



## 22320 E

- Popular item  
- SKF Explorer

### Spherical roller bearings

#### Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

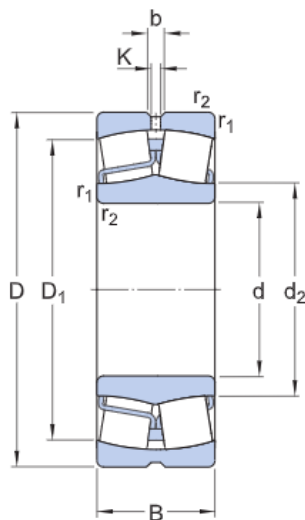
cylindrical bore, tapered bore

#### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

### Technical specification

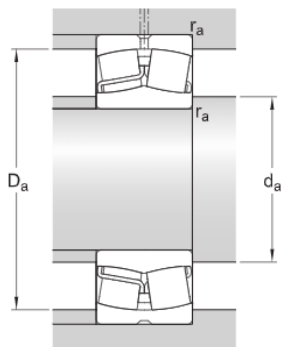


#### DIMENSIONS

|      |          |                                        |
|------|----------|----------------------------------------|
| d    | 100 mm   | Bore diameter                          |
| D    | 215 mm   | Outside diameter                       |
| B    | 73 mm    | Width                                  |
| d2   | ≈130 mm  | Shoulder diameter of inner ring        |
| D1   | ≈184 mm  | Shoulder/recess diameter of outer ring |
| b    | 11.1 mm  | Width of lubrication groove            |
| K    | 6 mm     | Diameter of lubrication hole           |
| r1,2 | min.3 mm | Chamfer dimension                      |

#### ABUTMENT DIMENSIONS

|    |            |                              |
|----|------------|------------------------------|
| da | min.114 mm | Diameter of shaft abutment   |
| Da | max.201 mm | Diameter of housing abutment |
| ra | max.2.5 mm | Radius of fillet             |



## CALCULATION DATA

|                           |                |             |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C              | 847 kN      |
| Basic static load rating  | C <sub>0</sub> | 950 kN      |
| Fatigue load limit        | P <sub>u</sub> | 88 kN       |
| Reference speed           |                | 2 400 r/min |
| Limiting speed            |                | 3 000 r/min |
| Limiting value            | e              | 0.33        |
| Axial load factor         | Y <sub>1</sub> | 2           |
| Axial load factor         | Y <sub>2</sub> | 3           |
| Axial load factor         | Y <sub>0</sub> | 2           |

## MASS

|      |  |       |
|------|--|-------|
| Mass |  | 13 kg |
|------|--|-------|