

rtc[®]

QUICK CONNECT TECHNOLOGY
www.rtc-tec.com



451.08

rtc TYPE



Compatible

rtc	170.08
rtc	171.08
rtc	173.08
rtc	450.08
rtc	461.08 / 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

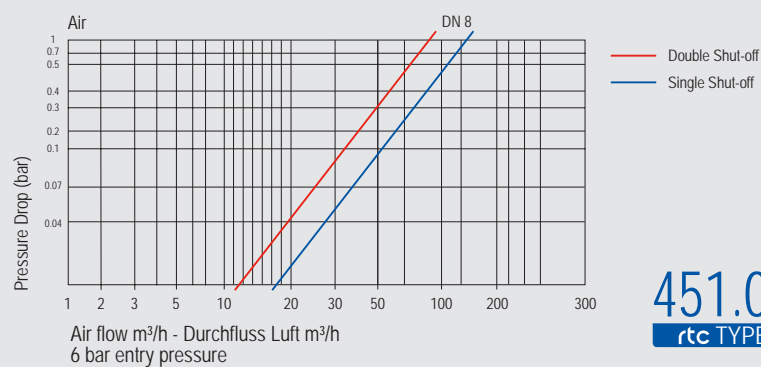
Socket Body	Steel tenifer threaded
Back Part	Steel zinc nickel plated
Sleeve	Orange colour plastic
Springs	Stainless steel
Seals	Nitrile (N)
Plug	Steel tenifer threaded

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



**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

**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

**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	-	-

**TYPE 451.08**

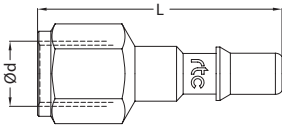
Male thread plug / Nippel mit Aussengewinde



Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R255 00 101	461.08 PMF 13	BSP 1/4	-	55	44	17
	8	R255 00 102	461.08 PMF 17	BSP 3/8	-	57	44.5	19
	8	-	461.08 PMF 21	BSP 1/2	-	60	48	24
	8	R255 00 090	461.08 PTF 13	NPT 1/4	-	57	44.5	17
	8	R255 00 089	461.08 PTF 17	NPT 3/8	-	57	44.5	19
	8	R355 00 090	461.08 PMF 13 SS	BSP 1/4	-	55	44	17
	8	R355 00 091	461.08 PMF 17 SS	BSP 3/8	-	57	44.5	19
	8	-	461.08 PMF 21 SS	BSP 1/2	-	60	48	24
	8	R355 00 092	461.08 PTF 13 SS	NPT 1/4	-	57	44.5	17
	8	R355 00 093	461.08 PTF 17 SS	NPT 3/8	-	57	44.5	19

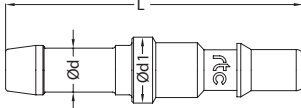
*SS: Stainless Steel / Edelstahl

Female thread plug / Nippel mit Innengewinde TYPE 451.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R255 00 103	461.08 PFF 13	BSP 1/4	-	55.5	-	17
	8	R255 00 105	461.08 PFF 17	BSP 3/8	-	57.5	-	22
	8	-	461.08 PFF 21	BSP 1/2	-	59	-	27
	8	R255 00 104	461.08 PNF 13	NPT 1/4	-	56.5	-	17
	8	R255 00 106	461.08 PNF 17	NPT 3/8	-	57.5	-	22
	8	-	461.08 PNF 21	NPT 1/2	-	61	-	27
	8	R355 00 088	461.06 PFF 13 SS	BSP 1/4	-	55.5	-	17
	8	R355 00 089	461.06 PFF 17 SS	BSP 3/8	-	57.5	-	22
	8	-	461.06 PFF 21 SS	BSP 1/2	-	59	-	27
	8	R355 00 094	461.06 PNF 13 SS	NPT 1/4	-	56.5	-	17
	8	R355 00 095	461.06 PNF 17 SS	NPT 3/8	-	57.5	-	22
	8	R355 00 359	461.06 PNF 21 SS	NPT 1/2	-	61	-	27

*SS: Stainless Steel / Edelstahl

Standard hose plug / Nippel mit Schlauchanschluss TYPE 451.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R255 00 107	461.08 PHF 08	Ø8 - 5/16	15	62	-	-
	8	R255 00 108	461.08 PHF 10	Ø10 - 3/8	15	62	-	-
	8	R255 00 109	461.08 PHF 13	Ø13 - 1/2	17	66	-	-
	8	R255 00 110	461.08 PHF 16	Ø16 - 5/8	19	66	-	-
	8	R355 00 611	461.08 PHF 08 SS	Ø8 - 5/16	15	62	-	-
	8	R355 00 612	461.08 PHF 10 SS	Ø10 - 3/8	15	62	-	-
	8	R355 00 613	461.08 PHF 13 SS	Ø13 - 1/2	17	66	-	-
	8	R355 00 614	461.08 PHF 16 SS	Ø16 - 5/8	19	66	-	-

*SS: Stainless Steel / Edelstahl

Male thread plug with valve / Verschlussnippel mit Aussengewinde TYPE 451.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R253 00 159	461.08 PMB 17	BSP 3/8	-	86	74	24
	8	-	461.08 PMB 21	BSP 1/2	-	88	74	24
	8	-	461.08 PTB 17	NPT 3/8	-	88	74	24
	8	R353 00 102	461.08 PMB 17 SS	BSP 3/8	-	86	74	24
	8	-	461.08 PMB 21 SS	BSP 1/2	-	88	74	24
	8	R353 00 315	461.08 PTB 17 SS	NPT 3/8	-	88	74	24

*SS: Stainless Steel / Edelstahl

Female thread plug with valve / Verschlussnippel mit Innengewinde TYPE 451.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R253 00 157	461.08 PFB 17	BSP 3/8	-	80	-	24
	8	-	461.08 PFB 21	BSP 1/2	-	82	-	24
	8	-	461.08 PNB 17	NPT 3/8	-	80	-	24
	8	R353 00 100	461.08 PFB 17 SS	BSP 3/8	-	80	-	24
	8	-	461.08 PFB 21 SS	BSP 1/2	-	82	-	24
	8	R353 00 314	461.08 PNB 17 SS	NPT 3/8	-	80	-	24

*SS: Stainless Steel / Edelstahl

Standard hose plug with valve / Verschlussnippel mit Schlauchanschluss TYPE 451.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R253 00 161	461.08 PHB 10	Ø10 - 3/8	-	97	-	24
	8	R253 00 163	461.08 PHB 13	Ø13 - 1/2	-	100	-	24
	8	R353 00 104	461.08 PHB 10 SS	Ø10 - 3/8	-	97	-	24
	8	R353 00 106	461.08 PHB 13 SS	Ø13 - 1/2	-	100	-	24

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	OETIKER RTC SV 2 - R 203 00 299	OETIKER 203 00 299	OETIKER 203.00.299	OETIKER 20300299	COMPATIBLE OETIKER 203 00 299
451.08 SMB 21	OETIKER RTC SV 2 - R 203 00 300	OETIKER 203 00 300	OETIKER 203.00.300	OETIKER 20300300	COMPATIBLE OETIKER 203 00 300
451.08 SFB 13	OETIKER RTC SV 2 - R 203 00 295	OETIKER 203 00 295	OETIKER 203.00.295	OETIKER 20300295	COMPATIBLE OETIKER 203 00 295
451.08 SFB 17	OETIKER RTC SV 2 - R 203 00 296	OETIKER 203 00 296	OETIKER 203.00.296	OETIKER 20300296	COMPATIBLE OETIKER 203 00 296
451.08 SFB 21	OETIKER RTC SV 2 - R 203 00 297	OETIKER 203 00 297	OETIKER 203.00.297	OETIKER 20300297	COMPATIBLE OETIKER 203 00 297
451.08 SHB 08	OETIKER RTC SV 2 - R 203 00 302	OETIKER 203 00 302	OETIKER 203.00.302	OETIKER 20300302	COMPATIBLE OETIKER 203 00 302
451.08 SHB 10	OETIKER RTC SV 2 - R 203 00 303	OETIKER 203 00 303	OETIKER 203.00.303	OETIKER 20300303	COMPATIBLE OETIKER 203 00 303
451.08 SHB 13	OETIKER RTC SV 2 - R 203 00 304	OETIKER 203 00 304	OETIKER 203.00.304	OETIKER 20300304	COMPATIBLE OETIKER 203 00 304

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