



# rtc<sup>®</sup>

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



## 461.08

rtc TYPE





Compatible - Kompatibilität

rtc	170.08
rtc	171.08
rtc	173.08
rtc	450.08
rtc	451.08

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 461.08 8mm (3/8")

Standard version - Standardversion

Seals - Dichtung : Nitrile (N)

Material of Standard Coupler / Material für die Standardversion

Body / Housing -	Steel tenifer threated
Kupplungsgrundkörper/Gehäuse	Stahl teneferiert
Inner Part / Cylinder -	Surface hardened steel
	Zinc-nickel plated
Innenteil / Zylinder	Stahl gehärtet, Zink-Nickel beschichtet
Back Part - Hinterteil	Steel zinc plated - Stahl verzinkt
Sleeve -	Zinc diecasted, nickel plated & orange plastic coated
Hülse	Zink-Druckguss, vernickelt und orange Gummi beschichtet
Springs - Federn	Stainless steel - Edelstahl
Seals - Dichtungen	Nitrile (N)
Plug -	Steel Tenifer Threated
Nippel	Stahl Teneferiert
Plug -	Steel tenifer threated
Nippel	Stahl teneferiert

Advantages

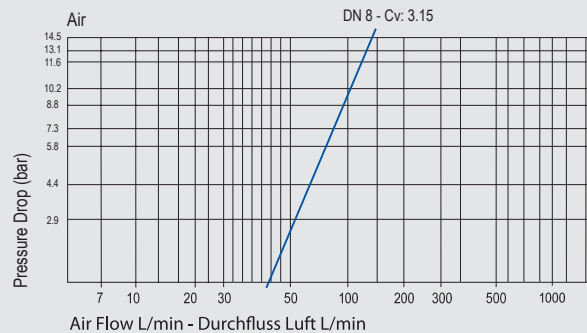
- The system perfectly fits to the ISO 4414, EN 983 safety requirements.
- Plug profile perfectly fits to the ISO 6150-C-14, AFNOR C-14 NF E 49-053
- Through flow, minimum pressure loss.
- Negligible Connecting Force
- Smart and Ergonomic features
- Ease of Handling
- Optimised Size

Vorteil

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



Flow Rate vs Pressure Drop Graph



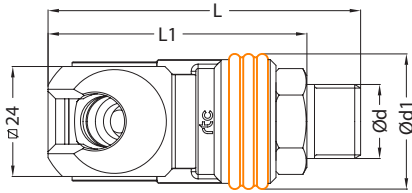
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**rtc** TYPE 461.08

Male thread socket / Kupplung mit Aussengewinde



Socket / Kupplung



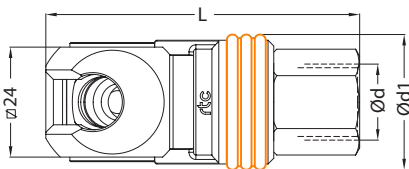
Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
8	R205 00 121	461.08 SMO 13	BSP 1/4	30	69.5	58.5	20
8	R205 00 122	461.08 SMO 17	BSP 3/8	30	69.5	58.5	20
8	R205 00 123	461.08 SMO 21	BSP 1/2	30	71.5	59.5	22
8	R205 00 283	461.08 STO 13	NPT 1/4	30	70.5	56.5	20
8	R205 00 124	461.08 STO 17	NPT 3/8	30	71.5	57.5	20
8	R205 00 125	461.08 STO 21	NPT 1/2	30	78.5	59.5	22

**rtc** TYPE 461.08

Female thread socket / Kupplung mit Innengewinde



Socket / Kupplung



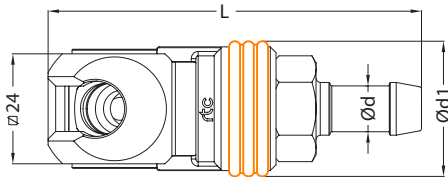
Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
8	R205 00 115	461.08 SFO 13	BSP 1/4	30	68.5	-	20
8	R205 00 116	461.08 SFO 17	BSP 3/8	30	68.5	-	20
8	R205 00 117	461.08 SFO 21	BSP 1/2	30	69.5	-	24
8	R205 00 118	461.08 SNO 13	NPT 1/4	30	68.5	-	20
8	R205 00 119	461.08 SNO 17	NPT 3/8	30	68.5	-	20
8	R205 00 120	461.08 SNO 21	NPT 1/2	30	69.5	-	24

**rtc** TYPE 461.08

Socket with hose barb / Kupplung mit Schlauchanschluss



Socket / Kupplung



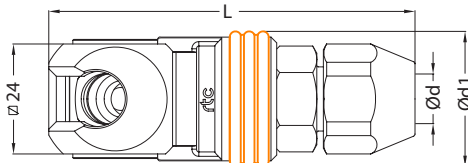
Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
8	R205 00 126	461.08 SHO 08	Ø8 - 5/16	30	79	-	-
8	R205 00 127	461.08 SHO 10	Ø10 - 3/8	30	79	-	-
8	R205 00 128	461.08 SHO 13	Ø13 - 1/2	30	79	-	-

**rtc** TYPE 461.08

Socket with plastic hose connection / Kupplung mit Kunststoffschlauchanschluss

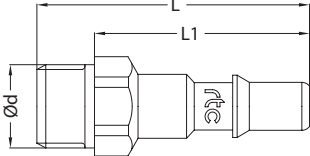


Socket / Kupplung

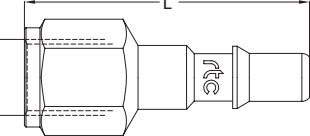


Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
8	R205 00 129	461.08 SVO 0610	6.5x10	30	80	-	22
8	R205 00 130	461.08 SVO 0812	8x12	30	80	-	22
8	R205 00 131	461.08 SVO 1116	11x16	30	84	-	27

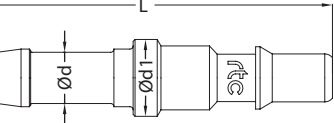
Plug with male thread / Nippel mit Aussengewinde TYPE 461.08 **rtc**

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	R255 00 359	461.08 PTF 21	NPT 1/2	-	64	47	24

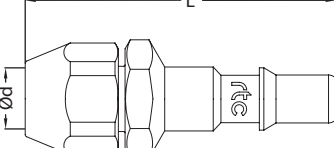
Plug with female thread / Nippel mit Innengewinde TYPE 461.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	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	-	59	-	27

Plug with hose barb / Nippel mit Schlauchanschluss TYPE 461.08 **rtc**

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

Plug with plastic hose connection / Nippel mit Kunststoffschlauchanschluss TYPE 461.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	-	461.08 PVF 0812	8x12	-	72	-	22
	8	-	461.08 PVF 1116	11x16	-	77	-	27