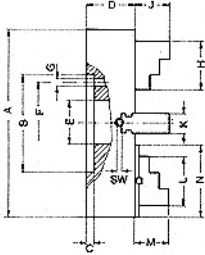


Zylindrische Zentrieraufnahme cylindrical centre mount

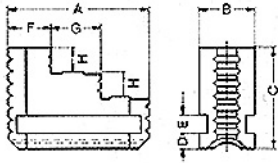


| Größe size | A | 150 | 200 | 260 | 310 | 350 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1100 | 1200 |
|--------------------------------------|---------|-------------------|-------------------|--------|--------|--------|------|------|------|--------|--------|--------|--------|------|------|------|------|------------------|
| BH ⁸ | | 120,65 | 120,65 | 130 | 130 | 165 | 210 | 210 | 210 | 260 | 260 | 260 | 260 | 370 | 370 | 370 | 370 | 550 |
| C | | 4 | 6,5 | 8 | 8 | 14 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| D | | 66 | 70 | 85 | 95 | 95 | 105 | 105 | 105 | 125 | 125 | 125 | 125 | 135 | 145 | 145 | 160 | 160 |
| E | UGE-UGU | 44 | 60 | 70 | 70 | 90 | 127 | 127 | 127 | 150 | 150 | 150 | 150 | 240 | 190 | 190 | 190 | 190 |
| | USE-USU | | | 70 | 75 | 90 | 95 | 95 | 95 | 135 | | 135 | 135 | 180 | 190 | 190 | 190 | 190 |
| F | | 98,4 | 98,4 | 105 | 105 | 145 | 175 | 175 | 175 | 220 | 220 | 220 | 220 | 330 | 330 | 330 | 330 | 500 |
| G | | 4x13,5 | 4x13,5 | 4x13,5 | 4x13,5 | 4x13,5 | 4x17 | 4x17 | 4x17 | 4x20,5 | 4x20,5 | 4x20,5 | 4x20,5 | 8x22 | 8x22 | 8x22 | 8x22 | 8x26 |
| H | | 61 | 75 | 85 | 94 | 104 | 112 | 124 | 136 | 160 | 160 | 160 | 172 | 185 | — | — | — | — |
| J | | 26 | 29 | 32 | 34 | 36 | 44 | 48 | 52 | 56 | 56 | 56 | 74 | 80 | — | — | — | — |
| K | | 30 | 30 | 35 | 35 | 35 | 40 | 40 | 40 | 45 | 45 | 45 | 45 | 60 | 60 | 60 | 60 | 70 |
| L | | — | 60 | 80 | 87 | 95 | 105 | 114 | 126 | 132 | 140 | 140 | 165 | 210 | 210 | 210 | 210 | 210 |
| M | | — | 48 | 54 | 57 | 60 | 72 | 72 | 77 | 77 | 82 | 82 | 87 | 91 | 91 | 111 | 111 | 111 |
| N | | — | 72 | 100 | 105 | 115 | 125 | 135 | 145 | 155 | 165 | 165 | 185 | 240 | 240 | 240 | 240 | 350 |
| SW | | 9,5 ¹⁾ | 9,5 ¹⁾ | 10 | 10 | 10 | 13 | 13 | 13 | 16 | 16 | 16 | 16 | 18 | 18 | 18 | 18 | 24 ²⁾ |
| Gewicht ca. kg weight approx. kg. | | 8 | 14 | 23 | 32 | 41 | 52 | 76 | 91 | 110 | 132 | 150 | 190 | 270 | 300 | 395 | 620 | 800 |

1) Innensechskant
2) Außensechskant

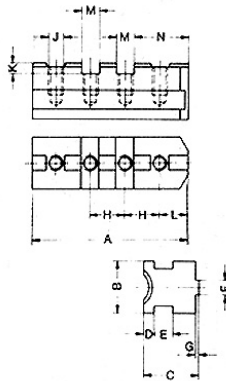
1) inner hexagon
2) outer hexagon

Einteilige Umkehrbacken EB reversible one-piece jaw EB



| Größe size | 150 | 200 | 260 | 310 | 350 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | | | | |
|--------------------------------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|-----|--|--|--|--|
| A | 61 | 75 | 85 | 94 | | 112 | 136 | 160 | 160 | 160 | 160 | 172 | 185 | | | | |
| B | 30 | 30 | 35 | 35 | | 40 | 40 | 45 | 45 | 45 | 45 | 45 | 60 | | | | |
| C | 52 | 55 | 64 | 66 | | 80 | 88 | 96 | 96 | 96 | 96 | 114 | 130 | | | | |
| D | 8 | 8 | 10 | 10 | | 10 | 10 | 12 | 12 | 12 | 12 | 12 | 14 | | | | |
| E | 10 | 10 | 12 | 12 | | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 18 | | | | |
| F | 19 | 23 | 27 | 30 | | 36 | 42 | 48 | 48 | 48 | 48 | 52 | 55 | | | | |
| G | 21 | 26 | 29 | 32 | | 38 | 46 | 56 | 56 | 56 | 56 | 60 | 65 | | | | |
| H | 11 | 13 | 14 | 15 | | 19 | 23 | 23 | 23 | 23 | 23 | 29 | 30 | | | | |
| Backe ca. kg jaw approx. kg | 0,4 | 0,5 | 0,8 | 0,9 | | 1,6 | 2,25 | 2,7 | 3,1 | 3,1 | 3,5 | 4,2 | | | | | |

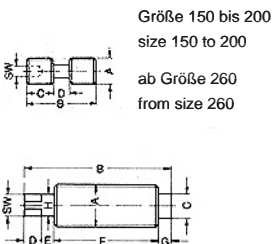
Grundbacken GB base jaw GB



| Größe size | 150 | 200 | 260 | 310 | 350 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1100 | 1200 |
|--------------------------------|-----|-------|-------|-------|-----|-------|-------|-----|-------|-----|-------|-----|-------|-----|------|------|-------|
| A | | 77 | 91 | 107 | | 126 | 164,5 | | 165 | | 202 | | 240 | | | | 350 |
| B | | 30 | 35 | 35 | | 40 | 40 | | 45 | | 45 | | 60 | | | | 70 |
| C | | 34,1 | 40,1 | 40,1 | | 47,1 | 47,1 | | 51,1 | | 51,1 | | 61,1 | | | | 92,2 |
| D | | 8 | 10 | 10 | | 10 | 10 | | 12 | | 12 | | 14 | | | | 13 |
| E | | 10 | 12 | 12 | | 14 | 14 | | 14 | | 14 | | 18 | | | | 30 |
| F | | 7,94 | 12,7 | 12,7 | | 12,7 | 12,7 | | 12,7 | | 12,7 | | 12,7 | | | | 12,7 |
| G | | 3,1 | 3,1 | 3,1 | | 3,1 | 3,1 | | 3,1 | | 3,1 | | 3,1 | | | | 3,1 |
| H | | 44,45 | 54 | 63,5 | | 76,2 | 38,1 | | 38,1 | | 38,1 | | 38,1 | | | | 38,1 |
| J | | M8 | M12 | M12 | | M16 | M20 | | M20 | | M20 | | M20 | | | | M20 |
| K | | 7,6 | 7,6 | 7,6 | | 10,8 | 10,8 | | 10,8 | | 10,8 | | 10,8 | | | | 10,8 |
| L | | 18 | 21,2 | 24,4 | | 27,5 | 27,5 | | 27,5 | | 27,5 | | 27,5 | | | | 26,4 |
| M | | 12,68 | 19,03 | 19,03 | | 19,03 | 19,03 | | 19,03 | | 19,03 | | 19,03 | | | | 19,03 |
| N | | 33,9 | 38,7 | 46,6 | | 56,1 | 56,1 | | 56,1 | | 56,1 | | 56,1 | | | | 55 |
| Nuten grooves | | 1 | 1 | 1 | | 1 | 2 | | 2 | | 3 | | 4 | | | | 4 |
| Gewinde-Löcher tapped holes | | 2 | 2 | 2 | | 2 | 4 | | 4 | | 5 | | 6 | | | | 9 |
| Backe ca. kg jaw approx. kg | | 0,5 | 0,8 | 0,9 | | 1,1 | 1,2 | | 1,4 | | 2,2 | | 2,8 | | | | 3,5 |

Umkehr-Aufsatzbacken UB und ungestufte Aufsatzbacken AB siehe Hauptkatalog Seite 3026
Reversible top jaws UB and unstepped top jaws AB see main catalogue on page 3026

Verstellspindeln adjusting spindle



| Größe size | 150 | 200 | 260 | 310 | 350 | 400 | 450 ¹⁾ | 500 ²⁾ | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1100 | 1200 |
|------------|-------------------|-------------------|------|-----|------|------|-------------------|-------------------|------|------|------|------|-----|-----|------|------|------------------|
| A | 22 | 22 | 26 | 26 | 26 | 30 | 30 | 30 | 34 | 34 | 34 | 34 | 40 | 40 | 40 | 40 | 48 |
| B | 51 | 60 | 83,5 | 99 | 112 | 129 | 141 | 167 | 180 | 200 | 200 | 200 | 240 | 290 | 323 | 372 | 425 |
| C | 20 | 23 | 14 | 14 | 14 | 16 | 16 | 16 | 28 | 28 | 28 | 28 | 33 | 33 | 33 | 33 | — |
| D | 10 | 12 | 13 | 15 | 16 | 16 | 16 | 16 | 20,5 | 20,5 | 20,5 | 20,5 | 24 | 24 | 24 | 24 | 35 |
| E | | | 13,5 | 15 | 16,5 | 18,5 | 18,5 | 18,5 | 21,5 | 21,5 | 21,5 | 21,5 | 24 | 24 | 24 | 24 | 30 |
| F | | | 45 | 55 | 63 | 78 | 90 | 116 | 123 | 143 | 143 | 143 | 172 | 222 | 265 | 305 | 360 |
| G | | | 12 | 14 | 16,5 | 16,5 | 16,5 | 16,5 | 13,5 | 13,5 | 13,5 | 13,5 | 20 | 20 | 20 | 20 | — |
| H | | | 14 | 14 | 14 | 16 | 16 | 16 | 20 | 20 | 20 | 20 | 22 | 22 | 22 | 22 | 28 |
| SW | 9,5 ³⁾ | 9,5 ³⁾ | 10 | 10 | 10 | 13 | 13 | 13 | 16 | 16 | 16 | 16 | 18 | 18 | 18 | 18 | 24 ⁴⁾ |

1) nur UGE-UGU
2) auch USE-USU 450
3) mit Innensechskant
4) Außensechskant
1) only UGE-UGU
2) also USE-USU 450
3) with inner hexagon
4) with outer hexagon

Spannbereiche der Stufenbacken (Richtwerte) Chucking capacities of jaw steps (approximate values)

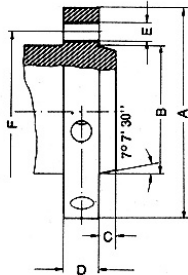
| Réf. Tam. | mm mm | 150 | 200 | 260 | 310 | 350 | 400 | 450 | 500 | 560 | 600 | 630 | 710 | 800 | 900 | 1000 | 1100 | 1200 |
|--|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|
| A1 min. | | 16 | 16 | 20 | 20 | 20 | 35 | 40 | 40 | 45 | 50 | 60 | 130 | 190 | 190 | 200 | 210 | 220 |
| A2 max. | | 130 | 190 | 260 | 295 | 350 | 400 | 450 | 500 | 550 | 570 | 585 | 690 | 800 | 900 | 1000 | 1100 | 1200 |
| ∅ de rotation max. ∅ máximo de rot. | | 170 | 235 | 305 | 355 | 410 | 465 | 510 | 570 | 640 | 660 | 675 | 785 | 870 | 1020 | 1120 | 1220 | 1320 |

| <p>DIN 800, mit Gewinde DIN 800, with thread</p> | <table border="1"> <thead> <tr> <th>A</th> <th>Bg5</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> </tr> <tr> <td>A</td> <td>Bg5</td> <td>C</td> <td>D</td> <td>E</td> <td>F</td> </tr> <tr> <td>Mean tol.</td> <td>Bg5</td> <td>Minimum</td> <td></td> <td></td> <td></td> </tr> </thead> <tbody> <tr><td>M20</td><td>21</td><td>30</td><td>6,3</td><td>10</td><td>20</td></tr> <tr><td>M24</td><td>25</td><td>36</td><td>8</td><td>12</td><td>24</td></tr> <tr><td>M33</td><td>34</td><td>50</td><td>9</td><td>14</td><td>30</td></tr> <tr><td>M39</td><td>40</td><td>56</td><td>10</td><td>16</td><td>35</td></tr> <tr><td>M45</td><td>46</td><td>67</td><td>11</td><td>18</td><td>40</td></tr> <tr><td>M52</td><td>55</td><td>80</td><td>12</td><td>20</td><td>45</td></tr> <tr><td>M60</td><td>62</td><td>90</td><td>14</td><td>22</td><td>50</td></tr> <tr><td>M76x6</td><td>78</td><td>112</td><td>16</td><td>30</td><td>63</td></tr> <tr><td>M105x6</td><td>106</td><td>150</td><td>20</td><td>40</td><td>80</td></tr> </tbody> </table> | A | Bg5 | C | D | E | F | A | Bg5 | C | D | E | F | Mean tol. | Bg5 | Minimum | | | | M20 | 21 | 30 | 6,3 | 10 | 20 | M24 | 25 | 36 | 8 | 12 | 24 | M33 | 34 | 50 | 9 | 14 | 30 | M39 | 40 | 56 | 10 | 16 | 35 | M45 | 46 | 67 | 11 | 18 | 40 | M52 | 55 | 80 | 12 | 20 | 45 | M60 | 62 | 90 | 14 | 22 | 50 | M76x6 | 78 | 112 | 16 | 30 | 63 | M105x6 | 106 | 150 | 20 | 40 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|---|---|--|------------------------------------|--|------------------------------------|------------------------|---|--|---|---|---------------------|-----|----------------|------------------------------------|------------------------------------|------------------------|------------------------------------|------------------------|----|-----|--------|--------|-----|-------|--------|------|----|-----|--------|-----|--------|--------|-------|-------|--------|---------|----|----|--------|-------|--------|-----|---------|-------|--------|--------|-------|------|-----|---------|---------|----|--------|-------|--------|-------|---------|------|-------|--------|---------|----|--------|---------|--------|-------|--------|-------|----|-----|---------|----|-------|--------|--------|-----|--------|-------|----|-----|---------|----|--------|--------|--------|-------|----------|-------|----|-----|---------|----|--------|--------|--------|-------|----------|-------|
| A | Bg5 | C | D | E | F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A | Bg5 | C | D | E | F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean tol. | Bg5 | Minimum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M20 | 21 | 30 | 6,3 | 10 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M24 | 25 | 36 | 8 | 12 | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M33 | 34 | 50 | 9 | 14 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M39 | 40 | 56 | 10 | 16 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M45 | 46 | 67 | 11 | 18 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M52 | 55 | 80 | 12 | 20 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M60 | 62 | 90 | 14 | 22 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M76x6 | 78 | 112 | 16 | 30 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| M105x6 | 106 | 150 | 20 | 40 | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DIN 55021 ab Kegelgröße 4 mit Mitnehmer From taper size 4 with driver</p> | <table border="1"> <thead> <tr> <th>Spindelkopf-Größe</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>Lochzahl auf äußerem Lochkreis (F1) E1</th> <th>G</th> <th>F1 (äußerer Lochkr.)</th> <th>Lochzahl inn. Lochkreis (F2) E2</th> <th>F2 (innerer Lochkr.)</th> </tr> <tr> <td>spindle nose size</td> <td>A</td> <td>B</td> <td>C</td> <td>D</td> <td>Holes on outer bolt circle (F1) E1</td> <td>G</td> <td>F1 (outer bolt circle)</td> <td>Holes on inner bolt circle (F2) E2</td> <td>F2 (inner bolt circle)</td> </tr> </thead> <tbody> <tr><td>3</td><td>102</td><td>53,985</td><td>11</td><td>16</td><td>3xM10</td><td>3x10,5</td><td>75</td><td>—</td><td>—</td></tr> <tr><td>4</td><td>112</td><td>63,525</td><td>11</td><td>20</td><td>3xM10</td><td>3x10,5</td><td>85</td><td>—</td><td>—</td></tr> <tr><td>5</td><td>135</td><td>82,575</td><td>13</td><td>22</td><td>7xM10</td><td>4x10,5</td><td>104,8</td><td>8xM10</td><td>61,9</td></tr> <tr><td>6</td><td>170</td><td>106,390</td><td>14</td><td>25</td><td>7xM12</td><td>4x13</td><td>133,4</td><td>8xM12</td><td>82,6</td></tr> <tr><td>8</td><td>220</td><td>139,735</td><td>16</td><td>28</td><td>7xM16</td><td>4x17</td><td>171,4</td><td>8xM16</td><td>111,1</td></tr> <tr><td>11</td><td>290</td><td>196,885</td><td>18</td><td>35</td><td>12xM20</td><td>6x21</td><td>235</td><td>11xM20</td><td>165,1</td></tr> <tr><td>15</td><td>380</td><td>285,800</td><td>20</td><td>42</td><td>12xM24</td><td>6x25</td><td>330,2</td><td>11xM24</td><td>247,6</td></tr> <tr><td>20</td><td>520</td><td>412,800</td><td>21</td><td>48</td><td>12xM24</td><td>6x25</td><td>463,6</td><td>11xM24</td><td>368,3</td></tr> </tbody> </table> <p>Form A: Gewinde und Durchgangslöcher im Flansch (ohne inneren Lochkreis) Shape A: Tapped holes and through-holes in flange (without inner bolt circle)</p> <p>Form B: Gewindelöcher und Durchgangslöcher im Flansch (äußerer Lochkreis) und Gewindelöcher im inneren Lochkreis. Shape B: Tapped holes and through-holes in flange (outer bolt circle) and tapped holes in inner bolt circle</p> | Spindelkopf-Größe | A | B | C | D | Lochzahl auf äußerem Lochkreis (F1) E1 | G | F1 (äußerer Lochkr.) | Lochzahl inn. Lochkreis (F2) E2 | F2 (innerer Lochkr.) | spindle nose size | A | B | C | D | Holes on outer bolt circle (F1) E1 | G | F1 (outer bolt circle) | Holes on inner bolt circle (F2) E2 | F2 (inner bolt circle) | 3 | 102 | 53,985 | 11 | 16 | 3xM10 | 3x10,5 | 75 | — | — | 4 | 112 | 63,525 | 11 | 20 | 3xM10 | 3x10,5 | 85 | — | — | 5 | 135 | 82,575 | 13 | 22 | 7xM10 | 4x10,5 | 104,8 | 8xM10 | 61,9 | 6 | 170 | 106,390 | 14 | 25 | 7xM12 | 4x13 | 133,4 | 8xM12 | 82,6 | 8 | 220 | 139,735 | 16 | 28 | 7xM16 | 4x17 | 171,4 | 8xM16 | 111,1 | 11 | 290 | 196,885 | 18 | 35 | 12xM20 | 6x21 | 235 | 11xM20 | 165,1 | 15 | 380 | 285,800 | 20 | 42 | 12xM24 | 6x25 | 330,2 | 11xM24 | 247,6 | 20 | 520 | 412,800 | 21 | 48 | 12xM24 | 6x25 | 463,6 | 11xM24 | 368,3 |
| Spindelkopf-Größe | A | B | C | D | Lochzahl auf äußerem Lochkreis (F1) E1 | G | F1 (äußerer Lochkr.) | Lochzahl inn. Lochkreis (F2) E2 | F2 (innerer Lochkr.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| spindle nose size | A | B | C | D | Holes on outer bolt circle (F1) E1 | G | F1 (outer bolt circle) | Holes on inner bolt circle (F2) E2 | F2 (inner bolt circle) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 102 | 53,985 | 11 | 16 | 3xM10 | 3x10,5 | 75 | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 112 | 63,525 | 11 | 20 | 3xM10 | 3x10,5 | 85 | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 135 | 82,575 | 13 | 22 | 7xM10 | 4x10,5 | 104,8 | 8xM10 | 61,9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 170 | 106,390 | 14 | 25 | 7xM12 | 4x13 | 133,4 | 8xM12 | 82,6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 220 | 139,735 | 16 | 28 | 7xM16 | 4x17 | 171,4 | 8xM16 | 111,1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 290 | 196,885 | 18 | 35 | 12xM20 | 6x21 | 235 | 11xM20 | 165,1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 380 | 285,800 | 20 | 42 | 12xM24 | 6x25 | 330,2 | 11xM24 | 247,6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 520 | 412,800 | 21 | 48 | 12xM24 | 6x25 | 463,6 | 11xM24 | 368,3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DIN 55026 ab Kegelgröße 4 mit Mitnehmer From taper size 4 with driver</p> | <table border="1"> <thead> <tr> <th>Spindelkopf-Größe</th> <th>A</th> <th>B</th> <th>C</th> <th>C₁</th> <th>D</th> <th>Lochzahl äuß. Lochkreis (F1) E1</th> <th>F1 (äußerer Lochkr.)</th> <th>Lochzahl inn. Lochkreis (F2) E2</th> <th>F2 (innerer Lochkr.)</th> </tr> <tr> <td>spindle nose size</td> <td>A</td> <td>B</td> <td>C</td> <td>C₁</td> <td>D</td> <td>Holes on outer bolt circle (F1) E1</td> <td>F1 (outer bolt circle)</td> <td>Holes on inner bolt circle (F2) E2</td> <td>F2 (inner bolt circle)</td> </tr> </thead> <tbody> <tr><td>3</td><td>92</td><td>53,983</td><td>11</td><td>—</td><td>16</td><td>3xM10</td><td>70,6</td><td>—</td><td>—</td></tr> <tr><td>4</td><td>108</td><td>63,521</td><td>11</td><td>—</td><td>20</td><td>11xM10</td><td>82,6</td><td>—</td><td>—</td></tr> <tr><td>5</td><td>133</td><td>82,573</td><td>13</td><td>14,288</td><td>22</td><td>11xM10</td><td>104,8</td><td>8xM10</td><td>61,9</td></tr> <tr><td>6</td><td>165</td><td>106,385</td><td>14</td><td>15,875</td><td>25</td><td>11xM12</td><td>133,4</td><td>8xM12</td><td>82,6</td></tr> <tr><td>8</td><td>210</td><td>139,731</td><td>16</td><td>17,462</td><td>28</td><td>11xM16</td><td>171,4</td><td>8xM16</td><td>111,1</td></tr> <tr><td>11</td><td>280</td><td>196,883</td><td>18</td><td>19,05</td><td>35</td><td>11xM20</td><td>235</td><td>8xM20</td><td>165,1</td></tr> <tr><td>15</td><td>380</td><td>285,791</td><td>19</td><td>20,638</td><td>42</td><td>12xM24</td><td>330,2</td><td>11 x M24</td><td>247,6</td></tr> <tr><td>20</td><td>520</td><td>412,795</td><td>21</td><td>22,225</td><td>48</td><td>12xM24</td><td>463,6</td><td>11 x M24</td><td>368,3</td></tr> </tbody> </table> <p>Form A: Gewindelöcher im Flansch (äußerer Lochkreis) ohne inneren Lochkreis Shape A: Tapped holes in flange (outer bolt circle) without inner bolt circle</p> <p>Form B: Gewindelöcher im Flansch (äußerer Lochkreis) und im inneren Lochkreis Shape B: Tapped holes in flange (outer bolt circle) and in inner bolt circle</p> | Spindelkopf-Größe | A | B | C | C ₁ | D | Lochzahl äuß. Lochkreis (F1) E1 | F1 (äußerer Lochkr.) | Lochzahl inn. Lochkreis (F2) E2 | F2 (innerer Lochkr.) | spindle nose size | A | B | C | C ₁ | D | Holes on outer bolt circle (F1) E1 | F1 (outer bolt circle) | Holes on inner bolt circle (F2) E2 | F2 (inner bolt circle) | 3 | 92 | 53,983 | 11 | — | 16 | 3xM10 | 70,6 | — | — | 4 | 108 | 63,521 | 11 | — | 20 | 11xM10 | 82,6 | — | — | 5 | 133 | 82,573 | 13 | 14,288 | 22 | 11xM10 | 104,8 | 8xM10 | 61,9 | 6 | 165 | 106,385 | 14 | 15,875 | 25 | 11xM12 | 133,4 | 8xM12 | 82,6 | 8 | 210 | 139,731 | 16 | 17,462 | 28 | 11xM16 | 171,4 | 8xM16 | 111,1 | 11 | 280 | 196,883 | 18 | 19,05 | 35 | 11xM20 | 235 | 8xM20 | 165,1 | 15 | 380 | 285,791 | 19 | 20,638 | 42 | 12xM24 | 330,2 | 11 x M24 | 247,6 | 20 | 520 | 412,795 | 21 | 22,225 | 48 | 12xM24 | 463,6 | 11 x M24 | 368,3 |
| Spindelkopf-Größe | A | B | C | C ₁ | D | Lochzahl äuß. Lochkreis (F1) E1 | F1 (äußerer Lochkr.) | Lochzahl inn. Lochkreis (F2) E2 | F2 (innerer Lochkr.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| spindle nose size | A | B | C | C ₁ | D | Holes on outer bolt circle (F1) E1 | F1 (outer bolt circle) | Holes on inner bolt circle (F2) E2 | F2 (inner bolt circle) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 92 | 53,983 | 11 | — | 16 | 3xM10 | 70,6 | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 108 | 63,521 | 11 | — | 20 | 11xM10 | 82,6 | — | — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 133 | 82,573 | 13 | 14,288 | 22 | 11xM10 | 104,8 | 8xM10 | 61,9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 165 | 106,385 | 14 | 15,875 | 25 | 11xM12 | 133,4 | 8xM12 | 82,6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 210 | 139,731 | 16 | 17,462 | 28 | 11xM16 | 171,4 | 8xM16 | 111,1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 280 | 196,883 | 18 | 19,05 | 35 | 11xM20 | 235 | 8xM20 | 165,1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 380 | 285,791 | 19 | 20,638 | 42 | 12xM24 | 330,2 | 11 x M24 | 247,6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 520 | 412,795 | 21 | 22,225 | 48 | 12xM24 | 463,6 | 11 x M24 | 368,3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>DIN 55027 und 55022 Bajonett-scheiben-Befestigung (ISO 702/III) DIN 55027 and 55022 and ISO 702/III with bayonet ring fixing</p> | <table border="1"> <thead> <tr> <th>Spindelkopf-Größe</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>Lochzahl x E</th> <th>F</th> </tr> <tr> <td>spindle nose size</td> <td>A <td>B <td>C <td>D <td>Number of holes x E</td> <td>F</td> </td></td></td></td></tr> </thead> <tbody> <tr><td>3</td><td>102</td><td>53,985</td><td>11</td><td>16</td><td>3 x 21</td><td>75</td></tr> <tr><td>4</td><td>112</td><td>63,525</td><td>11</td><td>20</td><td>3 x 21</td><td>85</td></tr> <tr><td>5</td><td>135</td><td>82,575</td><td>13</td><td>22</td><td>4 x 21</td><td>104,8</td></tr> <tr><td>6</td><td>170</td><td>106,390</td><td>14</td><td>25</td><td>4 x 23</td><td>133,4</td></tr> <tr><td>8</td><td>220</td><td>139,735</td><td>16</td><td>28</td><td>4 x 29</td><td>171,4</td></tr> <tr><td>11</td><td>290</td><td>196,885</td><td>18</td><td>35</td><td>6 x 36</td><td>235</td></tr> <tr><td>15</td><td>400</td><td>285,800</td><td>19</td><td>42</td><td>6 x 43</td><td>330,2</td></tr> <tr><td>20</td><td>540</td><td>412,800</td><td>21</td><td>48</td><td>6 x 43</td><td>463,6</td></tr> </tbody> </table> | Spindelkopf-Größe | A | B | C | D | Lochzahl x E | F | spindle nose size | A <td>B <td>C <td>D <td>Number of holes x E</td> <td>F</td> </td></td></td> | B <td>C <td>D <td>Number of holes x E</td> <td>F</td> </td></td> | C <td>D <td>Number of holes x E</td> <td>F</td> </td> | D <td>Number of holes x E</td> <td>F</td> | Number of holes x E | F | 3 | 102 | 53,985 | 11 | 16 | 3 x 21 | 75 | 4 | 112 | 63,525 | 11 | 20 | 3 x 21 | 85 | 5 | 135 | 82,575 | 13 | 22 | 4 x 21 | 104,8 | 6 | 170 | 106,390 | 14 | 25 | 4 x 23 | 133,4 | 8 | 220 | 139,735 | 16 | 28 | 4 x 29 | 171,4 | 11 | 290 | 196,885 | 18 | 35 | 6 x 36 | 235 | 15 | 400 | 285,800 | 19 | 42 | 6 x 43 | 330,2 | 20 | 540 | 412,800 | 21 | 48 | 6 x 43 | 463,6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spindelkopf-Größe | A | B | C | D | Lochzahl x E | F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| spindle nose size | A <td>B <td>C <td>D <td>Number of holes x E</td> <td>F</td> </td></td></td> | B <td>C <td>D <td>Number of holes x E</td> <td>F</td> </td></td> | C <td>D <td>Number of holes x E</td> <td>F</td> </td> | D <td>Number of holes x E</td> <td>F</td> | Number of holes x E | F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 102 | 53,985 | 11 | 16 | 3 x 21 | 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 112 | 63,525 | 11 | 20 | 3 x 21 | 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 135 | 82,575 | 13 | 22 | 4 x 21 | 104,8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 170 | 106,390 | 14 | 25 | 4 x 23 | 133,4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 220 | 139,735 | 16 | 28 | 4 x 29 | 171,4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 290 | 196,885 | 18 | 35 | 6 x 36 | 235 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | 400 | 285,800 | 19 | 42 | 6 x 43 | 330,2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 540 | 412,800 | 21 | 48 | 6 x 43 | 463,6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

RÖHM Maschinen-Spindelköpfe nach DIN

Machine Spindle Noses to DIN

DIN 55029 und ASA B 5.9 D 1
Camlock-Befestigung (ISO 702/II)
DIN 55029, ASA B 5.9 D 1, and ISO 702/II
Camlock fixing

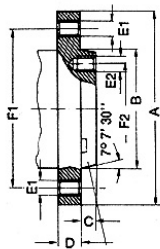


| Spindelkopf-Größe | A | B | C | D | E | F |
|-------------------|-------|---------|------|------|----------|-------|
| 3 | 92,1 | 53,985 | 11,1 | 31,8 | 3 x 15,1 | 70,66 |
| 4 | 117,5 | 63,525 | 11,1 | 33,3 | 3 x 16,7 | 82,55 |
| 5 | 146 | 82,575 | 12,7 | 38,1 | 6 x 19,8 | 104,8 |
| 6 | 181 | 106,390 | 14,3 | 44,5 | 6 x 23 | 133,4 |
| 8 | 225,4 | 139,735 | 15,9 | 50,8 | 6 x 26,2 | 171,4 |
| 11 | 298,5 | 196,885 | 17,5 | 60,3 | 6 x 31 | 235 |
| 15 | 403 | 285,800 | 19 | 69,9 | 6 x 35,7 | 330,2 |
| 20 | 546 | 412,800 | 21 | 82,5 | 6 x 42,1 | 463,6 |

RÖHM Maschinen-Spindelköpfe nach ASA B 5.9

Machine Spindle Noses to ASA B 5.9

Typ A1-A2, B1-B2
Types A1-A2, B1-B2

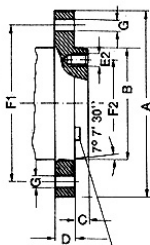


A1 Gewindelöcher im Flansch (äußerer Lochkreis) **und** im inneren Lochkreis.
ab Kegelgröße 4 mit Mitnehmer

Tapped holes in flange (outer bolt circle) **and** inner bolt circle.
From taper size 4 with driver

A2 Gewindelöcher im Flansch (äußerer Lochkreis) **ohne** inneren Lochkreis

Tapped holes in flange (outer bolt circle) **without** inner bolt circle



B1 Durchgangslöcher im Flansch (äußerer Lochkreis) **Gewindelöcher** im inneren Lochkreis.
ab Kegelgröße 4 mit Mitnehmer

Through-holes in flange (outer bolt circle), **tapped holes** in inner bolt circle.
From taper size 4 with driver

B2 Durchgangslöcher im Flansch (äußerer Lochkreis) **ohne** inneren Lochkreis.

Through-holes in flange (outer bolt circle) **without** inner bolt circle.

| Spindelkopf-Größe | A | B | C _{-0.02/5} | D | Lochzahl auf äuß. Lochkreis (F1) E1 | F1 (äußerer Lochkr.) | Lochzahl auf inn. Lochkreis (F2) E2 | F2 (innerer Lochkr.) |
|-------------------|---|---|----------------------|---|-------------------------------------|------------------------|-------------------------------------|------------------------|
| spindle nose size | A | B | C _{-0.025} | D | Holes on outer bolt circle (F1) E1 | F1 (outer bolt circle) | Holes on inner bolt circle (F2) E2 | F1 (inner bolt circle) |

A1

| | | | | | | | | |
|----|-------|---------|--------|------|--|-------|---|-------|
| 5 | 133,4 | 82,575 | 14,288 | 22,2 | 11x ⁷ / ₁₆ -14 UNC | 104,8 | 8x ⁷ / ₁₆ -14 UNC | 61,9 |
| 6 | 165,1 | 106,390 | 15,875 | 25,4 | 11x ¹ / ₂ -13 UNC | 133,4 | 8x ¹ / ₂ -13 UNC | 82,6 |
| 8 | 209,5 | 139,735 | 17,462 | 28,6 | 11x ⁹ / ₁₆ -11 UNC | 171,4 | 8x ⁹ / ₁₆ -11 UNC | 111,1 |
| 11 | 279,4 | 196,885 | 19,05 | 34,9 | 11x ³ / ₄ -10 UNC | 235 | 8x ³ / ₄ -10 UNC | 165,1 |
| 15 | 381 | 285,800 | 20,638 | 41,3 | 12x ⁷ / ₈ -9 UNC | 330,2 | 11x ⁷ / ₈ -9 UNC | 247,6 |
| 20 | 520 | 412,800 | 22,225 | 47,6 | 12x1-8 UNC | 463,6 | 11x1-8 UNC | 368,3 |

A2

| | A | B | C | D | E ₁ | F ₁ | | |
|----|-------|---------|------|------|--|----------------|--|--|
| 3 | 92,1 | 53,985 | 11,1 | 15,9 | 3x ⁷ / ₁₆ -14 UNC | 70,66 | | |
| 4 | 108 | 63,525 | 11,1 | 19 | 11x ⁷ / ₁₆ -14 UNC | 82,55 | | |
| 5 | 133,4 | 82,575 | 12,7 | 22,2 | 11x ⁷ / ₁₆ -14 UNC | 104,8 | | |
| 6 | 165,1 | 106,390 | 14,3 | 25,4 | 11x ¹ / ₂ -13 UNC | 133,4 | | |
| 8 | 209,5 | 139,735 | 15,9 | 28,6 | 11x ⁹ / ₁₆ -11 UNC | 171,4 | | |
| 11 | 279,4 | 196,885 | 17,5 | 34,9 | 11x ³ / ₄ -10 UNC | 235 | | |
| 15 | 381 | 285,800 | 19 | 41,3 | 12x ⁷ / ₈ -9 UNC | 330,2 | | |
| 20 | 520 | 412,800 | 20,6 | 47,6 | 12x1-8 UNC | 463,6 | | |

Typ A1-A2 entspricht ISO 702/II

Types A1-A2 correspond ISO 702/II

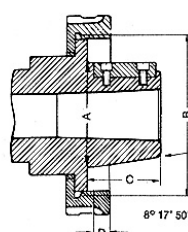
B1

| | A | B | C _{-0.02/5} | D | (F ₁) G | F ₁ | E ₂ | F ₂ |
|----|-------|---------|----------------------|------|---------------------|----------------|---|----------------|
| 5 | 133,4 | 82,575 | 14,288 | 22,2 | 11x11,9 | 104,8 | 8x ⁷ / ₁₆ -14 UNC | 61,9 |
| 6 | 165,1 | 106,390 | 15,875 | 25,4 | 11x13,5 | 133,4 | 8x ¹ / ₂ -13 UNC | 82,6 |
| 8 | 209,5 | 139,735 | 17,462 | 28,6 | 11x16,7 | 171,4 | 8x ⁹ / ₁₆ -11 UNC | 111,1 |
| 11 | 279,4 | 196,885 | 19,05 | 34,9 | 11x20,2 | 235 | 8x ³ / ₄ -10 UNC | 165,1 |
| 15 | 381 | 285,800 | 20,638 | 41,3 | 12x23,4 | 330,2 | 11x ⁷ / ₈ -9 UNC | 247,6 |
| 20 | 520 | 412,800 | 22,225 | 47,6 | 12x26,6 | 463,6 | 11x1-8 UNC | 368,3 |

B2

| | A | B | C | D | G | F ₁ | | |
|----|-------|---------|------|------|---------|----------------|--|--|
| 3 | 92,1 | 53,985 | 11,1 | 15,9 | 3x11,9 | 70,66 | | |
| 4 | 108 | 63,525 | 11,1 | 19 | 11x11,9 | 82,55 | | |
| 5 | 133,4 | 82,575 | 12,7 | 22,2 | 11x11,9 | 104,8 | | |
| 6 | 165,1 | 106,390 | 14,3 | 25,4 | 11x13,5 | 133,4 | | |
| 8 | 209,5 | 139,735 | 15,9 | 28,6 | 11x16,7 | 171,4 | | |
| 11 | 279,4 | 196,885 | 17,5 | 34,9 | 11x20,2 | 235 | | |
| 15 | 381 | 285,800 | 19 | 41,3 | 12x23,4 | 330,2 | | |
| 20 | 520 | 412,800 | 20,6 | 47,6 | 12x26,6 | 463,6 | | |

Typ L, Langkegel
Type L, long taper



| | A ^{+0.051} | B | C | D | Mitnahmefeder Driving key |
|-----|---------------------|---------------------------------------|--------|--------|------------------------------|
| L00 | 69,850 | 3 ³ / ₄ -6 UNS | 50,800 | 14,288 | 9,525 / x 38,1 |
| L0 | 82,550 | 4 ¹ / ₂ -6 UNS | 60,325 | 15,875 | 9,525 / x 44,45 |
| L1 | 104,775 | 6-6 UNS | 73,025 | 19,050 | 15,875 / x 60,32 |
| L2 | 133,350 | 7 ³ / ₄ -5 UNS | 85,725 | 25,400 | 19,05 / x 73,02 |
| L3 | 165,100 | 10 ³ / ₈ -4 UNS | 98,425 | 28,575 | 25,4 / x 82,55 |



Maschinen-Spindelköpfe abweichend DIN

Machine Spindle Noses deviating from DIN

Kurzkegel abweichend DIN

Die Maschinen der nachfolgend aufgeführten Drehmaschinen-Hersteller haben am Kurzkegel der Maschinenspindel einen von DIN abweichenden Kegeldurchmesser. Damit in diesen Fällen eine Kegelabstimmung vorgenommen werden kann, bei Bestellung des Drehfutters Maschinen-Hersteller angeben.

Short tapers deviating from DIN

Machines of the lathe chuck producers mentioned below have taper diameters differing from DIN at the short taper of the machine spindle. So that in this cases the tapers can be adapted please state name of lathe producer on your order.

| | Kegelgröße – Taper size | | | | | | | |
|---|-------------------------|---|---|---|---|----|----|----|
| | 3 | 4 | 5 | 6 | 8 | 11 | 15 | 20 |
| Alfing, Wasseraffingen | | | | | X | X | X | |
| Bell, Schweiz | | | | | | | X | |
| Böhringer, Göppingen | | | | X | X | X | X | |
| Boley G., Esslingen | | X | | | | | | |
| Boley-Leinen, Esslingen | | X | X | | | | | |
| CMT, Typ Ursus, Italien | | | | X | | | | |
| Colchester, England | X | | | X | | X | | |
| Elyte, Rumänien | | | | | X | | | |
| Emag, Salach | | | | X | | | | |
| EMCO, Österreich | X | | | | | | | |
| Ernault-Somua, Frankreich | | | | X | | | | |
| Est Ticino, Italien | | | | | | X | | |
| Ex-Cell-O, Eisligen | | | | X | X | | | |
| Fahrion, Esslingen | | | X | | | | | |
| Feinbau, Winterbach | | X | | | | | | |
| Fischer, Schaffhausen | | | | X | X | X | | |
| Fortuna-Werke, Stuttgart | | | | X | | | | |
| Gema, St. Ingbert | | | X | X | | | | |
| Gildemeister, Bielefeld | | | | X | | | | |
| Graziano, Italien | | X | | | | | | |
| Harrison, England | X | X | | | X | | | |
| Heid, Stockerau, Österreich | | | | | | X | | |
| Heidenreich + Harbeck, Hamburg | | | | X | X | X | | |
| Heinemann, St. Georgen | | | | | X | | X | |
| Helgerit Typ FM C215, Metzingen/Riedrich | | X | | X | | | | |
| Hessapp, Taunusstein | | | | | X | | X | |
| Heyligenstädt, Gießen (bis Oktober 1984) | | | | X | X | X | X | |
| Hüller, Ludwigsburg | | | | | X | X | X | |
| Hüller-Hille, Rhestahl AG, Witten-Annen | | | | | | X | | |
| Imatec, Meerbusch (ID-175, ID-200, ID-230) | | | X | X | | X | | |
| IMT, Italien | | | | | | X | X | |
| Industria Zaetz Eibar, Gurpuzkoa, Spanien | X | | | | | | | |
| IWK, Karlsruhe | | | | X | X | X | | |
| Kern, Lörrach | | | | | X | | | |
| Kwangchow, China | | | X | | | | | |
| Magdeburger Werkzeugmaschinenfabrik, Sinsheim | | | | | X | | | |
| Martin, Offenburg | | X | X | X | X | X | X | |
| Maschinenfabrik Diedesheim | | | X | | | X | | |
| Maschinenfabrik Ravensburg | | | | | | X | X | |
| Matra, Kahl/Main | | | | X | X | | | |
| Mauser + Schaerer, Oberndorf | | | | | X | X | | |
| Mazak, Japan | | | | | X | | X | X |
| Meuser + Co., Frankfurt | | | | X | X | X | | |
| Minganti, Italien | | | | X | X | | | |
| Misal, Mailand | | | X | X | X | | | |
| Mondial, Belgien | | | X | X | | | | |
| Müller Max, Hannover (bis 1984) | | | | | X | X | X | |
| Padovani & C. Typ Labor, Italien | | | | X | | | | |
| Pittler, Langen | | | X | X | X | X | X | |
| Reinecker, Ulm | | | X | | | | | |
| Schaublin, Schweiz | X | X | | | | | | |
| SKF, Schweinfurt | | | | | | | X | |
| SMT, Schweden | | | X | X | X | X | X | |

| | Kegelgröße – Taper size | | | | | | | |
|---------------------------------|-------------------------|---|---|---|---|----|----|----|
| | 3 | 4 | 5 | 6 | 8 | 11 | 15 | 20 |
| Sonim, Frankreich | | | | X | | | | |
| Stanko-Import (Fleischer, Oslo) | | X | | | | | | |
| Tovaglieri, Italien | | | X | | | | | |
| Traub, Reichenbach | | | | | X | X | | |
| Uma-Werke, Uhingen | | | | X | | | | |
| Urpe oder Vowa, Spanien | | | X | X | | | | |
| Victor, Taiwan | | | | X | X | | | |
| Voest, Österreich/Linz | | | | X | | | | |
| Walter, Mühlacker | X | | | | | | | |
| Weipert, Heilbronn | | | X | | | | | |
| Weisser, Heilbronn | | X | | | X | X | X | |
| Weisser, St. Georgen | | X | | X | X | X | | |
| Weyrauch, Gemmingen | | | | | | X | | |
| Wohlenberg, Hannover | | | | | | | X | |
| Wotan, Düsseldorf | | | | | | X | X | |

Für Drehfutter, die für Maschinen mit ISO-Kurzkegel bestimmt sind, bitte im Auftrag die ISO-Norm anführen.

For lathe chucks, which are destined for machines with ISO short taper, please state ISO-norm with your order.