



## 2212 EKTN9

Popular item

### Self-aligning ball bearings

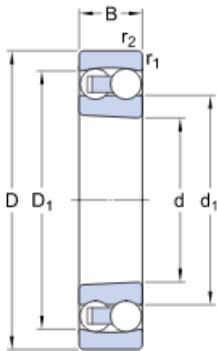
#### Bearing data

[Tolerances](#),  
Normal, JS7,  
[Radial internal clearance](#),  
table

#### Bearing interfaceS

[Seat tolerances for standard conditions](#),  
[Tolerances and resultant fits table](#)

### Technical specification

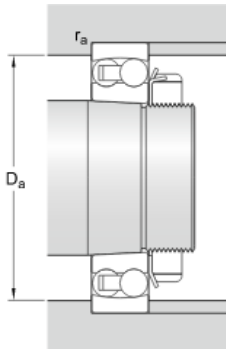


#### DIMENSIONS

|                          |             |
|--------------------------|-------------|
| d                        | 60 mm       |
| D                        | 110 mm      |
| B                        | 28 mm       |
| d <sub>1</sub>           | ≈ 74.45 mm  |
| D <sub>1</sub>           | ≈ 96.9 mm   |
| r <sub>1,2</sub>         | min. 1.5 mm |
| Tapered bore, taper 1:12 |             |

#### ABUTMENT DIMENSIONS

|                |             |
|----------------|-------------|
| D <sub>a</sub> | max. 101 mm |
| r <sub>a</sub> | max. 1.5 mm |



## CALCULATION DATA

|                                  |                |             |
|----------------------------------|----------------|-------------|
| Basic dynamic load rating        | C              | 48.8 kN     |
| Basic static load rating         | C <sub>0</sub> | 17 kN       |
| Fatigue load limit               | P <sub>u</sub> | 0.88 kN     |
| Reference speed                  |                | 11000 r/min |
| Limiting speed                   |                | 8000 r/min  |
| Permissible angular misalignment | α              | 2.5 °       |
| Calculation factor               | k <sub>r</sub> | 0.045       |
| Calculation factor               | e              | 0.24        |
| Calculation factor               | Y <sub>0</sub> | 2.8         |
| Calculation factor               | Y <sub>1</sub> | 2.6         |
| Calculation factor               | Y <sub>2</sub> | 4.1         |

## MASS

|              |  |         |
|--------------|--|---------|
| Mass bearing |  | 1.05 kg |
|--------------|--|---------|

## More information

|   |   |  |
|---|---|--|
| <p>Product details</p> <hr/> <p><a href="#">Designs and variants</a></p> <hr/> <p><a href="#">Bearing data</a></p> <hr/> <p><a href="#">Loads</a></p> <hr/> <p><a href="#">Temperature limits</a></p> <hr/> <p><a href="#">Permissible speed</a></p> <hr/> <p><a href="#">Design considerations</a></p> <hr/> <p><a href="#">Mounting</a></p> <hr/> <p><a href="#">Designation system</a></p> <hr/> | <p>Engineering information</p> <hr/> <p><a href="#">Principles of rolling bearing selection</a></p> <hr/> <p><a href="#">General bearing knowledge</a></p> <hr/> <p><a href="#">Bearing selection process</a></p> <hr/> <p><a href="#">Bearing interfaces</a></p> <hr/> <p><a href="#">Seat tolerances for standard conditions</a></p> <hr/> <p><a href="#">Selecting internal clearance</a></p> <hr/> <p><a href="#">Lubrication</a></p> <hr/> <p><a href="#">Sealing, mounting and dismantling</a></p> <hr/> <p><a href="#">Bearing failure and how to prevent it</a></p> <hr/> | <p>Tools</p> <hr/> <p><a href="#">Bearing Select</a></p> <hr/> <p><a href="#">SimPro Quick</a></p> <hr/> <p><a href="#">Engineering Calculator</a></p> <hr/> <p><a href="#">LubeSelect for SKF greases</a></p> <hr/> <p><a href="#">Heater selection tool</a></p> <hr/> <p><a href="#">Drive-up Method Program</a></p> <hr/> <p><a href="#">Oil Injection Method Program</a></p> <hr/> <p><a href="#">Tool and Accessory Selector for sleeves and shafts</a></p> <hr/> <p><a href="#">Housing Select</a></p> <hr/> <p><a href="#">Rolling bearings mounting and dismantling instructions</a></p> <hr/> |
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