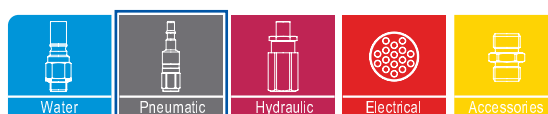


rtc[®]

QUICK CONNECT TECHNOLOGY

www.rtc-tec.com



450.06

rtc TYPE





Compatible - Kompatibilität

rtc	170.06
rtc	171.06
rtc	173.06
rtc	451.06
rtc	461.06 / 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 -	Steel tenifer threaded
Kupplungsgrundkörper	Stahl teneferiert
Back Part -	Steel zinc-nickel plated
Hinterteil	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 -	Steel Tenifer Threaded
Nippel	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

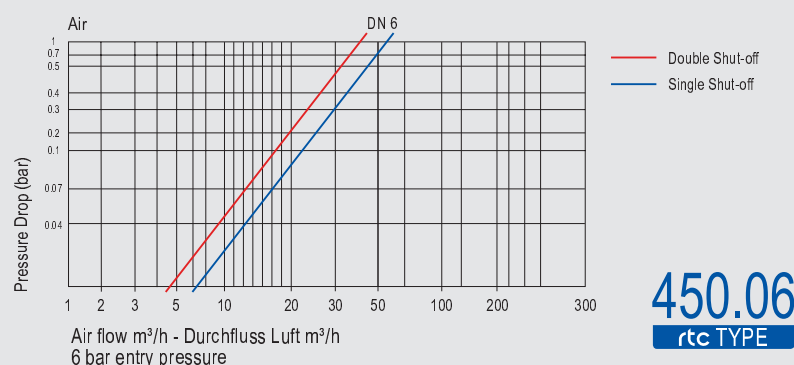
Material of stainless steel version

Material für die Edelstahlversion

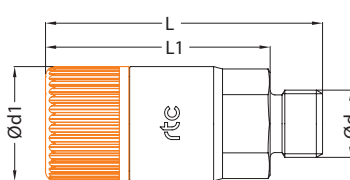
Socket Body -	Stainless steel
Kupplungsgrundkörper	Edelstahl
Back Part - Hinterteil	Stainless steel - Edelstahl
Sleeve - Hülse	Stainless steel - Edelstahl
Springs - Federn	Stainless steel - Edelstahl
Seals - Dichtungen	FPM (V)
Plug - Nippel	Stainless steel - Edelstahl



Flow Rate vs Pressure Drop Graph

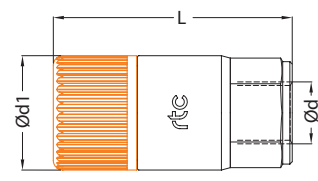


rtc TYPE 450.06 Metal sleeve socket with male thread / Kupplung mit Metallhülse und Aussengewinde

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 SS	BSP 1/4	24	55.5	45.5	20
	6	R303 00 593	450.06 SMB 17 SS	BSP 3/8	24	55.5	45.5	20
	6	R303 00 594	450.06 SMB 21 SS	BSP 1/2	24	57.5	45.5	22
	6	R303 00 601	450.06 STB 13 SS	NPT 1/4	24	57.5	45.5	20
	6	R303 00 602	450.06 STB 17 SS	NPT 3/8	24	57.5	45.5	20

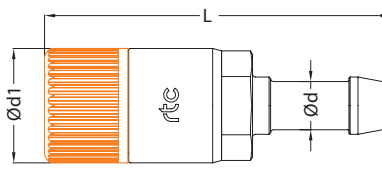
*SS: Stainless Steel / Edelstahl

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 SS	BSP 1/8	24	52.5	-	20
	6	R303 00 589	450.06 SFB 13 SS	BSP 1/4	24	52.5	-	20
	6	R303 00 590	450.06 SFB 17 SS	BSP 3/8	24	52.5	-	20
	6	R303 00 591	450.06 SFB 21 SS	BSP 1/2	24	54.5	-	24
	6	R303 00 599	450.06 SNB 13 SS	NPT 1/4	24	53.5	-	20
	6	R303 00 600	450.06 SNB 17 SS	NPT 3/8	24	53.5	-	20

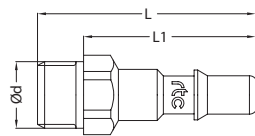
*SS: Stainless Steel / Edelstahl

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 SS	Ø6 - 1/4	24	68.5	-	-
	6	R303 00 596	450.06 SHB 08 SS	Ø8 - 5/16	24	68.5	-	-
	6	R303 00 597	450.06 SHB 10 SS	Ø10 - 3/8	24	71.5	-	-
	6	R303 00 598	450.06 SHB 13 SS	Ø13 - 1/2	24	71.5	-	-

*SS: 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	461.06 PMF 10	BSP 1/8	-	44	36	14
	6	R255 00 091	461.06 PMF 13	BSP 1/4	-	47	36	14
	6	R255 00 092	461.06 PMF 17	BSP 3/8	-	52	40	19
	6	R255 00 112	461.06 PTF 13	NPT 1/4	-	47	45	14
	6	R255 00 117	461.06 PTF 17	NPT 3/8	-	53	48	19
	6	R355 00 125	461.06 PMF 13 SS	BSP 1/4	-	44	36	14
	6	R355 00 126	461.06 PMF 17 SS	BSP 3/8	-	47	36	14
	6	R355 00 127	461.06 PMF 21 SS	BSP 1/2	-	52	40	19
	6	R355 00 129	461.06 PTF 13 SS	NPT 1/4	-	47	45	14
	6	R355 00 130	461.06 PTF 17 SS	NPT 3/8	-	53	48	19

*SS: 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	HE
	6	R255 00 100	461.06 PFF 10	BSP 1/8	-	42	-	14
	6	R255 00 088	461.06 PFF 13	BSP 1/4	-	46.5	-	17
	6	R255 00 119	461.06 PNF 13	NPT 1/4	-	46.5	-	17
	6	R355 00 123	461.06 PFF 10 SS	BSP 1/8	-	42	-	14
	6	R355 00 124	461.06 PFF 13 SS	BSP 1/4	-	46.5	-	17
	6	R355 00 208	461.06 PNF 13 SS	NPT 1/4	-	48	-	17
	6	R355 00 264	461.06 PNF 17 SS	NPT 3/8	-	50	-	19

*SS: 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	HE
	6	R255 00 113	461.06 PHF 06	Ø6 - 1/4	12	56	-	-
	6	R255 00 114	461.06 PHF 08	Ø8 - 5/16	12	56	-	-
	6	R255 00 115	461.06 PHF 10	Ø10 - 3/8	13	56	-	-
	6	R255 00 116	461.06 PHF 13	Ø13 - 1/2	16.5	60	-	-
	6	R355 00 102	461.06 PHF 06 SS	Ø6 - 1/4	12	56	-	-
	6	R355 00 103	461.06 PHF 08 SS	Ø8 - 5/16	12	56	-	-
	6	R355 00 104	461.06 PHF 10 SS	Ø10 - 3/8	13	56	-	-
	6	R355 00 105	461.06 PHF 13 SS	Ø13 - 1/2	16.5	60	-	-

*SS: 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	HE
	6	R253 00 171	461.06 PMB 13	BSP 1/4	-	70	60	17
	6	R253 00 172	461.06 PMB 17	BSP 3/8	-	70	60	19
	6	-	461.06 PTB 13	NPT 1/4	-	72	60	17
	6	R353 00 119	461.06 PMB 13 SS	BSP 1/4	-	70	60	17
	6	R353 00 120	461.06 PMB 17 SS	BSP 3/8	-	70	60	19
	6	R353 00 311	461.06 PTB 13 SS	NPT 1/4	-	72	60	17
	6	R353 00 312	461.06 PTB 17 SS	NPT 3/8	-	73	60	19

*SS: 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	HE
	6	R253 00 169	461.06 PFB 13	BSP 1/4	-	72	-	17
	6	R253 00 170	461.06 PFB 17	BSP 3/8	-	72	-	22
	6	-	461.06 PNB 13	NPT 1/4	-	72	-	17
	6	R353 00 117	461.06 PFB 13 SS	BSP 1/4	-	72	-	17
	6	R353 00 118	461.06 PFB 17 SS	BSP 3/8	-	72	-	22
	6	R353 00 309	461.06 PNB 13 SS	NPT 1/4	-	72	-	17
	6	R353 00 310	461.06 PNB 17 SS	NPT 3/8	-	72	-	22

*SS: 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	HE
	6	R253 00 173	461.06 PHB 06	Ø6 - 1/4	-	79	-	17
	6	R253 00 174	461.06 PHB 08	Ø8 - 5/16	-	79	-	17
	6	R253 00 175	461.06 PHB 10	Ø10 - 3/8	-	79	-	17
	6	R353 00 121	461.06 PHB 06 SS	Ø6 - 1/4	-	79	-	17
	6	R353 00 122	461.06 PHB 08 SS	Ø8 - 5/16	-	79	-	17
	6	R353 00 123	461.06 PHB 10 SS	Ø10 - 3/8	-	79	-	17
	6	R353 00 313	461.06 PHB 13 SS	Ø13 - 1/2	-	82	-	17

*SS: Stainless Steel / Edelstahl