

# 6304 NR

## Deep groove ball bearings

## Technical Specification

NOT FOUND

### DIMENSIONS

| | |
|---|---|
| d | 20 mm |
| D | 52 mm |
| B | 15 mm |
| $d_1$ | ≈ 30.35 mm |
| $D_2$ | ≈ 44.71 mm |
| $D_3$ | 49.73 mm |
| $D_4$ | 57.9 mm |
| b | 1.35 mm |
| C | 2.46 mm |
| f | 1.12 mm |
| $r_0$ | max. 0.4 mm |
| $r_{1,2}$ | min. 1.1 mm |

### ABUTMENT DIMENSIONS

| | |
|---|---|
| $d_a$ | min. 27 mm |
| $D_a$ | max. 45 mm |
| $D_b$ | min. 59 mm |
| $b_a$ | min. 1.5 mm |
| $C_a$ | max. 3.58 mm |




| | |
|---|---|
| $r_a$ | max. 1 mm |

## CALCULATION DATA

| | |
|---|---|
| Basic dynamic load rating | 16.8 kN |
| Basic static load rating | 7.8 kN |
| Fatigue load limit | 0.335 kN |
| Reference speed | 30000 r/min |
| Limiting speed | 19000 r/min |
| Calculation factor | 0.03 |
| Calculation factor | 12 |

## MASS

| | |
|---|---|
| Mass bearing | 0.15 kg |

## INCLUDED PRODUCTS

| | |
|---|---|
| Snap ring | SP 52 |

## More information

### Product details

- Single row deep groove ball bearings
- Stainless steel deep groove ball bearings
- Single row deep groove ball bearings with filling slots
- Double row deep groove ball bearings
- Bearing data
- Loads
- Temperature limits
- Permissible speed
- Designation system

### Engineering information

- Principles of rolling bearing selection
- General bearing knowledge
- Bearing selection process
- Bearing interfaces
- Seat tolerances for standard conditions
- Selecting internal clearance
- Lubrication
- Sealing, mounting and dismounting
- Bearing failure and how to prevent it

### Tools

- Bearing Select
- SimPro Quick
- Engineering Calculator
- LubeSelect for SKF greases
- Heater selection tool
- Rolling bearings mounting and dismounting instructions

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