



# 6304

Popular item  
SKF Explorer

## Deep groove ball bearings

### Bearing data

[Tolerances,](#)

Normal (metric), P6, P5, Normal (inch),

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

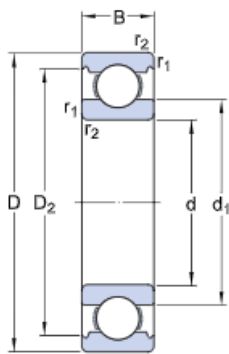
$d < 10$  mm, Other bearings

### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

## Technical specification

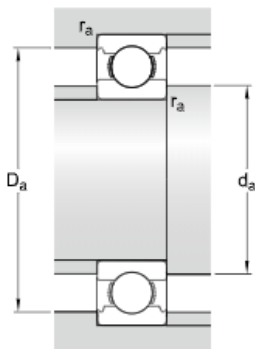


### DIMENSIONS

|   |             |
|---|-------------|
| d | 20 mm       |
| D | 52 mm       |
| B | 15 mm       |
|   | ≈ 30.35 mm  |
|   | ≈ 44.71 mm  |
|   | min. 1.1 mm |

### ABUTMENT DIMENSIONS

|  |            |
|--|------------|
|  | min. 27 mm |
|  | max. 45 mm |
|  | max. 1 mm  |



## CALCULATION DATA

|                           |   |             |
|---------------------------|---|-------------|
| Basic dynamic load rating | C | 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 |  | 0.14 kg |
|--------------|--|---------|

## More information

| Product details   | Engineering information                                 | Tools  |
|---|---|--|
| <a href="#">Single row deep groove ball bearings</a>                    | <a href="#">Principles of rolling bearing selection</a> | <a href="#">Bearing Select</a>   |
| <a href="#">Stainless steel deep groove ball bearings</a>               | <a href="#">General bearing knowledge</a>               | <a href="#">SimPro Quick</a>   |
| <a href="#">Single row deep groove ball bearings with filling slots</a> | <a href="#">Bearing selection process</a>               | <a href="#">Engineering Calculator</a>                                 |
| <a href="#">Double row deep groove ball bearings</a>                    | <a href="#">Bearing interfaces</a>                      | <a href="#">LubeSelect for SKF greases</a>                             |
| <a href="#">Bearing data</a>  | <a href="#">Seat tolerances for standard conditions</a> | <a href="#">Heater selection tool</a>                                  |
| <a href="#">Loads</a>   | <a href="#">Selecting internal clearance</a>            | <a href="#">Rolling bearings mounting and dismounting instructions</a> |
| <a href="#">Temperature limits</a>                                      | <a href="#">Lubrication</a>                             |  |
| <a href="#">Permissible speed</a>                                       | <a href="#">Sealing, mounting and dismounting</a>       |  |
| <a href="#">Designation system</a>                                      | <a href="#">Bearing failure and how to prevent it</a>   |  |

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