



# rtc<sup>®</sup>

COUPLING TECHNOLOGY



## 450.03

rtc TYPE





**Compatible - Kompatibilität**

rtc 170.03  
rtc 173.03

**Temperature Range - Temperaturbereich**

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 - Betriebsdruck**  
25 Bar (360 PSI)

**Connction / Disconnection Max. Pressure - Ein- und Auskuppelbar bis Max. Druck**  
15 Bar (220 PSI)

**Flow size - Nennweite**  
rtc type 450.03 3mm (1/8")

**Standard version - Standardversion**  
Seals - Dichtung : Nitrile (N)

**Material of steel version / Material für die Stahl Version**

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

**Advantages**

- Plug profile perfectly fits to the **ISO 6150-C-8, AFNOR C-8 NF E 49-053**
- Negligible Connecting Force
- Smart and Ergonomic features
- Ease of Handling
- Optimised Size

**Vorteil**

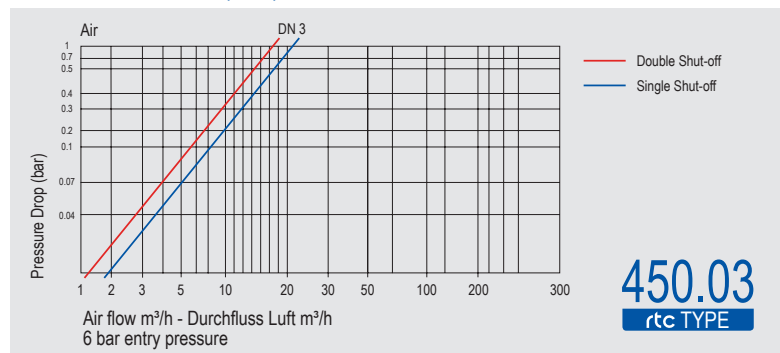
- Stecknippel gemäß **ISO 6150-C-8, AFNOR C-8 NF E 49-053**
- Einfache Bedienung, sehr geringe Kuppelkraft
- Kompakte Bauform

**Material of stainless steel version / Material für die Edelstahlversion**

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 450.03 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.
	3	-	450.03 SMB 10	BSP 1/8	17	42.5	34.5	14
	3	-	450.03 SMB 13	BSP 1/4	17	44.5	34.5	14
	3	-	450.03 STB 10	NPT 1/8	17	43.5	34.5	14
	3	R303 00 582	450.03 SMB 10-S6	BSP 1/8	17	42.5	34.5	14
	3	R303 00 583	450.03 SMB 13-S6	BSP 1/4	17	44.5	34.5	14
	3	R303 00 584	450.03 STB 10-S6	NPT 1/8	17	43.5	34.5	14

\*S6: Stainless Steel / Edelstahl

**rtc** TYPE 450.03 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.
	3	-	450.03 SFB 10	BSP 1/8	17	39	-	14
	3	-	450.03 SNB 10	NPT 1/8	17	39	-	14
	3	R303 00 580	450.03 SFB 10-S6	BSP 1/8	17	39	-	14
	3	R303 00 581	450.03 SNB 10-S6	NPT 1/8	17	39	-	14

\*S6: Stainless Steel / Edelstahl

**rtc** TYPE 450.03 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.
	3	-	450.03 SHB 04	Ø4 - 3/16	17	46	-	-
	3	-	450.03 SHB 06	Ø6 - 1/4	17	46	-	-
	3	-	450.03 SHB 08	Ø8 - 5/16	17	46	-	-
	3	R303 00 585	450.03 SHB 04-S6	Ø4 - 3/16	17	46	-	-
	3	R303 00 586	450.03 SHB 06-S6	Ø6 - 1/4	17	46	-	-
	3	R303 00 587	450.03 SHB 08-S6	Ø8 - 5/16	17	46	-	-

\*S6: Stainless Steel / Edelstahl

**rtc** TYPE 450.03 Male thread plug / Nippel mit Aussengewinde



Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	3	-	450.03 PMF 10	BSP 1/8	-	36.5	28.5	14
	3	-	450.03 PTF 10	NPT 1/8	-	37.5	28.5	14
	3	R355 00 274	450.03 PMF 10-S6	BSP 1/8	-	36.5	28.5	14
	3	R355 00 338	450.03 PTF 10-S6	NPT 1/8	-	37.5	28.5	14

\*S6: Stainless Steel / Edelstahl

Female thread plug / Nippel mit Innengewinde TYPE 450.03 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	3	-	450.03 PFF 10	BSP 1/8	-	35	-	13
	3	-	450.03 PNF 10	NPT 1/8	-	35	-	13
	3	R355 00 273	450.03 PFF 10-S6	BSP 1/8	-	35	-	13
	3	R355 00 339	450.03 PNF 10-S6	NPT 1/8	-	35	-	13

\*S6: Stainless Steel / Edelstahl

Standard hose plug / Nippel mit Schlauchanschluss TYPE 450.03 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	3	-	450.03 PHF 04	Ø4 - 5/32	10	39.5	-	-
	3	-	450.03 PHF 06	Ø6 - 1/4	10	39.5	-	-
	3	R355 00 276	450.03 PHF 04-S6	Ø4 - 5/32	10	39.5	-	-
	3	R355 00 277	450.03 PHF 06-S6	Ø6 - 1/4	10	39.5	-	-

\*S6: Stainless Steel / Edelstahl

Male thread plug with valve / Verschlussnippel mit Aussengewinde TYPE 450.03 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	3	-	450.03 PMB 10	BSP 1/8	-	49.5	41.5	14
	3	-	450.03 PTB 10	NPT 1/8	-	50.5	41.5	14
	3	-	450.03 PMB 10-S6	BSP 1/8	-	49.5	41.5	14
	3	-	450.03 PTB 10-S6	NPT 1/8	-	50.5	41.5	14

\*S6: Stainless Steel / Edelstahl

Female thread plug with valve / Verschlussnippel mit Innengewinde TYPE 450.03 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	3	-	450.03 PFB 10	BSP 1/8	-	50.5	-	14
	3	-	450.03 PNB 10	NPT 1/8	-	50.5	-	14
	3	-	450.03 PFB 10-S6	BSP 1/8	-	50.5	-	14
	3	-	450.03 PNB 10-S6	NPT 1/8	-	50.5	-	14

\*S6: Stainless Steel / Edelstahl

Standard hose plug with valve / Verschlussnippel mit Schlauchanschluss TYPE 450.03 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	3	-	450.03 PHB 04	Ø4 - 5/32	-	54.5	-	-
	3	-	450.03 PHB 06	Ø6 - 1/4	-	54.5	-	-
	3	-	450.03 PHB 04-S6	Ø4 - 5/32	-	54.5	-	-
	3	-	450.03 PHB 06-S6	Ø6 - 1/4	-	54.5	-	-

\*S6: Stainless Steel / Edelstahl



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COUPLING TECHNOLOGY



## 450.06

rtc TYPE





**Compatible - Kompatibilität**

rtc	170.06
rtc	171.06
rtc	173.06
rtc	451.06
rtc	450.06 / SC-K

**Temperature Range - Temperaturbereich**

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 - Betriebsdruck**

25 Bar (360 PSI)

**Connction / Disconnection Max. Pressure - Ein- und Auskuppelbar bis Max. Druck**

15 Bar (220 PSI)

**Flow size - Nennweite**

rtc type 450.06 5.5mm (1/4")

**Standard version - Standardversion**

Seals - Dichtung : Nitrile (N)

**Material of steel version / Material für die Stahl Version**

Socket Body - Kupplungsgrundkörper	Steel tenifer threated Stahl teneferiert
Back Part - Hinterteil	Steel zinc-nickel plated Stahl Zink-Nickel beschichtet
Sleeve - Hülse	Steel zinc-nickel plated and orange painted Stahl Zink-Nickel beschichtet und orange lackiert
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
- Negligible Connecting Force
- Smart and Ergonomic features
- Ease of Handling
- Optimised Size

**Vorteil**

- Sicherheit gemäß **ISO 4414, EN 983**
- Stecknippel gemäß **ISO 6150-C-10, AFNOR C-10 NF E 49-053**
- 2 stufen Sicherheitsentriegelung
- Einfache Bedienung, sehr geringe Kuppelkraft
- Kompakte Bauform

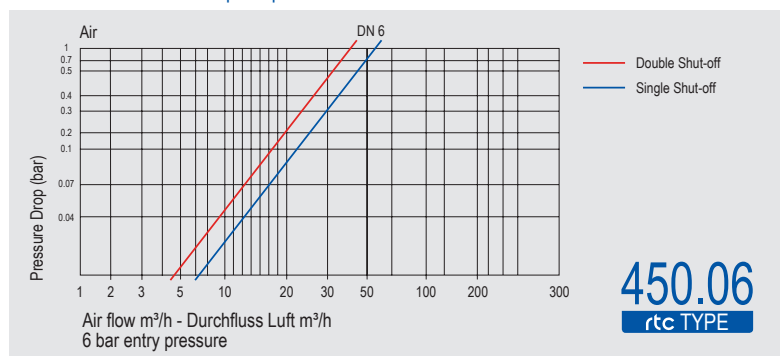
**Material of stainless steel version**

**Material für die Edelstahlversion**

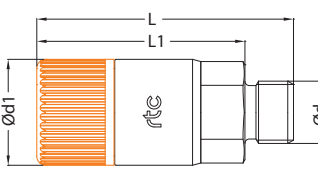
Socket Body - Kupplungsgrundkörper	Stainless steel Edelstahl
Back Part - Hinterteil	Stainless steel - Edelstahl
Sleeve - Hülse	Stainless steel - Edelstahl
Springs - Federn	Stainless steel - Edelstahl
Seals - Dichtungen	FPM (V)
Plug - Nippel	Stainless steel - Edelstahl



**Flow Rate vs Pressure Drop Graph**

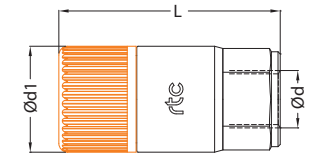


**rtc** TYPE 450.06 Metal sleeve socket with male thread / Kupplung mit Metallhülse und Aussengewinde

Socket / Kupplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R203 00 197	450.06 SMB 13	BSP 1/4	24	55.5	45.5	20
	6	R203 00 195	450.06 SMB 17	BSP 3/8	24	55.5	45.5	20
	6	R203 00 196	450.06 SMB 21	BSP 1/2	24	57.5	45.5	22
	6	-	450.06 STB 13	NPT 1/4	24	57.5	45.5	20
	6	-	450.06 STB 17	NPT 3/8	24	57.5	45.5	20
	6	R303 00 592	450.06 SMB 13-S6	BSP 1/4	24	55.5	45.5	20
	6	R303 00 593	450.06 SMB 17-S6	BSP 3/8	24	55.5	45.5	20
	6	R303 00 594	450.06 SMB 21-S6	BSP 1/2	24	57.5	45.5	22
	6	R303 00 601	450.06 STB 13-S6	NPT 1/4	24	57.5	45.5	20
	6	R303 00 602	450.06 STB 17-S6	NPT 3/8	24	57.5	45.5	20

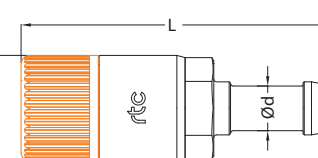
\*S6: Stainless Steel / Edelstahl

**rtc** TYPE 450.06 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.
	6	R203 00 191	450.06 SFB 10	BSP 1/8	24	52.5	-	20
	6	R203 00 192	450.06 SFB 13	BSP 1/4	24	52.5	-	20
	6	R203 00 193	450.06 SFB 17	BSP 3/8	24	52.5	-	20
	6	R203 00 194	450.06 SFB 21	BSP 1/2	24	54.5	-	24
	6	-	450.06 SNB 13	NPT 1/4	24	53.5	-	20
	6	-	450.06 SNB 17	NPT 3/8	24	53.5	-	20
	6	R303 00 588	450.06 SFB 10-S6	BSP 1/8	24	52.5	-	20
	6	R303 00 589	450.06 SFB 13-S6	BSP 1/4	24	52.5	-	20
	6	R303 00 590	450.06 SFB 17-S6	BSP 3/8	24	52.5	-	20
	6	R303 00 591	450.06 SFB 21-S6	BSP 1/2	24	54.5	-	24

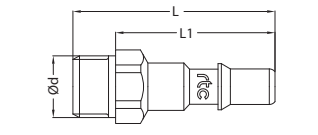
\*S6: Stainless Steel / Edelstahl

**rtc** TYPE 450.06 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.
	6	R203 00 201	450.06 SHB 06	Ø6 - 1/4	24	68.5	-	-
	6	R203 00 198	450.06 SHB 08	Ø8 - 5/16	24	68.5	-	-
	6	R203 00 199	450.06 SHB 10	Ø10 - 3/8	24	71.5	-	-
	6	R203 00 200	450.06 SHB 13	Ø13 - 1/2	24	71.5	-	-
	6	R303 00 595	450.06 SHB 06-S6	Ø6 - 1/4	24	68.5	-	-
	6	R303 00 596	450.06 SHB 08-S6	Ø8 - 5/16	24	68.5	-	-
	6	R303 00 597	450.06 SHB 10-S6	Ø10 - 3/8	24	71.5	-	-
	6	R303 00 598	450.06 SHB 13-S6	Ø13 - 1/2	24	71.5	-	-

\*S6: Stainless Steel / Edelstahl

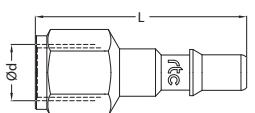
**rtc** TYPE 450.06 Male thread plug / Nippel mit Aussengewinde

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	-	47	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

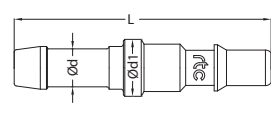
\*S6: Stainless Steel / Edelstahl



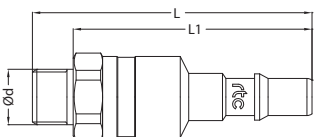
Female thread plug / Nippel mit Innengewinde TYPE 450.06 

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
 <p>*S6: Stainless Steel / Edelstahl</p>	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

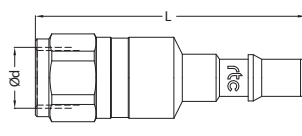
Standard hose plug / Nippel mit Schlauchanschluss TYPE 450.06 

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
 <p>*S6: Stainless Steel / Edelstahl</p>	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	-	-

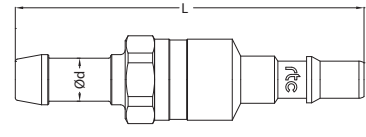
Male thread plug with valve / Verschlussnippel mit Aussengewinde TYPE 450.06 

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
 <p>*S6: Stainless Steel / Edelstahl</p>	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

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.
 <p>*S6: Stainless Steel / Edelstahl</p>	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

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.
 <p>*S6: Stainless Steel / Edelstahl</p>	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





# rtc<sup>®</sup>

COUPLING TECHNOLOGY



## 450.08

rtc TYPE





**Compatible - Kompatibilität**

rtc	170.08
rtc	171.08
rtc	173.08
rtc	451.08
rtc	450.08 / SC-E1

**Temperature Range - Temperaturbereich**

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 - Betriebsdruck**

25 Bar (360 PSI)

**Connction / Disconnection Max. Pressure - Ein- und Auskuppelbar bis Max. Druck**

15 Bar (220 PSI)

**Flow size - Nennweite**

rtc type 450.08 8mm (3/8")

**Standard version - Standardversion**

Seals - Dichtung : Nitrile (N)

**Material of steel version / Material für die Stahl Version**

Socket Body - Kupplungsgrundkörper	Steel tenifer threaded Stahl teneferiert
Back Part - Hinterteil	Steel zinc nickel plated Stahl Zink-Nickel beschichtet
Sleeve - Hülse	Steel zinc-nickel plated and orange painted Stahl Zink-Nickel beschichtet und orange lackiert
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
- Negligible Connecting Force
- Smart and Ergonomic features
- Ease of Handling
- Optimised Size

**Vorteil**

- Sicherheit gemäß **ISO 4414, EN 983**
- Stecknippel gemäß **ISO 6150-C-14, AFNOR C-14 NF E 49-053**
- 2 stufen Sicherheitsentriegelung
- Einfache Bedienung, sehr geringe Kuppelkraft
- Kompakte Bauform

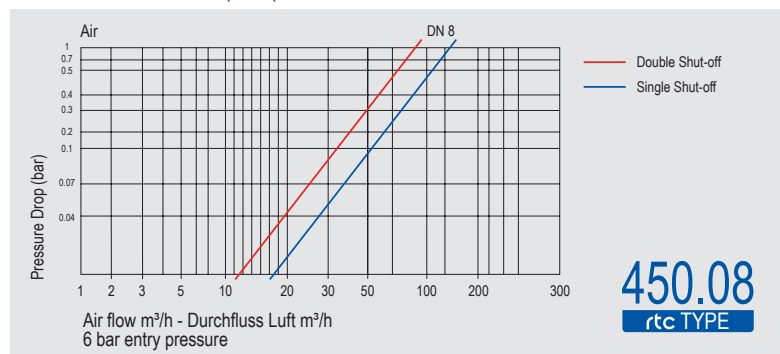
**Material of stainless steel version**

**Material für die Edelstahlversion**

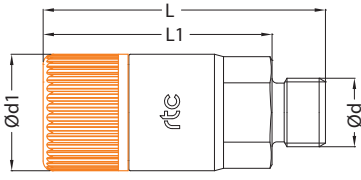
Socket Body - Kupplungsgrundkörper	Stainless steel Edelstahl
Back Part - Hinterteil	Stainless steel - Edelstahl
Sleeve - Hülse	Stainless steel - Edelstahl
Springs - Federn	Stainless steel - Edelstahl
Seals - Dichtungen	FPM (V)
Plug - Nippel	Stainless steel - Edelstahl



**Flow Rate vs Pressure Drop Graph**

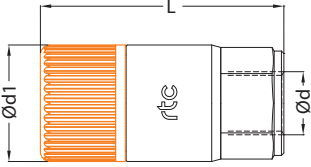


**rtc** TYPE 450.08 Metal sleeve socket with male thread / Kupplung mit Metallhülse und Aussengewinde  

Socket / Kupplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R203 00 316	450.08 SMB 17	BSP 3/8	30	72	62	24
	8	R203 00 318	450.08 SMB 21	BSP 1/2	30	74	62	24
	8	-	450.08 STB 17	NPT 3/8	30	74	62	24
	8	-	450.08 STB 21	NPT 1/2	30	79	62	24
	8	R303 00 607	450.08 SMB 17-S6	BSP 3/8	30	72	62	24
	8	R303 00 608	450.08 SMB 21-S6	BSP 1/2	30	74	62	24
	8	R303 00 609	450.08 STB 17-S6	NPT 3/8	30	74	62	24
	8	R303 00 610	450.08 STB 21-S6	NPT 1/2	30	79	62	24

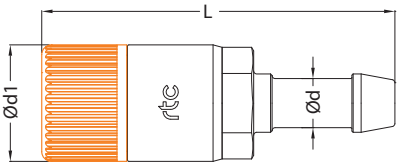
\*S6: Stainless Steel / Edelstahl

**rtc** TYPE 450.08 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.
	8	R203 00 307	450.08 SFB 13	BSP 1/4	30	72	-	24
	8	R203 00 309	450.08 SFB 17	BSP 3/8	30	72	-	24
	8	R203 00 312	450.08 SFB 21	BSP 1/2	30	75	-	24
	8	-	450.08 SNB 17	NPT 3/8	30	73	-	24
	8	-	450.08 SNB 21	NPT 1/2	30	80	-	24
	8	R303 00 300	450.08 SFB 13-S6	BSP 1/4	30	72	-	24
	8	R303 00 603	450.08 SFB 17-S6	BSP 3/8	30	72	-	24
	8	R303 00 604	450.08 SFB 21-S6	BSP 1/2	30	75	-	24
	8	R303 00 605	450.08 SNB 17-S6	NPT 3/8	30	73	-	24
	8	R303 00 606	450.08 SNB 21-S6	NPT 1/2	30	80	-	24

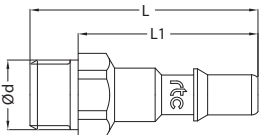
\*S6: Stainless Steel / Edelstahl

**rtc** TYPE 450.08 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.
	8	R203 00 322	450.08 SHB 08	Ø8 - 5/16	30	84	-	-
	8	R203 00 325	450.08 SHB 10	Ø10 - 3/8	30	87	-	-
	8	R203 00 327	450.08 SHB 13	Ø13 - 1/2	30	87	-	-
	8	R203 00 330	450.08 SHB 16	Ø16 - 5/8	30	87	-	-
	8	R303 00 611	450.08 SHB 08-S6	Ø8 - 5/16	30	84	-	-
	8	R303 00 612	450.08 SHB 10-S6	Ø10 - 3/8	30	87	-	-
	8	R303 00 613	450.08 SHB 13-S6	Ø13 - 1/2	30	87	-	-
	8	R303 00 614	450.08 SHB 16-S6	Ø16 - 5/8	30	87	-	-

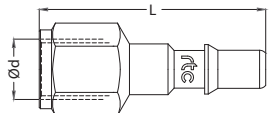
\*S6: Stainless Steel / Edelstahl

**rtc** TYPE 450.08 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

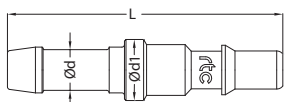
\*S6: Stainless Steel / Edelstahl

Female thread plug / Nippel mit Innengewinde TYPE 450.08 **rtc**

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

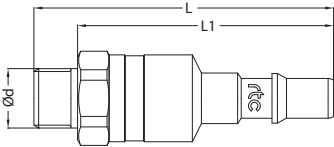
\*S6: Stainless Steel / Edelstahl

Standard hose plug / Nippel mit Schlauchanschluss TYPE 450.08 **rtc**

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	-	-

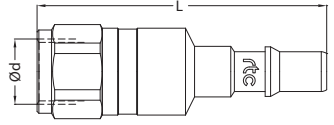
\*S6: Stainless Steel / Edelstahl

Male thread plug with valve / Verschlussnippel mit Aussengewinde TYPE 450.08 **rtc**

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 450.08 **rtc**

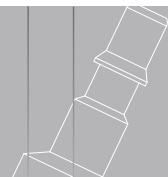
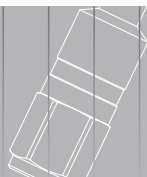
Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R253 00 157	450.08 PFB 17	BSP 3/8	-	80	-	24
	8	-	450.08 PFB 21	BSP 1/2	-	82	-	24
	8	-	450.08 PNB 17	NPT 3/8	-	80	-	24
	8	R353 00 100	450.08 PFB 17-S6	BSP 3/8	-	80	-	24
	8	-	450.08 PFB 21-S6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

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



# rtc<sup>®</sup>

COUPLING TECHNOLOGY



## 450.11

rtc TYPE







**Compatible - Kompatibilität**

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

**Temperature Range - Temperaturbereich**

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 - Betriebsdruck**

25 Bar (360 PSI)

**Connction / Disconnection Max. Pressure -**

Ein- und Auskuppelbar bis Max. Druck  
15 Bar (220 PSI)

**Flow size - Nennweite**

rtc type 450.11 11mm (1/2")

**Standard version - Standardversion**

Seals - Dichtung : Nitrile (N)

**Material of steel version / Material für die Stahl Version**

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

**Vorteil**

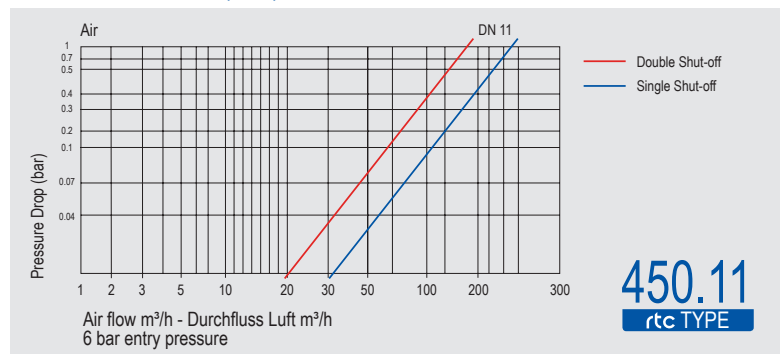
- Sicherheit gemäß **ISO 4414, EN 983**
- Stecknippel gemäß **ISO 6150-C-17, AFNOR C-17 NF E 49-053**
- 2 stufen Sicherheitsentriegelung
- Voller Durchgang, sehr geringer Druckverlust
- Einfache Bedienung, sehr geringe Kuppelkraft
- Kompakte Bauform

**Material of stainless steel version**

<b>Material für die Edelstahlversion</b>	
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

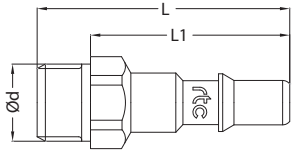


Socket / Kupplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	11	R203 00 064	450.11 SHB 13	Ø13 - 1/2	38	98.5	-	-
	11	R203 00 066	450.11 SHB 16	Ø16 - 5/8	38	98.5	-	-
	11	R203 00 068	450.11 SHB 19	Ø19 - 3/4	38	110	-	-
	11	R303 00 132	450.11 SHB 13-S6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

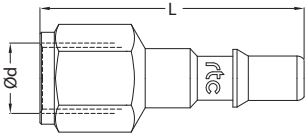


Male thread plug / Nippel mit Aussengewinde TYPE 450.11 

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

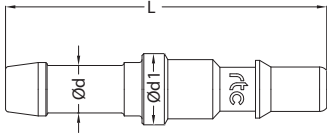
\*S6: Stainless Steel / Edelstahl

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

\*S6: Stainless Steel / Edelstahl

**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

\*S6: Stainless Steel / Edelstahl

**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

\*S6: Stainless Steel / Edelstahl