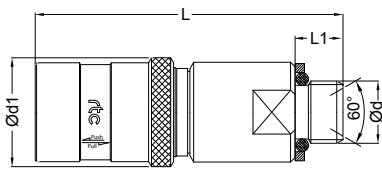


Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	HEX.
	03	108.03 SFB 10	BSP 1/8	17	49	13
	06	108.06 SFB 13	BSP 1/4	24	61	20
		108.06 SFB 17	BSP 3/8	24	65	21
		108.06 SNB 13	NPT 1/4	24	61	20
	07	108.07 SFB 13	BSP 1/4	24	61	20
		108.07 SFB 17	BSP 3/8	24	65	21
		108.07 SNB 13	NPT 1/4	24	61	20
	09	108.09 SFB 17	BSP 3/8	31.5	75.5	24
		108.09 SNB 17	NPT 3/8	31.5	75.5	24
	12	108.12 SFB 21	BSP 1/2	41	103	27
		108.12 SNB 21	NPT 1/2	41	103	27
	16	108.16 SFB 26	BSP 3/4	53.5	130	36

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Male thread socket / Kupplung mit Aussengewinde

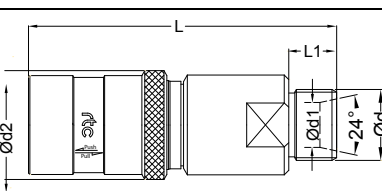


Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	03	108.03 SOB 10	BSP 1/8	17	49	8	14
	06	108.06 SOB 13	BSP 1/4	24	59	10	20
	07	108.07 SOB 13	BSP 1/4	24	59	10	20
	09	108.09 SOB 17	BSP 3/8	32	82	12	24
	12	108.12 SOB 21	BSP 1/2	41	109	14	27
	16	108.16 SOB 26	BSP 3/4	54	137	20	41

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Male thread socket / Kupplung mit Aussengewinde

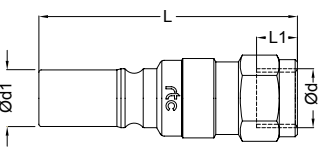


Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	Ød2	L	L1	HEX.
 <p>Male threaded socket for hydraulic pipes with 24° taper according to ISO 8434-1 (type: S) Kupplung mit Aussengewinde mit 24° Dichtkonus (typ: S)</p>	06	108.06 SMB 1415-08	M 14x1.5	8	24	61	10	20
	06	108.06 SMB 1615-10	M 16x1.5	10	24	60	11	20
	07	108.07 SMB 1415-08	M 14x1.5	8	24	61	10	20
	07	108.07 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

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Female thread plug / Nippel mit Innengewinde



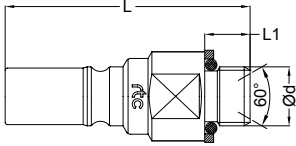
Socket / Kupplung	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	HEX.
	03	108.03 PFB 10	BSP 1/8	6	41	13
	06	108.06 PFB 13	BSP 1/4	12.5	59	17
		108.06 PFB 17	BSP 3/8	12.5	61	21
		108.06 PNB 13	NPT 1/4	12.5	58	17
	07	108.07 PFB 13	BSP 1/4	13	61	20
		108.07 PFB 17	BSP 3/8	13	65	21
		108.07 PNB 13	NPT 1/4	13	61	20
	09	108.09 PFB 17	BSP 3/8	71	71	23
		108.09 PNB 17	NPT 3/8	70	70	23
	12	108.12 PFB 21	BSP 1/2	90	90	30
		108.12 PNB 21	NPT 1/2	90	90	30
	16	108.16 PFB 26	BSP 3/4	105	105	38



Male thread plug / Nippel mit Aussengewinde

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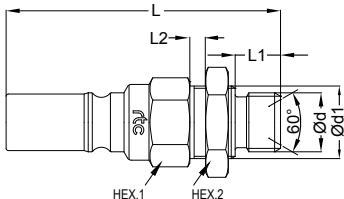
Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	L	L1	HEX.
	03	108.03 POB 10	BSP 1/8	39.5	8	13
	06	108.06 POB 13	BSP 1/4	54	10	17
	07	108.07 POB 13	BSP 1/4	54	10	17
	09	108.09 POB 17	BSP 3/8	67	11	23
	12	108.12 POB 21	BSP 1/2	85	14	30
	16	108.16 POB 26	BSP 3/4	101	17	38
	16	108.16 POB 33	BSP 1	106	20	41



Panel Mounting Male Threaded Plug / Nippel mit Aussengewinde Schott

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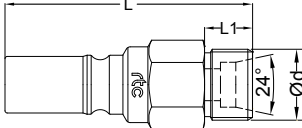
Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	L2	HEX.1	HEX.2
	03	108.03 PMBP 10	BSP 1/8	12.5	46	8	4.5	13	15
	06	108.06 PMBP 13	BSP 1/4	16.5	61	11	4	17	21
	07	108.07 PMBP 13	BSP 1/4	16.5	61	11	4	17	21
	09	108.09 PMBP 17	BSP 3/8	22.5	72	12	4	23	27
	12	108.12 PMBP 21	BSP 1/2	28.5	96	14	6	30	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.
	03	108.03 PMB 1415-08	M 12x1.5-Ø6	40	10	13
	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
	07	108.07 PMB 1415-08	M 14x1.5-Ø8	52	10	17
	07	108.07 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

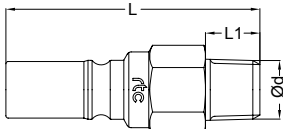
Male threaded plug for hydraulic pipes with 24° taper according to ISO 8434-1 (type: S)  
Nippel mit Aussengewinde mit 24° Dichtkonus (typ:S)



BSPT male thread plug / Nippel mit Aussengewinde BSPT

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Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	L	L1	HEX.
	09	108.09 PRB 17	BSPT 3/8	69	11	23
	12	108.12 PRB 21	BSPT 1/2	89	15	30
	16	108.16 PRB 26	BSPT 3/4	103	19	38