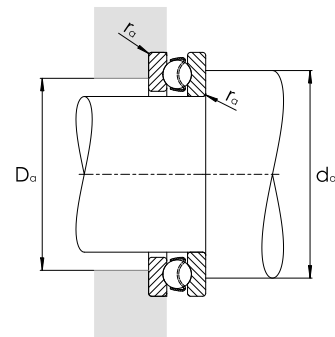
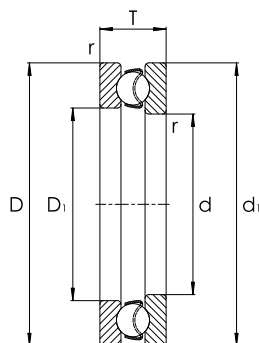


## Axial-Rillenkugellager, einseitig wirkend, Reihe 51



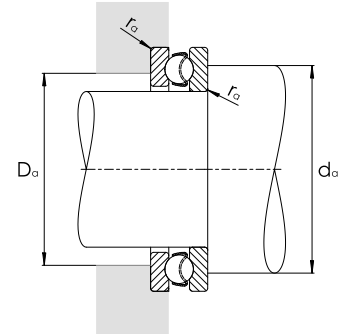
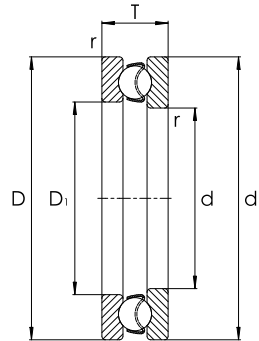
513

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                 |              |                      |
| 25                    | 52  | 18 | 34,5                 | 55                    | 2,45                         | 0,019                  | 6.000                               | 10.400                              | 0,154   | –                    | <b>51305</b> | 🌐 🛒 📦 –              |
| 30                    | 60  | 21 | 35,5                 | 65                    | 2,85                         | 0,028                  | 5.700                               | 9.300                               | 0,244   | –                    | <b>51306</b> | 🌐 🛒 📦 –              |
| 35                    | 68  | 24 | 50,0                 | 89                    | 3,90                         | 0,050                  | 4.850                               | 8.200                               | 0,351   | –                    | <b>51307</b> | 🌐 🛒 📦 –              |
| 40                    | 78  | 26 | 61,0                 | 112                   | 5,00                         | 0,081                  | 4.250                               | 7.600                               | 0,536   | –                    | <b>51308</b> | 🌐 🛒 📦 –              |
| 45                    | 85  | 28 | 75,0                 | 140                   | 6,30                         | 0,120                  | 3.800                               | 6.800                               | 0,612   | –                    | <b>51309</b> | 🌐 🛒 📦 –              |
| 50                    | 95  | 31 | 82,0                 | 169                   | 7,50                         | 0,180                  | 3.550                               | 6.400                               | 0,932   | –                    | <b>51310</b> | 🌐 🛒 📦 –              |
| 55                    | 105 | 35 | 102,0                | 207                   | 9,20                         | 0,260                  | 3.200                               | 6.000                               | 1,300   | –                    | <b>51311</b> | 🌐 🛒 📦 –              |
| 60                    | 110 | 35 | 101,0                | 207                   | 9,20                         | 0,280                  | 3.150                               | 5.700                               | 1,360   | –                    | <b>51312</b> | 🌐 🛒 📦 –              |
| 65                    | 115 | 36 | 105,0                | 220                   | 9,70                         | 0,320                  | 3.050                               | 5.300                               | 1,390   | –                    | <b>51313</b> | 🌐 🛒 📦 –              |
| 70                    | 125 | 40 | 134,0                | 290                   | 12,90                        | 0,510                  | 2.750                               | 4.950                               | 1,900   | –                    | <b>51314</b> | 🌐 🛒 📦 –              |
| 75                    | 135 | 44 | 163,0                | 360                   | 15,40                        | 0,750                  | 2.480                               | 4.650                               | 2,590   | –                    | <b>51315</b> | 🌐 🛒 📦 –              |
| 80                    | 140 | 44 | 160,0                | 360                   | 15,10                        | 0,790                  | 2.460                               | 4.450                               | 2,690   | –                    | <b>51316</b> | 🌐 🛒 📦 –              |
| 85                    | 150 | 49 | 186,0                | 420                   | 17,20                        | 1,100                  | 2.260                               | 4.250                               | 3,480   | –                    | <b>51317</b> | 🌐 🛒 📦 –              |
| 90                    | 155 | 50 | 193,0                | 455                   | 18,30                        | 1,200                  | 2.240                               | 4.050                               | 3,750   | –                    | <b>51318</b> | 🌐 🛒 📦 –              |
| 100                   | 170 | 55 | 238,0                | 580                   | 22,60                        | 1,900                  | 1.970                               | 3.650                               | 4,940   | –                    | <b>51320</b> | 🌐 🛒 📦 –              |

### Axial-Rillenkugellager, einseitig wirkend, Reihe 51



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Anschlussmaße

Abmessungen

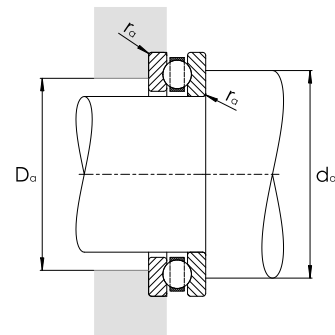
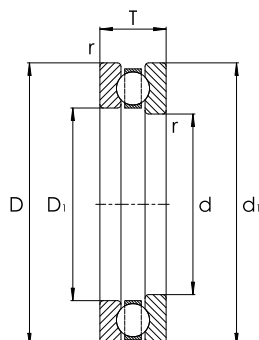
Anschlussmaße

| d   | D <sub>1</sub> | d <sub>1</sub> | r<br>min. | R | A | D <sub>2</sub> | D <sub>3</sub> | C | T <sub>1</sub> | d <sub>0</sub><br>min. | D <sub>0</sub><br>max. | r <sub>0</sub><br>max. |
|-----|----------------|----------------|-----------|---|---|----------------|----------------|---|----------------|------------------------|------------------------|------------------------|
| 25  | 27             | 52             | 1,0       | – | – | –              | –              | – | –              | 41                     | 36                     | 1,0                    |
| 30  | 32             | 60             | 1,0       | – | – | –              | –              | – | –              | 48                     | 42                     | 1,0                    |
| 35  | 37             | 68             | 1,0       | – | – | –              | –              | – | –              | 55                     | 48                     | 1,0                    |
| 40  | 42             | 78             | 1,0       | – | – | –              | –              | – | –              | 63                     | 55                     | 1,0                    |
| 45  | 47             | 85             | 1,0       | – | – | –              | –              | – | –              | 69                     | 61                     | 1,0                    |
| 50  | 52             | 95             | 1,1       | – | – | –              | –              | – | –              | 77                     | 68                     | 1,0                    |
| 55  | 57             | 105            | 1,1       | – | – | –              | –              | – | –              | 85                     | 75                     | 1,0                    |
| 60  | 62             | 110            | 1,1       | – | – | –              | –              | – | –              | 90                     | 80                     | 1,0                    |
| 65  | 67             | 115            | 1,1       | – | – | –              | –              | – | –              | 95                     | 85                     | 1,0                    |
| 70  | 72             | 125            | 1,1       | – | – | –              | –              | – | –              | 103                    | 92                     | 1,0                    |
| 75  | 77             | 135            | 1,5       | – | – | –              | –              | – | –              | 111                    | 99                     | 1,5                    |
| 80  | 82             | 140            | 1,5       | – | – | –              | –              | – | –              | 116                    | 104                    | 1,5                    |
| 85  | 88             | 150            | 1,5       | – | – | –              | –              | – | –              | 124                    | 111                    | 1,5                    |
| 90  | 93             | 155            | 1,5       | – | – | –              | –              | – | –              | 129                    | 116                    | 1,5                    |
| 100 | 103            | 170            | 1,5       | – | – | –              | –              | – | –              | 142                    | 128                    | 1,5                    |

## Axial-Rillenkugellager, einseitig wirkend, Reihe 51



513...M

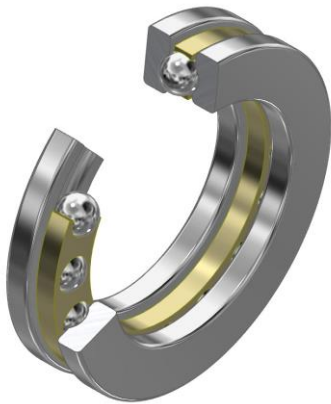


Anschlussmaße

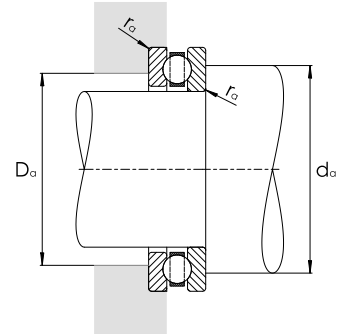
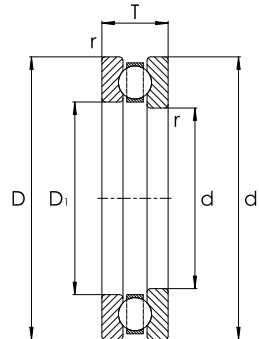
Maßtable - Abmessungen in mm

| 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                 |             |       |                      |
| 110                   | 190 | 63  | 280                  | 740                   | 27,0                         | 3,0                    | 1.790                               | 3.400                               | 7,850   | –                    | 51322M      | 🌐 🛒 📦 | –                    |
| 120                   | 210 | 70  | 325                  | 910                   | 31,5                         | 4,4                    | 1.610                               | 3.200                               | 10,700  | –                    | 51324M      | 🌐 🛒 📦 | –                    |
| 130                   | 225 | 75  | 360                  | 1.050                 | 35,0                         | 5,9                    | 1.490                               | 2.950                               | 13,000  | –                    | 51326M      | 🌐 🛒 📦 | –                    |
| 140                   | 240 | 80  | 385                  | 1.240                 | 40,0                         | 8,2                    | 1.360                               | 2.700                               | 15,600  | –                    | 51328M      | 🌐 🛒 📦 | –                    |
| 150                   | 250 | 80  | 395                  | 1.330                 | 41,5                         | 9,3                    | 1.340                               | 2.480                               | 16,200  | –                    | 51330M      | 🌐 🛒 📦 | –                    |
| 160                   | 270 | 87  | 445                  | 1.560                 | 47,0                         | 13,0                   | 1.230                               | 2.280                               | 21,200  | –                    | 51332M      | 🌐 🛒 📦 | –                    |
| 170                   | 280 | 87  | 440                  | 1.560                 | 46,0                         | 13,0                   | 1.220                               | 2.170                               | 22,200  | –                    | 51334M      | 🌐 🛒 📦 | –                    |
| 180                   | 300 | 95  | 520                  | 1.830                 | 52,0                         | 18,0                   | 1.130                               | 2.000                               | 24,800  | –                    | 51336M      | 🌐 🛒 📦 | –                    |
| 190                   | 320 | 105 | 590                  | 2.170                 | 61,0                         | 24,0                   | 1.040                               | 1.840                               | 36,736  | –                    | 51338M      | 🌐 🛒 📦 | –                    |

### Axial-Rillenkugellager, einseitig wirkend, Reihe 51



513...M



Anschlussmaße

#### Abmessungen

#### Anschlussmaße

| d   | D <sub>1</sub> | d <sub>1</sub> | r<br>min. | R | A | D <sub>2</sub> | D <sub>3</sub> | C | T <sub>1</sub> | d <sub>α</sub><br>min. | D <sub>α</sub><br>max. | r <sub>α</sub><br>max. |
|-----|----------------|----------------|-----------|---|---|----------------|----------------|---|----------------|------------------------|------------------------|------------------------|
| 110 | 113            | 187            | 2,0       | – | – | –              | –              | – | –              | 158                    | 142                    | 2,0                    |
| 120 | 123            | 205            | 2,1       | – | – | –              | –              | – | –              | 174                    | 156                    | 2,1                    |
| 130 | 134            | 220            | 2,1       | – | – | –              | –              | – | –              | 187                    | 168                    | 2,1                    |
| 140 | 144            | 235            | 2,1       | – | – | –              | –              | – | –              | 200                    | 180                    | 2,1                    |
| 150 | 154            | 245            | 2,1       | – | – | –              | –              | – | –              | 210                    | 190                    | 2,1                    |
| 160 | 164            | 265            | 3,0       | – | – | –              | –              | – | –              | 226                    | 204                    | 2,5                    |
| 170 | 174            | 275            | 3,0       | – | – | –              | –              | – | –              | 236                    | 214                    | 2,5                    |
| 180 | 184            | 295            | 3,0       | – | – | –              | –              | – | –              | 252                    | 228                    | 2,5                    |
| 190 | 195            | 315            | 4,0       | – | – | –              | –              | – | –              | 268                    | 242                    | 3,0                    |