

rtc[®]

QUICK CONNECT TECHNOLOGY
www.rtc-tec.com



450.11

rtc TYPE





Compatible - Kompatibilität

| | |
|-----|---------------|
| rtc | 170.11 |
| rtc | 171.11 |
| rtc | 173.11 |
| rtc | 451.11 |
| rtc | 461.11 / SC-G |

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 450.11 11mm (1/2")

Standard version - Standardversion

Seals - Dichtung : Nitrile (N)

Material of steel version / Material für die Stahl Version

| | |
|------------------------------------|---|
| Socket Body - Kupplungsgrundkörper | Steel tenifer threaded Stahl teneferiert |
| Back Part - Hinterteil | Steel zinc nickel plated Stahl Zink-Nickel beschichtet |
| Sleeve - Hülse | Steel zinc nickel plated and orange painted Stahl Zink-Nickel beschichtet und orange lackiert |
| Springs - Federn | Stainless steel - Edelstahl |
| Seals - Dichtungen | Nitrile (N) |
| Plug - Nippel | Steel tenifer threaded Stahl teneferiert |

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
- 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-17, AFNOR C-17 NF E 49-053
- 2 stufen Sicherheitsentriegelung
- Voller Durchgang, sehr geringer Druckverlust
- Einfache Bedienung, sehr geringe Kuppelkraft
- Kompakte Bauform

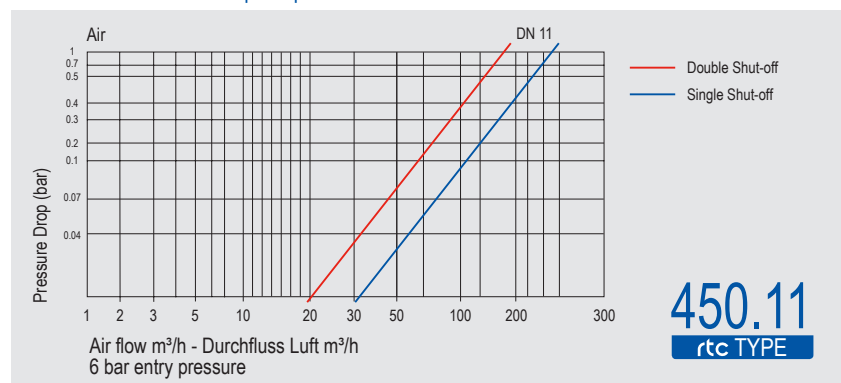
Material of stainless the steel version

Material für die Edelstahlversion

| | |
|------------------------------------|-----------------------------|
| Socket Body - Kupplungsgrundkörper | Stainless steel Edelstahl |
| Back Part - Hinterteil | Stainless steel - Edelstahl |
| Sleeve - Hülse | Stainless steel - Edelstahl |
| Springs - Federn | Stainless steel - Edelstahl |
| Seals - Dichtungen | FPM (V) |
| Plug - Nippel | Stainless steel - Edelstahl |



Flow Rate vs Pressure Drop Graph

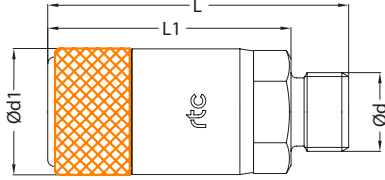


rtc TYPE 450.11

Metal sleeve socket with male thread / Kupplung mit Metallhülse und Aussengewinde



Socket / Kupplung



| Size / Größe | Alternative Order No Alternative Bestellnr. | Order No / Bestellnr. | Ød | Ød1 | L | L1 | HEX. |
|--------------|--|-----------------------|---------|-----|------|------|------|
| 11 | R203 00 056 | 450.11 SMB 17 | BSP 3/8 | 38 | 89.5 | 77.5 | 30 |
| 11 | R203 00 058 | 450.11 SMB 21 | BSP 1/2 | 38 | 91.5 | 77.5 | 30 |
| 11 | R203 00 060 | 450.11 SMB 26 | BSP 3/4 | 38 | 93.5 | 77.5 | 30 |
| 11 | - | 450.11 STB 17 | NPT 3/8 | 38 | 89.5 | 77.5 | 30 |
| 11 | - | 450.11 STB 21 | NPT 1/2 | 38 | 94.5 | 77.5 | 30 |
| 11 | - | 450.11 STB 26 | NPT 3/4 | 38 | 96.5 | 77.5 | 30 |
| 11 | R303 00 621 | 450.11 SMB 17 SS | BSP 3/8 | 38 | 89.5 | 77.5 | 30 |
| 11 | R303 00 622 | 450.11 SMB 21 SS | BSP 1/2 | 38 | 91.5 | 77.5 | 30 |
| 11 | R303 00 623 | 450.11 SMB 26 SS | BSP 3/4 | 38 | 93.5 | 77.5 | 30 |
| 11 | R303 00 624 | 450.11 SMB 33 SS | BSP 1 | 38 | 95.5 | 77.5 | 34 |
| 11 | R303 00 625 | 450.11 STB 17 SS | NPT 3/8 | 38 | 89.5 | 77.5 | 30 |
| 11 | R303 00 626 | 450.11 STB 21 SS | NPT 1/2 | 38 | 94.5 | 77.5 | 30 |
| 11 | R303 00 627 | 450.11 STB 26 SS | NPT 3/4 | 38 | 96.5 | 77.5 | 30 |

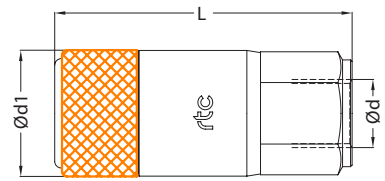
*SS: Stainless Steel / Edelstahl

rtc TYPE 450.11

Metal sleeve socket with female thread / Kupplung mit Metallhülse und Innengewinde



Socket / Kupplung



| Size / Größe | Alternative Order No Alternative Bestellnr. | Order No / Bestellnr. | Ød | Ød1 | L | L1 | HEX. |
|--------------|--|-----------------------|---------|-----|------|----|------|
| 11 | R203 00 050 | 450.11 SFB 17 | BSP 3/8 | 38 | 83 | - | 30 |
| 11 | R203 00 052 | 450.11 SFB 21 | BSP 1/2 | 38 | 83.5 | - | 30 |
| 11 | R203 00 054 | 450.11 SFB 26 | BSP 3/4 | 38 | 87.5 | - | 30 |
| 11 | - | 450.11 SNB 17 | NPT 3/8 | 38 | 83.5 | - | 30 |
| 11 | - | 450.11 SNB 21 | NPT 1/2 | 38 | 88 | - | 30 |
| 11 | - | 450.11 SNB 26 | NPT 3/4 | 38 | 90 | - | 30 |
| 11 | R303 00 615 | 450.11 SFB 17 SS | BSP 3/8 | 38 | 83 | - | 30 |
| 11 | R303 00 616 | 450.11 SFB 21 SS | BSP 1/2 | 38 | 83.5 | - | 30 |
| 11 | R303 00 617 | 450.11 SFB 26 SS | BSP 3/4 | 38 | 87.5 | - | 30 |
| 11 | R303 00 618 | 450.11 SNB 17 SS | NPT 3/8 | 38 | 83.5 | - | 30 |
| 11 | R303 00 619 | 450.11 SNB 21 SS | NPT 1/2 | 38 | 88 | - | 30 |
| 11 | R303 00 620 | 450.11 SNB 26 SS | NPT 3/4 | 38 | 90 | - | 30 |

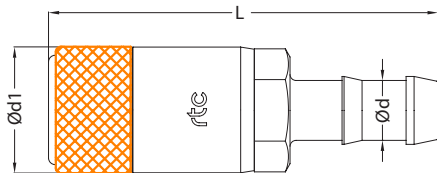
*SS: Stainless Steel / Edelstahl

rtc TYPE 450.11

Metal sleeve standard hose socket / Kupplung mit Metallhülse und Schlauchanschluss



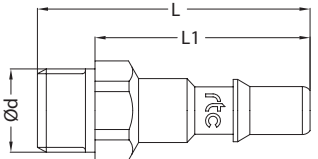
Socket / Kupplung



| Size / Größe | Alternative Order No Alternative Bestellnr. | Order No / Bestellnr. | Ød | Ød1 | L | L1 | HEX. |
|--------------|--|-----------------------|-----------|-----|------|----|------|
| 11 | R203 00 064 | 450.11 SHB 13 | Ø13 - 1/2 | 38 | 98.5 | - | - |
| 11 | R203 00 066 | 450.11 SHB 16 | Ø16 - 5/8 | 38 | 98.5 | - | - |
| 11 | R203 00 068 | 450.11 SHB 19 | Ø19 - 3/4 | 38 | 110 | - | - |
| 11 | R303 00 628 | 450.11 SHB 13 SS | Ø13 - 1/2 | 38 | 98.5 | - | - |
| 11 | R303 00 154 | 450.11 SHB 16 SS | Ø16 - 5/8 | 38 | 98.5 | - | - |
| 11 | R303 00 156 | 450.11 SHB 19 SS | Ø19 - 3/4 | 38 | 110 | - | - |

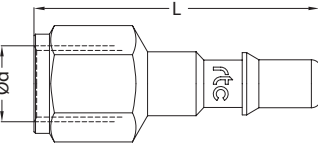
*SS: Stainless Steel / Edelstahl

Male thread plug / Nippel mit Aussengewinde TYPE 450.11 **rtc**

| Plug / Nippel | Size / Größe | Alternative Order No Alternative Bestellnr. | Order No / Bestellnr. | Ød | Ød1 | L | L1 | HEX. |
|---|--------------|--|-----------------------|---------|-----|----|----|------|
|  | 11 | R255 00 131 | 461.11 PMF 17 | BSP 3/8 | - | 63 | 51 | 19 |
| | 11 | R255 00 132 | 461.11 PMF 21 | BSP 1/2 | - | 68 | 53 | 24 |
| | 11 | R255 00 133 | 461.11 PMF 26 | BSP 3/4 | - | 70 | 53 | 30 |
| | 11 | R255 00 137 | 461.11 PTF 17 | NPT 3/8 | - | 62 | 51 | 19 |
| | 11 | R255 00 138 | 461.11 PTF 21 | NPT 1/2 | - | 67 | 50 | 24 |
| | 11 | R255 00 139 | 461.11 PTF 26 | NPT 3/4 | - | 70 | 51 | 27 |
| | 11 | R355 00 110 | 461.11 PMF 17 SS | BSP 3/8 | - | 63 | 51 | 19 |
| | 11 | R355 00 111 | 461.11 PMF 21 SS | BSP 1/2 | - | 68 | 53 | 24 |
| | 11 | R355 00 112 | 461.11 PMF 26 SS | BSP 3/4 | - | 70 | 53 | 30 |
| | 11 | R355 00 116 | 461.11 PTF 17 SS | NPT 3/8 | - | 62 | 51 | 19 |
| | 11 | R355 00 117 | 461.11 PTF 21 SS | NPT 1/2 | - | 67 | 50 | 24 |
| | 11 | R355 00 118 | 461.11 PTF 26 SS | NPT 3/4 | - | 70 | 51 | 27 |

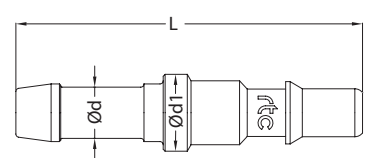
*SS: Stainless Steel / Edelstahl

Female thread plug / Nippel mit Innengewinde TYPE 450.11 **rtc**

| Plug / Nippel | Size / Größe | Alternative Order No Alternative Bestellnr. | Order No / Bestellnr. | Ød | Ød1 | L | L1 | HEX. |
|---|--------------|--|-----------------------|---------|-----|----|----|------|
|  | 11 | R255 00 128 | 461.11 PFF 17 | BSP 3/8 | - | 62 | - | 22 |
| | 11 | R255 00 129 | 461.11 PFF 21 | BSP 1/2 | - | 66 | - | 27 |
| | 11 | R255 00 130 | 461.11 PFF 26 | BSP 3/4 | - | 69 | - | 32 |
| | 11 | R255 00 134 | 461.11 PNF 17 | NPT 3/8 | - | 62 | - | 22 |
| | 11 | R255 00 135 | 461.11 PNF 21 | NPT 1/2 | - | 67 | - | 27 |
| | 11 | R255 00 136 | 461.11 PNF 26 | NPT 3/4 | - | 69 | - | 32 |
| | 11 | R355 00 107 | 461.11 PFF 17 SS | BSP 3/8 | - | 62 | - | 22 |
| | 11 | R355 00 108 | 461.11 PFF 21 SS | BSP 1/2 | - | 66 | - | 27 |
| | 11 | R355 00 109 | 461.11 PFF 26 SS | BSP 3/4 | - | 69 | - | 32 |
| | 11 | R355 00 113 | 461.11 PNF 17 SS | NPT 3/8 | - | 62 | - | 22 |
| | 11 | R355 00 114 | 461.11 PNF 21 SS | NPT 1/2 | - | 67 | - | 27 |
| | 11 | R355 00 115 | 461.11 PNF 26 SS | NPT 3/4 | - | 69 | - | 32 |

*SS: Stainless Steel / Edelstahl

Standard hose plug / Nippel mit Schlauchanschluss TYPE 450.11 **rtc**

| Plug / Nippel | Size / Größe | Alternative Order No Alternative Bestellnr. | Order No / Bestellnr. | Ød | Ød1 | L | L1 | HEX. |
|---|--------------|--|-----------------------|-----------|-----|------|----|------|
|  | 11 | R255 00 140 | 461.11 PHF 10 | Ø10 - 3/8 | 19 | 70.5 | - | - |
| | 11 | R255 00 141 | 461.11 PHF 13 | Ø13 - 1/2 | 19 | 70.5 | - | - |
| | 11 | R255 00 142 | 461.11 PHF 16 | Ø16 - 5/8 | 21 | 72 | - | - |
| | 11 | R255 00 143 | 461.11 PHF 19 | Ø19 - 3/4 | 23 | 85 | - | - |
| | 11 | R355 00 119 | 461.11 PHF 10 SS | Ø10 - 3/8 | 19 | 70.5 | - | - |
| | 11 | R355 00 120 | 461.11 PHF 13 SS | Ø13 - 1/2 | 19 | 70.5 | - | - |
| | 11 | R355 00 121 | 461.11 PHF 16 SS | Ø16 - 5/8 | 21 | 72 | - | - |
| | 11 | R355 00 122 | 461.11 PHF 19 SS | Ø19 - 3/4 | 23 | 85 | - | - |

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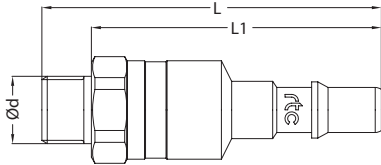
rtc TYPE 450.11

Male thread plug with valve / Verschlussnippel mit Aussengewinde



Plug / Nippel

| Size / Größe | Alternative Order No Alternative Bestellnr. | Order No / Bestellnr. | Ød | Ød1 | L | L1 | HEX. |
|--------------|--|-----------------------|---------|-----|------|------|------|
| 11 | - | 461.11 PMB 17 | BSP 3/8 | - | 94.5 | 82.5 | 30 |
| 11 | R253 00 020 | 461.11 PMB 21 | BSP 1/2 | - | 95.5 | 82.5 | 30 |
| 11 | - | 461.11 PMB 26 | BSP 3/4 | - | 99.5 | 82.5 | 30 |
| 11 | - | 461.11 PTB 17 | NPT 3/8 | - | 94.5 | 82.5 | 30 |
| 11 | - | 461.11 PTB 21 | NPT 1/2 | - | 99.5 | 82.5 | 30 |
| 11 | R353 00 320 | 461.11 PMB 17 SS | BSP 3/8 | - | 94.5 | 82.5 | 30 |
| 11 | R353 00 268 | 461.11 PMB 21 SS | BSP 1/2 | - | 95.5 | 82.5 | 30 |
| 11 | R353 00 321 | 461.11 PMB 26 SS | BSP 3/4 | - | 99.5 | 82.5 | 30 |
| 11 | R353 00 322 | 461.11 PTB 17 SS | NPT 3/8 | - | 94.5 | 82.5 | 30 |
| 11 | R353 00 323 | 461.11 PTB 21 SS | NPT 1/2 | - | 99.5 | 82.5 | 30 |



*SS: Stainless Steel / Edelstahl

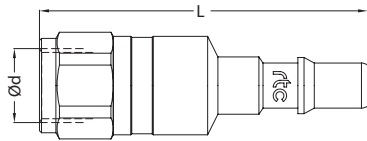
rtc TYPE 450.11

Female thread plug with valve / Verschlussnippel mit Innengewinde



Plug / Nippel

| Size / Größe | Alternative Order No Alternative Bestellnr. | Order No / Bestellnr. | Ød | Ød1 | L | L1 | HEX. |
|--------------|--|-----------------------|---------|-----|----|----|------|
| 11 | - | 461.11 PFB 17 | BSP 3/8 | - | 90 | - | 30 |
| 11 | R253 00 019 | 461.11 PFB 21 | BSP 1/2 | - | 94 | - | 30 |
| 11 | - | 461.11 PNB 17 | NPT 3/8 | - | 90 | - | 30 |
| 11 | - | 461.11 PNB 21 | NPT 1/2 | - | 94 | - | 30 |
| 11 | R353 00 316 | 461.11 PFB 17 SS | BSP 3/8 | - | 90 | - | 30 |
| 11 | R353 00 317 | 461.11 PFB 21 SS | BSP 1/2 | - | 94 | - | 30 |
| 11 | R353 00 318 | 461.11 PNB 17 SS | NPT 3/8 | - | 90 | - | 30 |
| 11 | R353 00 319 | 461.11 PNB 21 SS | NPT 1/2 | - | 94 | - | 30 |



*SS: Stainless Steel / Edelstahl

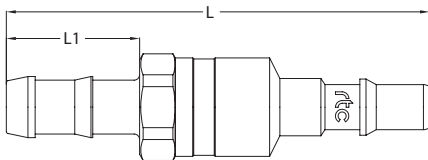
rtc TYPE 450.11

Standard hose plug with valve / Verschlussnippel mit Schlauchanschluss



Plug / Nippel

| Size / Größe | Alternative Order No Alternative Bestellnr. | Order No / Bestellnr. | Ød | Ød1 | L | L1 | HEX. |
|--------------|--|-----------------------|-----------|-----|-------|----|------|
| 11 | R253 00 021 | 461.11 PHB 13 | Ø13 - 1/2 | - | 108.5 | - | 30 |
| 11 | R253 00 022 | 461.11 PHB 16 | Ø16 - 5/8 | - | 108.5 | - | 30 |
| 11 | - | 461.11 PHB 19 | Ø19 - 3/4 | - | 119.5 | - | 30 |
| 11 | R353 00 324 | 461.11 PHB 13 SS | Ø13 - 1/2 | - | 108.5 | - | 30 |
| 11 | R353 00 147 | 461.11 PHB 16 SS | Ø16 - 5/8 | - | 108.5 | - | 30 |
| 11 | R353 00 222 | 461.11 PHB 19 SS | Ø19 - 3/4 | - | 119.5 | - | 30 |



*SS: Stainless Steel / Edelstahl