



# rtc<sup>®</sup>

COUPLING TECHNOLOGY  
[www.rtc-tec.com](http://www.rtc-tec.com)



## 451.06

rtc TYPE





### Compatible

rtc	170.06
rtc	171.06
rtc	173.06
rtc	450.06
rtc	450.06 / SC-K

### 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 451.06      5.5mm (1/4")

### Standard version

Seals - Dichtung : Nitrile (N)

### Material of standard version with plastic release ring

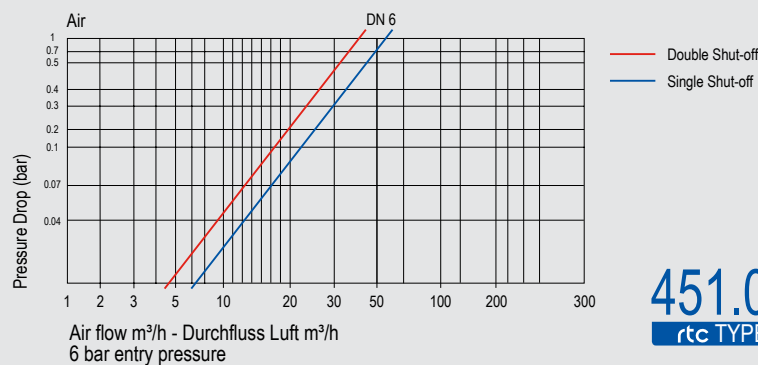
Socket Body - Kupplungsgrundkörper	Steel tenifer threaded Stahl teneferiert
Back Part - Hinterteil	Steel zinc nickel plated Stahl Zink-Nickel beschichtet
Sleeve - Hülse	Orange colour plastic Kunststoff, Farbe orange
Springs - Federn	Stainless steel - Edelstahl
Seals - Dichtungen	Nitrile (N)
Plug Nippel	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-10, AFNOR C-10 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

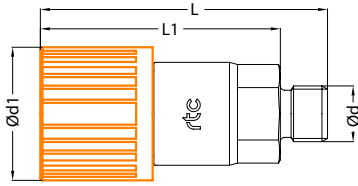


rtc TYPE 451.06

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



Socket / Kupplung



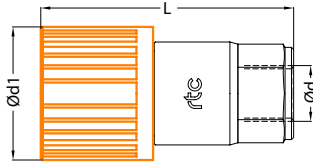
Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
6	R203 00 186	451.06 SMB 13	BSP 1/4	31.5	52.5	42.5	20
6	R203 00 184	451.06 SMB 17	BSP 3/8	31.5	52.5	42.5	20
6	R203 00 185	451.06 SMB 21	BSP 1/2	31.5	54.5	42.5	22
6	-	451.06 STB 13	NPT 1/4	31.5	54.5	42.5	20
6	-	451.06 STB 17	NPT 3/8	31.5	54.5	42.5	20

rtc TYPE 451.06

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



Socket / Kupplung



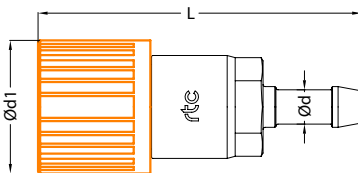
Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
6	R203 00 180	451.06 SFB 10	BSP 1/8	31.5	52.5	-	20
6	R203 00 181	451.06 SFB 13	BSP 1/4	31.5	52.5	-	20
6	R203 00 182	451.06 SFB 17	BSP 3/8	31.5	55.5	-	20
6	R203 00 183	451.06 SFB 21	BSP 1/2	31.5	59.5	-	24
6	-	451.06 SNB 13	NPT 1/4	31.5	56.5	-	20
6	-	451.06 SNB 17	NPT 3/8	31.5	56.5	-	20

rtc TYPE 451.06

Plastic sleeve standard hose socket / Kupplung mit Kunststoffdrehhülse und Schlauchanschluss



Socket / Kupplung



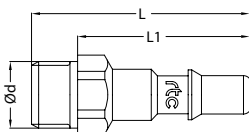
Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
6	R203 00 190	451.06 SHB 06	Ø6 - 1/4	31.5	65.5	-	-
6	R203 00 187	451.06 SHB 08	Ø8 - 5/16	31.5	65.5	-	-
6	R203 00 188	451.06 SHB 10	Ø10 - 3/8	31.5	68.5	-	-
6	R203 00 189	451.06 SHB 13	Ø13 - 1/2	31.5	68.5	-	-

rtc TYPE 451.06

Male thread plug / Nippel mit Aussengewinde



Plug / Nippel



Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
6	R255 00 093	450.06 PMF 10	BSP 1/8	-	44	36	14
6	R255 00 091	450.06 PMF 13	BSP 1/4	-	47	36	14
6	R255 00 092	450.06 PMF 17	BSP 3/8	-	52	40	19
6	R255 00 112	450.06 PTF 13	NPT 1/4	-	48	45	14
6	R255 00 117	450.06 PTF 17	NPT 3/8	-	53	48	19
6	R355 00 125	450.06 PMF 10-S6	BSP 1/8	-	44	36	14
6	R355 00 126	450.06 PMF 13-S6	BSP 1/4	-	47	36	14
6	R355 00 127	450.06 PMF 17-S6	BSP 3/8	-	52	40	19
6	R355 00 128	450.06 PTF 10-S6	NPT 1/8	-	45	36	14
6	R355 00 129	450.06 PTF 13-S6	NPT 1/4	-	47	45	14
6	R355 00 130	450.06 PTF 17-S6	NPT 3/8	-	53	48	19

\*S6: Stainless Steel / Edelstahl

Female thread plug / Nippel mit Innengewinde TYPE 451.06

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R255 00 100	450.06 PFF 10	BSP 1/8	-	42	-	14
	6	R255 00 088	450.06 PFF 13	BSP 1/4	-	46.5	-	17
	6	R255 00 119	450.06 PNF 13	NPT 1/4	-	46.5	-	17
	6	R355 00 123	450.06 PFF 10-S6	BSP 1/8	-	42	-	14
	6	R355 00 124	450.06 PFF 13-S6	BSP 1/4	-	46.5	-	17
	6	R355 00 208	450.06 PNF 13-S6	NPT 1/4	-	48	-	17
	6	R355 00 264	450.06 PNF 17-S6	NPT 3/8	-	50	-	19

\*S6: Stainless Steel / Edelstahl

Standard hose plug / Nippel mit Schlauchanschluss TYPE 450.06

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R255 00 113	450.06 PHF 06	Ø6 - 1/4	12	56	-	-
	6	R255 00 114	450.06 PHF 08	Ø8 - 5/16	12	56	-	-
	6	R255 00 115	450.06 PHF 10	Ø10 - 3/8	13	56	-	-
	6	R255 00 116	450.06 PHF 13	Ø13 - 1/2	16.5	60	-	-
	6	R355 00 102	450.06 PHF 06-S6	Ø6 - 1/4	12	56	-	-
	6	R355 00 103	450.06 PHF 08-S6	Ø8 - 5/16	12	56	-	-
	6	R355 00 104	450.06 PHF 10-S6	Ø10 - 3/8	13	56	-	-
	6	R355 00 105	450.06 PHF 13-S6	Ø13 - 1/2	16.5	60	-	-

\*S6: Stainless Steel / Edelstahl

Male thread plug with valve / Verschlussnippel mit Aussengewinde TYPE 450.06

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R253 00 171	450.06 PMB 13	BSP 1/4	-	70	60	17
	6	R253 00 172	450.06 PMB 17	BSP 3/8	-	70	60	19
	6	-	450.06 PTB 13	NPT 1/4	-	72	60	17
	6	R353 00 119	450.06 PMB 13-S6	BSP 1/4	-	70	60	17
	6	R353 00 120	450.06 PMB 17-S6	BSP 3/8	-	70	60	19
	6	R353 00 311	450.06 PTB 13-S6	NPT 1/4	-	72	60	17
	6	R353 00 312	450.06 PTB 17-S6	NPT 3/8	-	73	60	19

\*S6: Stainless Steel / Edelstahl

Female thread plug with valve / Verschlussnippel mit Innengewinde TYPE 450.06

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R253 00 169	450.06 PFB 13	BSP 1/4	-	72	-	17
	6	R253 00 170	450.06 PFB 17	BSP 3/8	-	72	-	22
	6	-	450.06 PNB 13	NPT 1/4	-	72	-	17
	6	R353 00 117	450.06 PFB 13-S6	BSP 1/4	-	72	-	17
	6	R353 00 118	450.06 PFB 17-S6	BSP 3/8	-	72	-	22
	6	R353 00 309	450.06 PNB 13-S6	NPT 1/4	-	72	-	17
	6	R353 00 310	450.06 PNB 17-S6	NPT 3/8	-	72	-	22

\*S6: Stainless Steel / Edelstahl

Standard hose plug with valve / Verschlussnippel mit Schlauchanschluss TYPE 450.06

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R253 00 173	450.06 PHB 06	Ø6 - 1/4	-	79	-	17
	6	R253 00 174	450.06 PHB 08	Ø8 - 5/16	-	79	-	17
	6	R253 00 175	450.06 PHB 10	Ø10 - 3/8	-	79	-	17
	6	R353 00 121	450.06 PHB 06-S6	Ø6 - 1/4	-	79	-	17
	6	R353 00 122	450.06 PHB 08-S6	Ø8 - 5/16	-	79	-	17
	6	R353 00 123	450.06 PHB 10-S6	Ø10 - 3/8	-	79	-	17
	6	R353 00 313	450.06 PHB 13-S6	Ø13 - 1/2	-	82	-	17

\*S6: Stainless Steel / Edelstahl