



## 22211 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,](#)

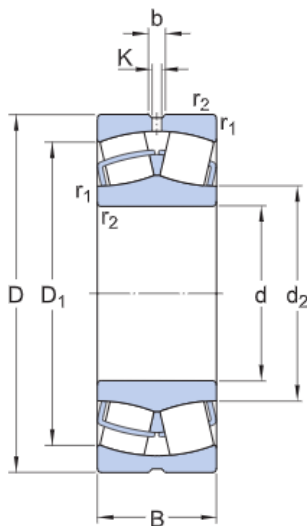
cylindrical bore, tapered bore

#### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

### Technical specification

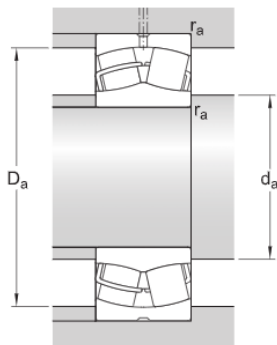


#### DIMENSIONS

|      |            |                                        |
|------|------------|----------------------------------------|
| d    | 55 mm      | Bore diameter                          |
| D    | 100 mm     | Outside diameter                       |
| B    | 25 mm      | Width                                  |
| d2   | ≈65.3 mm   | Shoulder diameter of inner ring        |
| D1   | ≈88 mm     | Shoulder/recess diameter of outer ring |
| b    | 6 mm       | Width of lubrication groove            |
| K    | 3 mm       | Diameter of lubrication hole           |
| r1,2 | min.1.5 mm | Chamfer dimension                      |

#### ABUTMENT DIMENSIONS

|    |            |                              |
|----|------------|------------------------------|
| da | min.64 mm  | Diameter of shaft abutment   |
| Da | max.91 mm  | Diameter of housing abutment |
| ra | max.1.5 mm | Radius of fillet             |



## CALCULATION DATA

|                           |                |             |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C              | 129 kN      |
| Basic static load rating  | C <sub>0</sub> | 127 kN      |
| Fatigue load limit        | P <sub>u</sub> | 13.7 kN     |
| Reference speed           |                | 6 300 r/min |
| Limiting speed            |                | 8 500 r/min |
| Limiting value            | e              | 0.24        |
| Axial load factor         | Y <sub>1</sub> | 2.8         |
| Axial load factor         | Y <sub>2</sub> | 4.2         |
| Axial load factor         | Y <sub>0</sub> | 2.8         |

## MASS

|      |         |
|------|---------|
| Mass | 0.83 kg |
|------|---------|