



rtc[®]

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

-  Water
-  Pneumatic
-  Hydraulic
-  Electrical
-  Accessories

105

rtc TYPE



105 Type Couplings are leak tight on connection and disconnection



Temperature Range - Temperaturbereich

Nitrile (N)	-20°C + 100°C (-4°F + 212°F)
FPM (V)	-20°C + 180°C (-4°F + 356°F)
EPDM (E)	-40°C + 150°C (-40°F + 302°F)
FFKM (W)	0°C +270°C (+23°F +518°F)

Max. Working Pressure - Max. Betriebsdruck

rtc 105.09	16 bar (232 PSI)
rtc 105.12	16 bar (232 PSI)
rtc 105.16	16 bar (232 PSI)
rtc 105.20	16 bar (232 PSI)
rtc 105.25	16 bar (232 PSI)

Flow size - Nennweiten

rtc 105.09	9 mm
rtc 105.12	12 mm
rtc 105.16	16 mm
rtc 105.20	20 mm
rtc 105.25	25 mm

Material

Socket Body- Kupplungsgrundkörper	Brass - Messing
Sleeve - Hülse	AISI 420 Chromium plated
Valve - Ventil	Brass - Messing
Springs - Federn	Stainless Steel - Edelstahl
Seals - Dichtungen	FPM (V)
Plug - Nippel	105.09 / 105.12 Brass - Messing 105.16 / 105.20 / 105.25 Stainless Steel - Edelstahl Messing

Standard version - Standardversion

Brass - Messing
FPM (V)

Options - Optionen

Stainless Steel - Edelstahl
EPDM Seal - EPDM Dichtung
FFKM Seal - FFKM Dichtung
Colour coding - Farbkodierung

Colour Ring

For color coding add **R** (red) or **B** (blue) on the end of the order number

Farbring

Für die Farbkodierung fügen Sie **R** (Rot) oder **B** (Blau) am Ende der Bestellnummer hinzu

Using Area

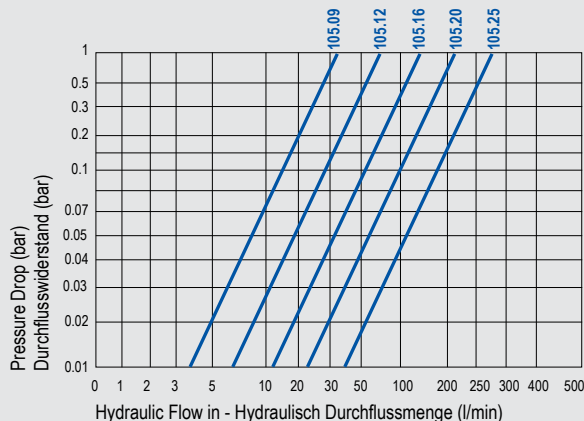
- On temperature regulation applications with hot or cold water, oil etc
- Injection moulding industries
- On steam line

Anwendungsbereiche

- Werkzeugtemperierung
- Kühlung mit Öl oder Wasser
- Kunststoffindustrie
- Dampfanwendungen



Flow Rate vs Pressure Drop Graph / Durchflussrate vs Druckabfall



Fluid speed 5 m/s (Double shut-off / Beidseitig asperrend)
Direction of flow socket to plug - Durchflussrichtung Kupplung zu Nippel

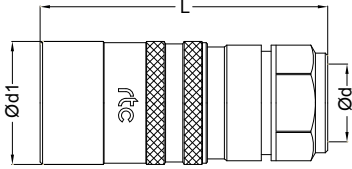
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Female thread socket with valve / Verschlusskupplung mit Innengewinde



Socket / Kupplung



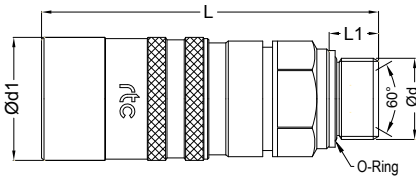
Size Größe	Order No / Bestellnr.	Ød	Ød1	L	HEX.
09	105.09 SFB 17	BSP 3/8	25	67	23
09	105.09 SNB 17	NPT 3/8	25	65	23
12	105.12 SFB 21	BSP 1/2	31	80	30
12	105.12 SNB 21	NPT 1/2	31	79	30
16	105.16 SFB 26	BSP 3/4	38	99	36
16	105.16 SNB 26	NPT 3/4	38	100	36
20	105.20 SFB 26	BSP 3/4	50	117	42
20	105.20 SFB 33	BSP 1	50	117	42
20	105.20 SNB 33	NPT 1	50	117	42
25	105.25 SFB 33	BSP 1	55	137	50
25	105.25 SFB 42	BSP 1-1/4	55	137	50
25	105.25 SNB 42	NPT 1-1/4	55	134	50

rtc TYPE 105

Male thread socket with 60° sealing cone / Kupplung mit Aussengewinde 60° Dichtkonus



Socket / Kupplung



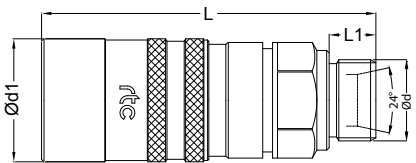
Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
09	105.09 SOB 17	BSP 3/8	25	66	12	23
12	105.12 SOB 21	BSP 1/2	31	80	14	30
16	105.16 SOB 26	BSP 3/4	38	100	16	36
20	105.20 SOB 33	BSP 1	50	129	20	42
25	105.25 SOB 42	BSP 1-1/4	55	139	21	50

rtc TYPE 105

Male thread socket with 24° sealing cone / Kupplung mit Aussengewinde 24° Dichtkonus



Socket / Kupplung



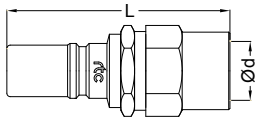
Size Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
09	105.09 SMB 1815-12	M18x1.5-Ø12	25	65	11	23
12	105.12 SMB 2615-18	M26x1.5-Ø18	31	74	12	30
16	105.16 SMB 3020-22	M30x2.0-Ø22	38	98	14	36
20	105.20 SMB 3620-28	M36x2.0-Ø28	50	123	14	42
25	105.25 SMB 4520-35	M45x2.0-Ø35	55	134	16	50

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



Female thread plug with valve / Verschlussnippel mit Innengewinde

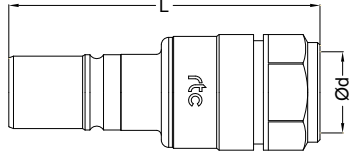
TYPE 105 

Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	L	HEX.
	09	105.09 PFB 17	BSP 3/8	62	23
	09	105.09 PNB 17	NPT 3/8	61	23
	12	105.12 PFB 21	BSP 1/2	77	30
	12	105.12 PNB 21	NPT 1/2	75	30
	16	105.16 PFB 26	BSP 3/4	99	36
	16	105.16 PNB 26	NPT 3/4	98	36



Female thread plug with valve / Verschlussnippel mit Innengewinde

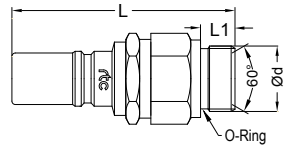
TYPE 105 

Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	L	HEX.
	20	105.20 PFB 26	BSP 3/4	127	42
	20	105.20 PNB 26	BSP 1	127	42
	20	105.20 PNB 33	NPT 1	127	42
	25	105.25 PFB 33	BSP 1	149	50
	25	105.25 PFB 42	BSP 1-1/4	149	50
	25	105.25 PNB 42	NPT 1-1/4	149	50



Male thread plug with 60° sealing cone / Nippel mit Aussengewinde 60° Dichtkonus

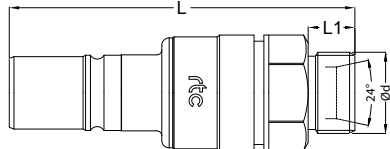
TYPE 105 

Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	L	L1	HEX.
	09	105.09 POB 17	BSP 3/8	59	12	23
	12	105.12 POB 21	BSP 1/2	75	14	30
	16	105.16 POB 26	BSP 3/4	99	16	36
	20	105.20 POB 33	BSP 1	139	20	42
	25	105.25 POB 42	BSP 1-1/4	152	21	50



Male thread plug with 24° sealing cone / Nippel mit Aussengewinde 24° Dichtkonus

TYPE 105 

Plug / Nippel	Size Größe	Order No / Bestellnr.	Ød	L	L1	HEX.
	09	105.09 PMB 1815-12	M18x1.5 - Ø12	59	11	23
	12	105.12 PMB 2615-18	M26x1.5 - Ø18	72	12	30
	16	105.16 PMB 3020-22	M30x2.0 - Ø22	95	14	36
	20	105.20 PMB 3620-28	M36x2.0 - Ø28	133	14	42
	25	105.25 PMB 4520-35	M45x2.0 - Ø35	148	16	50

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