



rtc[®]

COUPLING TECHNOLOGY



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

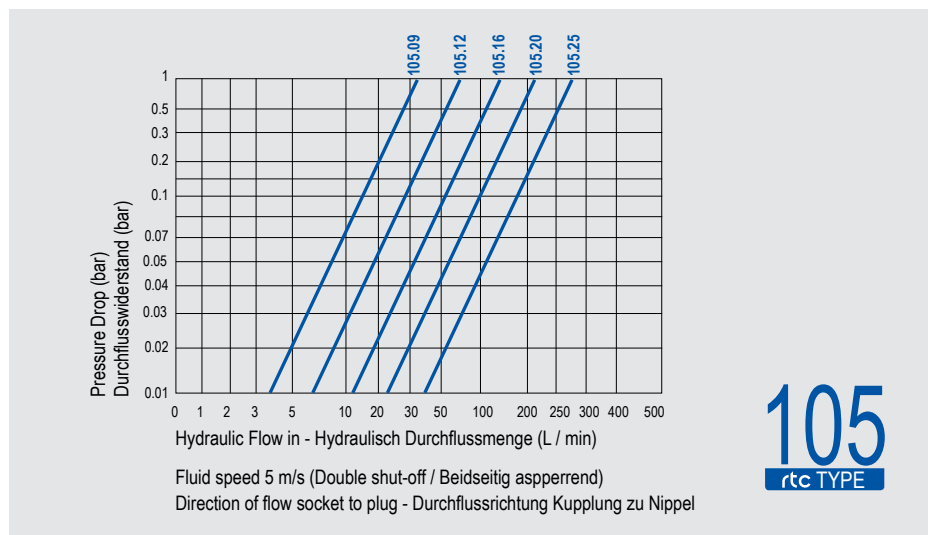
- On temperature regulation applications with hot or cold water, oil etc
- Injection moulding industries
- On steam line

Anwendungsbereiche

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



Flow Rate vs Pressure Drop Graph / Durchflussrate vs Druckabfall



105
rtc TYPE

rtc TYPE 105

Female thread socket with valve / Verschlusskupplung mit Innengewinde



Socket / Kupplung

Size
Größe

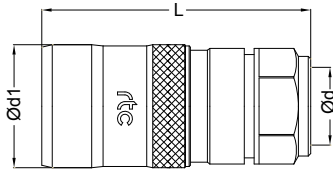
Order No / Bestellnr.

Ød

Ød1

L

HEX.



09

105.09 SFB 17
105.09 SNB 17

BSP 3/8
NPT 3/8

25
25

67
67

23
23

12

105.12 SFB 21
105.12 SNB 21

BSP 1/2
NPT 1/2

31
31

82
82

30
30

16

105.16 SFB 26
105.16 SNB 26

BSP 3/4
NPT 3/4

38
38

99
100

36
36

20

105.20 SFB 26
105.20 SFB 33
105.20 SNB 33

BSP 3/4
BSP 1
NPT 1

50
50
50

117
119
119

41
41
41

25

105.25 SFB 33
105.25 SFB 42
105.25 SNB 42

BSP 1
BSP 1-1/4
NPT 1-1/4

58
58
58

138
138
138

50
50
50

rtc TYPE 105

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



Socket / Kupplung

Size
Größe

Order No / Bestellnr.

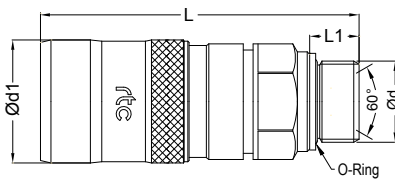
Ød

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.

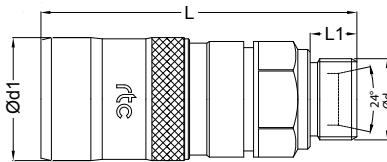
Ød

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 **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)