

rtc[®]

QUICK CONNECT TECHNOLOGY

www.rtc-tec.com



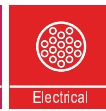
Water



Pneumatic



Hydraulic



Electrical



Accessories

451.08

rtc TYPE





Compatible - Kompatibilität

rtc	170.08
rtc	171.08
rtc	173.08
rtc	450.08
rtc	461.08 / 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 451.08 8mm (3/8")

Standard version - Standardversion

Seals - Dichtung : Nitrile (N)

Material of standard version with plastic release ring

Material für die Standardversion mit Kunststoffauslösering

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

Plug	Steel tenifer threaded
Nippel	Stahl teneferiert

Advantages

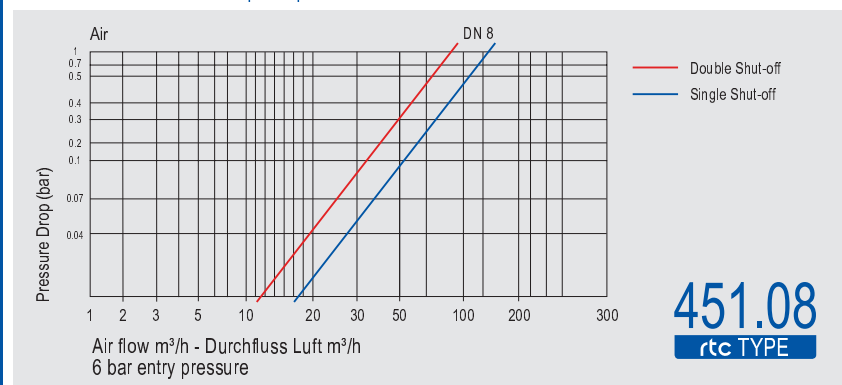
- The system perfectly fits to the ISO 4414, EN 983 safety requirements.
- Plug profile perfectly fits to the ISO 6150-C-14, AFNOR C-14 NF E 49-053
- 2 stage disconnection safety feature
- Through flow, minimum pressure loss
- Negligible Connecting Force
- Smart and Ergonomic features
- Ease of Handling
- Optimised Size

Vorteil

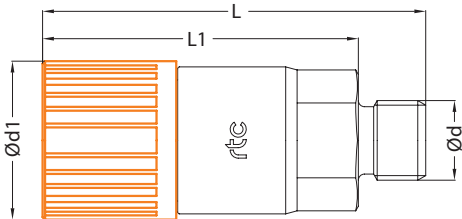
- Sicherheit gemäß ISO 4414, EN 983
- Stecknippel gemäß ISO 6150-C-14, AFNOR C-14 NF E 49-053
- 2 stufen Sicherheitsentriegelung
- Voller Durchgang, sehr geringer Druckverlust
- Einfache Bedienung, sehr geringe Kuppelkraft
- Kompakte Bauform



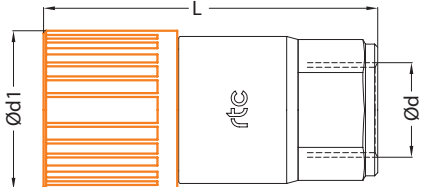
Flow Rate vs Pressure Drop Graph



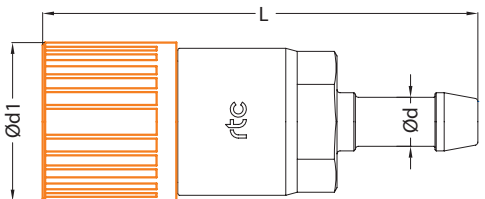
rtc TYPE 451.08 Plastic sleeve socket with male thread / Kupplung mit Kunststoffdrehhülse und Aussengewinde

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

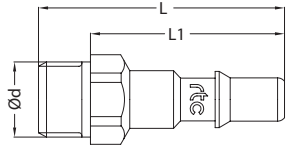
rtc TYPE 451.08 Plastic sleeve socket with female thread / Kupplung mit Kunststoffdrehhülse und Innengewinde

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

rtc 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	-	-

rtc TYPE 451.08 Male thread plug / Nippel mit Aussengewinde

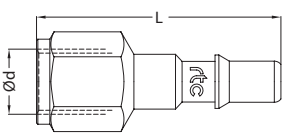
Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R255 00 101	461.08 PMF 13	BSP 1/4	-	55	44	17
	8	R255 00 102	461.08 PMF 17	BSP 3/8	-	57	44.5	19
	8	-	461.08 PMF 21	BSP 1/2	-	60	48	24
	8	R255 00 090	461.08 PTF 13	NPT 1/4	-	57	44.5	17
	8	R255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

Plug / Nippel	Size / Größe	Alternative Order No / Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HE
	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

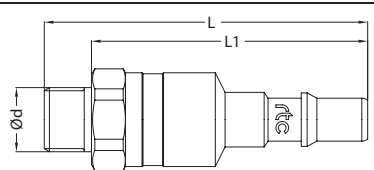
Plug / Nippel	Size / Größe	Alternative Order No / Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HE
	8	R255 00 107	461.08 PHF 08	Ø8 - 5/16	15	62	-	-
	8	R255 00 108	461.08 PHF 10	Ø10 - 3/8	15	62	-	-
	8	R255 00 109	461.08 PHF 13	Ø13 - 1/2	17	66	-	-
	8	R255 00 110	461.08 PHF 16	Ø16 - 5/8	19	66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

Plug / Nippel	Size / Größe	Alternative Order No / Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HE
	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

Plug / Nippel	Size / Größe	Alternative Order No / Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HE
	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

Plug / Nippel	Size / Größe	Alternative Order No / Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HE
	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

*SS: Stainless Steel / Edelstahl