



rtc[®]

COUPLING TECHNOLOGY
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450.11

rtc TYPE





Compatible

rtc	170.11
rtc	171.11
rtc	173.11
rtc	451.11
rtc	450.11 / SC-G

Temperature Range

Nitrile (N)	-20°C + 110°C (-4°F + 230°F)
FPM (V)	-20°C + 180°C (-4°F + 356°F)
EPDM (Ethylene Propylene)	-40°C + 150°C (-40°F + 302°F)

Working Pressure

25 Bar (360 PSI)

Connction / Disconnection Max. Pressure

15 Bar (220 PSI)

Flow size

rtc type 450.11 11mm (1/2")

Standard version

Seals - Dichtung : Nitrile (N)

Material of steel version

Socket Body - Kupplungsgrundkörper	Steel tenifer threaded Stahl teneferiert
Back Part - Hinterteil	Steel zinc nickel plated Stahl Zink-Nickel beschichtet
Sleeve -	Steel zinc nickel plated and orange painted

Hülse	Stahl Zink-Nickel beschichtet und orange lackiert
Springs - Federn	Stainless steel - Edelstahl
Seals - Dichtungen	Nitrile (N)

Plug - Nippel	Steel tenifer threaded Stahl teneferiert
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Advantages

- The system perfectly fits to the **ISO 4414, EN 983** safety requirements.
- Plug profile perfectly fits to the **ISO 6150-C-17, AFNOR C-17 NF E 49-053**
- 2 stage disconnection safety feature
- Through flow, minimum pressure loss.
- Negligible Connecting Force
- Smart and Ergonomic features
- Ease of Handling
- Optimised Size

Material of stainless steel version

Socket Body - Kupplungsgrundkörper	Stainless steel Edelstahl
Back Part - Hinterteil	Stainless steel - Edelstahl
Sleeve - Hülse	Stainless steel - Edelstahl
Springs - Federn	Stainless steel - Edelstahl
Seals - Dichtungen	FPM (V)
Plug - Nippel	Stainless steel - Edelstahl



Flow Rate vs Pressure Drop Graph

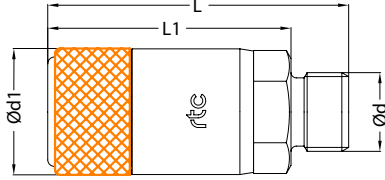


rtc TYPE 450.11

Metal sleeve socket with male thread / Kupplung mit Metallhülse und Aussengewinde



Socket / Kupplung



Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
11	R203 00 056	450.11 SMB 17	BSP 3/8	38	89.5	77.5	30
11	R203 00 058	450.11 SMB 21	BSP 1/2	38	91.5	77.5	30
11	R203 00 060	450.11 SMB 26	BSP 3/4	38	93.5	77.5	30
11	-	450.11 STB 17	NPT 3/8	38	89.5	77.5	30
11	-	450.11 STB 21	NPT 1/2	38	94.5	77.5	30
11	-	450.11 STB 26	NPT 3/4	38	96.5	77.5	30
11	R303 00 621	450.11 SMB 17-S6	BSP 3/8	38	89.5	77.5	30
11	R303 00 622	450.11 SMB 21-S6	BSP 1/2	38	91.5	77.5	30
11	R303 00 623	450.11 SMB 26-S6	BSP 3/4	38	93.5	77.5	30
11	R303 00 624	450.11 SMB 33-S6	BSP 1	38	95.5	77.5	34
11	R303 00 625	450.11 STB 17-S6	NPT 3/8	38	89.5	77.5	30
11	R303 00 626	450.11 STB 21-S6	NPT 1/2	38	94.5	77.5	30
11	R303 00 627	450.11 STB 26-S6	NPT 3/4	38	96.5	77.5	30

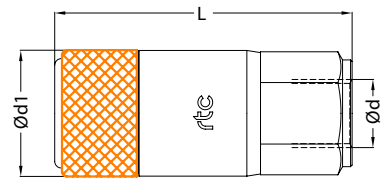
*S6: Stainless Steel / Edelstahl

rtc TYPE 450.11

Metal sleeve socket with female thread / Kupplung mit Metallhülse und Innengewinde



Socket / Kupplung



Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
11	R203 00 050	450.11 SFB 17	BSP 3/8	38	83	-	30
11	R203 00 052	450.11 SFB 21	BSP 1/2	38	83.5	-	30
11	R203 00 054	450.11 SFB 26	BSP 3/4	38	87.5	-	30
11	-	450.11 SNB 17	NPT 3/8	38	83.5	-	30
11	-	450.11 SNB 21	NPT 1/2	38	88	-	30
11	-	450.11 SNB 26	NPT 3/4	38	90	-	30
11	R303 00 615	450.11 SFB 17-S6	BSP 3/8	38	83	-	30
11	R303 00 616	450.11 SFB 21-S6	BSP 1/2	38	83.5	-	30
11	R303 00 617	450.11 SFB 26-S6	BSP 3/4	38	87.5	-	30
11	R303 00 618	450.11 SNB 17-S6	NPT 3/8	38	83.5	-	30
11	R303 00 619	450.11 SNB 21-S6	NPT 1/2	38	88	-	30
11	R303 00 620	450.11 SNB 26-S6	NPT 3/4	38	90	-	30

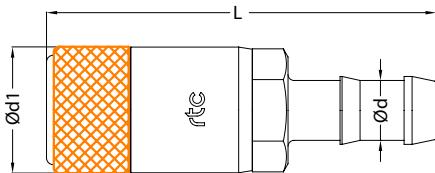
*S6: Stainless Steel / Edelstahl

rtc TYPE 450.11

Metal sleeve standard hose socket / Kupplung mit Metallhülse und Schlauchanschluss



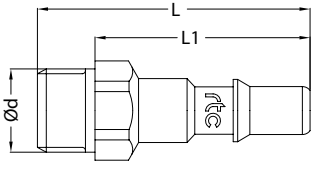
Socket / Kupplung



Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
11	R203 00 064	450.11 SHB 13	Ø13 - 1/2	38	98.5	-	-
11	R203 00 066	450.11 SHB 16	Ø16 - 5/8	38	98.5	-	-
11	R203 00 068	450.11 SHB 19	Ø19 - 3/4	38	110	-	-
11	R303 00 132	450.11 SHB 13-S6	Ø13 - 1/2	38	98.5	-	-
11	R303 00 134	450.11 SHB 16-S6	Ø16 - 5/8	38	98.5	-	-
11	R303 00 136	450.11 SHB 19-S6	Ø19 - 3/4	38	110	-	-

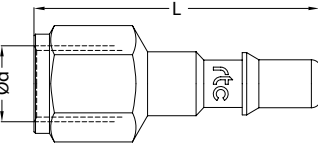
*S6: Stainless Steel / Edelstahl

Male thread plug / Nippel mit Aussengewinde TYPE 450.11 

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	11	R255 00 131	450.11 PMF 17	BSP 3/8	-	63	51	19
	11	R255 00 132	450.11 PMF 21	BSP 1/2	-	68	53	24
	11	R255 00 133	450.11 PMF 26	BSP 3/4	-	70	53	30
	11	R255 00 137	450.11 PTF 17	NPT 3/8	-	62	51	19
	11	R255 00 138	450.11 PTF 21	NPT 1/2	-	67	50	24
	11	R255 00 139	450.11 PTF 26	NPT 3/4	-	70	51	27
	11	R355 00 110	450.11 PMF 17-S6	BSP 3/8	-	63	51	19
	11	R355 00 111	450.11 PMF 21-S6	BSP 1/2	-	68	53	24
	11	R355 00 112	450.11 PMF 26-S6	BSP 3/4	-	70	53	30
	11	R355 00 116	450.11 PTF 17-S6	NPT 3/8	-	62	51	19
	11	R355 00 117	450.11 PTF 21-S6	NPT 1/2	-	67	50	24
	11	R355 00 118	450.11 PTF 26-S6	NPT 3/4	-	70	51	27

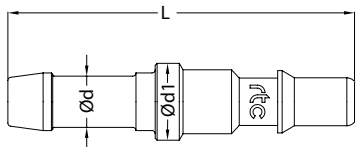
*S6: Stainless Steel / Edelstahl

Female thread plug / Nippel mit Innengewinde TYPE 450.11 

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	11	R255 00 128	450.11 PFF 17	BSP 3/8	-	62	-	22
	11	R255 00 129	450.11 PFF 21	BSP 1/2	-	66	-	27
	11	R255 00 130	450.11 PFF 26	BSP 3/4	-	69	-	32
	11	R255 00 134	450.11 PNF 17	NPT 3/8	-	62	-	22
	11	R255 00 135	450.11 PNF 21	NPT 1/2	-	67	-	27
	11	R255 00 136	450.11 PNF 26	NPT 3/4	-	69	-	32
	11	R355 00 107	450.11 PFF 17-S6	BSP 3/8	-	62	-	22
	11	R355 00 108	450.11 PFF 21-S6	BSP 1/2	-	66	-	27
	11	R355 00 109	450.11 PFF 26-S6	BSP 3/4	-	69	-	32
	11	R355 00 113	450.11 PNF 17-S6	NPT 3/8	-	62	-	22
	11	R355 00 114	450.11 PNF 21-S6	NPT 1/2	-	67	-	27
	11	R355 00 115	450.11 PNF 26-S6	NPT 3/4	-	69	-	32

*S6: Stainless Steel / Edelstahl

Standard hose plug / Nippel mit Schlauchanschluss TYPE 450.11 

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	11	R255 00 140	450.11 PHF 10	Ø10 - 3/8	19	70.5	-	-
	11	R255 00 141	450.11 PHF 13	Ø13 - 1/2	19	70.5	-	-
	11	R255 00 142	450.11 PHF 16	Ø16 - 5/8	21	72	-	-
	11	R255 00 143	450.11 PHF 19	Ø19 - 3/4	23	85	-	-
	11	R355 00 119	450.11 PHF 10-S6	Ø10 - 3/8	19	70.5	-	-
	11	R355 00 120	450.11 PHF 13-S6	Ø13 - 1/2	19	70.5	-	-
	11	R355 00 121	450.11 PHF 16-S6	Ø16 - 5/8	21	72	-	-
	11	R355 00 122	450.11 PHF 19-S6	Ø19 - 3/4	23	85	-	-

*S6: Stainless Steel / Edelstahl

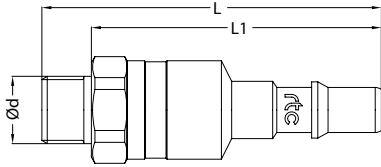
rtc TYPE 450.11

Male thread plug with valve / Verschlussnippel mit Aussengewinde



Plug / Nippel

Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
11	-	450.11 PMB 17	BSP 3/8	-	94.5	82.5	30
11	R253 00 020	450.11 PMB 21	BSP 1/2	-	95.5	82.5	30
11	-	450.11 PMB 26	BSP 3/4	-	99.5	82.5	30
11	-	450.11 PTB 17	NPT 3/8	-	94.5	82.5	30
11	-	450.11 PTB 21	NPT 1/2	-	99.5	82.5	30
11	R353 00 320	450.11 PMB 17-S6	BSP 3/8	-	94.5	82.5	30
11	R353 00 268	450.11 PMB 21-S6	BSP 1/2	-	95.5	82.5	30
11	R353 00 321	450.11 PMB 26-S6	BSP 3/4	-	99.5	82.5	30
11	R353 00 322	450.11 PTB 17-S6	NPT 3/8	-	94.5	82.5	30
11	R353 00 323	450.11 PTB 21-S6	NPT 1/2	-	99.5	82.5	30



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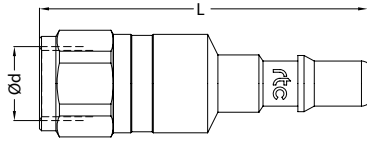
rtc TYPE 450.11

Female thread plug with valve / Verschlussnippel mit Innengewinde



Plug / Nippel

Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
11	-	450.11 PFB 17	BSP 3/8	-	90	-	30
11	R253 00 019	450.11 PFB 21	BSP 1/2	-	94	-	30
11	-	450.11 PNB 17	NPT 3/8	-	90	-	30
11	-	450.11 PNB 21	NPT 1/2	-	94	-	30
11	R353 00 316	450.11 PFB 17-S6	BSP 3/8	-	90	-	30
11	R353 00 317	450.11 PFB 21-S6	BSP 1/2	-	94	-	30
11	R353 00 318	450.11 PNB 17-S6	NPT 3/8	-	90	-	30
11	R353 00 319	450.11 PNB 21-S6	NPT 1/2	-	94	-	30



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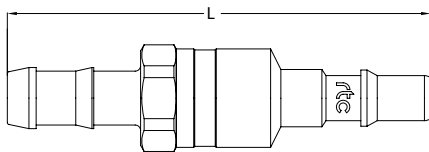
rtc TYPE 450.11

Standard hose plug with valve / Verschlussnippel mit Schlauchanschluss



Plug / Nippel

Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
11	R253 00 021	450.11 PHB 13	Ø13 - 1/2	-	108.5	-	30
11	R253 00 022	450.11 PHB 16	Ø16 - 5/8	-	108.5	-	30
11	-	450.11 PHB 19	Ø19 - 3/4	-	119.5	-	30
11	R353 00 324	450.11 PHB 13-S6	Ø13 - 1/2	-	108.5	-	30
11	R353 00 147	450.11 PHB 16-S6	Ø16 - 5/8	-	108.5	-	30
11	R353 00 222	450.11 PHB 19-S6	Ø19 - 3/4	-	119.5	-	30



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