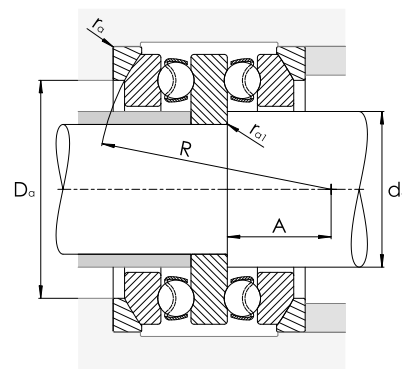
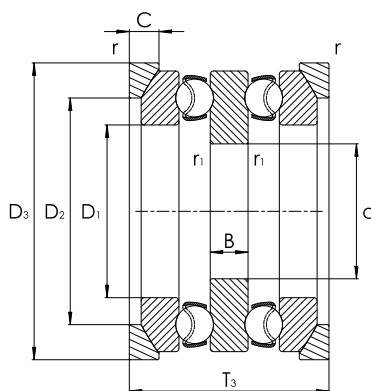


## Axial-Rillenkugellager, zweiseitig wirkend, Reihe 54



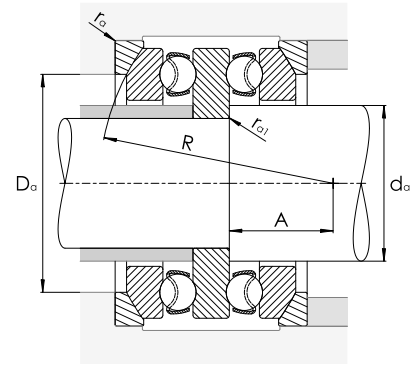
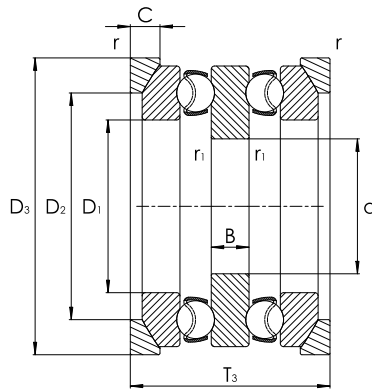
542... + U...

Anschlussmaße

Maßtabelle - Abmessungen in mm

| Haupt-<br>abmessungen |     |    | Tragzahlen           |                       | Ermüdungs-<br>grenzbelastung | Minimal-<br>lastfaktor | Grenzdrehzahl                       | Bezugsdrehzahl                      | Gewicht |                      | Kurzzeichen  |                      |
|-----------------------|-----|----|----------------------|-----------------------|------------------------------|------------------------|-------------------------------------|-------------------------------------|---------|----------------------|--------------|----------------------|
|                       |     |    | dyn.                 | stat.                 |                              |                        |                                     |                                     | Lager   | Unterleg-<br>scheibe | Lager        | Unterleg-<br>scheibe |
| d                     | D   | T  | C <sub>a</sub><br>kN | C <sub>0a</sub><br>kN | C <sub>ua</sub><br>kN        | A                      | n <sub>G</sub><br>min <sup>-1</sup> | n <sub>B</sub><br>min <sup>-1</sup> | ≈ kg    | ≈ kg                 |              |                      |
| 20                    | 47  | 31 | 26,5                 | 50                    | 2,22                         | 0,013                  | 7.500                               | 9.400                               | 0,221   | 0,031                | <b>54205</b> | 🌐 🛒 🏠 <b>U205</b>    |
| 25                    | 52  | 33 | 23,9                 | 46                    | 2,04                         | 0,014                  | 7.300                               | 8.200                               | 0,269   | 0,032                | <b>54206</b> | 🌐 🛒 🏠 <b>U206</b>    |
| 30                    | 62  | 38 | 35,5                 | 67                    | 3,00                         | 0,028                  | 6.000                               | 7.500                               | 0,423   | 0,082                | <b>54207</b> | 🌐 🛒 🏠 <b>U207</b>    |
| 30                    | 68  | 39 | 44,0                 | 97                    | 4,30                         | 0,050                  | 5.500                               | 6.900                               | 0,513   | 0,070                | <b>54208</b> | 🌐 🛒 🏠 <b>U208</b>    |
| 35                    | 73  | 40 | 39,0                 | 80                    | 3,55                         | 0,043                  | 5.500                               | 6.500                               | 0,537   | 0,087                | <b>54209</b> | 🌐 🛒 🏠 <b>U209</b>    |
| 40                    | 78  | 42 | 50,0                 | 106                   | 4,70                         | 0,069                  | 4.950                               | 5.800                               | 0,625   | 0,098                | <b>54210</b> | 🌐 🛒 🏠 <b>U210</b>    |
| 45                    | 90  | 50 | 58,0                 | 133                   | 5,90                         | 0,110                  | 4.350                               | 5.600                               | 1,020   | 0,152                | <b>54211</b> | 🌐 🛒 🏠 <b>U211</b>    |
| 50                    | 95  | 50 | 62,0                 | 139                   | 6,20                         | 0,120                  | 4.200                               | 5.200                               | 1,170   | 0,163                | <b>54212</b> | 🌐 🛒 🏠 <b>U212</b>    |
| 55                    | 100 | 50 | 64,0                 | 149                   | 6,60                         | 0,140                  | 4.100                               | 4.800                               | 1,530   | 0,183                | <b>54213</b> | 🌐 🛒 🏠 <b>U213</b>    |
| 55                    | 105 | 51 | 66,0                 | 159                   | 7,00                         | 0,160                  | 4.000                               | 4.750                               | 1,460   | 0,185                | <b>54214</b> | 🌐 🛒 🏠 <b>U214</b>    |
| 60                    | 110 | 50 | 67,0                 | 169                   | 7,50                         | 0,180                  | 3.950                               | 4.450                               | 1,870   | 0,210                | <b>54215</b> | 🌐 🛒 🏠 <b>U215</b>    |
| 65                    | 115 | 51 | 75,0                 | 191                   | 8,50                         | 0,230                  | 3.700                               | 4.150                               | 1,600   | 0,220                | <b>54216</b> | 🌐 🛒 🏠 <b>U216</b>    |
| 70                    | 125 | 59 | 98,0                 | 250                   | 10,90                        | 0,370                  | 3.250                               | 3.950                               | 2,250   | 0,290                | <b>54217</b> | 🌐 🛒 🏠 <b>U217</b>    |

### Axial-Rillenkugellager, zweiseitig wirkend, Reihe 54



542... + U...

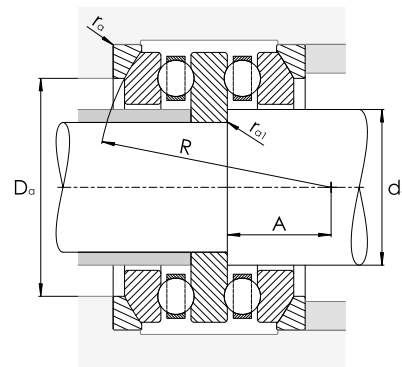
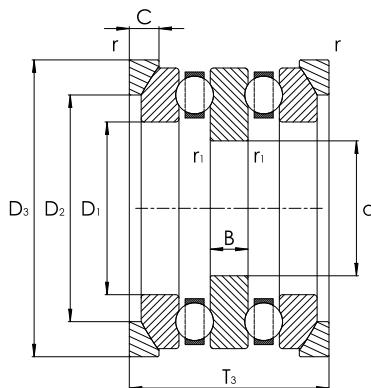
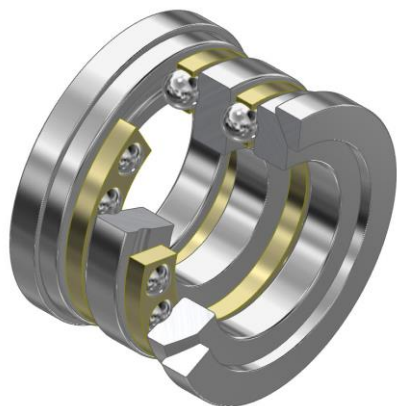
Anschlussmaße

#### Abmessungen

#### Anschlussmaße

| d  | D1 | d1 | r<br>min. | r1<br>min. | R   | A    | D2 | D3  | C    | T3  | d0<br>min. | D0<br>max. | r0<br>max. | r01<br>max. |
|----|----|----|-----------|------------|-----|------|----|-----|------|-----|------------|------------|------------|-------------|
| 20 | 27 | 7  | 0,6       | 0,3        | 40  | 16,5 | 36 | 50  | 5,5  | 36  | 25         | 36         | 0,6        | 0,3         |
| 25 | 32 | 7  | 0,6       | 0,3        | 45  | 20,0 | 37 | 55  | 5,5  | 42  | 30         | 42         | 0,6        | 0,3         |
| 30 | 37 | 8  | 1,0       | 0,3        | 50  | 21,0 | 42 | 72  | 7,5  | 52  | 35         | 48         | 1,0        | 0,3         |
| 30 | 42 | 9  | 1,0       | 0,6        | 56  | 25,0 | 44 | 72  | 7,0  | 55  | 40         | 55         | 1,0        | 0,6         |
| 35 | 47 | 9  | 1,0       | 0,6        | 56  | 23,0 | 45 | 78  | 7,5  | 60  | 45         | 60         | 1,0        | 0,6         |
| 40 | 52 | 9  | 1,0       | 0,6        | 64  | 30,5 | 47 | 82  | 7,5  | 62  | 50         | 62         | 1,0        | 0,6         |
| 45 | 57 | 10 | 1,0       | 0,6        | 72  | 32,5 | 55 | 95  | 9,0  | 72  | 55         | 72         | 1,0        | 0,6         |
| 50 | 62 | 10 | 1,0       | 0,6        | 72  | 30,5 | 56 | 100 | 9,0  | 78  | 60         | 78         | 1,0        | 0,6         |
| 55 | 67 | 10 | 1,0       | 0,6        | 80  | 38,5 | 57 | 105 | 9,0  | 82  | 65         | 82         | 1,0        | 0,6         |
| 55 | 72 | 10 | 1,0       | 1,0        | 80  | 36,5 | 57 | 110 | 9,0  | 88  | 70         | 88         | 1,0        | 1,0         |
| 60 | 77 | 10 | 1,0       | 1,0        | 90  | 47,5 | 57 | 115 | 9,5  | 92  | 75         | 92         | 1,0        | 1,0         |
| 65 | 82 | 10 | 1,0       | 1,0        | 90  | 45,0 | 58 | 120 | 10,0 | 98  | 80         | 98         | 1,0        | 1,0         |
| 70 | 88 | 12 | 1,0       | 1,0        | 100 | 49,5 | 67 | 130 | 11,0 | 105 | 85         | 105        | 1,0        | 1,0         |

## Axial-Rillenkugellager, zweiseitig wirkend, Reihe 54



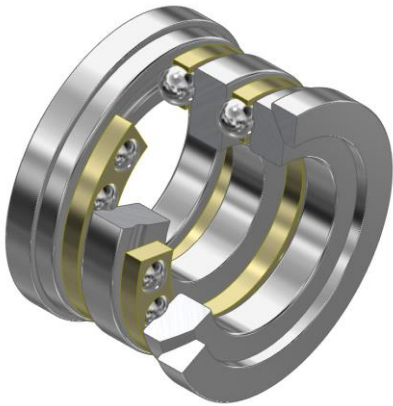
542...M + U...

Anschlussmaße

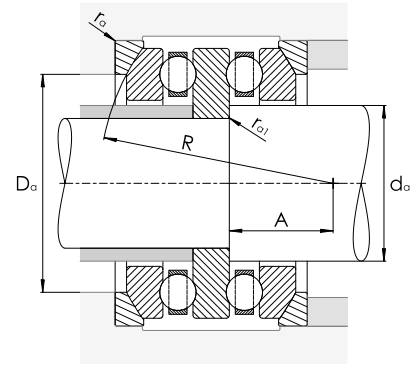
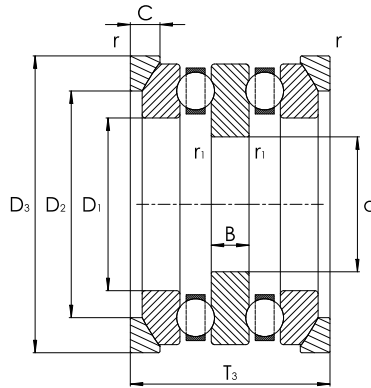
Maßtabelle - Abmessungen in mm

| Haupt-<br>abmessungen |     |       | Tragzahlen           |                       | Ermüdungs-<br>grenzbelastung | Minimal-<br>lastfaktor | Grenzrehzahl                        | Bezugsrehzahl                       | Gewicht |                      | Kurzzeichen   |                      |
|-----------------------|-----|-------|----------------------|-----------------------|------------------------------|------------------------|-------------------------------------|-------------------------------------|---------|----------------------|---------------|----------------------|
|                       |     |       | dyn.                 | stat.                 |                              |                        |                                     |                                     | Lager   | Unterleg-<br>scheibe | Lager         | Unterleg-<br>scheibe |
| d                     | D   | T     | C <sub>a</sub><br>kN | C <sub>0a</sub><br>kN | C <sub>ua</sub><br>kN        | A                      | n <sub>G</sub><br>min <sup>-1</sup> | n <sub>B</sub><br>min <sup>-1</sup> | ≈ kg    | ≈ kg                 |               |                      |
| 75                    | 135 | 69,0  | 119                  | 300                   | 12,6                         | 0,540                  | 2.900                               | 3.800                               | 3,110   | 0,42                 | <b>54218</b>  | U218                 |
| 85                    | 150 | 72,8  | 119                  | 325                   | 12,9                         | 0,680                  | 2.700                               | 3.550                               | 3,870   | 0,50                 | <b>54220</b>  | U220                 |
| 95                    | 160 | 71,4  | 126                  | 365                   | 14,0                         | 0,830                  | 2.650                               | 3.250                               | 4,550   | 0,56                 | <b>54222</b>  | U222                 |
| 100                   | 170 | 71,6  | 128                  | 385                   | 14,2                         | 0,940                  | 2.550                               | 3.100                               | 4,658   | 0,65                 | <b>54224</b>  | U224                 |
| 110                   | 190 | 85,8  | 184                  | 540                   | 18,9                         | 1,700                  | 2.210                               | 2.950                               | 7,510   | 0,90                 | <b>54226</b>  | U226                 |
| 120                   | 200 | 86,2  | 191                  | 570                   | 19,2                         | 1,900                  | 2.110                               | 2.750                               | 16,910  | 1,22                 | <b>54228</b>  | U228                 |
| 130                   | 215 | 95,6  | 236                  | 730                   | 24,2                         | 2,900                  | 1.950                               | 2.550                               | 10,410  | 1,69                 | <b>54230M</b> | U230                 |
| 140                   | 225 | 97,4  | 240                  | 770                   | 24,7                         | 3,200                  | 1.900                               | 2.400                               | 11,190  | 1,80                 | <b>54232M</b> | U232                 |
| 150                   | 240 | 104,4 | 285                  | 930                   | 28,5                         | 4,500                  | 1.740                               | 2.210                               | 13,590  | 2,14                 | <b>54234M</b> | U234                 |
| 150                   | 250 | 102,4 | 305                  | 1.030                 | 31,5                         | 5,400                  | 1.670                               | 2.120                               | 15,530  | 2,33                 | <b>54236M</b> | U236                 |
| 160                   | 270 | 116,4 | 335                  | 1.170                 | 34,5                         | 7,200                  | 1.540                               | 1.990                               | 20,000  | 2,63                 | <b>54238M</b> | U238                 |
| 170                   | 280 | 115,6 | 340                  | 1.220                 | 35,0                         | 7,800                  | 1.510                               | 1.880                               | 20,970  | 2,79                 | <b>54240M</b> | U240                 |
| 190                   | 300 | 115,2 | 335                  | 1.330                 | 36,5                         | 9,600                  | 1.420                               | 1.680                               | 23,000  | 3,31                 | <b>54244M</b> | U244                 |

### Axial-Rillenkugellager, zweiseitig wirkend, Reihe 54



542...M + U...



Anschlussmaße

#### Abmessungen

#### Anschlussmaße

| d          | D <sub>1</sub> | d <sub>1</sub> | r<br>min. | r <sub>1</sub><br>min. | R   | A     | D <sub>2</sub> | D <sub>3</sub> | C    | T <sub>3</sub> | d <sub>0</sub><br>min. | D <sub>0</sub><br>max. | r <sub>0</sub><br>max. | r <sub>01</sub><br>max. |
|------------|----------------|----------------|-----------|------------------------|-----|-------|----------------|----------------|------|----------------|------------------------|------------------------|------------------------|-------------------------|
| <b>75</b>  | 93             | 14             | 1,1       | 1,0                    | 100 | 42,0  | 76             | 140            | 13,5 | 110            | 90                     | 110                    | 1,0                    | 1,0                     |
| <b>85</b>  | 103            | 15             | 1,1       | 1,0                    | 112 | 49,0  | 81             | 155            | 14,0 | 125            | 100                    | 125                    | 1,0                    | 1,0                     |
| <b>95</b>  | 113            | 15             | 1,1       | 1,0                    | 125 | 62,0  | 81             | 165            | 14,0 | 135            | 110                    | 135                    | 1,0                    | 1,0                     |
| <b>100</b> | 123            | 15             | 1,1       | 1,1                    | 125 | 58,5  | 82             | 175            | 15,0 | 145            | 120                    | 145                    | 1,0                    | 1,0                     |
| <b>110</b> | 133            | 18             | 1,5       | 1,1                    | 140 | 63,0  | 96             | 195            | 17,0 | 160            | 130                    | 160                    | 1,5                    | 1,0                     |
| <b>120</b> | 143            | 18             | 1,5       | 1,1                    | 160 | 83,5  | 99             | 210            | 17,0 | 170            | 140                    | 170                    | 1,5                    | 1,0                     |
| <b>130</b> | 153            | 20             | 1,5       | 1,1                    | 160 | 74,5  | 109            | 225            | 20,5 | 180            | 150                    | 180                    | 1,5                    | 1,0                     |
| <b>140</b> | 163            | 20             | 1,5       | 1,1                    | 160 | 70,0  | 110            | 235            | 21,0 | 190            | 160                    | 190                    | 1,5                    | 1,0                     |
| <b>150</b> | 173            | 21             | 1,5       | 1,1                    | 180 | 87,0  | 117            | 250            | 21,5 | 200            | 170                    | 200                    | 1,5                    | 1,0                     |
| <b>150</b> | 183            | 21             | 1,5       | 2,0                    | 200 | 108,5 | 118            | 260            | 21,5 | 210            | 180                    | 210                    | 1,5                    | 1,0                     |
| <b>160</b> | 195            | 24             | 2,0       | 2,0                    | 200 | 93,5  | 131            | 280            | 23,0 | 230            | 190                    | 230                    | 2,0                    | 2,0                     |
| <b>170</b> | 204            | 24             | 2,0       | 2,0                    | 225 | 120,5 | 133            | 290            | 23,0 | 240            | 200                    | 240                    | 2,0                    | 2,0                     |
| <b>190</b> | 224            | 24             | 2,0       | 2,0                    | 225 | 114,0 | 134            | 310            | 25,0 | 260            | 220                    | 260                    | 2,0                    | 2,0                     |