



## Technical information



### Your current product variant

|                           |              |                           |
|---------------------------|--------------|---------------------------|
| Design                    | E1           | Without central rip       |
| Bore type                 | Z            | Cylindrical               |
| Cage                      | TVPB         | Plastic cage              |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Relubrication facility    | Standard     |                           |

### Main Dimensions & Performance Data

|             |             |                                   |
|-------------|-------------|-----------------------------------|
| d           | 150 mm      | Bore diameter                     |
| D           | 270 mm      | Outside diameter                  |
| B           | 96 mm       | Width                             |
| $C_r$       | 1.280.000 N | Basic dynamic load rating, radial |
| $C_{0r}$    | 1.660.000 N | Basic static load rating, radial  |
| $C_{ur}$    | 133.000 N   | Fatigue load limit, radial        |
| $n_G$       | 2.400 1/min | Limiting speed                    |
| $n_{gr}$    | 1.400 1/min | Reference speed                   |
| $\approx m$ | 22,536 kg   | Weight                            |



### Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 164 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 256 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 2,5 mm | Maximum recess radius                |

### Dimensions

|            |          |                                    |
|------------|----------|------------------------------------|
| $r_{\min}$ | 3 mm     | Minimum chamfer dimension          |
| $D_1$      | 232,6 mm | Bore diameter outer ring           |
| $d_2$      | 174 mm   | Raceway diameter of the inner ring |
| $d_s$      | 6,3 mm   | Diameter lubrication hole          |
| $n_s$      | 12,2 mm  | Width of lubricating groove        |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

### Calculation factors

|       |      |  |
|-------|------|--|
| $e$   | 0,33 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 2,02 | Dynamic axial load factor  |
| $Y_2$ | 3    | Dynamic axial load factor  |
| $Y_0$ | 1,97 | Static axial load factor   |



### Characteristics

---

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Static angular error and misalignment
-  Dynamic angular error and misalignment