



# rtc<sup>®</sup>

COUPLING TECHNOLOGY



# 101

rtc TYPE





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 101.06 16 bar (232 PSI)  
rtc 101.09 16 bar (232 PSI)  
rtc 101.10 16 bar (232 PSI)  
rtc 101.12 16 bar (232 PSI)  
rtc 101.16 16 bar (232 PSI)  
rtc 101.20 16 bar (232 PSI)  
rtc 101.25 16 bar (232 PSI)  
rtc 101.38 16 bar (232 PSI)

Flow size - Nennweiten

rtc 101.06 6 mm  
rtc 101.09 9 mm  
rtc 101.10 10 mm  
rtc 101.12 12 mm  
rtc 101.16 16 mm  
rtc 101.20 20 mm  
rtc 101.25 25 mm  
rtc 101.38 38 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 101.06 / 101.09 / 101.10 / 101.12 Brass - Messing  
101.16 / 101.20 / 101.25 / 101.38 Stainless Steel - Edelstahl

Standard version - Standardversion

Brass - Messing  
FPM (V)

Options - Optionen

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

Using Area

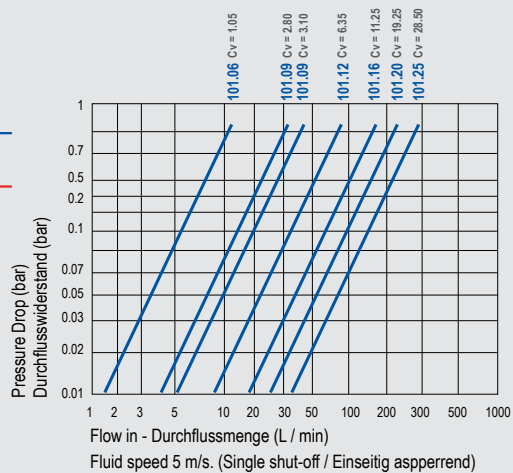
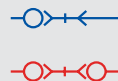
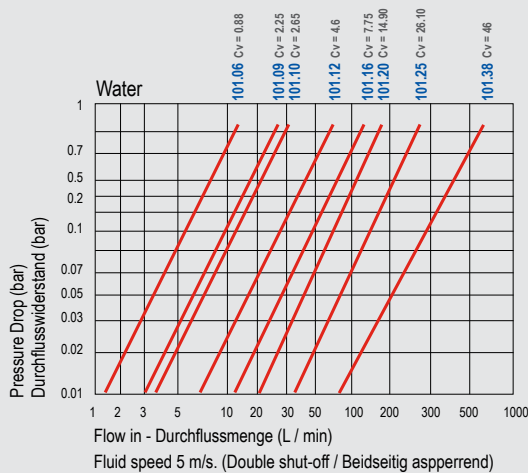
- On temperature regulation applications with hot or cold water, oil etc
- Injection moulding industries
- On steam line

Anwendungsbereiche

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



Flow Rate vs Pressure Drop Graph / Durchflussrate vs Druckabfall



101  
rtc TYPE

**rtc** TYPE 101

Standard hose tail socket / Kupplung mit Standard Schlauchtülle



Socket / Kupplung

Size / Größe

Order No / Bestellnr.

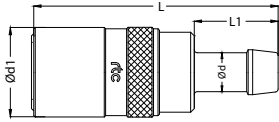
Order No / Bestellnr.

Ød

Ød1

L

L1



06

101.06 SHB 06  
101.06 SHB 08

101.06 SHF 06  
101.06 SHF 08

6 mm  
8 mm

19  
19

60  
60

23  
23

09

101.09 SHB 10  
101.09 SHB 12

101.09 SHF 10  
101.09 SHF 12

10 mm  
12 mm

24.5  
24.5

69  
69

27.5  
27.5

10

101.10 SHB 10  
101.10 SHB 12

101.10 SHF 10  
101.10 SHF 12

10 mm  
12 mm

24.5  
24.5

69  
69

27.5  
27.5

12

101.12 SHB 12  
101.12 SHB 16

101.12 SHF 12  
101.12 SHF 16

12 mm  
16 mm

30  
30

81.5  
87

27.5  
33

16

101.16 SHB 16  
101.16 SHB 19

101.16 SHF 16  
101.16 SHF 19

16 mm  
19 mm

37.5  
37.5

108  
108

33  
33

**rtc** TYPE 101

Standard hose tail socket 90° / Kupplung mit Standard Schlauchtülle 90°



Socket / Kupplung

Size / Größe

Order No / Bestellnr.

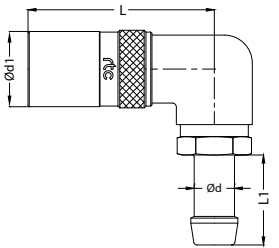
Order No / Bestellnr.

Ød

Ød1

L

L1



06

101.06 SHB 08-90

101.06 SHF 08-90

8 mm

19

60

23

09

101.09 SHB 10-90  
101.09 SHB 12-90

101.09 SHF 10-90  
101.09 SHF 12-90

10 mm  
12 mm

24.5  
24.5

69  
69

27.5  
27.5

10

101.10 SHB 10-90  
101.10 SHB 12-90

101.10 SHF 10-90  
101.10 SHF 12-90

10 mm  
12 mm

24.5  
24.5

69  
69

27.5  
27.5

12

101.12 SHB 12-90  
101.12 SHB 16-90

101.12 SHF 12-90  
101.12 SHF 16-90

12 mm  
16 mm

30  
30

84  
84

27.5  
33

16

101.16 SHB 19-90

101.16 SHF 19-90

19 mm

37.5

114

33

**rtc** TYPE 101

Push to connect hose tail socket / Kupplung mit schnellsteck Schlauchtülle



Socket / Kupplung

Size / Größe

Order No / Bestellnr.

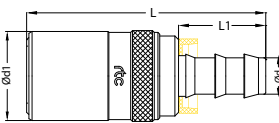
Order No / Bestellnr.

Ød

Ød1

L

L1



06

101.06 SPB 10

101.06 SPF 10

10 mm

19

61

24

09

101.09 SPB 10  
101.09 SPB 13

101.09 SPF 10  
101.09 SPF 13

10 mm  
13 mm

24.5  
24.5

66  
81.5

24  
28

10

101.10 SPB 10  
101.10 SPB 13

101.10 SPF 10  
101.10 SPF 13

10 mm  
13 mm

24.5  
24.5

66  
81.5

24  
28

12

101.12 SPB 13  
101.12 SPB 16

101.12 SPF 13  
101.12 SPF 16

13 mm  
16 mm

30  
30

81.5  
91.5

28  
38

16

101.16 SPB 19

101.16 SPF 19

19 mm

37.5

113

38

**rtc** TYPE 101

Push to connect hose tail socket 90° / Kupplung mit schnellsteck Schlauchtülle 90°



Socket / Kupplung

Size / Größe

Order No / Bestellnr.

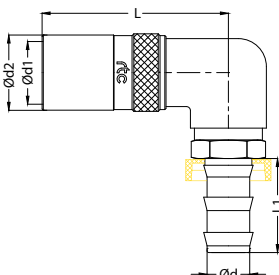
Order No / Bestellnr.

Ød

Ød1

L

L1



06

101.06 SPB 10-90

101.06 SPF 10-90

10 mm

19

60

24

09

101.09 SPB 10-90  
101.09 SPB 13-90

101.09 SPF 10-90  
101.09 SPF 13-90

10 mm  
13 mm

24.5  
24.5

69  
69

24  
28

10

101.10 SPB 10-90  
101.10 SPB 13-90

101.10 SPF 10-90  
101.10 SPF 13-90

10 mm  
13 mm

24.5  
24.5

69  
69

24  
28

12

101.12 SPB 13-90  
101.12 SPB 16-90

101.12 SPF 13-90  
101.12 SPF 16-90

13 mm  
16 mm

30  
30

84  
94

28  
38

16

101.16 SPB 19-90

101.16 SPF 19-90

19 mm

37.5




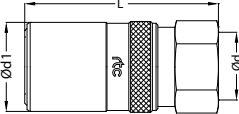
114

38



Female thread socket / Kupplung mit Innengewinde




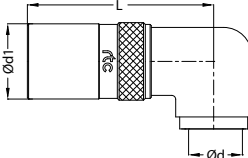
TYPE 101 **rtc**

Socket / Kupplung	Size / Größe	Order No / Bestellnr.  	Order No / Bestellnr. 	Ød	Ød1	L	L1
	06	101.06 SFB 13	101.06 SFF 13	BSP 1/4	19	46	17
		101.06 SNB 13	101.06 SNF 13	NPT 1/4	19	46	17
	09	101.09 SFB 17	101.09 SFF 17	BSP 3/8	24.5	53	22
		101.09 SNB 17	101.09 SNF 17	NPT 3/8	24.5	53	22
	10	101.10 SFB 17	101.10 SFF 17	BSP 3/8	24.5	53	22
		101.10 SNB 17	101.10 SNF 17	NPT 3/8	24.5	53	22
	12	101.12 SFB 21	101.12 SFF 21	BSP 1/2	30	81.5	27.5
		101.12 SNB 21	101.12 SNF 21	NPT 1/2	30	87	33
	16	101.16 SFB 26	101.16 SFF 26	BSP 3/4	37.5	90	35
		-	101.16 SFF 26x55	BSP 3/4	37.5	55	35
101.16 SNB 26		101.16 SNF 26	NPT 3/4	37.5	90	35	



Female thread socket 90° / Kupplung mit Innengewinde 90°




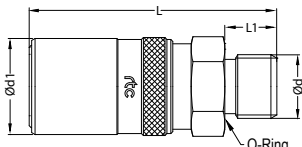
TYPE 101 **rtc**

Socket / Kupplung	Size / Größe	Order No / Bestellnr.  	Order No / Bestellnr. 	Ød	Ød1	L	HEX.
	06	101.06 SFB 13-90	101.06 SFF 13-90	BSP 1/4	19	46	17
		101.06 SNB 13-90	101.06 SNF 13-90	NPT 1/4	19	46	17
	09	101.09 SFB 17-90	101.09 SFF 17-90	BSP 3/8	24.5	53	22
		101.09 SNB 17-90	101.09 SNF 17-90	NPT 3/8	24.5	53	22
	10	101.10 SFB 17-90	101.10 SFF 17-90	BSP 3/8	24.5	53	22
		101.10 SNB 17-90	101.10 SNF 17-90	NPT 3/8	24.5	53	22
	12	101.12 SFB 21-90	101.12 SFF 21-90	BSP 1/2	30	81.5	27.5
		101.12 SNB 21-90	101.12 SNF 21-90	NPT 1/2	30	87	33
	16	101.16 SFB 26-90	101.16 SFF 26-90	BSP 3/4	37.5	90	35
		-	101.16 SFF 26x55-90	BSP 3/4	37.5	55	35
101.16 SNB 26-90		101.16 SNF 26-90	NPT 3/4	37.5	90	35	



Cylindrical male thread socket / Kupplung mit zylindrischem Aussengewinde




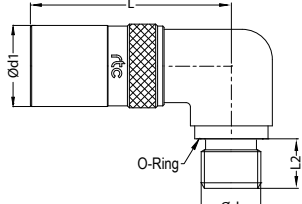
TYPE 101 **rtc**

Socket / Kupplung	Size / Größe	Order No / Bestellnr.  	Order No / Bestellnr. 	Ød	Ød1	L	L1	HEX.
	6	101.06 SOB 13	101.06 SOF 13	BSP 1/4	19	46	10	17
	9	101.09 SOB 17	101.09 SOF 17	BSP 3/8	24.5	53	11	22
	10	101.10 SOB 17	101.10 SOF 17	BSP 3/8	24.5	53	11	22
	12	101.12 SOB 21	101.12 SOF 21	BSP 1/2	30	67	14	27
	16	101.16 SOB 26	101.16 SOF 26	BSP 3/4	37.5	90.5	14	35



Male thread socket 90° / Kupplung mit Aussengewinde 90°

TYPE 101 **rtc**

Socket / Kupplung	Size / Größe	Order No / Bestellnr.  	Order No / Bestellnr. 	Ød	Ød1	L	L1	L2
	6	101.06 SOB 13-90	101.06 SOF 13-90	BSP 1/4	19	46	34	9
	9	101.09 SOB 17-90	101.09 SOF 17-90	BSP 3/8	24.5	53	40	10
	10	101.10 SOB 17-90	101.10 SOF 17-90	BSP 3/8	24.5	53	40	10
	12	101.12 SOB 21-90	101.12 SOF 21-90	BSP 1/2	30	67	47	12
	16	101.16 SOB 26-90	101.16 SOF 26-90	BSP 3/4	37.5	114	53	19

**rtc** TYPE 101

Cylindrical male thread plug / Nippel mit zylindrischem Aussengewinde



Plugs / Nippel	Size / Größe	Order No / Bestellnr. →←	Ød	L	L1	HEX.
	06	101.06 PMF 13	BSP 1/4	33	9	14
		101.06 PMF 17	BSP 3/8	34	10	19
	09	101.09 PMF 13	BSP 1/4	35	10	15
		101.09 PMF 17	BSP 3/8	37	12	19
		101.09 PMF 21	BSP 1/2	37	12	22
	10	101.10 PMF 17	BSP 3/8	37	12	19
		101.10 PMF 21	BSP 1/2	37	12	22
	12	101.12 PMF 21	BSP 1/2	42	12	24
		101.12 PMF 26	BSP 3/4	46	16	27
	16	101.16 PMF 26	BSP 3/4	62	16	27
		101.16 PMF 33	BSP 1	60	22	32
		101.16 PMF 2415	M24x1.5	56	18	30

**rtc** TYPE 101

Conical male thread plug / Nippel mit konischem Aussengewinde



Plugs / Nippel	Size / Größe	Order No / Bestellnr. →←	Ød	L	L1	Inner HEX.	Outer HEX.
	06	101.06 PRF 10	BSPT 1/8	30	9	5	-
		101.06 PRF 13	BSPT 1/4	31	13	5	-
	09	101.09 PRF 13	BSPT 1/4	34	10	8	-
		101.09 PRF 17	BSPT 3/8	36	13	8	-
		101.09 PRF 21	BSPT 1/2	42	17	-	22
		101.09 PTF 13	NPT 1/4	37	13	8	-
		101.09 PTF 17	NPT 3/8	38	13	8	-
	10	101.10 PRF 17	BSPT 3/8	36	13	8	-
	12	101.12 PRF 17	BSPT 3/8	39	13	10	-
		101.12 PRF 21	BSPT 1/2	45	16	-	22
		101.12 PTF 17	NPT 3/8	39	14	10	-
		101.12 PTF 21	NPT 1/2	45	16	-	22
	16	101.16 PRF 26	BSPT 3/4	63	17	-	27
		101.16 PTF 26	NPT 3/4	62	19	-	27

**rtc** TYPE 101

Push to connect hose tail plug / Nippel mit gerader Schnellsteck - Schlauchfülle



Plugs / Nippel	Size / Größe	Order No / Bestellnr. →←	Ød	L	L1
	6	101.06 PPF 10	10 mm	45	24
	9	101.09 PPF 10	10 mm	46	24
	9	101.09 PPF 13	13 mm	50	28
	10	101.10 PPF 10	10 mm	46	24
	10	101.10 PPF 13	13 mm	50	28
	12	101.12 PPF 13	13 mm	57	28
	12	101.12 PPF 16	16 mm	67	38
	16	101.16 PPF 16	16 mm	73	38
	16	101.16 PPF 19	19 mm	73	38

**rtc** TYPE 101

Standard hose tail plug / Nippel mit gerader Standard - Schlauchfülle



Plugs / Nippel	Size / Größe	Order No / Bestellnr. →←	Ød	L	L1
	6	101.06 PHF 08	8 mm	44	23
	6	101.06 PHF 10	10 mm	44	23
	9	101.09 PHF 12	12 mm	50	28
	10	101.10 PHF 12	12 mm	50	28
	12	101.12 PHF 12	12 mm	55	28
	12	101.12 PHF 16	16 mm	55	28
	16	101.16 PHF 19	19 mm	62	28



Male thread plug with valve for manifold plates / Verschlussnippel mit Innengewinde für die multi-coupling platten

TYPE 101



Plugs / Nippel	Size / Größe	Order No / Bestellnr. 	Ød	L	L1	HEX.
	06	101.06 PMB 17	BSP 3/8	35.5	10	19
	09	101.09 PMB 21	BSP 1/2	37	12	22
	10	101.10 PMB 21	BSP 1/2	37	12	22
	12	101.12 PMB 26	BSP 3/4	46	16	27
	16	101.16 PMB 33	BSP 1	60	22	32



Male thread plug with valve / Verschlussnippel mit Aussengewinde

TYPE 101



Plugs / Nippel	Size / Größe	Order No / Bestellnr. 	Ød	L	L1	HEX.
	06	101.06 PRB 13	BSPT 1/4	45	12	17
		101.06 PTB 13	NPT 1/4	46	13	17
	09	101.09 PRB 13	BSPT 1/4	50	12	19
		101.09 PRB 17	BSPT 3/8	48	12	19
		101.09 PRB 21	BSPT 1/2	51	17	22
		101.09 PTB 13	NPT 1/4	52	13	19
		101.09 PTB 17	NPT 3/8	48	12	19
		101.09 PTB 21	NPT 1/2	52	13	19
	10	101.09 PMB 17	BSP 3/8	48	10	20
		101.09 PMB 21	BSP 1/2	48	12	24
		101.10 PRB 17	BSPT 3/8	48	12	19
	12	101.09 PTB 17	NPT 3/8	48	10	19
		101.09 PMB 17	BSP 3/8	48	12	20
		101.12 PRB 17	BSPT 3/8	59	12	24
		101.12 PRB 21	BSPT 1/2	63	16	24
		101.12 PTB 17	NPT 3/8	59	13	22
		101.12 PTB 21	NPT 1/2	62	16	24
	16	101.12 PMB 17	BSP 3/8	60	11	24
		101.12 PMB 21	BSP 1/2	60	12	24
		101.16 PRB 26	BSPT 3/4	81	19	32
101.16 PTB 26		NPT 3/4	81	19	32	
		101.16 PMB 26	BSP 3/4	81	14	32
		101.16 PMB 42	BSP 1-1/4	81	19	45



Cylindrical male thread shut-off plug with sealing O-Ring / Verschlussnippel mit zylindrischem Aussengewinde und O-Ring

TYPE 101



Plugs / Nippel	Size / Größe	Order No / Bestellnr. 	Ød	L	L1	HEX.
	06	101.06 POB 10	BSP 1/8	43	7	17
		101.06 POB 13	BSP 1/4	45	9	17
	09	101.09 POB 13	BSP 1/4	48	9	19
		101.09 POB 17	BSP 3/8	47	9	20
		101.09 POB 21	BSP 1/2	48	12	24
	10	101.10 POB 13	BSP 1/4	48	9	19
		101.10 POB 17	BSP 3/8	47	9	20
	12	101.12 POB 17	BSP 3/8	60	11	24
		101.12 POB 21	BSP 1/2	60	12	24
		101.12 POB 26	BSP 3/4	59	14	32
	16	101.16 POB 26	BSP 3/4	81	14	32

**rtc** TYPE 101

Female thread plug / Nippel mit Innengewinde



Plugs / Nippel	Size / Größe	Order No / Bestellnr. →←	Ød	L	HEX.
	06	101.06 PFF 13	BSP 1/4	34	17
		101.06 PNF 13	NPT 1/4	36	17
	09	101.09 PFF 13	BSP 1/4	37	21
		101.09 PFF 17	BSP 3/8	37	21
		101.09 PNF 13	NPT 1/4	37	21
		101.09 PNF 17	NPT 3/8	37	21
	10	101.10 PFF 17	BSP 3/8	37	21
		101.10 PNF 17	NPT 3/8	37	21
	12	101.12 PFF 17	BSP 3/8	39	21
		101.12 PFF 21	BSP 1/2	45	27
		101.12 PNF 21	NPT 1/2	47	27
	16	101.16 PFF 26	BSP 3/4	61	32
101.16 PNF 26		NPT 3/4	61	32	

**rtc** TYPE 101

Female thread plug with valve / Verschlussnippel mit Innengewinde



Plugs / Nippel	Size / Größe	Order No / Bestellnr. →←	Ød	L	HEX.
	06	101.06 PFB 13	BSP 1/4	47	17
		101.06 PNB 13	NPT 1/4	47	17
	09	101.09 PFB 13	BSP 1/4	49	19
		101.09 PFB 17	BSP 3/8	49	21
		101.09 PNB 13	NPT 1/4	49	19
		101.09 PNB 17	NPT 3/8	49	21
	10	101.10 PFB 17	BSP 3/8	49	21
		101.10 PNB 17	NPT 3/8	49	21
	12	101.12 PFB 21	BSP 1/2	63	27
		101.12 PNB 21	NPT 1/2	65	27
	16	101.16 PFB 26	BSP 3/4	81	32
		101.16 PNB 26	NPT 3/4	81	32

**rtc** TYPE 101

Cylindrical female thread socket / Kupplung mit Innengewinde zylindrisch



Socket / Kupplungen	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	L	HEX.
	20	101.20 SFB 26	BSP 3/4	54	119	41
		101.20 SFB 33	BSP 1	54	120	41
		101.20 SNB 33	NPT 1	54	120	41
	25	101.25 SFB 33	BSP 1	60	142	50
		101.25 SFB 42	BSP 1-1/4	60	142	50
		101.25 SNB 33	NPT 1	60	142	50
		101.25 SNB 42	NPT 1-1/4	60	142	50
	38	101.38 SFB 48	BSP 1-1/2	81	151	60
		101.38 SFB 60	BSP 2	81	155	70

**rtc** TYPE 101

Cylindrical male thread socket with o-ring / Kupplung mit Aussengewinde zylindrisch mit o-ring



Socket / Kupplungen	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	L	L1	HEX.
	20	101.20 SOB 26	BSP 3/4	54	130	16	41
		101.20 SOB 33	BSP 1	54	131	17	41
	25	101.25 SOB 33	BSP 1	60	142	19	50
		101.25 SOB 42	BSP 1-1/4	60	142	19	50
	38	101.38 SOB 48	BSP 1-1/2	75	164	22	70
		101.38 SOB 60	BSP 2	75	164	22	70





Conical male thread socket / Kupplung mit Aussengewinde konisch

TYPE 101 **rtc**

Socket / Kuplungen	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	L	L1	HEX.
	20	101.20 STB 33	NPT 1	54	136	22	42
	25	101.25 STB 42	NPT 1-1/4	60	144	22	50
	38	101.38 STB 48	NPT 1-1/2	75	164	24	70
	38	101.38 STB 60	NPT 2	75	166	26	70



Cylindrical female thread plug with valve / Verschlussnippel mit Innengewinde zylindrisch

TYPE 101 **rtc**

Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	L	HEX.
	20	101.20 PFB 26	BSP 3/4	29.5	126	41
		101.20 PFB 33	BSP 1	29.5	127	41
		101.20 PNB 26	NPT 3/4	29.5	126	41
		101.20 PNB 33	NPT 1	29.5	127	41
	25	101.25 PFB 33	BSP 1	34.5	149	50
		101.25 PFB 42	BSP 1-1/4	34.5	149	50
		101.25 PNB 33	NPT 1	34.5	149	50
		101.25 PNB 42	NPT 1-1/4	34.5	149	50
	38	101.38 PFB 48	BSP 1-1/2	46.5	158	60
		101.38 PFB 60	BSP 2	46.5	160	70



Cylindrical male thread plug with valve / Verschlussnippel mit Aussengewinde zylindrisch

TYPE 101 **rtc**

Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	L	L1	HEX.
	20	101.20 POB 26	BSP 3/4	29.5	138	16	41
		101.20 POB 33	BSP 1	29.5	139	17	41
	25	101.25 POB 33	BSP 1	34.5	150	19	50
		101.25 POB 42	BSP 1-1/4	34.5	150	19	50
		101.25 POB 48	BSP 1-1/2	34.5	153	22	55



Conical male thread plug with valve / Verschlussnippel mit Aussengewinde konisch

TYPE 101 **rtc**

Plugs / Nippel	Size / Größe	Order No / Bestellnr. With valve / mit Ventil	Ød	Ød1	L	L1	HEX.
	20	101.20 PTB 33	NPT 1	29.5	146	24	42
	25	101.25 PTB 48	NPT 1-1/2	34.5	156	24	50



Cylindrical female thread plug / Nippel mit Innengewinde zylindrisch

TYPE 101 **rtc**

Plugs / Nippel	Size / Größe	Order No / Bestellnr. Without valve / ohne Ventil	Ød	Ød1	L	HEX.
	20	101.20 PFF 33	BSP 1	29.5	92	41
	25	101.25 PFF 33	BSP 1	34.5	100	41
	25	101.25 PFF 42	BSP 1-1/4	34.5	108	50
	25	101.25 PFF 48	BSP 1-1/2	34.5	108	55