



# rtc<sup>®</sup>

COUPLING TECHNOLOGY



## 464.08

rtc TYPE





**Compatible - Kompatibilität**

rtc	013
Nitto Kohki	20 & 30 & 40
Cejn	315
Rectus	13

**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 464.08 8mm (3/8")

**Standard version - Standardversion**

Seals - Dichtung : Nitrile (N)

**Material of Standard Coupler /  
Material für die Standardversion**

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

**Advantages**

- The system perfectly fits to the **ISO 4414, EN 983** safety requirements.
- Through flow, minimum pressure loss.
- Negligible Connecting Force
- Smart and Ergonomic features
- Ease of Handling
- Optimised Size

**Vorteil**

- Sicherheit gemäß **ISO 4414, EN 983**
- Voller Durchgang, sehr geringer Druckverlust
- Einfache Bedienung, sehr geringe Kuppelkraft
- Kompakte Bauform

**Aluminium Version (AL)**

- Light weight 75g

**Aluminum Version (AL)**

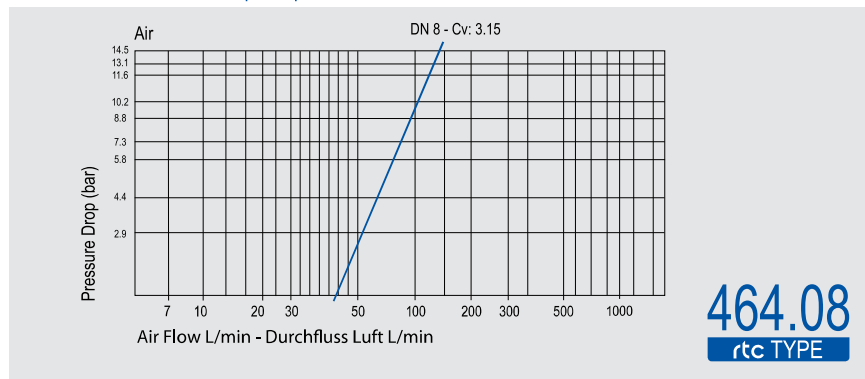
- Geringes Gewicht 75g

**Material of Aluminium Coupler (DL type) /  
Material für die Aluminium Version (DL Typ.)**

Body / Housing - Kupplungsgrundkörper/Gehäuse	Aluminium Aluminum
Inner Part / Cylinder - Innenteil / Zylinder	Surface hardened steel Zinc-nickel plated Stahl gehärtet, Zink-Nickel Beschichtet
Back Part - Hinterteil Sleeve - Hülse	Aluminium - Aluminum Zinc diecasted, nickel plated & orange plastic coated Zink-Druckguss, vernickelt & orange Gummi beschichtet
Springs - Federn Seals - Dichtungen	Stainless steel - Edelstahl FPM (V)
Plug - Nippel	Surface Hardened Steel, Galvanized Stahl gehärtet, verzinkt



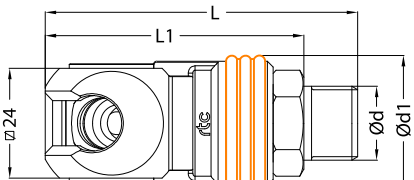
**Flow Rate vs Pressure Drop Graph**



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Male thread socket / Kupplung mit Aussengewinde



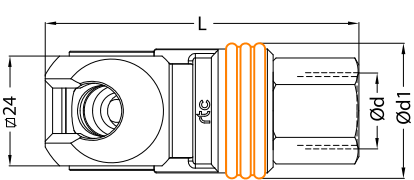
Socket / Kupplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R205 00 053	464.08 SMO 13	BSP 1/4	30	69.5	58.5	20
	8	R205 00 021	464.08 SMO 17	BSP 3/8	30	69.5	58.5	20
	8	R205 00 022	464.08 SMO 21	BSP 1/2	30	71.5	59.5	22
	8	R205 00 426	464.08 STO 13	NPT 1/4	30	70.5	56.5	20
	8	R205 00 037	464.08 STO 17	NPT 3/8	30	71.5	57.5	20
	8	R205 00 038	464.08 STO 21	NPT 1/2	30	78.5	59.5	22
	8	R205 00 063	464.08 SMO 13 AL	BSP 3/8	30	69.5	58.5	20
	8	R205 00 064	464.08 SMO 17 AL	BSP 1/2	30	69.5	58.5	20
	8	R205 00 065	464.08 SMO 21 AL	BSP 3/4	30	71.5	59.5	22
	8	R205 00 427	464.08 STO 13 AL	NPT 3/8	30	70.5	56.5	20
	8	R205 00 075	464.08 STO 17 AL	NPT 1/2	30	71.5	57.5	20
	8	R205 00 076	464.08 STO 21 AL	NPT 3/4	30	78.5	59.5	22

\*AL: Aluminium

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Female thread socket / Kupplung mit Innengewinde



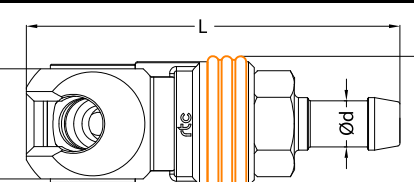
Socket / Kupplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R205 00 018	464.08 SFO 13	BSP 1/4	30	68.5	-	20
	8	R205 00 019	464.08 SFO 17	BSP 3/8	30	68.5	-	20
	8	R205 00 020	464.08 SFO 21	BSP 1/2	30	69.5	-	24
	8	R205 00 034	464.08 SNO 13	NPT 1/4	30	68.5	-	20
	8	R205 00 035	464.08 SNO 17	NPT 3/8	30	68.5	-	20
	8	R205 00 036	464.08 SNO 21	NPT 1/2	30	69.5	-	24
	8	R205 00 060	464.08 SFO 13 AL	BSP 3/8	30	68.5	-	20
	8	R205 00 061	464.08 SFO 17 AL	BSP 1/2	30	68.5	-	20
	8	R205 00 062	464.08 SFO 21 AL	BSP 3/4	30	69.5	-	24
	8	R205 00 072	464.08 SNO 13 AL	NPT 3/8	30	68.5	-	20
	8	R205 00 073	464.08 SNO 17 AL	NPT 1/2	30	68.5	-	20
	8	R205 00 074	464.08 SNO 21 AL	NPT 3/4	30	69.5	-	24

\*AL: Aluminium

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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 00 054	464.08 SHO 08	Ø8 - 5/16	30	79	-	-
	8	R205 00 055	464.08 SHO 10	Ø10 - 3/8	30	79	-	-
	8	R205 00 056	464.08 SHO 13	Ø13 - 1/2	30	79	-	-
	8	R205 00 077	464.08 SHO 08 AL	Ø8 - 5/16	30	79	-	-
	8	R205 00 078	464.08 SHO 10 AL	Ø10 - 3/8	30	79	-	-
	8	R205 00 079	464.08 SHO 13 AL	Ø13 - 1/2	30	79	-	-

\*AL: Aluminium

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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 00 057	464.08 SVO 0610	6.5x10	30	80	-	22
	8	R205 00 058	464.08 SVO 0812	8.0x12	30	80	-	22
	8	R205 00 059	464.08 SVO 1116	11x16	30	84	-	27
	8	R205 00 080	464.08 SVO 0610 AL	6.5x10	30	80	-	22
	8	R205 00 081	464.08 SVO 0812 AL	8x12	30	80	-	22
	8	R205 00 082	464.08 SVO 1116 AL	11x16	30	84	-	27

\*AL: Aluminium

Plug with male thread / Nippel mit Aussengewinde TYPE 464.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R255 00 032	464.08 PMF 13	BSP 1/4	-	41	30	14
	8	R255 00 033	464.08 PMF 17	BSP 3/8	-	43	32	19
	8	R255 00 034	464.08 PMF 21	BSP 1/2	-	47	33	24
	8	R255 00 058	464.08 PTF 13	NPT 1/4	-	42	30	14
	8	R255 00 059	464.08 PTF 17	NPT 3/8	-	44	32	19
	8	R255 00 060	464.08 PTF 21	NPT 1/2	-	50	33	22

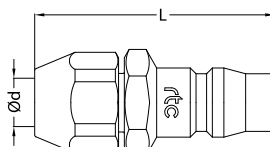
Plug with female thread / Nippel mit Innengewinde TYPE 464.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R255 00 035	464.08 PFF 13	BSP 1/4	-	43	-	17
	8	R255 00 036	464.08 PFF 17	BSP 3/8	-	44	-	19
	8	R255 00 037	464.08 PFF 21	BSP 1/2	-	48.5	-	27
	8	R255 00 061	464.08 PNF 13	NPT 1/4	-	43	-	17
	8	R255 00 062	464.08 PNF 17	NPT 3/8	-	44	-	22
	8	R255 00 063	464.08 PNF 21	NPT 1/2	-	49	-	27

Plug with hose barb / Nippel mit Schlauchanschluss TYPE 464.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R255 00 038	464.08 PHF 08	Ø8 - 5/16	14	51	-	-
	8	R255 00 039	464.08 PHF 10	Ø10 - 3/8	14	51	-	-
	8	R255 00 040	464.08 PHF 13	Ø13 - 1/2	16	51	-	-

Plug with plastic hose connection / Nippel mit Kunststoffschlauchanschluss TYPE 464.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	-	464.08 PVF 0610	6.5x10	-	52	-	22
	8	-	464.08 PVF 0812	8x12	-	52	-	22
	8	-	464.08 PVF 1116	11x16	-	56	-	27