



## 3310 DNRCBM

### Angular contact ball bearings, double row

#### Bearing data

[Tolerances,](#)

Normal, P6, P5,

[Internal clearance,](#)

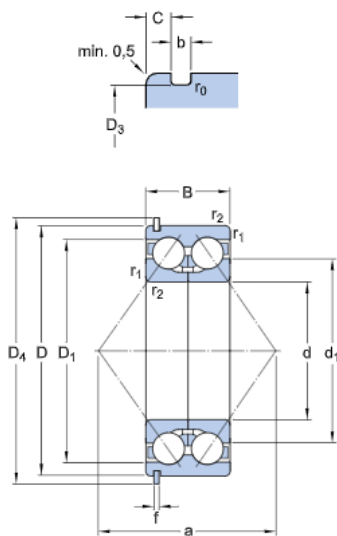
table, drawing no

#### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

### Technical specification

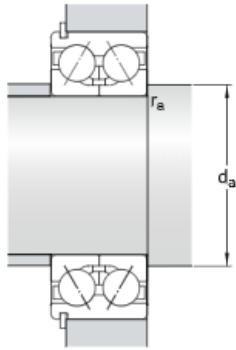


#### DIMENSIONS

|                  |             |
|------------------|-------------|
| d                | 50 mm       |
| D                | 110 mm      |
| B                | 44.4 mm     |
| d <sub>1</sub>   | ≈ 74.6 mm   |
| D <sub>1</sub>   | ≈ 96.37 mm  |
| D <sub>3</sub>   | 106.8 mm    |
| D <sub>4</sub>   | 116.6 mm    |
| C                | 3.28 mm     |
| b                | 2.7 mm      |
| f                | 2.46 mm     |
| r <sub>0</sub>   | max. 0.6 mm |
| r <sub>1,2</sub> | min. 2 mm   |
| a                | 88 mm       |

#### ABUTMENT DIMENSIONS

|                |            |
|----------------|------------|
| d <sub>a</sub> | min. 61 mm |
| r <sub>a</sub> | max. 2 mm  |



## CALCULATION DATA

|                           |       |            |
|---------------------------|-------|------------|
| Basic dynamic load rating | $C$   | 81.9 kN    |
| Basic static load rating  | $C_0$ | 69.5 kN    |
| Fatigue load limit        | $P_u$ | 3 kN       |
| Reference speed           |       | 6700 r/min |
| Limiting speed            |       | 5600 r/min |
| Calculation factor        | $k_r$ | 0.095      |
| Calculation factor        | $e$   | 1.14       |
| Calculation factor        | $X$   | 0.57       |
| Calculation factor        | $Y_0$ | 0.52       |
| Calculation factor        | $Y_1$ | 0.55       |
| Calculation factor        | $Y_2$ | 0.93       |

## MASS

|              |         |
|--------------|---------|
| Mass bearing | 1.95 kg |
|--------------|---------|

## More information

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

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