



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 | H151 | 1 Locking feature, bearing outer ring |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|-----------------------------------|
| d | 220 mm | Bore diameter |
| D | 400 mm | Outside diameter |
| B | 108 mm | Width |
| C _r | 1.840.000 N | Basic dynamic load rating, radial |
| C _{0r} | 2.360.000 N | Basic static load rating, radial |
| C _{ur} | 216.000 N | Fatigue load limit, radial |
| n _G | 2.140 1/min | Limiting speed |
| n _{gr} | 1.350 1/min | Reference speed |
| m | 57,7 kg | Weight |



Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 237 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 | 346,6 mm | Bore diameter outer ring |
| d_2 | 260,1 mm | Raceway diameter of the inner ring |
| d_s | 9,5 mm | Diameter lubrication hole |
| n_s | 17,7 mm | Width of lubricating groove |

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 200 °C | Operating temperature max. |

Calculation factors

| | | |
|-------|------|--|
| e | 0,26 | Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y |
| Y_1 | 2,57 | Dynamic axial load factor |
| Y_2 | 3,83 | Dynamic axial load factor |
| Y_0 | 2,52 | Static axial load factor |



Characteristics

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