

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

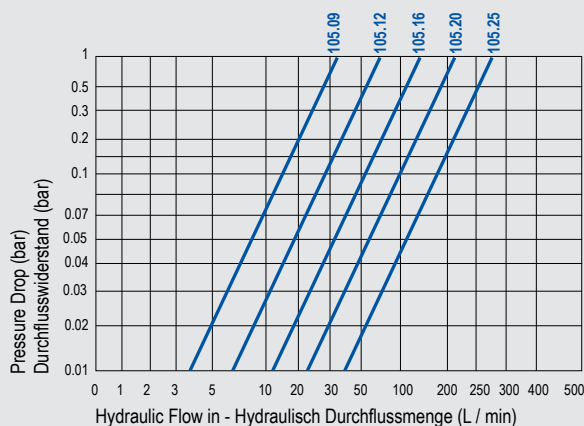
- On temperature regulation applications with hot or cold water, oil etc
- Injection moulding industries
- On steam line

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

105
rtc TYPE

Socket / Kupplung

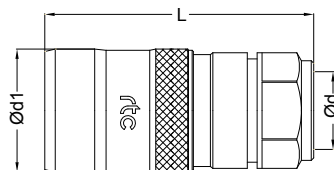
Size
Größe

Order No / Bestellnr.

 $\varnothing d$
 $\varnothing d1$

L

HEX.



09

105.09 SFB 17

BSP 3/8

25

67

23

105.09 SNB 17

NPT 3/8

25

67

23

12

105.12 SFB 21

BSP 1/2

31

82

30

105.12 SNB 21

NPT 1/2

31

82

30

16

105.16 SFB 26

BSP 3/4

38

99

36

105.16 SNB 26

NPT 3/4

38

100

36

20

105.20 SFB 26

BSP 3/4

50

117

41

105.20 SFB 33

BSP 1

50

119

41

105.20 SNB 33

NPT 1

50

119

41

25

105.25 SFB 33

BSP 1

58

138

50

105.25 SFB 42

BSP 1-1/4

58

138

50

105.25 SNB 42

NPT 1-1/4

58

138

50

Socket / Kupplung

Size
Größe

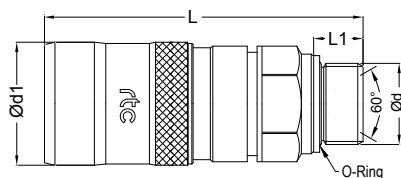
Order No / Bestellnr.

 $\varnothing d$
 $\varnothing d1$

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

Socket / Kupplung

Size
Größe

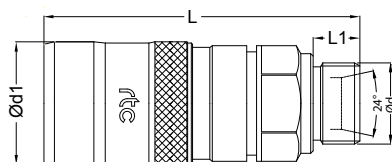
Order No / Bestellnr.

 $\varnothing d$
 $\varnothing d1$

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 **rtc**

Plug / Nippel	Size / Größe	Order No / Bestellnr.	Ød	L	HEX.
	09	105.09 PFB 17	BSP 3/8	62	23
		105.09 PNB 17	NPT 3/8	62	23
	12	105.12 PFB 21	BSP 1/2	78	30
		105.12 PNB 21	NPT 1/2	78	30
	16	105.16 PFB 26	BSP 3/4	99	36
		105.16 PNB 26	NPT 3/4	99	36



Female thread plug with valve / Verschlussnippel mit Innengewinde

TYPE 105 **rtc**

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



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

TYPE 105 **rtc**

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 **rtc**

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)