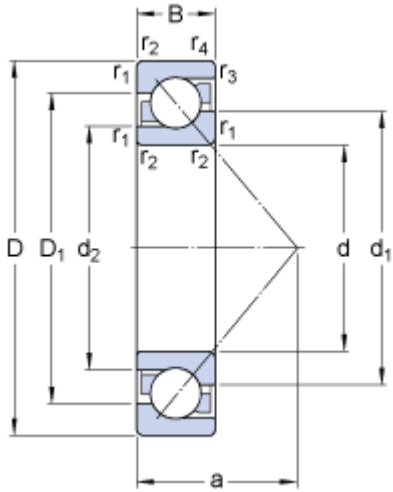


# 7211 BECBP

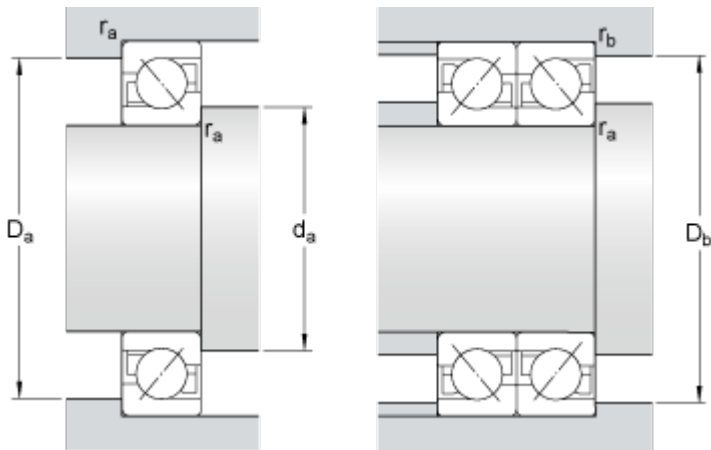
SKF Explorer

## Dimensions



|                  |                 |    |
|------------------|-----------------|----|
| d                | <b>55</b>       | mm |
| D                | <b>100</b>      | mm |
| B                | <b>21</b>       | mm |
| d <sub>1</sub>   | ≈ <b>72.45</b>  | mm |
| d <sub>2</sub>   | ≈ <b>63.62</b>  | mm |
| D <sub>1</sub>   | ≈ <b>83.7</b>   | mm |
| a                | <b>43</b>       | mm |
| r <sub>1,2</sub> | min. <b>1.5</b> | mm |
| r <sub>3,4</sub> | min. <b>1</b>   | mm |

## Abutment dimensions



|                |                 |    |
|----------------|-----------------|----|
| d <sub>a</sub> | min. <b>64</b>  | mm |
| D <sub>a</sub> | max. <b>91</b>  | mm |
| D <sub>b</sub> | max. <b>94</b>  | mm |
| r <sub>a</sub> | max. <b>1.5</b> | mm |
| r <sub>b</sub> | max. <b>1</b>   | mm |

## Calculation data

|                           |                |             |       |
|---------------------------|----------------|-------------|-------|
| Basic dynamic load rating | C              | <b>49</b>   | kN    |
| Basic static load rating  | C <sub>0</sub> | <b>40</b>   | kN    |
| Fatigue load limit        | P <sub>u</sub> | <b>1.66</b> | kN    |
| Reference speed           |                | <b>5600</b> | r/min |

Limiting speed 8000 r/min

Calculation factor A 22.047

Calculation factor  $k_r$  0.095

Calculation factor e 1.14

**Single bearing or bearing pair arranged in tandem**

Calculation factor X 0.35

Calculation factor  $Y_0$  0.26

Calculation factor  $Y_2$  0.57

**Bearing pair arranged back-to-back or face-to-face**

Calculation factor X 0.57

Calculation factor  $Y_0$  0.52

Calculation factor  $Y_1$  0.55

Calculation factor  $Y_2$  0.93

**Mass**

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Mass bearing 0.62 kg

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