



# rtc<sup>®</sup>

COUPLING TECHNOLOGY



# 124

rtc TYPE



Temperature Range

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

Max. Working Pressure

rtc 124.06 450 bar (6525 PSI)  
rtc 124.08 450 bar (6525 PSI)  
rtc 124.09 350 bar (5075 PSI)  
rtc 124.12 350 bar (5075 PSI)  
rtc 124.16 350 bar (5075 PSI)

Flow size

rtc 124.06 6 mm  
rtc 124.08 8 mm  
rtc 124.09 9 mm  
rtc 124.12 12 mm  
rtc 124.16 16 mm

Material

Socket Body- Stainless Ssteel  
Back part Sleeve Hardened stainless steel teter  
Valve Springs Stainless steel  
Seal FPM (V)  
Balls Stainless steel  
Plug Hardened stainless steel  
Back part Hardened Steel zinc nickel plated

Colour Coding

N - Colourless  
R - Red  
B - Blue  
Y - Yellow  
G - Green  
S - Black

Options

N NBR Seal  
P Pressure release valf  
PK Dust protection cover

Applications

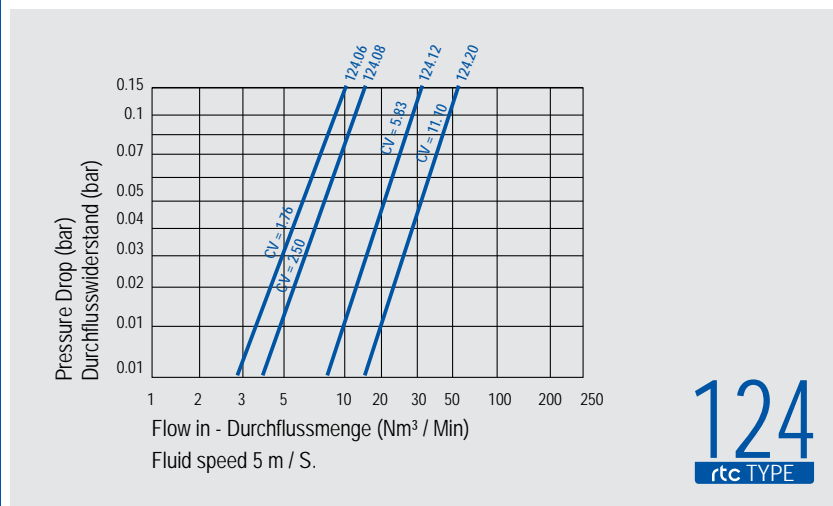
High pressure hydraulic circuits  
Connection of hydraulic pumps, valves and quick tool chang  
Aluminium die casting  
Test units  
Plastic industry / core pulling  
Steel industry

Specification

Automatically one hand connection - disconnection  
Flat face  
Non spill  
Ball locking type  
For High pressure  
High flow



Flow Rate vs Pressure Drop Graph

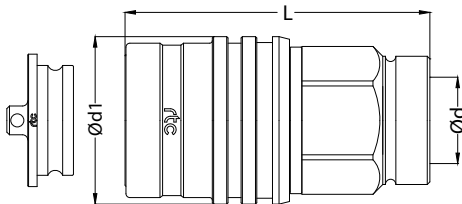


124  
rtc TYPE

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Cylindrical female thread socket / Kupplung mit Innengewinde zylindrisch

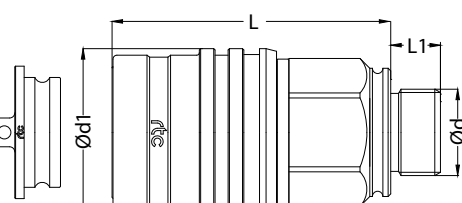


Socket	Size	Connection	Order No	Ød1 (mm)	L (mm)	HEX.
	06	BSP 3/8	124.06 SFB 17	39	77	27
	06	NPT 3/8	124.06 SNB 17	39	75	27
	06	UNF 9/16-18	124.06 SUB 1418	39	77	27
	08	BSP 1/2	124.08 SFB 21	42	90	32
	08	NPT 1/2	124.08 SNB 21	42	87	32
	08	UNF 3/4-16	124.08 SUB 1916	42	87	32
	12	BSP 3/4	124.12 SFB 26	54	103	41
	12	NPT 3/4	124.12 SNB 26	54	99	41
	12	UNF 1.1/16-12	124.12 SUB 2712	54	104	41
	16	BSP 3/4	124.16 SFB 26	64	116	50
	16	NPT 3/4	124.16 SNB 26	64	113	50
	16	UNF 1.5/16-12	124.16 SUB 3312	64	118	50

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Cylindrical male thread socket / Kupplung mit Aussengewinde zylindrisch

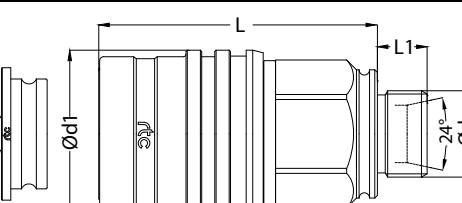


Socket	Size	Connection	Order No	Ød1 (mm)	L (mm)	L1 (mm)	HEX.
	06	BSP 3/8	124.06 SMB 17-60	39	66.5	12	27
	08	BSP 1/2	124.08 SMB 21-60	42	76.5	14	32
	12	BSP 3/4	124.12 SMB 26-60	54	90.5	16	41
	16	BSP 3/4	124.16 SMB 26-60	64	105	16	50

rtc TYPE 124

Male thread socket / Kupplung mit Aussengewinde

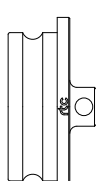


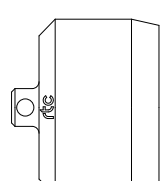
Socket	Size	Connection	Order No	Ød1 (mm)	L (mm)	L1 (mm)	HEX.
	06	M18x1.5-Ø10	124.06 SMB 1815-10	39	64	12	27
	08	M20x1.5-Ø12	124.08 SMB 2015-12	42	75	12	32
	08	M24x1.5-Ø16	124.08 SMB 2415-16	42	75	14	32
	12	M24x1.5-Ø16	124.12 SMB 2415-16	54	88	14	41
	12	M30x2.0-Ø20	124.12 SMB 3020-20	54	88	16	41
	16	M30x2.0-Ø20	124.16 SMB 3020-20	64	105	16	50
	16	M36x2.0-Ø25	124.16 SMB 3620-25	64	105	18	50

Male threaded sockets for hydraulic pipes with 24° taper according to ISO 8434-1 (type: S)

rtc TYPE 124

Dust cup for socket / Staubkappe für Kupplung

Dust cup	Size	Order No
	06	124.06 SD 00
	08	124.08 SD 00
	12	124.12 SD 00
	16	124.16 SD 00

Dust cup	Size	Order No
	06	124.06 PD 00
	08	124.08 PD 00
	12	124.12 PD 00
	16	124.16 PD 00



Cylindrical female thread plug / Nippel mit Innengewinde zylindrisch

TYPE 124 **rtc**

Plug	Size	Connection	Order No	Ød1 (mm)	L (mm)	HEX.
	06	BSP 3/8	124.06 PFB 17	30.5	62	27
	06	NPT 3/8	124.06 PNB 17	30.5	62	27
	06	UNF 9/16-18	124.06 PUB 1418	30.5	62	27
	08	BSP 1/2	124.08 PFB 21	35.5	73	32
	08	NPT 1/2	124.08 PNB 21	35.5	73	32
	08	UNF 3/4-16	124.08 PUB 1916	35.5	73	32
	12	BSP 3/4	124.12 PFB 26	46	84.5	41
	12	NPT 3/4	124.12 PNB 26	46	84.5	41
	12	UNF 1.1/16-12	124.12 PUB 2712	46	87.5	41
	16	BSP 3/4	124.16 PFB 26	56.5	94.5	50
	16	NPT 3/4	124.16 PNB 26	56.5	94.5	50
	16	UNF 1.5/16-12	124.16 PUB 3312	56.5	97.5	50



Cylindrical male thread plug / Nippel mit Aussengewinde zylindrisch

TYPE 124 **rtc**

Plug	Size	Connection	Order No	Ød1 (mm)	L (mm)	L1 (mm)	HEX.
	06	BSP 3/8	124.06 PMB 17-60	30.5	51.5	12	27
	08	BSP 1/2	124.08 PMB 21-60	35.5	59	14	32
	12	BSP 3/4	124.12 PMB 26-60	46	71.5	16	41
	16	BSP 3/4	124.16 PMB 26-60	56.5	83	16	50



Male thread plug / Nippel mit Aussengewinde

TYPE 124 **rtc**

Plug	Size	Connection	Order No	Ød1 (mm)	L (mm)	L1 (mm)	HEX.
	06	M18x1.5-Ø10	124.06 PMB 1815-10	30.5	50	12	27
	08	M20x1.5-Ø12	124.08 PMB 2015-12	35.5	58	12	32
	08	M24x1.5-Ø16	124.08 PMB 2415-16	35.5	58	14	32
	12	M24x1.5-Ø16	124.12 PMB 2415-16	46	69	14	41
	12	M30x2.0-Ø20	124.12 PMB 3020-20	46	69	16	41
	16	M30x2.0-Ø20	124.16 PMB 3020-20	56.5	83	16	50
	16	M36x2.0-Ø25	124.16 PMB 3620-25	56.5	83	18	50

Male threaded Plugs for hydraulic pipes with 24° taper according to ISO 8434-1 (type: S)

Max. Residual pressure for connection under pressure (bar)

Max. Working pressure

Coupler and Plug Kupplung und Nippel	124.06	124.08	124.12	124.16
Coupler / Kupplung	450	450	350	350
Plug / Nippel	450	450	350	350

124.06	124.08	124.12	124.16
150	150	150	150
60	90	40	60