



## 23222-2CS5/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                | 110 mm      |
| D                | 200 mm      |
| B                | 69.8 mm     |
| d <sub>2</sub>   | ≈ 126 mm    |
| D <sub>1</sub>   | ≈ 178 mm    |
| b                | 8.3 mm      |
| K                | 4.5 mm      |
| r <sub>1,2</sub> | min. 2.1 mm |

#### ABUTMENT DIMENSIONS

|                |             |
|----------------|-------------|
| d <sub>a</sub> | min. 122 mm |
| d <sub>a</sub> | max. 126 mm |
| D <sub>a</sub> | max. 188 mm |
| r <sub>a</sub> | max. 2 mm   |



## CALCULATION DATA

|                           |                |           |
|---------------------------|----------------|-----------|
| Basic dynamic load rating | C              | 627 kN    |
| Basic static load rating  | C <sub>0</sub> | 765 kN    |
| Fatigue load limit        | P <sub>u</sub> | 76.5 kN   |
| Limiting speed            |                | 640 r/min |
| Calculation factor        | e              | 0.33      |
| Calculation factor        | Y <sub>1</sub> | 2         |
| Calculation factor        | Y <sub>2</sub> | 3         |
| Calculation factor        | Y <sub>0</sub> | 2         |

## MASS

|              |  |         |
|--------------|--|---------|
| Mass bearing |  | 9.85 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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