

# rtc<sup>®</sup>

QUICK CONNECT TECHNOLOGY

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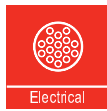
Water



Pneumatic



Hydraulic



Electrical



Accessories

## 461.06

rtc TYPE





Compatible - Kompatibilität

rtc	170.06
rtc	171.06
rtc	173.06
rtc	450.06
rtc	451.06

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 461.06 5.5mm (1/4")

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

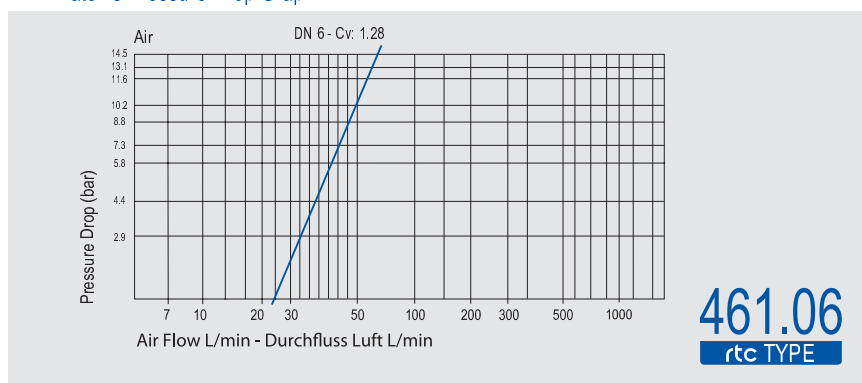
- The system perfectly fits to the ISO 4414, EN 983 safety requirements.
- Plug profile perfectly fits to the ISO 6150-C-10, AFNOR C-10 NF E 49-053
- Through flow, minimum pressure loss.
- Negligible Connecting Force
- Smart and Ergonomic features
- Ease of Handling
- Optimised Size

Vorteil

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



Flow Rate vs Pressure Drop Graph

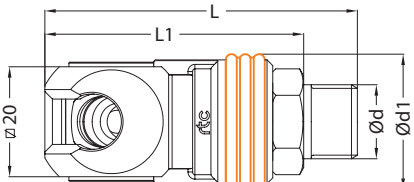


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Male thread socket / Kupplung mit Aussengewinde

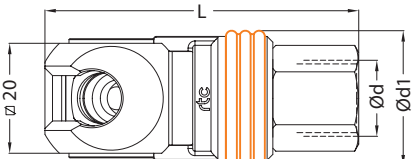


Socket / Kupplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R205 00 163	461.06 SMO 13	BSP 1/4	25	59.5	48.5	19
	6	R205 00 164	461.06 SMO 17	BSP 3/8	25	59.5	48.5	19
	6	R205 00 165	461.06 SMO 21	BSP 1/2	25	61.5	49.5	22
	6	R205 00 166	461.06 STO 13	NPT 1/4	25	60.5	48.5	19
	6	R205 00 167	461.06 STO 17	NPT 3/8	25	62.5	48.5	19
	6	R205 00 168	461.06 STO 21	NPT 1/2	25	68.5	49.5	22

rtc TYPE 461.06

Female thread socket / Kupplung mit Innengewinde

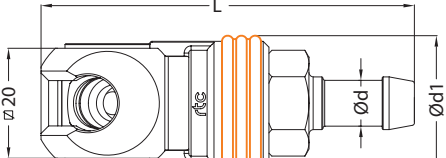


Socket / Kupplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R205 00 156	461.06 SFO 13	BSP 1/4	25	56.5	-	19
	6	R205 00 157	461.06 SFO 17	BSP 3/8	25	58.5	-	20
	6	R205 00 158	461.06 SFO 21	BSP 1/2	25	60.5	-	24
	6	R205 00 160	461.06 SNO 13	NPT 1/4	25	57.5	-	19
	6	R205 00 161	461.06 SNO 17	NPT 3/8	25	59.5	-	20
	6	R205 00 162	461.06 SNO 21	NPT 1/2	25	65.5	-	24

rtc TYPE 461.06

Socket with hose barb / Kupplung mit Schlauchanschluss

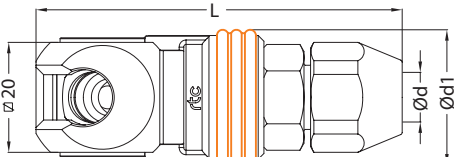


Socket / Kupplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R205 00 169	461.06 SHO 06	Ø6 - 1/4	25	69	-	-
	6	R205 00 170	461.06 SHO 08	Ø8 - 5/16	25	69	-	-
	6	R205 00 171	461.06 SHO 10	Ø10 - 3/8	25	69	-	-

rtc TYPE 461.06

Socket with plastic hose connection / Kupplung mit Kunststoffschlauchanschluss

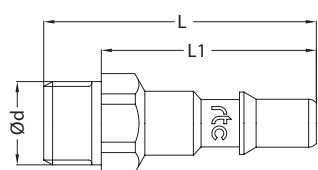


Socket / Kupplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R205 00 276	461.06 SVO 0610	6.5x10	25	70	-	22
	6	R205 00 277	461.06 SVO 0812	8x12	25	70	-	22



Plug with male thread / Nippel mit Aussengewinde

TYPE 461.06

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HE
	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 00 111	461.06 PTF 10	NPT 1/8	-	44	36	14
	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



Plug with female thread / Nippel mit Innengewinde

TYPE 461.06

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	-	461.06 PFF 17	BSP 3/8	-	50	-	23
	6	R255 00 118	461.06 PNF 10	NPT 1/8	-	42	-	14
	6	R255 00 119	461.06 PNF 13	NPT 1/4	-	46.5	-	17
	6	R255 00 286	461.06 PNF 17	NPT 3/8	-	51	-	23



Plug with hose barb / Nippel mit Schlauchanschluss

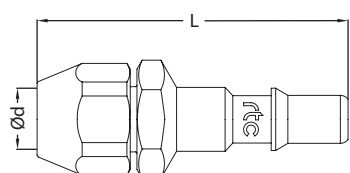
TYPE 461.06

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	-	-



Plug with plastic hose connection / Nippel mit Kunststoffschlauchanschluss

TYPE 461.06

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HE
	6	-	461.06 PVF 0610	6.5x10	-	65	-	23
	6	-	461.06 PVF 0812	8.0x12	-	65	-	23