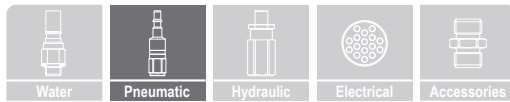




# rtc<sup>®</sup>

COUPLING TECHNOLOGY



## 460.06

rtc TYPE



**Compatible - Kompatibilität**

Ind. Interchange	1/4
rtc	023
Cejn	310
Parker	B23
Rectus	23
Foster	3003
AMFLO	C208
Hansen	1000

**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 460.06 5.5mm (1/4")

**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	Stainless steel - Edelstahl
Seals - Dichtungen	Nitrile (N)
Plug - Nippel	Surface hardened steel, galvanized Stahl gehärtet, verzinkt

**Advantages**

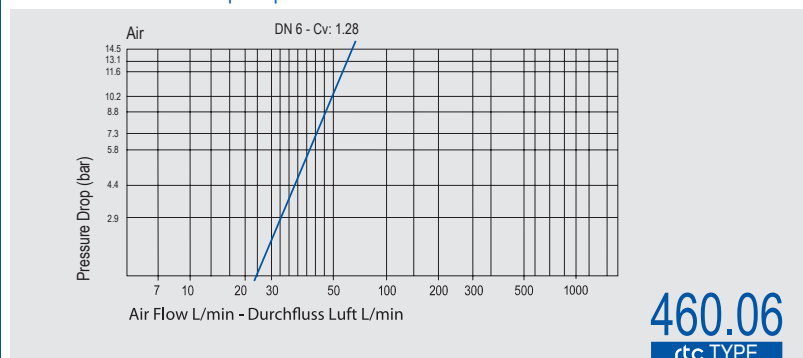
- The system perfectly fits to the **ISO 4414**, **EN 983** safety requirements.
- Plug profile perfectly fits to the **ISO 6150-B-12**, **AFNOR B-12 NF E 49-053**, **US MIL C-4109**
- Through flow, minimum pressure loss.
- Negligible Connecting Force
- Smart and Ergonomic features
- Ease of Handling
- Optimised Size

**Vorteil**

- Sicherheit gemäß **ISO 4414**, **EN 983**
- Stecknippel gemäß **ISO 6150-B-12**, **AFNOR B-12 NF E 49-053**, **US MIL C-4109**
- Voller Durchgang, sehr geringer Druckverlust
- Einflache Bedienung, sehr geringe Kuppelkraft
- Kompakte Bauform



**Flow Rate vs Pressure Drop Graph**



**rtc** TYPE 460.06

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 00 314	460.06 SMO 13	BSP 1/4	25	59.5	48.5	19
	6	R205 00 315	460.06 SMO 17	BSP 3/8	25	59.5	48.5	19
	6	R205 00 316	460.06 SMO 21	BSP 1/2	25	61.5	49.5	22
	6	R205 00 317	460.06 STO 13	NPT 1/4	25	60.5	48.5	19
	6	R205 00 318	460.06 STO 17	NPT 3/8	25	62.5	48.5	19
	6	R205 00 319	460.06 STO 21	NPT 1/2	25	68.5	49.5	22

**rtc** TYPE 460.06

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 00 307	460.06 SFO 13	BSP 1/4	25	56.5	-	19
	6	R205 00 308	460.06 SFO 17	BSP 3/8	25	58.5	-	19
	6	R205 00 309	460.06 SFO 21	BSP 1/2	25	60.5	-	24
	6	R205 00 310	460.06 SNO 10	NPT 1/8	25	55.5	-	19
	6	R205 00 311	460.06 SNO 13	NPT 1/4	25	57.5	-	19
	6	R205 00 312	460.06 SNO 17	NPT 3/8	25	59.5	-	20
	6	R205 00 313	460.06 SNO 21	NPT 1/2	25	65.5	-	24

**rtc** TYPE 460.06

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 00 320	460.06 SHO 06	Ø6 - 1/4	25	69	-	-
	6	R205 00 321	460.06 SHO 08	Ø8 - 5/16	25	69	-	-
	6	R205 00 322	460.06 SHO 10	Ø10 - 3/8	25	69	-	-
	6	R205 00 323	460.06 SHO 13	Ø13 - 1/2	25	69	-	-

**rtc** TYPE 460.06

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 00 324	460.06 SVO 0610	6.5x10	25	70	-	22
	6	R205 00 325	460.06 SVO 0812	8x12	25	70	-	22

Plug with male thread / Nippel mit Aussengewinde TYPE 460.06 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No / Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R255 00 011	460.06 PMF 10	BSP 1/8	-	38	30	14
	6	R255 00 012	460.06 PMF 13	BSP 1/4	-	42	31	14
	6	-	460.06 PMF 17	BSP 3/8	-	43.5	32.5	19
	6	R255 00 013	460.06 PTF 10	NPT 1/8	-	41	32	14
	6	R255 00 014	460.06 PTF 13	NPT 1/4	-	44	32	14
	6	R255 00 069	460.06 PTF 17	NPT 3/8	-	47	35	19

Plug with female thread / Nippel mit Innengewinde TYPE 460.06 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No / Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R255 00 015	460.06 PFF 10	BSP 1/8	-	42	-	14
	6	R255 00 016	460.06 PFF 13	BSP 1/4	-	42.5	-	17
	6	-	460.06 PFF 17	BSP 3/8	-	43.5	-	19
	6	R255 00 017	460.06 PNF 10	NPT 1/8	-	39	-	14
	6	R255 00 018	460.06 PNF 13	NPT 1/4	-	43	-	17
	6	R255 00 274	460.06 PNF 17	NPT 3/8	-	44	-	19

Plug with hose barb / Nippel mit Schlauchanschluss TYPE 460.06 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No / Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	R255 00 019	460.06 PHF 06	Ø6 - 1/4	14	51	-	-
	6	R255 00 020	460.06 PHF 08	Ø8 - 5/16	14	51	-	-
	6	R255 00 021	460.06 PHF 10	Ø10 - 3/8	14	51	-	-

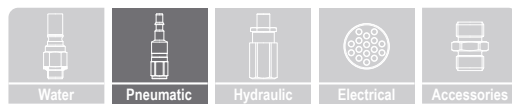
Plug with plastic hose connection / Nippel mit Kunststoffschlauchanschluss TYPE 460.06 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No / Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	6	-	460.06 PVF 0610	6.5x10	-	54	-	22
	6	R255 00 413	460.06 PVF 0812	8x12	-	54	-	22



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COUPLING TECHNOLOGY



## 460.08

rtc TYPE



**Compatible - Kompatibilität**

Ind. Interchange	3/8
rtc	030
Cejn	430
Parker	25F
Rectus	30
Foster	4404
AMFLO	C26
Hansen	440

**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 460.08 8mm (3/8")

**Standard version - Standardversion**

Seals - Dichtung : Nitrile (N)

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

Body / Housing -	Steel tenifer threaded
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 -	Surface hardened steel, galvanized
Nippel	Stahl gehärtet, verzinkt

**Advantages**

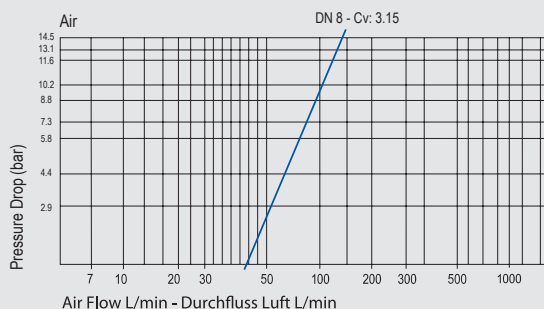
- The system perfectly fits to the **ISO 4414**, **EN 983** safety requirements.
- Plug profile perfectly fits to the **ISO 6150-B-15**, **AFNOR B-15 NF E 49-053**, **US MIL C-4109**
- Through flow, minimum pressure loss.
- Negligible Connecting Force
- Smart and Ergonomic features
- Ease of Handling
- Optimised Size

**Vorteil**

- Sicherheit gemäß **ISO 4414**, **EN 983**
- Stecknippel gemäß **ISO 6150-B-15**, **AFNOR B-15 NF E 49-053**, **US MIL C-4109**
- Voller Durchgang, sehr geringer Druckverlust
- Einfache Bedienung, sehr geringe Kuppelkraft
- Kompakte Bauform

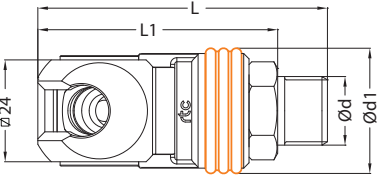


Flow Rate vs Pressure Drop Graph

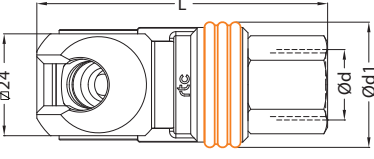


**460.08**  
rtc TYPE

**rtc** TYPE 460.08 Male thread socket / Kuplung mit Aussengewinde 

Socket / Kuplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R205 00 028	460.08 SMO 13	BSP 1/4	30	68.5	57.5	20
	8	R205 00 029	460.08 SMO 17	BSP 3/8	30	68.5	57.5	20
	8	R205 00 045	460.08 SMO 21	BSP 1/2	30	70.5	58.5	22
	8	R205 00 214	460.08 STO 13	NPT 1/4	30	69.5	57.5	20
	8	R205 00 030	460.08 STO 17	NPT 3/8	30	70.5	56.5	20
	8	R205 00 031	460.08 STO 21	NPT 1/2	30	77.5	58.5	22
	8	R205 00 039	460.08 SRO 13	BSPT 1/4	30	69.5	57.5	20
	8	R205 00 040	460.08 SRO 17	BSPT 3/8	30	70.5	56.5	20
	8	R205 00 041	460.08 SRO 21	BSPT 1/2	30	77.5	58.5	22

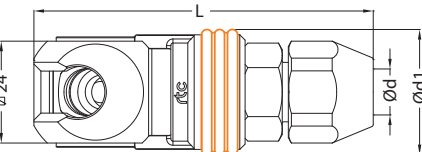
**rtc** TYPE 460.08 Female thread socket / Kuplung mit Innengewinde 

Socket / Kuplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R205 00 023	460.08 SFO 13	BSP 1/4	30	68.5	-	20
	8	R205 00 024	460.08 SFO 17	BSP 3/8	30	68.5	-	20
	8	R205 00 025	460.08 SFO 21	BSP 1/2	30	69.5	-	24
	8	R205 00 052	460.08 SNO 13	NPT 1/4	30	68.5	-	20
	8	R205 00 026	460.08 SNO 17	NPT 3/8	30	68.5	-	20
	8	R205 00 027	460.08 SNO 21	NPT 1/2	30	69.5	-	24
	8	R205 00 046	460.08 SQO 13	BSPT 1/4	30	68.5	-	20
	8	R205 00 047	460.08 SQO 17	BSPT 3/8	30	68.5	-	20
	8	R205 00 048	460.08 SQO 21	BSPT 1/2	30	69.5	-	24

**rtc** TYPE 460.08 Socket with hose barb / Kuplung mit Schlauchanschluss 

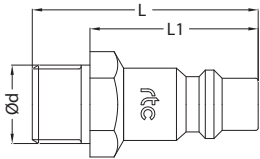
Socket / Kuplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R205 00 083	460.08 SHO 08	Ø8 - 5/16	30	82	-	-
	8	R205 00 084	460.08 SHO 10	Ø10 - 3/8	30	82	-	-
	8	R205 00 085	460.08 SHO 13	Ø13 - 1/2	30	82	-	-

**rtc** TYPE 460.08 Socket with plastic hose connection / Kuplung mit Kunststoffschlauchanschluss 

Socket / Kuplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R205 00 086	460.08 SVO 0610	6.5x10	30	69	-	22
	8	R205 00 087	460.08 SVO 0812	8x12	30	69	-	22
	8	R205 00 088	460.08 SVO 1116	11x16	30	75	-	27



Plug with male thread / Nippel mit Aussengewinde TYPE 460.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R255 00 041	460.08 PMF 13	BSP 1/4	-	46	35	17
	8	R255 00 042	460.08 PMF 17	BSP 3/8	-	46	35	19
	8	-	460.08 PMF 21	BSP 1/2	-	53	38	22
	8	R255 00 236	460.08 PTF 13	NPT 1/4	-	47	35	17
	8	R255 00 044	460.08 PTF 17	NPT 3/8	-	47	35	19
	8	R255 00 045	460.08 PTF 21	NPT 1/2	-	55	38	22

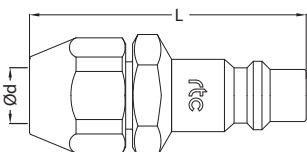
Plug with female thread / Nippel mit Innengewinde TYPE 460.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R255 00 046	460.08 PFF 13	BSP 1/4	-	42	-	17
	8	R255 00 047	460.08 PFF 17	BSP 3/8	-	46.5	-	19
	8	R255 00 048	460.08 PFF 21	BSP 1/2	-	50	-	24
	8	R255 00 237	460.08 PNF 13	NPT 1/4	-	42	-	17
	8	R255 00 049	460.08 PNF 17	NPT 3/8	-	46.5	-	22
	8	R255 00 050	460.08 PNF 21	NPT 1/2	-	51	-	27

Plug with hose barb / Nippel mit Schlauchanschluss TYPE 460.08 **rtc**

Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	R255 00 051	460.08 PHF 08	Ø8 - 5/16	16	54	-	-
	8	R255 00 052	460.08 PHF 10	Ø10 - 3/8	16	54	-	-
	8	R255 00 053	460.08 PHF 13	Ø13 - 1/2	16	54	-	-
	8	R255 00 054	460.08 PHF 16	Ø16 - 5/8	18	54	-	-

Plug with plastic hose connection / Nippel mit Kunststoffschlauchanschluss TYPE 460.08 **rtc**

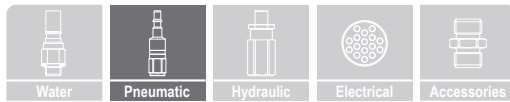
Plug / Nippel	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	8	-	460.08 PVF 0610	6.5x10		57		22
	8	R255 00 415	460.08 PVF 0812	8x12		57		22
	8	-	460.08 PVF 1116	11x16		65		27





# rtc<sup>®</sup>

COUPLING TECHNOLOGY



## 460.11

rtc TYPE





**Compatible - Kompatibilität**

Ind. Interchange	1/2
<b>rtc</b>	037
Cejn	550
Parker	17
Rectus	37
Foster	5205
AMFLO	C10
Hansen	520

**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 460.11** 11mm (1/2")

**Standard version - Standardversion**

Seals - Dichtung : Nitrile (N)

**Material of Standard Coupler (steel)**

**Material für die Standardversion (Stahl)**

Body / Housing -	Steel tenifer threaded
Kupplungsgrundkörper/Gehäuse	Stahl Ttneferiert
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 -	Steel zinc nickel plated & orange painted
Hülse	Stahl Zink-Nickel beschichtet und orange lackiert
Springs - Federn	Stainless steel - Edelstahl
Seals - Dichtungen	Nitrile (N)
Plug -	Surface hardened steel, galvanized
Nippel	Stahl gehärtet, verzinkt

**Advantages**

- The system perfectly fits to the **ISO 4414, EN 983** safety requirements.
- Plug profile perfectly fits to the **ISO 6150-C-17, AFNOR C-17 NF E 49-053, US MIL C-4109**
- 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-17, AFNOR C-17 NF E 49-053, US MIL C-4109**
- Voller Durchgang, sehr geringer Druckverlust
- Einfache Bedienung, sehr geringe Kuppelkraft
- Kompakte Bauform

**Brass Version (MS)**

- Corrosion and ozone proof
- Suitable for internal and external applications

**Messing Version (MS)**

- Korrosion- und ozonbeständig
- Geeignet für Innen- und Aussenanwendungen

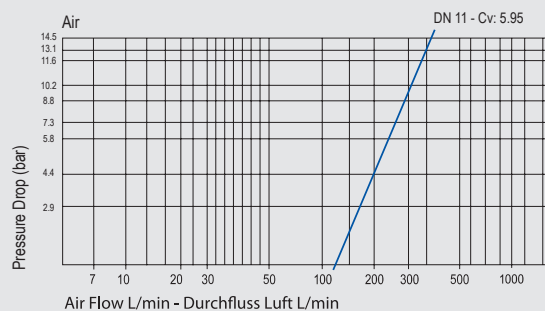
**Material of Coupler (Brass - HB type)**

**Material für die Kupplung (Messing - HB Typ.)**

Body / Housing -	Brass nickel plated -
Kupplungsgrundkörper/Gehäuse	Messing vernickelt
Inner Part / Cylinder -	Aluminium
Innenteil / Zylinder	Aluminum
Back Part - Hinterteil	Brass nickel plated -
	Messing vernickelt
Sleeve - Hülse	Brass nickel plated -
	Messing vernickelt
Springs - Federn	Stainless steel -
	Edelstahl
Seals - Dichtungen	FPM (V)
Plug -	Stainless steel -
Nippel	Edelstahl



**Flow Rate vs Pressure Drop Graph**



**460.11**  
rtc TYPE

**rtc** TYPE 460.11

Male thread socket / Kupplung mit Aussengewinde



Socket / Kupplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	11	R205 00 106	460.11 SMO 17	BSP 3/8	38	81.5	70.5	30
	11	R205 00 107	460.11 SMO 21	BSP 1/2	38	82.5	70.5	30
	11	R205 00 108	460.11 SMO 26	BSP 3/4	38	85.5	70.5	30
	11	R205 00 112	460.11 STO 17	NPT 3/8	38	85.5	70.5	30
	11	R205 00 113	460.11 STO 21	NPT 1/2	38	88.5	70.5	30
	11	R205 00 114	460.11 STO 26	NPT 3/4	38	89.5	70.5	30
	11	-	460.11 SMO 17 MS	BSP 3/8	38	81.5	70.5	30
	11	R205 00 743	460.11 SMO 21 MS	BSP 1/2	38	82.5	70.5	30
	11	R205 00 744	460.11 SMO 26 MS	BSP 3/4	38	85.5	70.5	30
	11	-	460.11 STO 17 MS	NPT 3/8	38	85.5	70.5	30
	11	R205 00 745	460.11 STO 21 MS	NPT 1/2	38	88.5	70.5	30
	11	R205 00 746	460.11 STO 26 MS	NPT 3/4	38	89.5	70.5	30

\*MS: Brass / Messing

**rtc** TYPE 460.11

Female thread socket / Kupplung mit Innengewinde



Socket / Kupplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	11	R205 00 103	460.11 SFO 17	BSP 3/8	38	79	-	30
	11	R205 00 104	460.11 SFO 21	BSP 1/2	38	80.5	-	30
	11	R205 00 105	460.11 SFO 26	BSP 3/4	38	83.5	-	32
	11	R205 00 109	460.11 SNO 17	NPT 3/8	38	79	-	30
	11	R205 00 110	460.11 SNO 21	NPT 1/2	38	80.5	-	30
	11	R205 00 111	460.11 SNO 26	NPT 3/4	38	83.5	-	32
	11	-	460.11 SFO 17 MS	BSP 3/8	38	79	-	30
	11	R205 00 685	460.11 SFO 21 MS	BSP 1/2	38	80.5	-	30
	11	R205 00 684	460.11 SFO 26 MS	BSP 3/4	38	83.5	-	32
	11	-	460.11 SNO 17 MS	NPT 3/8	38	79	-	30
	11	R205 00 687	460.11 SNO 21 MS	NPT 1/2	38	80.5	-	30
	11	R205 00 686	460.11 SNO 26 MS	NPT 3/4	38	83.5	-	32

\*MS: Brass / Messing

**rtc** TYPE 460.11

Socket with hose barb / Kupplung mit Schlauchanschluss



Socket / Kupplung	Size / Größe	Alternative Order No Alternative Bestellnr.	Order No / Bestellnr.	Ød	Ød1	L	L1	HEX.
	11	-	460.11 SHO 10	Ø10 - 3/8	38	96.5	-	-
	11	R205 00 712	460.11 SHO 13	Ø13 - 1/2	38	96.5	-	-
	11	-	460.11 SHO 16	Ø16 - 5/8	38	96.5	-	-
	11	-	460.11 SHO 10 MS	Ø10 - 3/8	38	96.5	-	-
	11	-	460.11 SHO 13 MS	Ø13 - 1/2	38	96.5	-	-
	11	-	460.11 SHO 16 MS	Ø16 - 5/8	38	96.5	-	-

\*MS: Brass / Messing

**rtc** TYPE 460.11

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.
	11	-	460.11 SVO 0812	8x12	38	93	-	22
	11	-	460.11 SVO 1116	11x16	38	93	-	27
	11	-	460.11 SVO 1318	13x18	38	93	-	27
	11	-	460.11 SVO 0812 MS	8x12	38	93	-	22
	11	-	460.11 SVO 1116 MS	11x16	38	93	-	27
	11	-	460.11 SVO 1318 MS	13x18	38	93	-	27

\*MS: Brass / Messing