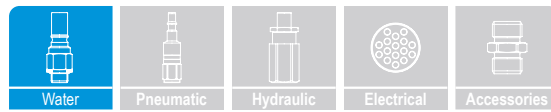




rtc[®]

COUPLING TECHNOLOGY



100

rtc TYPE





French Profile

Temperature Range - Temperaturbereich

-20°C +100°C (-4°F +212°F) Nitrile (N)
-10°C +180°C (+14°F +356°F) FPM (V)

Working Pressure - Betriebsdruck

rtc 100.06 10 bar (145 PSI)
rtc 100.08 10 bar (145 PSI)
rtc 100.12 10 bar (145 PSI)

Flow size - Nennweiten

rtc 100.06 6 mm
rtc 100.08 8 mm
rtc 100.12 13 mm

Standard version - Standardversion

Socket Body- Steckersgrundkörper	Brass Nickel Plated - Messing vernickelt
Sleeve - Hülse	Brass Nickel Plated - Messing vernickelt
Springs - Federn	Stainless Steel - Edelstahl
Locking Ring- Sprenging	Stainless Steel - Edelstahl
Balls - Kugeln	Stainless Steel - Edelstahl
Seals - Dichtungen	Nitrile
Plug - Buchse	Brass Nickel Plated - Messing vernickelt

Options - Optionen

Colour Rings **RED** / **BLUE**
Farbringe **ROT** / **BLAU**

Using Area

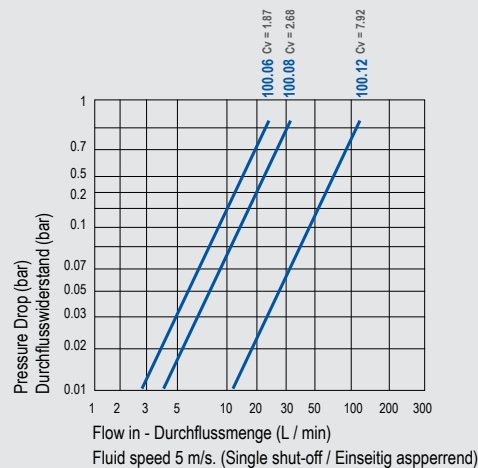
- On temperature regulation applications with hot or cold water, oil etc.
- Injection moulding industries.
- On steam line.

Anwendungsbereiche

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

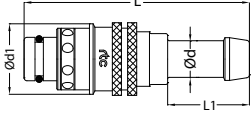


Flow Rate vs Pressure Drop Graph / Durchflussrate vs Druckabfall

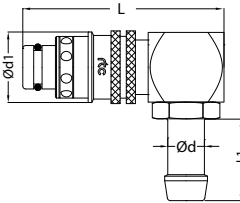


100
rtc TYPE

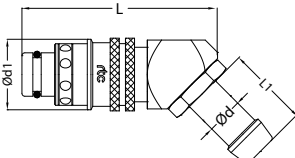
rtc TYPE 100 Standard hose tail plug / Stecker mit Schlauchtülle

Plug / Stecker	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1
	06	100.06 PHF 06	6 mm	17	55	23
		100.06 PHF 08	8 mm	17	55	23
	08	100.08 PHF 06	6 mm	20	57	23
		100.08 PHF 08	8 mm	20	62	23
		100.08 PHF 10	10 mm	20	62	23
		100.08 PHF 12	12 mm	20	66	23
		100.08 PHF 13	13 mm	20	62	23
	12	100.12 PHF 13	13 mm	28	76	33
		100.12 PHF 16	16 mm	28	76	33
		100.12 PHF 19	19 mm	28	76	33

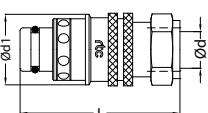
rtc TYPE 100 Standard hose tail plug 90° / Stecker mit 90° Schlauchtülle

Plug / Stecker	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1
	08	100.08 PHF 06-90	6 mm	20	54.5	23
		100.08 PHF 08-90	8 mm	20	54.5	23
		100.08 PHF 10-90	10 mm	20	54.5	23
		100.08 PHF 12-90	12 mm	20	54.5	23
		100.08 PHF 13-90	13 mm	20	54.5	23
	12	100.12 PHF 13-90	13 mm	28	64	33
		100.12 PHF 16-90	16 mm	28	64	33
		100.12 PHF 19-90	19 mm	28	64	33

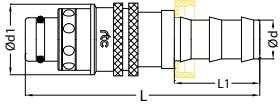
rtc TYPE 100 Standard hose tail plug 45° / Stecker mit Schlauchtülle 45°

Plug / Stecker	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1
	08	100.08 PHF 06-45	6 mm	20	54.5	23
		100.08 PHF 08-45	8 mm	20	54.5	23
		100.08 PHF 10-45	10 mm	20	54.5	23
		100.08 PHF 12-45	12 mm	20	54.5	23
		100.08 PHF 13-45	13 mm	20	54.5	23
	12	100.12 PHF 13-45	13 mm	28	64	33
		100.12 PHF 16-45	16 mm	28	64	33
		100.12 PHF 19-45	19 mm	28	64	33

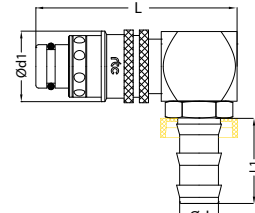
rtc TYPE 100 Female thread plug / Stecker mit Innengewinde

Plug / Stecker	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	HEX
	08	100.08 PFF 13	BSP 1/4	20	44	17
		100.08 PNF 13	NPT 1/4	20	50	17
		100.08 PFF 17	BSP 3/8	20	52	19
		100.08 PNF 17	NPT 3/8	20	52	19
	12	100.12 PFF 17	BSP 3/8	28	60	22
		100.12 PFF 21	BSP 1/2	28	60	24
		100.12 PNF 21	NPT 1/2	28	62	24

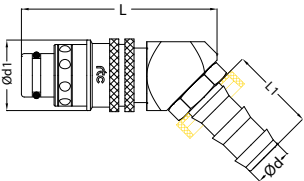
Push to connect hose tail plug / Stecker mit Schnellsteck - Schlauchtülle TYPE 100 **rtc**

Plug / Stecker	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1
	08	100.08 PPF 10	10 mm	20	62	24
		100.08 PPF 13	13 mm	20	69	28
	12	100.12 PPF 13	13 mm	28	73	28
		100.12 PPF 16	16 mm	28	82	38

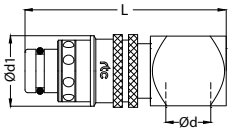
Push to connect hose tail plug 90° / Stecker mit Schnellsteck - Schlauchtülle 90° TYPE 100 **rtc**

Plug / Stecker	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L
	08	100.08 PPF 10-90	10 mm	20	54.5	24
		100.08 PPF 13-90	13 mm	20	54.5	28
	12	100.12 PPF 13-90	13 mm	28	64	28
		100.12 PPF 16-90	16 mm	28	64	38

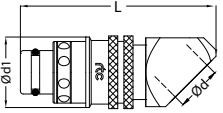
Push to connect hose tail plug 45° / Stecker mit Schnellsteck - Schlauchtülle 45° TYPE 100 **rtc**

Plug / Stecker	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L
	08	100.08 PPF 10-45	10 mm	20	54.5	24
		100.08 PPF 13-45	13 mm	20	54.5	28
	12	100.12 PPF 13-45	13 mm	28	64	28
		100.12 PPF 16-45	16 mm	28	64	38

Female thread plug 90° / Stecker mit Innengewinde 90° TYPE 100 **rtc**

Plug / Stecker	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L
	08	100.08 PFF 13-90	BSP 1/4	20	54.5
		100.08 PNF 13-90	NPT 1/4	20	54.5
	12	100.12 PFF 17-90	BSP 3/8	28	64
		100.12 PFF 21-90	BSP 1/2	28	64
		100.12 PNF 21-90	NPT 1/2	28	64

Female thread plug 45° / Stecker mit Innengewinde 45° TYPE 100 **rtc**

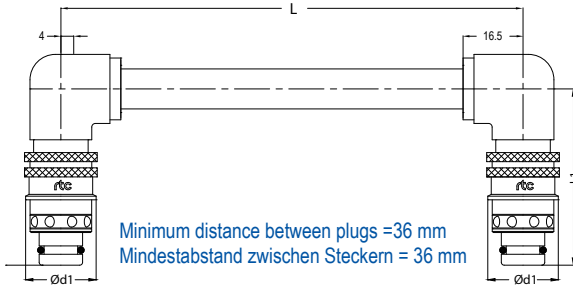
Plug / Stecker	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L
	08	100.08 PFF 13-45	BSP 1/4	20	54.5
		100.08 PNF 13-45	NPT 1/4	20	54.5
	12	100.12 PFF 21-45	BSP 1/2	28	64
		100.12 PNF 21-45	NPT 1/2	28	64

rtc TYPE 100

Cascade connector / UmlenkBuchse

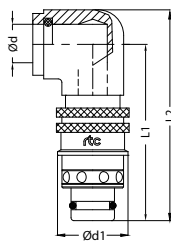


Plug / Stecker

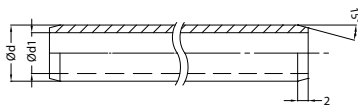


Minimum distance between plugs = 36 mm
Mindestabstand zwischen Steckern = 36 mm

Size Größe	Order No / Bestellnr. Without Valve / Ohne Ventil	Ød	Ød1	L	L1
08	100.08 PCF 125	11x1.5	20	125	54
	100.08 PCF 250	11x1.5	20	250	54
	100.08 PCF 500	11x1.5	20	500	54



Size Größe	Order No / Bestellnr. Without Valve / Ohne Ventil	Ød	Ød1	L1	L2
08	100.08 PCF 00	11x1.5	20	54	64



Pipe preparation / Verbindungsrohr

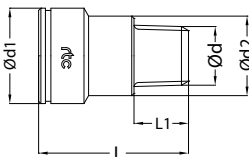
Brass Tube Messing Rohr	Ød	Ød1	Length Länge
TBM 1115x1000	11	8	1000mm

rtc TYPE 100

Male thread socket / Buchse mit Aussengewinde

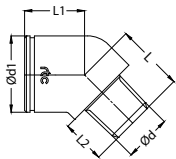


Socket / Buchse



Size / Größe	Order No / Bestellnr.	Ød	Ød1	Ød2	L	L1	INNER HEX.
06	100.06 SRF 10	BSPT 1/8	17	14	28.5	10	6
	100.06 SRF 13	BSPT 1/4	17	14	28.5	11	6
	100.06 STF 10	NPT 1/8	17	14	28.5	10	1/4"
	100.06 STF 13	NPT 1/4	17	14	28.5	11	1/4"
	100.06 SMF 1010	M10x1.0	17	14	28.5	10	6
08	100.08 SRF 10	BSPT 1/8	21	17.5	31	10	6
	100.08 SRF 13	BSPT 1/4	21	17.5	33	12	8
	100.08 SRF 17	BSPT 3/8	21	-	24	13	8
	100.08 SRF 21	BSPT 1/2	21	-	28	16	8
	100.08 STF 10	NPT 1/8	21	17.5	32	22	1/4"
	100.08 STF 13	NPT 1/4	21	17.5	33	21	5/16"
	100.08 STF 17	NPT 3/8	21	-	24	13	5/16"
	100.08 SMF 1010	M10x1.0	21	17.5	31	10	6
	100.08 SMF 1015	M10x1.5	21	17.5	31	10	6
100.08 SMF 1415	M14x1.5	21	17.5	31	10	8	
12	100.12 SRF 17	BSPT 3/8	32	25	41	13	10
	100.12 SRF 21	BSPT 1/2	32	25	44	16	14
	100.12 SRF 26	BSPT 3/4	32	-	32	19	14
	100.12 STF 17	NPT 3/8	32	25	41	10	3/8"
	100.12 STF 21	NPT 1/2	32	25	44	16	9/16"
	100.12 STF 26	NPT 3/4	32	-	32	19	9/16"

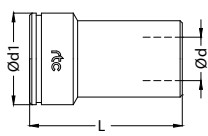
Male thread socket 45° / Buchse mit Aussengewinde 45° TYPE 100 

Socket / Buchse	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	L2	HEX.
	08	100.08 SRF 10-45	BSPT 1/8	21	16.5	18.5	10	19
		100.08 SRF 13-45	BSPT 1/4	21	16.5	18.5	12	19
		100.08 SRF 17-45	BSPT 3/8	21	16.5	18.5	12	19

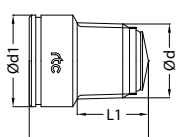
Male thread socket 90° / Buchse mit Aussengewinde 90° TYPE 100 

Socket / Buchse	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1	L2	HEX.
	08	100.08 SRF 10-90	BSPT 1/8	21	23	22	10	19
		100.08 SRF 13-90	BSPT 1/4	21	25	22	12	19
		100.08 SRF 17-90	BSPT 3/8	21	25	22	13	19
		100.08 STF 10-90	NPT 1/8	21	23	22	10	19
		100.08 STF 13-90	NPT 1/4	21	25	22	12	19
		100.08 STF 17-90	NPT 3/8	21	25	22	13	19



Female thread sockets / Buchse mit Innengewinde TYPE 100 

Socket / Buchse	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	INNER HEX.
	06	100.06 SFF 10	BSP 1/8	17	32	6
		100.06 SNF 10	NPT 1/8	17	33	1/4"
	08	100.08 SFF 10	BSP 1/8	21	35	6
		100.08 SFF 13	BSP 1/4	21	39	8
		100.08 SNF 10	NPT 1/8	21	35	1/4"
		100.08 SNF 13	NPT 1/4	21	39	5/16"
	12	100.12 SFF 17	BSP 3/8	32	49	12
		100.12 SFF 21	BSP 1/2	32	50	12
		100.12 SNF 21	NPT 1/2	32	50	1/2"

Male threaded socket with valve / Buchse mit Aussengewinde und Ventil TYPE 100 

Socket / Buchse	Size / Größe	Order No / Bestellnr.	Ød	Ød1	L	L1
	08	100.08 SRB 13	BSPT 1/4	21	36	12
		100.08 SRB 17	BSPT 3/8	21	26	13
		100.08 STB 17	NPT 3/8	21	26	13

Colour Ring / Farbringe TYPE 100 

Colour Ring / Farbringe	Size / Größe	Order No / Bestellnr. Red / Rot	Order No / Bestellnr. Blue / Blau	Description
	06	100.06 SC-R	100.06 SC-B	Socket Colour Ring
	08	100.08 SC-R	100.08 SC-B	Socket Colour Ring
	12	100.12 SC-R	100.12 SC-B	Socket Colour Ring
	06	100.06 PC-R	100.06 PC-B	Plug Colour Ring
	08	100.08 PC-R	100.08 PC-B	Plug Colour Ring
	12	100.12 PC-R	100.12 PC-B	Plug Colour Ring

rtc TYPE 100

Socket extension without thread / Stecker Verlängerung ohne Gewinde



Socket / Buchse	Size / Größe	Order No / Bestellnr.	Connection Anschluss (Ød)	Ød1	Ød2	Ød3	L Min-Max.	L1	INNER HEX.	
	06	100.06 SEF 10-100	1/8	17	18.5	11	33-100	20	6	
		08	100.08 SEF 10-100	1/8	21	22.5	11	33-100	23	6
			100.08 SEF 10-150	1/8	21	22.5	11	100-150	23	6
	100.08 SEF 10-200		1/8	21	22.5	11	150-200	23	6	
	100.08 SEF 10-250		1/8	21	22.5	11	200-250	23	6	
	100.08 SEF 13-100		1/4	21	22.5	14	34-100	23	8	
	100.08 SEF 13-150		1/4	21	22.5	14	100-150	23	8	
	100.08 SEF 13-200		1/4	21	22.5	14	150-200	23	8	
	100.08 SEF 13-250	1/4	21	22.5	14	200-250	23	8		
	12	100.12 SEF 17-150	3/8	32	33.5	18	59-150	43	14	
		100.12 SEF 17-200	3/8	32	33.5	18	150-200	43	14	
		100.12 SEF 17-250	3/8	32	33.5	18	200-250	43	14	
		100.12 SEF 21-150	1/2	32	33.5	22	59-150	45	14	
		100.12 SEF 21-200	1/2	32	33.5	22	150-200	45	14	
100.12 SEF 21-250	1/2	32	33.5	22	200-250	45	14			

rtc TYPE 100

Socket extension with male thread / Stecker Verlängerung mit Aussengewinde



Socket / Buchse	Size / Größe	Order No / Bestellnr.	Ød Thread Size	Ød1	Ød2	Ød3	L Min-Max.	L1	L2	INNER HEX.
	08	100.08 SMF 10-50	BSP 1/8	21	22.5	11	35-50	26	21	6
		100.08 SMF 10-100	BSP 1/8	21	22.5	11	50-100	60	21	6
		100.08 SMF 10-150	BSP 1/8	21	22.5	11	100-150	60	21	6
	08	100.08 SMF 13- 50	BSP 1/4	21	22.5	14	39-50	27	21	8
		100.08 SMF 13-100	BSP 1/4	21	22.5	14	55-100	60	21	8
		100.08 SMF 13-150	BSP 1/4	21	22.5	14	105-150	60	21	8
		100.08 SMF 13-200	BSP 1/4	21	22.5	14	155-200	60	21	8

rtc TYPE 100

Socket extension with male thread / Stecker Verlängerung mit Aussengewinde

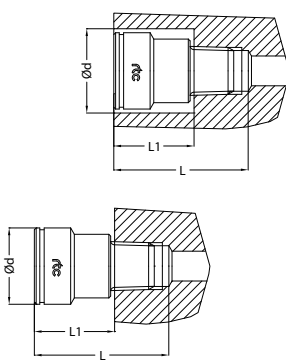


Socket / Buchse	Size / Größe	Order No / Bestellnr.	Ød Thread Size	Ød1	Ød2	Ød3	L Min-Max.	L1	L2	INNER HEX.
	08	100.08 SRF 10-100	BSP 1/8	21	22.5	11	50-100	9	21	6
		100.08 SRF 10-150	BSP 1/8	21	22.5	11	100-150	9	21	6
		100.08 SRF 10-200	BSP 1/8	21	22.5	11	150-200	9	21	6
		100.08 SRF 10-250	BSP 1/8	21	22.5	11	200-250	9	21	6
	08	100.08 SRF 13-100	BSP 1/4	21	22.5	14	50-100	12	21	8
		100.08 SRF 13-150	BSP 1/4	21	22.5	14	100-150	12	21	8
		100.08 SRF 13-200	BSP 1/4	21	22.5	14	150-200	12	21	8
		100.08 SRF 13-250	BSP 1/4	21	22.5	14	200-250	12	21	8

rtc TYPE 100

Assembling dimensions of the flush socket in the mold / Einbaumaß für den versenkten Einbau




Socket / Buchse	Size / Größe	Connection Anschluss	Ød min	L	L1	Torque (Nm)	INNER HEX.
	06	BSP 1/8	18.5	31	20	15	6
		BSP 1/4	18.5	31	19	30	6
		NPT 1/8	18.5	31	20	15	1/4"
		NPT 1/4	18.5	31	19	30	1/4"
	08	BSP 1/8	22.5	33	22	15	6
		BSP 1/4	22.5	35	21	30	8
		BSP 3/8	22.5	25	12	30	8
		NPT 1/8	22.5	33	22	15	1/4"
		NPT 1/4	22.5	35	21	30	5/16"
		NPT 3/8	22.5	25	12	30	5/16"
	12	BSP 3/8	33.5	43	29	50	10
		BSP 1/2	33.5	46	29	50	14
BSP 3/4		33.5	34	15	50	14	
NPT 3/8		33.5	43	29	50	3/8"	
NPT 1/2		33.5	46	29	50	9/16"	
NPT 3/4		33.5	34	15	50	9/16"	

Replacement O-Ring / Ersatz O-Ring

TYPE 100



Seals / O-Ringe	Size / Größe	Order No / Bestellnr.	Description	Material	Working Temp.
	06	SS 100.06 PN	Plug Seal Set	NBR - Nitrile	-20°C +100°C / -4°F +212°F
	08	SS 100.08 PN	Plug Seal Set	NBR - Nitrile	-20°C +100°C / -4°F +212°F
	12	SS 100.12 PN	Plug Seal Set	NBR - Nitrile	-20°C +100°C / -4°F +212°F
	06	SS 100.06 SN	Socket Seal Set	NBR - Nitrile	-20°C +100°C / -4°F +212°F
	08	SS 100.08 SN	Socket Seal Set	NBR - Nitrile	-20°C +100°C / -4°F +212°F
	12	SS 100.12 SN	Socket Seal Set	NBR - Nitrile	-20°C +100°C / -4°F +212°F
	06	SS 100.06 PV	Plug Seal Set	FPM - Viton	-10°C +180°C / +14°F +356°F
	08	SS 100.08 PV	Plug Seal Set	FPM - Viton	-10°C +180°C / +14°F +356°F
	12	SS 100.12 PV	Plug Seal Set	FPM - Viton	-10°C +180°C / +14°F +356°F
	06	SS 100.06 SV	Socket Seal Set	FPM - Viton	-10°C +180°C / +14°F +356°F
	08	SS 100.08 SV	Socket Seal Set	FPM - Viton	-10°C +180°C / +14°F +356°F
	12	SS 100.12 SV	Socket Seal Set	FPM - Viton	-10°C +180°C / +14°F +356°F