



# BS2-2217-2RS/VT143

Popular item  
SKF Explorer

## Spherical roller bearings

### Bearing data

#### Tolerances,

Normal, P6, P5, tapered bore 1:12,  
tapered bore 1:30,

#### Radial internal clearance,

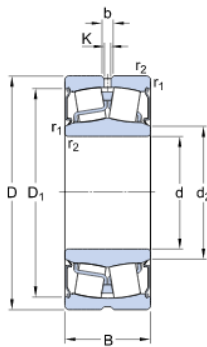
cylindrical bore, tapered bore

### Bearing interfaces

#### Seat tolerances for standard conditions,

#### Tolerances and resultant fit

## Technical specification

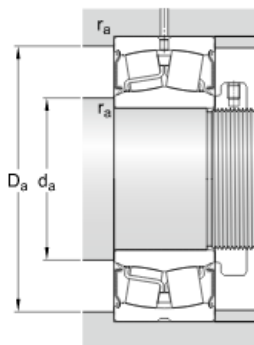


## DIMENSIONS

|                  |           |
|------------------|-----------|
| d                | 85 mm     |
| D                | 150 mm    |
| B                | 44 mm     |
| d <sub>2</sub>   | ≈ 98.2 mm |
| D <sub>1</sub>   | ≈ 137 mm  |
| b                | 6 mm      |
| K                | 3 mm      |
| r <sub>1,2</sub> | min. 2 mm |

## ABUTMENT DIMENSIONS

|                |             |
|----------------|-------------|
| d <sub>a</sub> | min. 96 mm  |
| d <sub>a</sub> | max. 98 mm  |
| D <sub>a</sub> | max. 139 mm |
| r <sub>a</sub> | max. 2 mm   |



## CALCULATION DATA

|                           |                |            |
|---------------------------|----------------|------------|
| Basic dynamic load rating | C              | 291 kN     |
| Basic static load rating  | C <sub>0</sub> | 325 kN     |
| Fatigue load limit        | P <sub>u</sub> | 34.5 kN    |
| Limiting speed            |                | 1900 r/min |
| Calculation factor        | e              | 0.22       |
| Calculation factor        | Y <sub>1</sub> | 3          |
| Calculation factor        | Y <sub>2</sub> | 4.6        |
| Calculation factor        | Y <sub>0</sub> | 2.8        |

## MASS

|              |  |      |
|--------------|--|------|
| Mass bearing |  | 3 kg |
|--------------|--|------|

More information

| Product details                       | Product details                       | Engineering information                                 | Engineering information                                 | Tools   | Tools   |
|---------------------------------------|---------------------------------------|---|---|---|---|
| <a href="#">Designs and variants</a>  | <a href="#">Designs and variants</a>  | <a href="#">Principles of rolling bearing selection</a> | <a href="#">Principles of rolling bearing selection</a> | <a href="#">SimPro Quick</a>  | <a href="#">SimPro Quick</a>  |
| <a href="#">Bearing data</a>          | <a href="#">Bearing data</a>          | <a href="#">General bearing knowledge</a>               | <a href="#">General bearing knowledge</a>               | <a href="#">Bearing Select</a>  | <a href="#">Bearing Select</a>  |
| <a href="#">Loads</a>                 | <a href="#">Loads</a>                 |   |   | <a href="#">Engineering Calculator</a>                                | <a href="#">Engineering Calculator</a>                                |
| <a href="#">Temperature limits</a>    | <a href="#">Temperature limits</a>    | <a href="#">Bearing selection process</a>               | <a href="#">Bearing selection process</a>               | <a href="#">Housing Select</a>  | <a href="#">Housing Select</a>  |
| <a href="#">Permissible speed</a>     | <a href="#">Permissible speed</a>     | <a href="#">Bearing failure and how to prevent it</a>   | <a href="#">Bearing failure and how to prevent it</a>   | <a href="#">LubeSelect for SKF greases</a>                            | <a href="#">LubeSelect for SKF greases</a>                            |
| <a href="#">Design considerations</a> | <a href="#">Design considerations</a> |   |   | <a href="#">Drive-up Method Program</a>                               | <a href="#">Drive-up Method Program</a>                               |
| <a href="#">Mounting</a>              | <a href="#">Mounting</a>              |   |   | <a href="#">Heater selection tool</a>                                 | <a href="#">Heater selection tool</a>                                 |
| <a href="#">Designation system</a>    | <a href="#">Designation system</a>    |   |   | <a href="#">Oil Injection Method Program</a>                          | <a href="#">Oil Injection Method Program</a>                          |
|                                       |                                       |   |   | <a href="#">Rolling bearings mounting and dismounting instruction</a> | <a href="#">Rolling bearings mounting and dismounting instruction</a> |
|                                       |                                       |   |   | <a href="#">Cool and Accessory Selector for sleeves and shafts</a>    | <a href="#">Cool and Accessory Selector for sleeves and shafts</a>    |

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