



# rtc<sup>®</sup>

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



## 203

rtc TYPE



Temperature Range - Temperaturbereich

|                           |                               |
|---------------------------|-------------------------------|
| Nitrile (N)               | -20°C + 100°C (-4°F + 212°F)  |
| FPM (V)                   | -20°C + 180°C (-4°F + 356°F)  |
| EPDM (Ethylene Propylene) | -40°C + 150°C (-40°F + 302°F) |

Max. Working Pressure - Max. Betriebsdruck

Please Check the table below

Flow size - Nennweite

|            |       |
|------------|-------|
| rtc 203.09 | 9 mm  |
| rtc 203.12 | 12 mm |
| rtc 203.19 | 19 mm |
| rtc 203.32 | 32 mm |
| rtc 203.50 | 50 mm |

Material of Steel Coupler - SS Version

Material für die Stahlversion - SS Version

|                                       |                                |
|---------------------------------------|--------------------------------|
| Socket body -<br>Kupplungsgrundkörper | Stainless Steel -<br>Edelstahl |
| Valve - Ventil                        | Stainless Steel -<br>Edelstahl |
| Springs - Federn                      | Stainless Steel -<br>Edelstahl |
| Balls - Kugeln                        | Stainless Steel -<br>Edelstahl |
| Locking Ring - Sprengring             | Stainless Steel -<br>Edelstahl |

|               |                                |
|---------------|--------------------------------|
| Plug - Nippel | Stainless Steel -<br>Edelstahl |
|---------------|--------------------------------|

Compatible - Kompatibilität

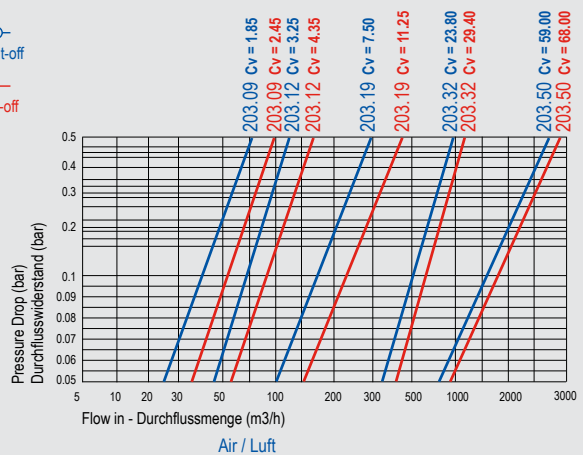
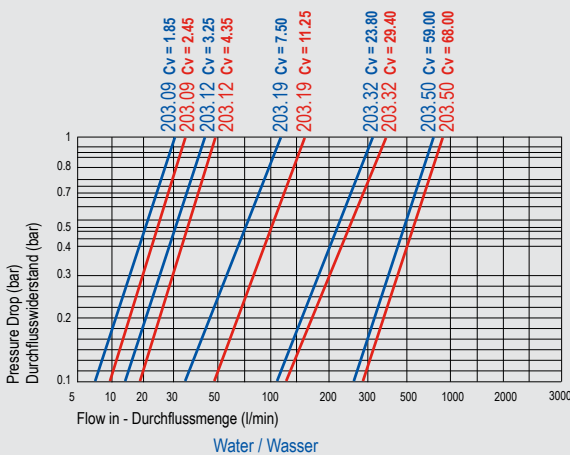
|            |        |
|------------|--------|
| rtc 203.09 | TE-009 |
| rtc 203.12 | TE-012 |
| rtc 203.19 | TE-019 |
| rtc 203.32 | TE-032 |
| rtc 203.50 | TE-050 |

| Options / Optionen                               | Add | Example Code       |
|--|-----|--------------------|
| Stainless Steel AISI 303<br>Edelstahl AISI 303   | S3  | 203.09 SMB 13-S3   |
| Stainless Steel AISI 316L<br>Edelstahl AISI 316L | S6  | 203.09 SMB 13-S6   |
| Safety<br>Sicherheit                             | S   | 203.09 SMB 13-ST-S |
| Ring Handling Grip<br>Ring Handhabung Grip       | VT  | 203.50 SFF 60-VT   |



| Nominal Ø<br>Nennweite Ø | Flow Area<br>Fläche | Maximum Working Pressure (Bar) - Maximaler Betriebsdruck (Bar) |            |            |
|--------------------------|---------------------|--|------------|------------|
|                          |                     | Stainless - SS   | Brass - MS | Steel - ST |
| 9 mm                     | 64 mm²              | 50   | 50         | 100        |
| 12 mm                    | 120 mm²             | 20   | 20         | 50         |
| 19 mm                    | 300 mm²             | 15   | 15         | 50         |
| 32 mm                    | 800 mm²             | 15   | 15         | 40         |
| 50 mm                    | 2010 mm²            | 10   | 10         | 30         |

Flow Rate vs Pressure Drop Graph / Durchflussrate vs Druckabfall



**rtc** TYPE 203

Female thread socket / Kupplung mit Innengewinde



| Sockets / Kupplungen | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Order No / Bestellnr. Without Valve / Ohne Ventil | Ød        | Ød1 | L   | HEX. |
|----------------------|------------|---|---|-----------|-----|-----|------|
|                      | 09         | 203.09 SFB 17                                 | 203.09 SFF 17                                     | BSP 3/8   | 32  | 89  | 28   |
|                      | 12         | 203.12 SFB 21                                 | 203.12 SFF 21                                     | BSP 1/2   | 39  | 109 | 36   |
|                      | 19         | 203.19 SFB 33                                 | 203.19 SFF 33                                     | BSP 1     | 50  | 146 | 46   |
|                      | 32         | 203.32 SFB 48-VT                              | 203.32 SFF 48-VT                                  | BSP 1-1/2 | 85  | 178 | 80   |
|                      | 50         | 203.50 SFB 60-VT                              | 203.50 SFF 60-VT                                  | BSP 2     | 110 | 214 | 100  |

**rtc** TYPE 203

Male thread socket / Kupplung mit Aussengewinde



| Sockets / Kupplungen | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Order No / Bestellnr. Without Valve / Ohne Ventil | Ød        | Ød1 | L   | L1 | HEX. |
|----------------------|------------|---|---|-----------|-----|-----|----|------|
|                      | 09         | 203.09 SMB 17-00                              | 203.09 SMF 17-00                                  | BSP 3/8   | 32  | 89  | 12 | 27   |
|                      | 12         | 203.12 SMB 21-00                              | 203.12 SMF 21-00                                  | BSP 1/2   | 39  | 107 | 15 | 55   |
|                      | 19         | 203.19 SMB 33-00                              | 203.19 SMF 33-00                                  | BSP 1     | 50  | 151 | 20 | 55   |
|                      | 32         | 203.32 SMB 48-00-VT                           | 203.32 SMF 48-00-VT                               | BSP 1-1/2 | 85  | 185 | 22 | 55   |
|                      | 50         | 203.50 SMB 60-00-VT                           | 203.50 SMF 60-00-VT                               | BSP 2     | 110 | 227 | 26 | 55   |

**rtc** TYPE 203

Female thread plug / Nippel mit Innengewinde



| Plugs / Nippel | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Ød        | Ød1 | L  | HEX. |
|----------------|------------|---|-----------|-----|----|------|
|                | 09         | 202.09 PFB 17                                 | BSP 3/8   | 32  | 57 | 19   |
|                | 12         | 202.12 PFB 21                                 | BSP 1/2   | 39  | 55 | 19   |
|                | 19         | 202.19 PFB 33                                 | BSP 1     | 50  | 55 | 19   |
|                | 32         | 202.32 PFB 48                                 | BSP 1-1/2 | 85  | 55 | 19   |
|                | 50         | 202.50 PFB 60                                 | BSP 2     | 110 | 55 | 19   |

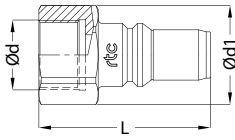
**rtc** TYPE 203

Male thread plug / Nippel mit Aussengewinde

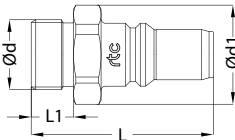


| Plugs / Nippel | Size Größe | Order No / Bestellnr. With Valve / Mit Ventil | Ød        | Ød1 | L  | L1 | HEX. |
|----------------|------------|---|-----------|-----|----|----|------|
|                | 09         | 203.09 PMB 17-00                              | BSP 3/8   | 32  | 64 | 12 | 27   |
|                | 12         | 203.13 PMB 21-00                              | BSP 1/2   | 39  | 84 | 14 | 32   |
|                | 19         | 203.19 PMB 33-00                              | BSP 1     | 50  | 84 | 14 | 32   |
|                | 32         | 203.32 PMB 48-00                              | BSP 1-1/2 | 85  | 84 | 14 | 32   |
|                | 50         | 203.50 PMB 60-00                              | BSP 2     | 110 | 84 | 14 | 32   |

Female thread plug without valve / Nippel mit Innengewinde ohne Ventil TYPE 203 **rtc**

| Plugs / Nippel  | Size Größe | Order No / Bestellnr. Without Valve / Ohne Ventil | Ød        | Ød1 | L   | HEX. |
|---|------------|---|-----------|-----|-----|------|
|  | 09         | 203.09 PFF 17                                     | BSP 3/8   | 30  | 56  | 27   |
|   | 12         | 203.12 PFF 21                                     | BSP 1/2   | 39  | 60  | 36   |
|   | 19         | 203.19 PFF 33                                     | BSP 1     | 45  | 81  | 41   |
|   | 32         | 203.32 PFF 48                                     | BSP 1-1/2 | 65  | 102 | 60   |
|   | 50         | 203.50 PFF 60                                     | BSP 2     | 82  | 125 | 75   |

Male thread plug without valve / Nippel mit Aussengewinde ohne Ventil TYPE 203 **rtc**

| Plugs / Nippel   | Size Größe | Order No / Bestellnr. Without Valve / Ohne Ventil | Ød        | Ød1 | L   | L1 | HEX. |
|--|------------|---|-----------|-----|-----|----|------|
|  | 09         | 203.09 PMF 17-00                                  | BSP 3/8   | 21  | 57  | 12 | 19   |
|  | 12         | 203.12 PMF 21-00                                  | BSP 1/2   | 33  | 58  | 15 | 30   |
|  | 19         | 203.19 PMF 33-00                                  | BSP 1     | 45  | 86  | 20 | 41   |
|  | 32         | 203.32 PMF 48-00                                  | BSP 1-1/2 | 65  | 108 | 22 | 60   |
|  | 50         | 203.50 PMF 60-00                                  | BSP 2     | 82  | 135 | 26 | 75   |