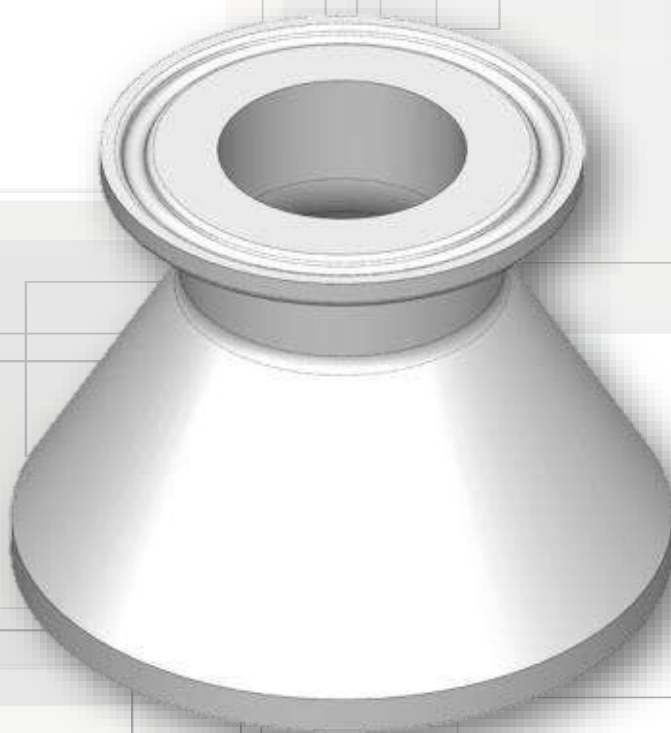


## **bio-t® Behälterstutzen konisch öffnend**

bio-plus® / DIN11864-3 / DIN32676

## **bio-t® Vessel Ferrule conical opening**

bio-plus® / DIN11864-3 / DIN32676



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## 1 Technische Daten

### Technical Data

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard-Baugrößen</b> | <p>nach bio-plus®</p> <ul style="list-style-type: none"> <li>• DIN04 – DIN100</li> <li>• ISO06 – ISO100</li> <li>• OD¼" – OD4"</li> </ul> <p>nach DIN11864-3</p> <ul style="list-style-type: none"> <li>• DIN10 – DIN100</li> <li>• ISO08 – ISO80</li> <li>• OD½" – OD4"</li> </ul> <p>nach DIN32676</p> <ul style="list-style-type: none"> <li>• DIN04 - DIN200</li> <li>• ISO06 - ISO200</li> <li>• OD¼" - OD6"</li> </ul> |
| <b>Werkstoffe</b>         | <p>Produktberührt:</p> <ul style="list-style-type: none"> <li>• 1.4435 BN2 (316L)</li> <li>• Sonderwerkstoffe wie z.B. Hastelloy 2.4602, Titan, 1.4539 etc. gem. Bestellschlüssel</li> </ul>                                                                                                                                                                                                                                 |
| <b>Oberflächen</b>        | <p>Produktberührte Oberflächen:</p> <ul style="list-style-type: none"> <li>• elektropoliert Ra &lt; 0,6µm</li> <li>• andere Oberflächen gem. Bestellschlüssel</li> </ul> <p>Nicht produktberührte Oberflächen:</p> <ul style="list-style-type: none"> <li>• elektropoliert Ra &gt; 1,6µm</li> </ul>                                                                                                                          |
| <b>Rückverfolgbarkeit</b> | Alle produktberührenden Teile markiert mit Artikelnummer, Werkstoff und Chargennummer                                                                                                                                                                                                                                                                                                                                        |
| <b>Medien</b>             | Gase und Flüssigkeiten                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Betriebsdruck</b>      | Kundenseitig bei der Behälterberechnung zu prüfen                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Normen</b>             | <p>Rohranschlussmaße:</p> <ul style="list-style-type: none"> <li>• DIN (DIN11866 Reihe A)</li> <li>• ISO (DIN11866 Reihe B)</li> <li>• OD (DIN11866 Reihe C)</li> </ul>                                                                                                                                                                                                                                                      |
| <b>Zertifikate</b>        | <p>Produktberührende Teile:</p> <ul style="list-style-type: none"> <li>• EN 10204 / 3.1</li> </ul>                                                                                                                                                                                                                                                                                                                           |

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Standard sizes</b>       | <p>acc. bio-plus®</p> <ul style="list-style-type: none"> <li>• DIN04 – DIN100</li> <li>• ISO06 – ISO100</li> <li>• OD¼" – OD4"</li> </ul> <p>acc. DIN11864-3</p> <ul style="list-style-type: none"> <li>• DIN10 – DIN100</li> <li>• ISO08 – ISO80</li> <li>• OD½" – OD4"</li> </ul> <p>acc. DIN32676</p> <ul style="list-style-type: none"> <li>• DIN04 - DIN200</li> <li>• ISO06 - ISO200</li> <li>• OD¼" - OD6"</li> </ul> |
| <b>Material</b>             | <p>Medium contacted:</p> <ul style="list-style-type: none"> <li>• 14435 BN2 (316L)</li> <li>• Special materials e.g. Hastelloy, 2.4602, Titan, 1.4539 etc. acc. ordering key</li> </ul>                                                                                                                                                                                                                                      |
| <b>Surface quality</b>      | <p>Medium contacted:</p> <ul style="list-style-type: none"> <li>• electro polished Ra &lt; 0,6µm</li> <li>• other qualities acc. ordering key</li> </ul> <p>Non medium contacted:</p> <ul style="list-style-type: none"> <li>• electro polished Ra &gt; 1,6µm</li> </ul>                                                                                                                                                     |
| <b>Traceability</b>         | Product contacted material marked with article no., material and heat no.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Media</b>                | Gases and liquids                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Operating pressure</b>   | Needs to be inspected by the customer during calculation of tank                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applicable standards</b> | <p>Pipe dimensions:</p> <ul style="list-style-type: none"> <li>• DIN (DIN11866 Series A)</li> <li>• ISO (DIN11866 Series B)</li> <li>• OD (DIN11866 Series C)</li> </ul>                                                                                                                                                                                                                                                     |
| <b>Certification</b>        | <p>Medium contacted:</p> <ul style="list-style-type: none"> <li>• EN 10204 / 3.1</li> </ul>                                                                                                                                                                                                                                                                                                                                  |

## 2 bio-t® Behälterstutzen konisch öffnend nach bio-plus® (Nutklemmstutzen) bio-t® Vessel Clamp conical opening acc. bio-plus® (Female Clamp)

|                                | Größe<br>Size       | Artikel-Nr.<br>Article-No. | AD<br>[mm] | ID<br>[mm] | D<br>[mm] | S<br>[mm] | L<br>[mm] | H<br>[mm] | B<br>[mm] | Gewicht<br>Weight<br>[kg] |
|--------------------------------|---------------------|----------------------------|------------|------------|-----------|-----------|-----------|-----------|-----------|---------------------------|
| DIN Abmessung<br>DIN Dimension | DIN04               | BNKK.D04.Lxxx.G.35.C       |            | 4.00       | 25.00     |           |           |           |           |                           |
|                                | DIN06               | BNKK.D06.Lxxx.G.35.C       |            | 6.00       | 25.00     |           |           |           |           |                           |
|                                | DIN08               | BNKK.D08.Lxxx.G.35.C       |            | 8.00       | 25.00     |           |           |           |           |                           |
|                                | DIN10               | BNKK.D10.Lxxx.G.35.C       |            | 10.00      | 25.00     |           |           |           |           |                           |
|                                | DIN15               | BNKK.D15.Lxxx.G.35.C       |            | 16.00      | 50.50     |           |           |           |           |                           |
|                                | DIN20               | BNKK.D20.Lxxx.G.35.C       |            | 20.00      | 50.50     |           |           |           |           |                           |
|                                | DIN25               | BNKK.D25.Lxxx.G.35.C       |            | 26.00      | 50.50     |           |           |           |           |                           |
|                                | DIN32               | BNKK.D32.Lxxx.G.35.C       |            | 32.00      | 64.00     |           |           |           |           |                           |
|                                | DIN40               | BNKK.D40.Lxxx.G.35.C       |            | 38.00      | 64.00     |           |           |           |           |                           |
|                                | DIN50               | BNKK.D50.Lxxx.G.35.C       |            | 50.00      | 77.50     |           |           |           |           |                           |
|                                | DIN65               | BNKK.D65.Lxxx.G.35.C       |            | 66.00      | 91.00     |           |           |           |           |                           |
|                                | DIN80               | BNKK.D80.Lxxx.G.35.C       |            | 81.00      | 106.00    |           |           |           |           |                           |
|                                | DIN100              | BNKK.D100.Lxxx.G.35.C      |            | 100.00     | 130.00    |           |           |           |           |                           |
| ISO Abmessung<br>OD Dimension  | ISO06               | BNKK.I06.Lxxx.G.35.C       |            | 7.00       | 25.00     |           |           |           |           |                           |
|                                | ISO08               | BNKK.I08.Lxxx.G.35.C       |            | 10.30      | 25.00     |           |           |           |           |                           |
|                                | ISO10               | BNKK.I10.Lxxx.G.35.C       |            | 14.00      | 50.50     |           |           |           |           |                           |
|                                | ISO15               | BNKK.I15.Lxxx.G.35.C       |            | 18.10      | 50.50     |           |           |           |           |                           |
|                                | ISO20               | BNKK.I20.Lxxx.G.35.C       |            | 23.70      | 50.50     |           |           |           |           |                           |
|                                | ISO25               | BNKK.I25.Lxxx.G.35.C       |            | 29.70      | 50.50     |           |           |           |           |                           |
|                                | ISO32               | BNKK.I32.Lxxx.G.35.C       |            | 38.40      | 64.00     |           |           |           |           |                           |
|                                | ISO40               | BNKK.I40.Lxxx.G.35.C       |            | 44.30      | 64.00     |           |           |           |           |                           |
|                                | ISO50               | BNKK.I50.Lxxx.G.35.C       |            | 56.30      | 77.50     |           |           |           |           |                           |
|                                | ISO65               | BNKK.I65.Lxxx.G.35.C       |            | 72.10      | 91.00     |           |           |           |           |                           |
|                                | ISO80               | BNKK.I80.Lxxx.G.35.C       |            | 84.30      | 106.00    |           |           |           |           |                           |
|                                | ISO100              | BNKK.I100.Lxxx.G.35.C      |            | 109.70     | 144.50    |           |           |           |           |                           |
| OD Abmessung<br>OD Dimension   | OD $\frac{1}{4}$ "  | BNKK.O02.Lxxx.G.35.C       |            | 4.57       | 25.00     |           |           |           |           |                           |
|                                | OD $\frac{3}{8}$ "  | BNKK.O03.Lxxx.G.35.C       |            | 7.75       | 25.00     |           |           |           |           |                           |
|                                | OD $\frac{1}{2}$ "  | BNKK.O05.Lxxx.G.35.C       |            | 9.40       | 25.00     |           |           |           |           |                           |
|                                | OD $\frac{3}{4}$ "  | BNKK.O07.Lxxx.G.35.C       |            | 15.75      | 50.50     |           |           |           |           |                           |
|                                | OD1"                | BNKK.O10.Lxxx.G.35.C       |            | 22.10      | 50.50     |           |           |           |           |                           |
|                                | OD1 $\frac{1}{2}$ " | BNKK.O15.Lxxx.G.35.C       |            | 34.80      | 50.50     |           |           |           |           |                           |
|                                | OD2"                | BNKK.O20.Lxxx.G.35.C       |            | 47.50      | 64.00     |           |           |           |           |                           |
|                                | OD2 $\frac{1}{2}$ " | BNKK.O25.Lxxx.G.35.C       |            | 60.20      | 77.50     |           |           |           |           |                           |
|                                | OD3"                | BNKK.O30.Lxxx.G.35.C       |            | 72.90      | 91.00     |           |           |           |           |                           |
|                                | OD4"                | BNKK.O40.Lxxx.G.35.C       |            | 97.38      | 119.00    |           |           |           |           |                           |

### 3 bio-t® Behälterstutzen konisch öffnend nach bio-plus® (Bundklemmstutzen) bio-t® Vessel Clamp conical opening acc. bio-plus® (Male Clamp)

|                                | Größe<br>Size       | Artikel-Nr.<br>Article-No. | AD<br>[mm] | ID<br>[mm] | D<br>[mm] | S<br>[mm] | L<br>[mm] | H<br>[mm] | B<br>[mm] | Gewicht<br>Weight<br>[kg] |
|--------------------------------|---------------------|----------------------------|------------|------------|-----------|-----------|-----------|-----------|-----------|---------------------------|
| DIN Abmessung<br>DIN Dimension | DIN04               | BBKK.D04.Lxxx.G.35.C       |            | 4.00       | 25.00     |           |           |           |           |                           |
|                                | DIN06               | BBKK.D06.Lxxx.G.35.C       |            | 6.00       | 25.00     |           |           |           |           |                           |
|                                | DIN08               | BBKK.D08.Lxxx.G.35.C       |            | 8.00       | 25.00     |           |           |           |           |                           |
|                                | DIN10               | BBKK.D10.Lxxx.G.35.C       |            | 10.00      | 25.00     |           |           |           |           |                           |
|                                | DIN15               | BBKK.D15.Lxxx.G.35.C       |            | 16.00      | 50.50     |           |           |           |           |                           |
|                                | DIN20               | BBKK.D20.Lxxx.G.35.C       |            | 20.00      | 50.50     |           |           |           |           |                           |
|                                | DIN25               | BBKK.D25.Lxxx.G.35.C       |            | 26.00      | 50.50     |           |           |           |           |                           |
|                                | DIN32               | BBKK.D32.Lxxx.G.35.C       |            | 32.00      | 64.00     |           |           |           |           |                           |
|                                | DIN40               | BBKK.D40.Lxxx.G.35.C       |            | 38.00      | 64.00     |           |           |           |           |                           |
|                                | DIN50               | BBKK.D50.Lxxx.G.35.C       |            | 50.00      | 77.50     |           |           |           |           |                           |
|                                | DIN65               | BBKK.D65.Lxxx.G.35.C       |            | 66.00      | 91.00     |           |           |           |           |                           |
|                                | DIN80               | BBKK.D80.Lxxx.G.35.C       |            | 81.00      | 106.00    |           |           |           |           |                           |
|                                | DIN100              | BBKK.D100.Lxxx.G.35.C      |            | 100.00     | 130.00    |           |           |           |           |                           |
| ISO Abmessung<br>ISO Dimension | ISO06               | BBKK.I06.Lxxx.G.35.C       |            | 7.00       | 25.00     |           |           |           |           |                           |
|                                | ISO08               | BBKK.I08.Lxxx.G.35.C       |            | 10.30      | 25.00     |           |           |           |           |                           |
|                                | ISO10               | BBKK.I10.L050.G.35.C       |            | 14.00      | 50.50     |           |           |           |           |                           |
|                                | ISO15               | BBKK.I15.L050.G.35.C       |            | 18.10      | 50.50     |           |           |           |           |                           |
|                                | ISO20               | BBKK.I20.L050.G.35.C       |            | 23.70      | 50.50     |           |           |           |           |                           |
|                                | ISO25               | BBKK.I25.L050.G.35.C       |            | 29.70      | 50.50     |           |           |           |           |                           |
|                                | ISO32               | BBKK.I32.L050.G.35.C       |            | 38.40      | 64.00     |           |           |           |           |                           |
|                                | ISO40               | BBKK.I40.L060.G.35.C       |            | 44.30      | 64.00     |           |           |           |           |                           |
|                                | ISO50               | BBKK.I50.L060.G.35.C       |            | 56.30      | 77.50     |           |           |           |           |                           |
|                                | ISO65               | BBKK.I65.L060.G.35.C       |            | 72.10      | 91.00     |           |           |           |           |                           |
|                                | ISO80               | BBKK.I80.L060.G.35.C       |            | 84.30      | 106.00    |           |           |           |           |                           |
|                                | ISO100              | BBKK.I100.L075.G.35.C      |            | 109.70     | 144.50    |           |           |           |           |                           |
| OD Abmessung<br>OD Dimension   | OD $\frac{1}{4}$ "  | BBKK.O02.Lxxx.G.35.C       |            | 4.57       | 25.00     |           |           |           |           |                           |
|                                | OD $\frac{3}{8}$ "  | BBKK.O03.Lxxx.G.35.C       |            | 7.75       | 25.00     |           |           |           |           |                           |
|                                | OD $\frac{1}{2}$ "  | BBKK.O05.Lxxx.G.35.C       |            | 9.40       | 25.00     |           |           |           |           |                           |
|                                | OD $\frac{3}{4}$ "  | BBKK.O07.Lxxx.G.35.C       |            | 15.75      | 50.50     |           |           |           |           |                           |
|                                | OD1"                | BBKK.O10.Lxxx.G.35.C       |            | 22.10      | 50.50     |           |           |           |           |                           |
|                                | OD1 $\frac{1}{2}$ " | BBKK.O15.Lxxx.G.35.C       |            | 34.80      | 50.50     |           |           |           |           |                           |
|                                | OD2"                | BBKK.O20.Lxxx.G.35.C       |            | 47.50      | 64.00     |           |           |           |           |                           |
|                                | OD2 $\frac{1}{2}$ " | BBKK.O25.Lxxx.G.35.C       |            | 60.20      | 77.50     |           |           |           |           |                           |
|                                | OD3"                | BBKK.O30.Lxxx.G.35.C       |            | 72.90      | 91.00     |           |           |           |           |                           |
|                                | OD4"                | BBKK.O40.Lxxx.G.35.C       |            | 97.38      | 119.00    |           |           |           |           |                           |

## 4 bio-t® Behälterstutzen konisch öffnend nach DIN11864-3 (Nutmekmmstutzen) bio-t® Vessel Clamp conical opening acc. DIN11864-3 (Female Clamp)

|                                | Größe<br>Size       | Artikel-Nr.<br>Article-No. | AD<br>[mm] | ID<br>[mm] | D<br>[mm] | S<br>[mm] | L<br>[mm] | H<br>[mm] | B<br>[mm] | Gewicht<br>Weight<br>[kg] |
|--------------------------------|---------------------|----------------------------|------------|------------|-----------|-----------|-----------|-----------|-----------|---------------------------|
| DIN Abmessung<br>DIN Dimension | DIN10               | ANKK.D10.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | DIN15               | ANKK.D15.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | DIN20               | ANKK.D20.Lxxx.G.35.C       |            |            | 50.50     |           |           |           |           |                           |
|                                | DIN25               | ANKK.D25.Lxxx.G.35.C       |            |            | 50.50     |           |           |           |           |                           |
|                                | DIN32               | ANKK.D32.Lxxx.G.35.C       |            |            | 50.50     |           |           |           |           |                           |
|                                | DIN40               | ANKK.D40.Lxxx.G.35.C       |            |            | 64.00     |           |           |           |           |                           |
|                                | DIN50               | ANKK.D50.Lxxx.G.35.C       |            |            | 77.50     |           |           |           |           |                           |
|                                | DIN65               | ANKK.D65.Lxxx.G.35.C       |            |            | 91.00     |           |           |           |           |                           |
|                                | DIN80               | ANKK.D80.Lxxx.G.35.C       |            |            | 106.00    |           |           |           |           |                           |
|                                | DIN100              | ANKK.D100.Lxxx.G.35.C      |            |            | 130.00    |           |           |           |           |                           |
| ISO Abmessung<br>ISO Dimension | ISO08               | ANKK.I08.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | ISO10               | ANKK.I10.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | ISO15               | ANKK.I15.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | ISO20               | ANKK.I20.Lxxx.G.35.C       |            |            | 50.50     |           |           |           |           |                           |
|                                | ISO25               | ANKK.I25.Lxxx.G.35.C       |            |            | 50.50     |           |           |           |           |                           |
|                                | ISO32               | ANKK.I32.Lxxx.G.35.C       |            |            | 64.00     |           |           |           |           |                           |
|                                | ISO40               | ANKK.I40.Lxxx.G.35.C       |            |            | 64.00     |           |           |           |           |                           |
|                                | ISO50               | ANKK.I50.Lxxx.G.35.C       |            |            | 91.00     |           |           |           |           |                           |
|                                | ISO65               | ANKK.I65.Lxxx.G.35.C       |            |            | 106.00    |           |           |           |           |                           |
|                                | ISO80               | ANKK.I80.Lxxx.G.35.C       |            |            | 119.00    |           |           |           |           |                           |
| OD Abmessung<br>OD Dimension   | OD $\frac{1}{2}$ "  | ANKK.O05.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | OD $\frac{3}{4}$ "  | ANKK.O07.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | OD1"                | ANKK.O10.Lxxx.G.35.C       |            |            | 50.50     |           |           |           |           |                           |
|                                | OD1 $\frac{1}{2}$ " | ANKK.O15.Lxxx.G.35.C       |            |            | 64.00     |           |           |           |           |                           |
|                                | OD2"                | ANKK.O20.Lxxx.G.35.C       |            |            | 77.50     |           |           |           |           |                           |
|                                | OD2 $\frac{1}{2}$ " | ANKK.O25.Lxxx.G.35.C       |            |            | 91.00     |           |           |           |           |                           |
|                                | OD3"                | ANKK.O30.Lxxx.G.35.C       |            |            | 106.00    |           |           |           |           |                           |
|                                | OD4"                | ANKK.O40.Lxxx.G.35.C       |            |            | 130.00    |           |           |           |           |                           |

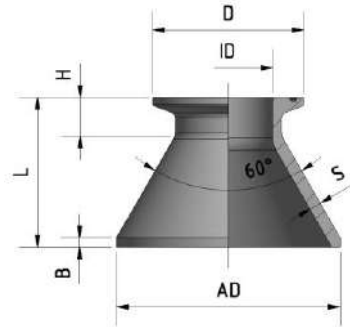
## 5 bio-t® Behälterstutzen konisch öffnend nach DIN11864-3 (Bundklemmstutzen) bio-t® Vessel Clamp conical opening acc. DIN11864-3 (Male Clamp)

|                                | Größe<br>Size       | Artikel-Nr.<br>Article-No. | AD<br>[mm] | ID<br>[mm] | D<br>[mm] | S<br>[mm] | L<br>[mm] | H<br>[mm] | B<br>[mm] | Gewicht<br>Weight<br>[kg] |
|--------------------------------|---------------------|----------------------------|------------|------------|-----------|-----------|-----------|-----------|-----------|---------------------------|
| DIN Abmessung<br>DIN Dimension | DIN10               | ABKK.D10.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | DIN15               | ABKK.D15.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | DIN20               | ABKK.D20.Lxxx.G.35.C       |            |            | 50.50     |           |           |           |           |                           |
|                                | DIN25               | ABKK.D25.Lxxx.G.35.C       |            |            | 50.50     |           |           |           |           |                           |
|                                | DIN32               | ABKK.D32.Lxxx.G.35.C       |            |            | 50.50     |           |           |           |           |                           |
|                                | DIN40               | ABKK.D40.Lxxx.G.35.C       |            |            | 64.00     |           |           |           |           |                           |
|                                | DIN50               | ABKK.D50.Lxxx.G.35.C       |            |            | 77.50     |           |           |           |           |                           |
|                                | DIN65               | ABKK.D65.Lxxx.G.35.C       |            |            | 91.00     |           |           |           |           |                           |
|                                | DIN80               | ABKK.D80.Lxxx.G.35.C       |            |            | 106.00    |           |           |           |           |                           |
|                                | DIN100              | ABKK.D100.Lxxx.G.35.C      |            |            | 130.00    |           |           |           |           |                           |
| ISO Abmessung<br>ISO Dimension | ISO08               | ABKK.I08.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | ISO10               | ABKK.I10.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | ISO15               | ABKK.I15.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | ISO20               | ABKK.I20.Lxxx.G.35.C       |            |            | 50.50     |           |           |           |           |                           |
|                                | ISO25               | ABKK.I25.Lxxx.G.35.C       |            |            | 50.50     |           |           |           |           |                           |
|                                | ISO32               | ABKK.I32.Lxxx.G.35.C       |            |            | 64.00     |           |           |           |           |                           |
|                                | ISO40               | ABKK.I40.Lxxx.G.35.C       |            |            | 64.00     |           |           |           |           |                           |
|                                | ISO50               | ABKK.I50.Lxxx.G.35.C       |            |            | 91.00     |           |           |           |           |                           |
|                                | ISO65               | ABKK.I65.Lxxx.G.35.C       |            |            | 106.00    |           |           |           |           |                           |
|                                | ISO80               | ABKK.I80.Lxxx.G.35.C       |            |            | 119.00    |           |           |           |           |                           |
| OD Abmessung<br>OD Dimension   | OD $\frac{1}{2}$ "  | ABKK.O05.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | OD $\frac{3}{4}$ "  | ABKK.O07.Lxxx.G.35.C       |            |            | 34.00     |           |           |           |           |                           |
|                                | OD1"                | ABKK.O10.Lxxx.G.35.C       |            |            | 50.50     |           |           |           |           |                           |
|                                | OD1 $\frac{1}{2}$ " | ABKK.O15.Lxxx.G.35.C       |            |            | 64.00     |           |           |           |           |                           |
|                                | OD2"                | ABKK.O20.Lxxx.G.35.C       |            |            | 77.50     |           |           |           |           |                           |
|                                | OD2 $\frac{1}{2}$ " | ABKK.O25.Lxxx.G.35.C       |            |            | 91.00     |           |           |           |           |                           |
|                                | OD3"                | ABKK.O30.Lxxx.G.35.C       |            |            | 106.00    |           |           |           |           |                           |
|                                | OD4"                | ABKK.O40.Lxxx.G.35.C       |            |            | 130.00    |           |           |           |           |                           |



## 6 bio-t® Behälterstutzen konisch öffnend nach DIN32676

### bio-t® Vessel Ferrule conical opening acc. DIN32676



|                                | Größe<br>Size | Artikel-Nr.<br>Article-No. | AD<br>[mm] | ID<br>[mm] | D<br>[mm] | S<br>[mm] | L<br>[mm] | H<br>[mm] | B<br>[mm] | Gewicht<br>Weight<br>[kg] |
|--------------------------------|---------------|----------------------------|------------|------------|-----------|-----------|-----------|-----------|-----------|---------------------------|
| DIN Abmessung<br>DIN Dimension | DIN04         | TCSK.D04.Lxxx.G.35.C       |            | 4.00       | 25.00     |           |           |           |           |                           |
|                                | DIN06         | TCSK.D06.Lxxx.G.35.C       |            | 6.00       | 25.00     |           |           |           |           |                           |
|                                | DIN08         | TCSK.D08.Lxxx.G.35.C       |            | 8.00       | 25.00     |           |           |           |           |                           |
|                                | DIN10         | TCSK.D10.Lxxx.G.35.C       |            | 10.00      | 34.00     |           |           |           |           |                           |
|                                | DIN15         | TCSK.D15.Lxxx.G.35.C       |            | 16.00      | 34.00     |           |           |           |           |                           |
|                                | DIN20         | TCSK.D20.Lxxx.G.35.C       |            | 20.00      | 34.00     |           |           |           |           |                           |
|                                | DIN25         | TCSK.D25.Lxxx.G.35.C       |            | 26.00      | 50.50     |           |           |           |           |                           |
|                                | DIN32         | TCSK.D32.Lxxx.G.35.C       |            | 32.00      | 50.50     |           |           |           |           |                           |
|                                | DIN40         | TCSK.D40.Lxxx.G.35.C       |            | 38.00      | 50.50     |           |           |           |           |                           |
|                                | DIN50         | TCSK.D50.Lxxx.G.35.C       |            | 50.00      | 64.00     |           |           |           |           |                           |
|                                | DIN65         | TCSK.D65.Lxxx.G.35.C       |            | 66.00      | 91.00     |           |           |           |           |                           |
|                                | DIN80         | TCSK.D80.Lxxx.G.35.C       |            | 81.00      | 106.00    |           |           |           |           |                           |
|                                | DIN100        | TCSK.D100.Lxxx.G.35.C      |            | 100.00     | 119.00    |           |           |           |           |                           |
|                                | DIN125        | TCSK.D125.Lxxx.G.35.C      |            | 125.00     | 155.00    |           |           |           |           |                           |
|                                | DIN150        | TCSK.D150.Lxxx.G.35.C      |            | 150.00     | 183.00    |           |           |           |           |                           |
|                                | DIN200        | TCSK.D200.Lxxx.G.35.C      |            | 200.00     | 233.50    |           |           |           |           |                           |
| ISO Abmessung<br>ISO Dimension | ISO06         | TCSK.I06.Lxxx.G.35.C       |            | 7.00       | 25.00     |           |           |           |           |                           |
|                                | ISO08         | TCSK.I08.Lxxx.G.35.C       |            | 10.30      | 25.00     |           |           |           |           |                           |
|                                | ISO10         | TCSK.I10.L050.G.35.C       | 59.00      | 14.00      | 25.00     | 4.00      | 50.00     | 13.00     | 3.00      | 0.17                      |
|                                | ISO15         | TCSK.I15.L050.G.35.C       | 63.00      | 18.10      | 50.50     | 4.00      | 50.00     | 13.00     | 3.00      | 0.25                      |
|                                | ISO20         | TCSK.I20.L050.G.35.C       | 69.00      | 23.70      | 50.50     | 4.00      | 50.00     | 13.00     | 3.00      | 0.26                      |
|                                | ISO25         | TCSK.I25.L050.G.35.C       | 75.00      | 29.70      | 50.50     | 4.00      | 50.00     | 13.00     | 3.00      | 0.28                      |
|                                | ISO32         | TCSK.I32.L050.G.35.C       | 83.00      | 38.40      | 64.00     | 4.00      | 50.00     | 13.00     | 3.00      | 0.35                      |
|                                | ISO40         | TCSK.I40.L060.G.35.C       | 101.00     | 44.30      | 64.00     | 4.00      | 60.00     | 13.00     | 3.00      | 0.47                      |
|                                | ISO50         | TCSK.I50.L060.G.35.C       | 113.00     | 56.30      | 77.50     | 4.00      | 60.00     | 13.00     | 3.00      | 0.56                      |
|                                | ISO65         | TCSK.I65.L060.G.35.C       | 129.00     | 72.10      | 91.00     | 4.00      | 60.00     | 13.00     | 3.00      | 0.66                      |
|                                | ISO80         | TCSK.I80.L060.G.35.C       | 141.00     | 84.30      | 106.00    | 6.00      | 60.00     | 13.00     | 5.00      | 1.06                      |
|                                | ISO100        | TCSK.I100.L075.G.35.C      | 183.00     | 109.70     | 130.00    | 6.00      | 75.00     | 13.00     | 5.00      | 1.74                      |
|                                | ISO125        | TCSK.I125.L075.G.35.C      | 202.00     | 134.50     | 155.00    | 6.00      | 75.00     | 18.00     | 5.00      | 2.01                      |
|                                | ISO150        | TCSK.I150.L075.G.35.C      | 231.00     | 163.10     | 183.00    | 6.00      | 75.00     | 18.00     | 5.00      | 2.35                      |
|                                | ISO200        | TCSK.I200.L075.G.35.C      | 281.00     | 213.90     | 233.50    | 6.00      | 75.00     | 18.00     | 5.00      | 2.96                      |

|                              | Größe<br>Size       | Artikel-Nr.<br>Article-No. | AD<br>[mm] | ID<br>[mm] | D<br>[mm] | S<br>[mm] | L<br>[mm] | H<br>[mm] | B<br>[mm] | Gewicht<br>Weight<br>[kg] |
|------------------------------|---------------------|----------------------------|------------|------------|-----------|-----------|-----------|-----------|-----------|---------------------------|
| OD Abmessung<br>OD Dimension | OD $\frac{1}{4}$ "  | TCSK.O02.Lxxx.G.35.C       |            | 4.57       | 25.00     |           |           |           |           |                           |
|                              | OD $\frac{3}{8}$ "  | TCSK.O03.Lxxx.G.35.C       |            | 7.75       | 25.00     |           |           |           |           |                           |
|                              | OD $\frac{1}{2}$ "  | TCSK.O05.Lxxx.G.35.C       |            | 9.40       | 25.00     |           |           |           |           |                           |
|                              | OD $\frac{3}{4}$ "  | TCSK.O07.Lxxx.G.35.C       |            | 15.75      | 25.00     |           |           |           |           |                           |
|                              | OD1"                | TCSK.O10.L050.G.35.C       | 67.00      | 22.10      | 50.50     | 4.00      | 50.00     | 13.00     | 3.00      | 0.26                      |
|                              | OD1 $\frac{1}{2}$ " | TCSK.O15.L050.G.35.C       | 80.00      | 34.80      | 50.50     | 4.00      | 50.00     | 13.00     | 3.00      | 0.29                      |
|                              | OD2"                | TCSK.O20.L060.G.35.C       | 104.00     | 47.50      | 64.00     | 4.00      | 60.00     | 13.00     | 3.00      | 0.48                      |
|                              | OD2 $\frac{1}{2}$ " | TCSK.O25.L060.G.35.C       | 117.00     | 60.20      | 77.50     | 4.00      | 60.00     | 13.00     | 3.00      | 0.57                      |
|                              | OD3"                | TCSK.O30.L060.G.35.C       | 129.00     | 72.90      | 91.00     | 4.00      | 60.00     | 13.00     | 3.00      | 0.66                      |
|                              | OD4"                | TCSK.O40.L075.G.35.C       | 171.00     | 97.38      | 119.00    | 6.00      | 75.00     | 13.00     | 5.00      | 1.60                      |
|                              | OD6"                | TCSK.O60.Lxxx.G.35.C       |            | 146.86     | 167.00    |           |           |           |           |                           |

## 7 Bestellschlüssel Ordering Key

### 1. Artikel / Article

|             |                                                                                    |
|-------------|------------------------------------------------------------------------------------|
| <b>BNKK</b> | bio-plus® Nutklemmstutzen konisch öffnend / bio-plus® Female Clamp conical opening |
| <b>BBKK</b> | bio-plus® Bundklemmstutzen konisch öffnend / bio-plus® Male Clamp conical opening  |
| <b>ANKK</b> | DIN11864 Nutklemmstutzen konisch öffnend / Aseptic Female Clamp conical opening    |
| <b>ABKK</b> | DIN11864 Bundklemmstutzen konisch öffnend / Aseptic Male Clamp conical opening     |
| <b>TCSK</b> | DIN32676 TC Stutzen konisch öffnend / DIN32676 TC Ferrule conical opening          |

### 2. Norm / Standard

|          |                               |
|----------|-------------------------------|
| <b>D</b> | DIN Abmessung / DIN dimension |
| <b>I</b> | ISO Abmessung / ISO dimension |
| <b>O</b> | OD Abmessung / OD dimension   |

### 2.1 Nennweite / Nominal Size

(siehe Rohranschlussstabelle 010 /  
see Table of Pipe Connections 010)

|            |                                      |
|------------|--------------------------------------|
| <b>02</b>  | DN02 Nennweite / DN02 Nominal Size   |
| <b>03</b>  | DN03 Nennweite / DN03 Nominal Size   |
| <b>04</b>  | DN04 Nennweite / DN04 Nominal Size   |
| <b>06</b>  | DN06 Nennweite / DN06 Nominal Size   |
| <b>08</b>  | DN08 Nennweite / DN08 Nominal Size   |
| <b>10</b>  | DN10 Nennweite / DN10 Nominal Size   |
| <b>15</b>  | DN15 Nennweite / DN15 Nominal Size   |
| <b>20</b>  | DN20 Nennweite / DN20 Nominal Size   |
| <b>25</b>  | DN25 Nennweite / DN25 Nominal Size   |
| <b>30</b>  | DN30 Nennweite / DN30 Nominal Size   |
| <b>32</b>  | DN32 Nennweite / DN32 Nominal Size   |
| <b>40</b>  | DN40 Nennweite / DN40 Nominal Size   |
| <b>50</b>  | DN50 Nennweite / DN50 Nominal Size   |
| <b>65</b>  | DN65 Nennweite / DN65 Nominal Size   |
| <b>80</b>  | DN80 Nennweite / DN80 Nominal Size   |
| <b>100</b> | DN100 Nennweite / DN100 Nominal Size |

### 3. Länge / Length

|             |                     |
|-------------|---------------------|
| <b>L000</b> | Länge / Length [mm] |
|-------------|---------------------|

### 4. Zusatzinformation / Additional Information

|             |                    |
|-------------|--------------------|
| <b>G</b>    | Gerade / Straight  |
| <b>W00</b>  | Winkel / Angle [°] |
| <b>R000</b> | Radius [mm]        |

### 5. Material / Material

|           |                        |
|-----------|------------------------|
| <b>35</b> | 1.4435 BN2             |
| <b>39</b> | 1.4539                 |
| <b>22</b> | 2.4602 (Hastelloy C22) |

## 6. Oberfläche / Surface

|          |
|----------|
| <b>C</b> |
| <b>E</b> |

Innenoberfläche Ra<0.6; electropoliert / Internal Surface Ra<0.6; electropolished

Innenoberfläche Ra<0.4; electropoliert / Internal Surface Ra<0.4; electropolished

### Behälterstutzen konisch öffnend - Komplettbaugruppe Vessel Ferrule conical opening - Complete Assembly

Bestellbeispiel / Ordering example: TCKO.I25.G050.35.C

| TCSK | I25 | L050 | G | 35 | C |
|------|-----|------|---|----|---|
|      |     |      |   |    |   |
| 1    | 2   | 3    | 4 | 5  | 6 |

## 8 Rohranschluss-Tabelle 010

### Table of Pipe Connections 010

| Nennweite<br>Nominal Size | DIN 11866                       |                                 |                               |
|---------------------------|---------------------------------|---------------------------------|-------------------------------|
|                           | Reihe A (DIN)<br>Series A (DIN) | Reihe B (ISO)<br>Series B (ISO) | Reihe C (OD)<br>Series C (OD) |
| 02                        |                                 |                                 | ø6.35x0.89                    |
| 03                        |                                 |                                 | ø9.53x0.89                    |
| 04                        | ø6.00x1.00                      |                                 |                               |
| 06                        | ø8.00x1.00                      | ø10.20x1.60                     |                               |
| 08                        | ø10.00x1.00                     | ø13.50x1.60                     |                               |
| 10                        | ø13.00x1.50                     | ø17.20x1.60                     | ø25.40x1.65                   |
| 15                        | ø19.00x1.50                     | ø21.30x1.60                     | ø38.10x1.65                   |
| 20                        | ø23.00x1.50                     | ø26.90x1.60                     | ø50.80x1.65                   |
| 25                        | ø29.00x1.50                     | ø33.70x2.00                     | ø63.50x1.65                   |
| 30                        |                                 |                                 | ø76.20x1.65                   |
| 32                        | ø35.00x1.50                     | ø42.40x2.00                     |                               |
| 40                        | ø41.00x1.50                     | ø48.30x2.00                     | ø101.60x2.11                  |
| 50                        | ø 53.00x1.50                    | ø60.30x2.00                     |                               |
| 65                        | ø 70.00x2.00                    | ø76.10x2.00                     |                               |
| 80                        | ø 85.00x2.00                    | ø88.90x2.30                     | ø203.20x2.77                  |
| 100                       | ø 104.00x2.00                   | ø114.30x2.30                    |                               |

Maß- und Konstruktionsänderungen vorbehalten. Revisionsdatum: 06/18  
 Specifications and design are subject to change without notice. Date of revision: 06/18