



Technical information



Your current product variant

| | | |
|--------------------------------------|--------------|--|
| Design | BE | With lose center lip ring |
| Bore type | Z | Cylindrical |
| Cage | JPB | Sheet metal cage |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Relubrication facility | Standard | |
| Locating feature, bearing outer ring | H151B | 2 Locking features, bearing outer ring |

Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 240 mm | Bore diameter |
| D | 400 mm | Outside diameter |
| B | 160 mm | Width |
| C_r | 2.600.000 N | Basic dynamic load rating, radial |
| C_{0r} | 3.900.000 N | Basic static load rating, radial |
| C_{ur} | 340.000 N | Fatigue load limit, radial |
| n_G | 1.470 1/min | Limiting speed |
| n_{gr} | 650 1/min | Reference speed |
| m | 78,445 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 257 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 383 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 3 mm | Maximum recess radius |

Dimensions

| | | |
|------------|----------|------------------------------------|
| r_{\min} | 4 mm | Minimum chamfer dimension |
| D_1 | 339 mm | Bore diameter outer ring |
| d_2 | 267,3 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} | 200 °C | Operating temperature max. |

Calculation factors

| | | |
|-------|------|--|
| e | 0,39 | Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y |
| Y_1 | 1,71 | Dynamic axial load factor |
| Y_2 | 2,54 | Dynamic axial load factor |
| Y_0 | 1,67 | 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