

### Temperature Range - Temperaturbereich

|                             |                              |
|-----------------------------|------------------------------|
| Nitrile (N)                 | -20°C +100°C (- 4°F +212°F)  |
| Fluorocarbon FPM (V)        | -10°C +180°C (+14°F +356°F)  |
| EPDM (E)                    | -20°C +150°C (- 40°F +302°F) |
| Perfluoroelastomer FFKM (W) | 0°C +200°C (- 40°F +572°F)   |
| Fluorosilicone FMQ (SN)     | -40°C +175°C (- 40°F +347°F) |

### Max. Working Pressure - Max. Betriebsdruck

|            | Temperature: -40°C +150°C | +150°C +200°C    |
|------------|---------------------------|------------------|
| rtc 131.05 | 40 bar (580 PSI)          | 13 bar (190 PSI) |
| rtc 131.08 | 20 bar (290 PSI)          | 7 bar (102 PSI)  |
| rtc 131.10 | 20 bar (290 PSI)          | 7 bar (102 PSI)  |
| rtc 131.12 | 20 bar (290 PSI)          | 7 bar (102 PSI)  |
| rtc 131.17 | 20 bar (290 PSI)          | 7 bar (102 PSI)  |
| rtc 131.20 | 20 bar (290 PSI)          | 7 bar (102 PSI)  |
| rtc 131.25 | 16 bar (232 PSI)          | 5 bar (73 PSI)   |

### Flow size - Nennweiten

|            |       |
|------------|-------|
| rtc 131.05 | 5 mm  |
| rtc 131.08 | 8 mm  |
| rtc 131.10 | 10 mm |
| rtc 131.12 | 12 mm |
| rtc 131.17 | 17 mm |
| rtc 131.20 | 20 mm |
| rtc 131.25 | 25 mm |

### Material of Standard Coupler

#### Material für die Standardversion

|                          |                             |
|--------------------------|-----------------------------|
| Socket body              | Aluminium Alloy             |
| Kupplungsgrundkörper     | Aluminiumlegierung          |
| Sleeve                   | Aluminium Alloy             |
| Hülse                    | Aluminiumlegierung          |
| Springs - Federn         | Stainless Steel - Edelstahl |
| Locking Ring - Sprenging | Stainless Steel - Edelstahl |
| Balls - Kugeln           | Stainless Steel - Edelstahl |
| Seals - Dichtungen       | Nitrile (N)                 |

|        |                    |
|--------|--------------------|
| Plug   | Aluminium Alloy    |
| Nippel | Aluminiumlegierung |

### Advantages

- Non Spill Coupling
- Flat Face
- Light and Compact

### Vorteil

- Überlaufkupplung
- Flat Face
- Leicht und kompakt

### Using Area

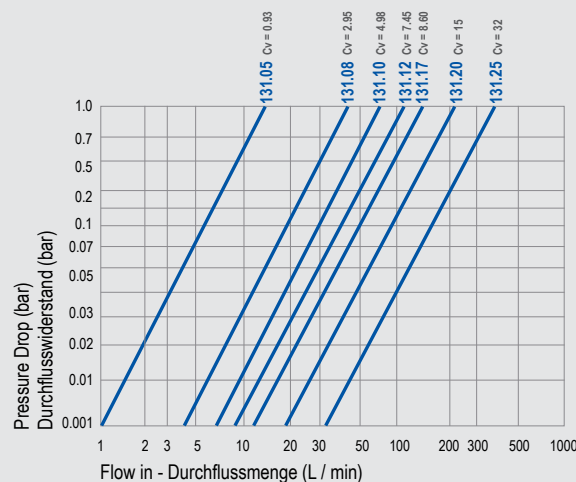
- Thermal management in Railway Industry
- Cooling of electronic components

### Anwendungsbereiche

- Für kühlung im Bahnsektor
- Kühlung elektronischer Anlagen



Flow Rate vs Pressure Drop Graph



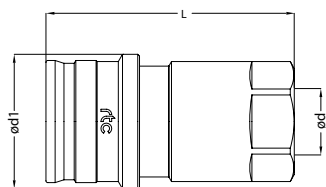
131  
rtc TYPE

# TYPE 131

Female thread socket / Kupplung mit Innengewinde



Socket / Kupplung



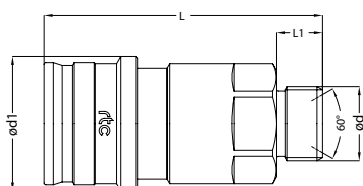
| Size / Größe | Order No / Bestellnr. | Ød        | Ød1 | L   | HEX. |
|--------------|-----------------------|-----------|-----|-----|------|
| 05           | 131.05 SFB 13         | BSP 1/4   | 26  | 55  | 17   |
| 08           | 131.08 SFB 17         | BSP 3/8   | 31  | 60  | 21   |
| 10           | 131.10 SFB 21         | BSP 1/2   | 38  | 81  | 30   |
| 12           | 131.12 SFB 26         | BSP 3/4   | 42  | 98  | 36   |
| 17           | 131.17 SFB 26         | BSP 3/4   | 50  | 120 | 41   |
| 20           | 131.20 SFB 33         | BSP 1     | 60  | 141 | 50   |
| 25           | 131.25 SFB 42         | BSP 1-1/4 | 71  | 183 | 60   |

# TYPE 131

Male thread socket / Kupplung mit Aussengewinde



Socket / Kupplung



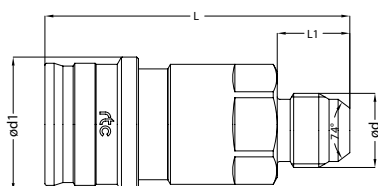
| Size / Größe | Order No / Bestellnr. | Ød        | Ød1 | L   | L1 | HEX. |
|--------------|-----------------------|-----------|-----|-----|----|------|
| 05           | 131.05 SMB 13         | BSP 1/4   | 26  | 57  | 11 | 18   |
| 08           | 131.08 SMB 17         | BSP 3/8   | 31  | 59  | 12 | 24   |
| 10           | 131.10 SMB 21         | BSP 1/2   | 38  | 80  | 14 | 30   |
| 12           | 131.12 SMB 26         | BSP 3/4   | 42  | 94  | 16 | 36   |
| 17           | 131.17 SMB 26         | BSP 3/4   | 50  | 123 | 16 | 41   |
| 20           | 131.20 SMB 33         | BSP 1     | 60  | 146 | 20 | 50   |
| 25           | 131.25 SMB 42         | BSP 1-1/4 | 71  | 186 | 21 | 60   |

# TYPE 131

UNF Male thread socket with 37° sealing cone / Kupplung mit UNF Aussengewinde 37° Dichtkonus



Socket / Kupplung



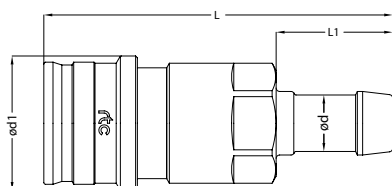
| Size / Größe | Order No / Bestellnr. | Ød            | Ød1 | L   | L1 | HEX. |
|--------------|-----------------------|---------------|-----|-----|----|------|
| 05           | 131.05 SJB 1418       | UNF 9/16-18   | 26  | 60  | 14 | 18   |
| 08           | 131.08 SJB 1916       | UNF 3/4-16    | 31  | 64  | 17 | 24   |
| 10           | 131.10 SJB 2214       | UNF 7/8-14    | 38  | 85  | 19 | 30   |
| 12           | 131.12 SJB 2712       | UNF 1-1/16-12 | 42  | 100 | 22 | 36   |
| 17           | 131.17 SJB 3312       | UNF 1-5/16-12 | 50  | 130 | 23 | 41   |
| 20           | 131.20 SJB 4112       | UNF 1-5/8-12  | 60  | 150 | 24 | 50   |
| 25           | 131.25 SJB 4812       | UNF 1-7/8-12  | 71  | 193 | 28 | 60   |

# TYPE 131

Standard hose tail socket / Kupplung mit gerader Standard - Schlauchtülle



Socket / Kupplung



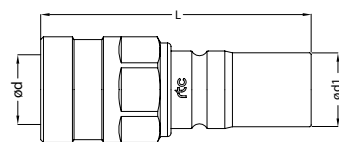
| Size / Größe | Order No / Bestellnr. | Ød    | Ød1 | L   | L1 | HEX. |
|--------------|-----------------------|-------|-----|-----|----|------|
| 10           | 131.10 SHB 16         | 16 mm | 38  | 99  | 33 | 30   |
| 10           | 131.10 SHB 19         | 19 mm | 38  | 99  | 33 | 30   |
| 12           | 131.12 SHB 19         | 19 mm | 42  | 111 | 33 | 36   |



## Female thread plug / Nippel mit Innengewinde

TYPE 131

Plugs / Nippel



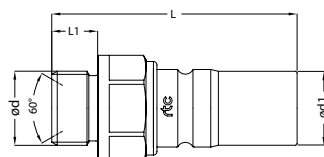
| Size / Größe | Order No / Bestellnr. | Ød        | Ød1  | L   | HEX. |
|--------------|-----------------------|-----------|------|-----|------|
| 05           | 131.05 PFB 13         | BSP 1/4   | 10.3 | 45  | 17   |
| 08           | 131.08 PFB 17         | BSP 3/8   | 15   | 58  | 21   |
| 10           | 131.10 PFB 21         | BSP 1/2   | 21   | 75  | 30   |
| 12           | 131.12 PFB 26         | BSP 3/4   | 23.5 | 88  | 36   |
| 17           | 131.17 PFB 26         | BSP 3/4   | 30.5 | 97  | 36   |
| 20           | 131.20 PFB 33         | BSP 1     | 35.5 | 110 | 46   |
| 25           | 131.25 PFB 42         | BSP 1-1/4 | 43.5 | 142 | 55   |



## Male thread plug / Nippel mit Aussengewinde

TYPE 131

Plugs / Nippel



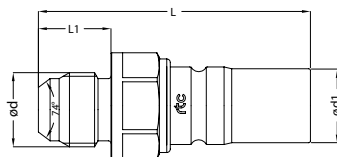
| Size / Größe | Order No / Bestellnr. | Ød        | Ød1  | L   | L1 | HEX. |
|--------------|-----------------------|-----------|------|-----|----|------|
| 05           | 131.05 PMB 13         | BSP 1/4   | 10.3 | 44  | 11 | 17   |
| 08           | 131.08 PMB 17         | BSP 3/8   | 15   | 53  | 12 | 21   |
| 10           | 131.10 PMB 21         | BSP 1/2   | 21   | 70  | 14 | 27   |
| 12           | 131.12 PMB 26         | BSP 3/4   | 23.5 | 82  | 16 | 30   |
| 17           | 131.17 PMB 26         | BSP 3/4   | 30.5 | 94  | 16 | 36   |
| 20           | 131.20 PMB 33         | BSP 1     | 35.5 | 113 | 20 | 46   |
| 25           | 131.25 PMB 42         | BSP 1-1/4 | 43.5 | 135 | 21 | 55   |



## UNF Male thread plug with 37° sealing cone / Nippel mit UNF Aussengewinde 37° Dichtkonus

TYPE 131

Plugs / Nippel



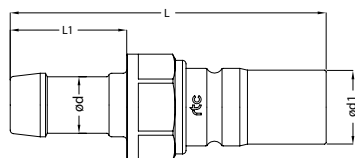
| Size / Größe | Order No / Bestellnr. | Ød            | Ød1  | L   | L1 | HEX. |
|--------------|-----------------------|---------------|------|-----|----|------|
| 05           | 131.05 PJB 1418       | UNF 9/16-18   | 10.3 | 47  | 14 | 17   |
| 08           | 131.08 PJB 1916       | UNF 3/4-16    | 15   | 58  | 17 | 21   |
| 10           | 131.10 PJB 2214       | UNF 7/8-14    | 21   | 75  | 19 | 27   |
| 12           | 131.12 PJB 2712       | UNF 1-1/16-12 | 23.5 | 88  | 22 | 30   |
| 17           | 131.17 PJB 3312       | UNF 1-5/16-12 | 30.5 | 101 | 23 | 36   |
| 20           | 131.20 PJB 4112       | UNF 1-5/8-12  | 35.5 | 117 | 24 | 46   |
| 25           | 131.25 PJB 4812       | UNF 1-7/8-12  | 43.5 | 142 | 28 | 55   |



## Standard hose tail plug / Nippel mit gerader Standard - Schlauchtülle

TYPE 131

Plugs / Nippel



| Size / Größe | Order No / Bestellnr. | Ød    | Ød1  | L  | L1 | HEX. |
|--------------|-----------------------|-------|------|----|----|------|
| 10           | 131.10 PHB 16         | 16 mm | 21   | 89 | 33 | 27   |
| 10           | 131.10 PHB 19         | 19 mm | 21   | 89 | 33 | 27   |
| 12           | 131.12 PHB 19         | 19 mm | 23.5 | 99 | 33 | 30   |