



rtc[®]

COUPLING TECHNOLOGY
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451.08

rtc TYPE





Compatible

rtc	170.08
rtc	171.08
rtc	173.08
rtc	450.08
rtc	450.08 / SC-E1

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 451.08 8mm (3/8")

Standard version

Seals - Dichtung : Nitrile (N)

Material of standard version with plastic release ring

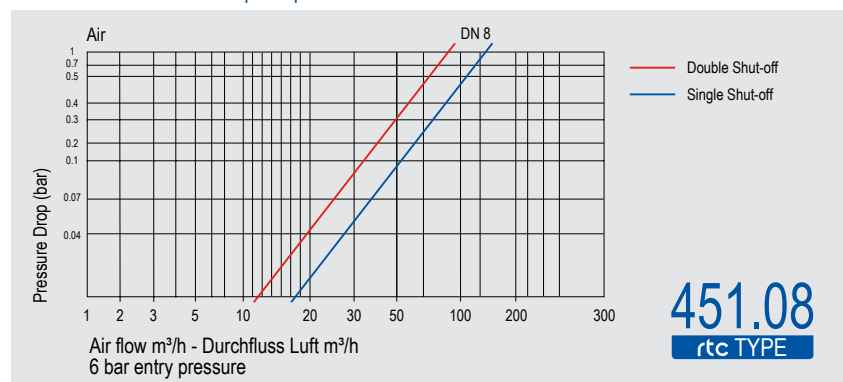
Socket Body - Kupplungsgrundkörper	Steel tenifer threaded Stahl teneferiert
Back Part - Hinterteil	Steel zinc nickel plated Stahl Zink-Nickel beschichtet
Sleeve - Hülse	Orange colour plastic Kunststoff, Farbe orange
Springs - Federn	Stainless steel - Edelstahl
Seals - Dichtungen	Nitrile (N)
Plug Nippel	Steel tenifer threaded Stahl teneferiert

Advantages

- The system perfectly fits to the **ISO 4414, EN 983** safety requirements.
- Plug profile perfectly fits to the **ISO 6150-C-14, AFNOR C-14 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



Flow Rate vs Pressure Drop Graph

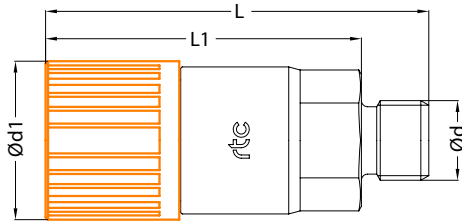


rtc TYPE 451.08

Plastic sleeve socket with male thread / Kupplung mit Kunststoffdrehhülse und Aussengewinde



Socket / Kupplung



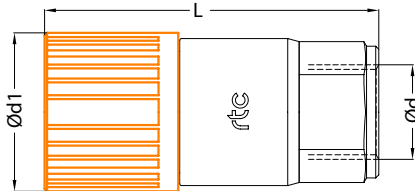
Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
8	R203 00 299	451.08 SMB 17	BSP 3/8	32	73	63	24
8	R203 00 300	451.08 SMB 21	BSP 1/2	32	75	63	24
8	-	451.08 STB 17	NPT 3/8	32	75	63	24
8	-	451.08 STB 21	NPT 1/2	32	80	63	24

rtc TYPE 451.08

Plastic sleeve socket with female thread / Kupplung mit Kunststoffdrehhülse und Innengewinde



Socket / Kupplung



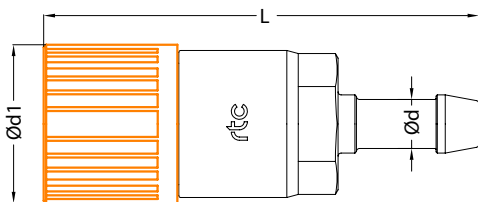
Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
8	R203 00 295	451.08 SFB 13	BSP 1/4	32	73	-	24
8	R203 00 296	451.08 SFB 17	BSP 3/8	32	73	-	24
8	R203 00 297	451.08 SFB 21	BSP 1/2	32	76	-	24
8	-	451.08 SNB 17	NPT 3/8	32	74	-	24
8	-	451.08 SNB 21	NPT 1/2	32	81	-	24

rtc TYPE 451.08

Plastic sleeve standard hose socket / Kupplung mit Kunststoffdrehhülse und Schlauchanschluss



Socket / Kupplung



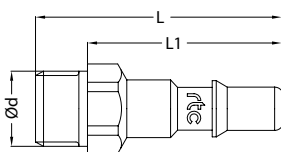
Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
8	R203 00 302	451.08 SHB 08	Ø8 - 5/16	32	84	-	-
8	R203 00 303	451.08 SHB 10	Ø10 - 3/8	32	87	-	-
8	R203 00 304	451.08 SHB 13	Ø13 - 1/2	32	87	-	-

rtc TYPE 451.08

Male thread plug / Nippel mit Aussengewinde



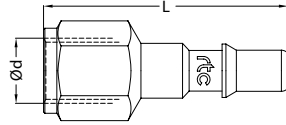
Plug / Nippel



Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
8	R255 00 101	450.08 PMF 13	BSP 1/4	-	55	44	17
8	R255 00 102	450.08 PMF 17	BSP 3/8	-	57	44.5	19
8	-	450.08 PMF 21	BSP 1/2	-	60	48	24
8	R255 00 090	450.08 PTF 13	NPT 1/4	-	57	44.5	17
8	R255 00 089	450.08 PTF 17	NPT 3/8	-	57	44.5	19
8	R355 00 090	450.08 PMF 13-S6	BSP 1/4	-	55	44	17
8	R355 00 091	450.08 PMF 17-S6	BSP 3/8	-	57	44.5	19
8	-	450.08 PMF 21-S6	BSP 1/2	-	60	48	24
8	R355 00 092	450.08 PTF 13-S6	NPT 1/4	-	57	44.5	17
8	R355 00 093	450.08 PTF 17-S6	NPT 3/8	-	57	44.5	19

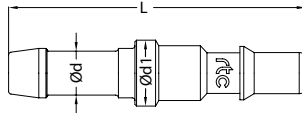
*S6: Stainless Steel / Edelstahl

Female thread plug / Nippel mit Innengewinde TYPE 451.08 

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R255 00 103	450.08 PFF 13	BSP 1/4	-	55.5	-	17
	8	R255 00 105	450.08 PFF 17	BSP 3/8	-	57.5	-	22
	8	-	450.08 PFF 21	BSP 1/2	-	59	-	27
	8	R255 00 104	450.08 PNF 13	NPT 1/4	-	56.5	-	17
	8	R255 00 106	450.08 PNF 17	NPT 3/8	-	57.5	-	22
	8	-	450.08 PNF 21	NPT 1/2	-	61	-	27
	8	R355 00 088	450.08 PFF 13-S6	BSP 1/4	-	55.5	-	17
	8	R355 00 089	450.08 PFF 17-S6	BSP 3/8	-	57.5	-	22
	8	-	450.08 PFF 21-S6	BSP 1/2	-	59	-	27
	8	R355 00 094	450.08 PNF 13-S6	NPT 1/4	-	56.5	-	17
	8	R355 00 095	450.08 PNF 17-S6	NPT 3/8	-	57.5	-	22
	8	R355 00 359	450.08 PNF 21-S6	NPT 1/2	-	61	-	27

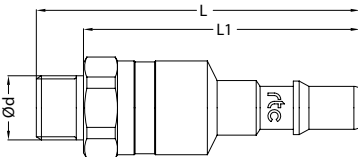
*S6: Stainless Steel / Edelstahl

Standard hose plug / Nippel mit Schlauchanschluss TYPE 451.08 

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R255 00 107	450.08 PHF 08	Ø8 - 5/16	15	62	-	-
	8	R255 00 108	450.08 PHF 10	Ø10 - 3/8	15	62	-	-
	8	R255 00 109	450.08 PHF 13	Ø13 - 1/2	17	66	-	-
	8	R255 00 110	450.08 PHF 16	Ø16 - 5/8	19	66	-	-
	8	R355 00 096	450.08 PHF 08-S6	Ø8 - 5/16	15	62	-	-
	8	R355 00 097	450.08 PHF 10-S6	Ø10 - 3/8	15	62	-	-
	8	R355 00 098	450.08 PHF 13-S6	Ø13 - 1/2	17	66	-	-
	8	R355 00 099	450.08 PHF 16-S6	Ø16 - 5/8	19	66	-	-

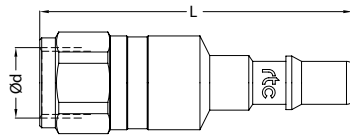
*S6: Stainless Steel / Edelstahl

Male thread plug with valve / Verschlussnippel mit Aussengewinde TYPE 451.08 

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R253 00 159	450.08 PMB 17	BSP 3/8	-	86	74	24
	8	-	450.08 PMB 21	BSP 1/2	-	88	74	24
	8	-	450.08 PTB 17	NPT 3/8	-	88	74	24
	8	R353 00 102	450.08 PMB 17-S6	BSP 3/8	-	86	74	24
	8	-	450.08 PMB 21-S6	BSP 1/2	-	88	74	24
	8	R353 00 315	450.08 PTB 17-S6	NPT 3/8	-	88	74	24

*S6: Stainless Steel / Edelstahl

Female thread plug with valve / Verschlussnippel mit Innengewinde TYPE 451.08 

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R253 00 157	450.08 PFB 17	BSP 3/8	-	80	-	24
	8	-	450.08 PFB 21	BSP 1/2	-	82	-	24
	8	-	450.08 PNB 17	NPT 3/8	-	80	-	24
	8	R353 00 100	450.08 PFB 17-S6	BSP 3/8	-	80	-	24
	8	-	450.08 PFB 21-S6	BSP 1/2	-	82	-	24
	8	R353 00 314	450.08 PNB 17-S6	NPT 3/8	-	80	-	24

*S6: Stainless Steel / Edelstahl

Standard hose plug with valve / Verschlussnippel mit Schlauchanschluss TYPE 451.08 

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R253 00 161	450.08 PHB 10	Ø10 - 3/8	-	97	-	24
	8	R253 00 163	450.08 PHB 13	Ø13 - 1/2	-	100	-	24
	8	R353 00 104	450.08 PHB 10-S6	Ø10 - 3/8	-	97	-	24
	8	R353 00 106	450.08 PHB 13-S6	Ø13 - 1/2	-	100	-	24

*S6: Stainless Steel / Edelstahl