



# 23040-2CS5/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,](#)

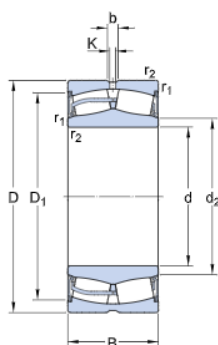
cylindrical bore, tapered bore

### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

## Technical specification

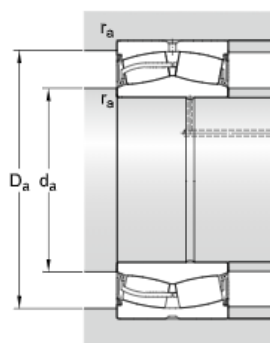


### DIMENSIONS

|                  |             |
|------------------|-------------|
| d                | 200 mm      |
| D                | 310 mm      |
| B                | 82 mm       |
| d <sub>2</sub>   | ≈ 223 mm    |
| D <sub>1</sub>   | ≈ 286 mm    |
| b                | 13.9 mm     |
| K                | 7.5 mm      |
| r <sub>1,2</sub> | min. 2.1 mm |

### ABUTMENT DIMENSIONS

|                |             |
|----------------|-------------|
| d <sub>a</sub> | min. 211 mm |
| d <sub>a</sub> | max. 223 mm |
| D <sub>a</sub> | max. 299 mm |
| r <sub>a</sub> | max. 2 mm   |



## CALCULATION DATA

|                           |                |           |
|---------------------------|----------------|-----------|
| Basic dynamic load rating | C              | 1 059 kN  |
| Basic static load rating  | C <sub>0</sub> | 1 530 kN  |
| Fatigue load limit        | P <sub>u</sub> | 137 kN    |
| Limiting speed            |                | 480 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 | 22 kg |
|--------------|-------|

## More information

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

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