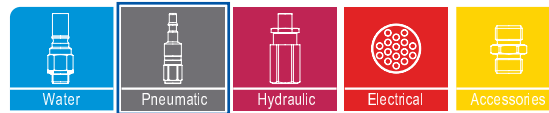


rtc[®]

QUICK CONNECT TECHNOLOGY

www.rtc-tec.com



451.06

rtc TYPE





Compatible - Kompatibilität

rtc	170.06
rtc	171.06
rtc	173.06
rtc	450.06
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 451.06 5.5mm (1/4")

Standard version - Standardversion

Seals - Dichtung : Nitrile (N)

Material of standard version with plastic release ring

Material für die Standardversion mit Kunststoffauslösering

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
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Advantages

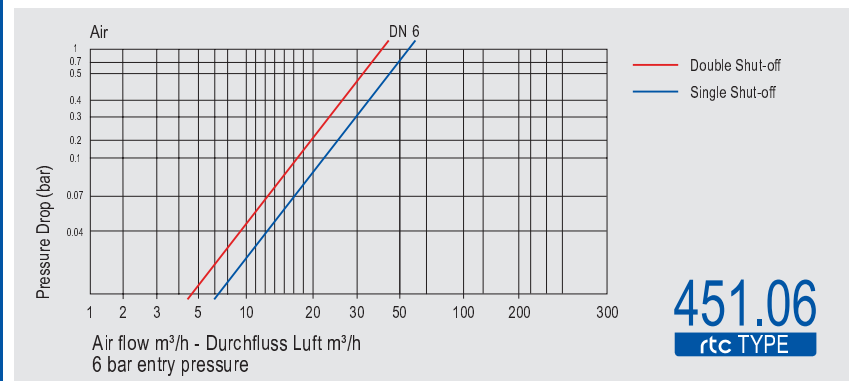
- The system perfectly fits to the ISO 4414, EN 983 safety requirements.
- Plug profile perfectly fits to the ISO 6150-C-10, AFNOR C-10 NF E 49-053
- 2 stage disconnection safety feature
- Through flow, minimum pressure loss
- Negligible Connecting Force
- Smart and Ergonomic features
- Ease of Handling
- Optimised Size

Vorteil

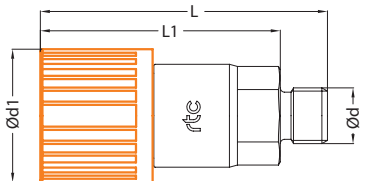
- Sicherheit gemäß ISO 4414, EN 983
- Stecknippel gemäß ISO 6150-C-10, AFNOR C-10 NF E 49-053
- 2 stufen Sicherheitsentriegelung
- Voller Durchgang, sehr geringer Druckverlust
- Einflache Bedienung, sehr geringe Kuppelkraft
- Kompakte Bauform



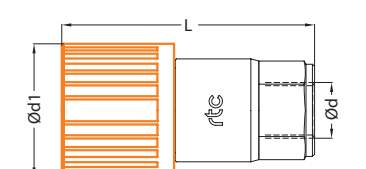
Flow Rate vs Pressure Drop Graph



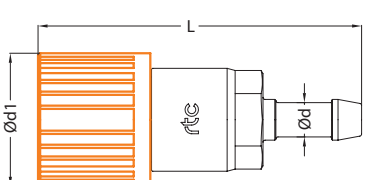
rtc TYPE 451.06 Plastic sleeve socket with male thread / Kupplung mit Kunststoffdrehhülse und Aussengewinde

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

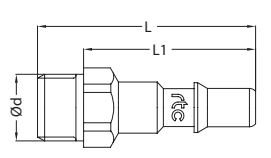
rtc TYPE 451.06 Plastic sleeve socket with female thread / Kupplung mit Kunststoffdrehhülse und Innengewinde

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

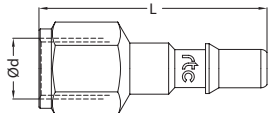
Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R255 00 093	461.06 PMF 10	BSP 1/8	-	44	36	14
	6	R255 00 091	461.06 PMF 13	BSP 1/4	-	47	36	14
	6	R255 00 092	461.06 PMF 17	BSP 3/8	-	52	40	19
	6	R255 00 112	461.06 PTF 13	NPT 1/4	-	48	45	14
	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	-	48	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 451.06

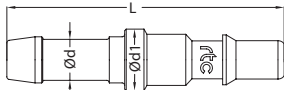
Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HE
	6	R255 00 100	461.06 PFF 10	BSP 1/8	-	42	-	14
	6	R255 00 088	461.06 PFF 13	BSP 1/4	-	46.5	-	17
	6	R255 00 119	461.06 PNF 13	NPT 1/4	-	46.5	-	17
	6	R355 00 123	461.06 PFF 10 SS	BSP 1/8	-	42	-	14
	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

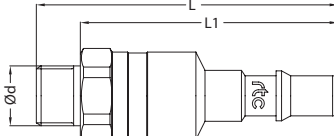
Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HE
	6	R255 00 113	461.06 PHF 06	Ø6 - 1/4	12	56	-	-
	6	R255 00 114	461.06 PHF 08	Ø8 - 5/16	12	56	-	-
	6	R255 00 115	461.06 PHF 10	Ø10 - 3/8	13	56	-	-
	6	R255 00 116	461.06 PHF 13	Ø13 - 1/2	16.5	60	-	-
	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

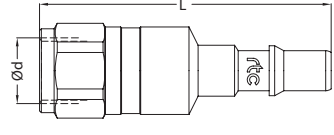
Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HE
	6	R253 00 171	461.06 PMB 13	BSP 1/4	-	70	60	17
	6	R253 00 172	461.06 PMB 17	BSP 3/8	-	70	60	19
	6	-	461.06 PTB 13	NPT 1/4	-	72	60	17
	6	R353 00 119	461.06 PMB 13 SS	BSP 1/4	-	70	60	17
	6	R353 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

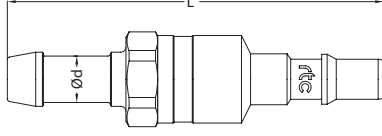
Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HE
	6	R253 00 169	461.06 PFB 13	BSP 1/4	-	72	-	17
	6	R253 00 170	461.06 PFB 17	BSP 3/8	-	72	-	22
	6	-	461.06 PNB 13	NPT 1/4	-	72	-	17
	6	R353 00 117	461.06 PFB 13 SS	BSP 1/4	-	72	-	17
	6	R353 00 118	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