



## 22216 EK

- Popular item  
- SKF Explorer

### Spherical roller bearings

#### Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

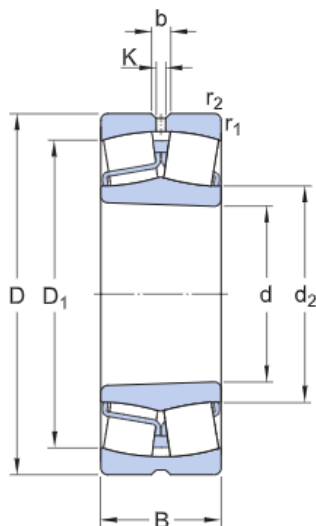
cylindrical bore, tapered bore

#### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

### Technical specification

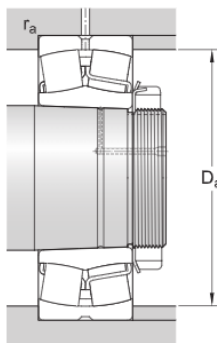


#### DIMENSIONS

|                          |          |                                        |
|--------------------------|----------|----------------------------------------|
| d                        | 80 mm    | Bore diameter                          |
| D                        | 140 mm   | Outside diameter                       |
| B                        | 33 mm    | Width                                  |
| d2                       | ≈94.7 mm | Shoulder diameter of inner ring        |
| D1                       | ≈124 mm  | Shoulder/recess diameter of outer ring |
| b                        | 6 mm     | Width of lubrication groove            |
| K                        | 3 mm     | Diameter of lubrication hole           |
| r1,2                     | min.2 mm | Chamfer dimension                      |
| Tapered bore, taper 1:12 |          |                                        |

#### ABUTMENT DIMENSIONS

|    |            |                              |
|----|------------|------------------------------|
| Da | max.129 mm | Diameter of housing abutment |
| ra | max.2 mm   | Radius of fillet             |



## CALCULATION DATA

|                           |                |             |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C              | 243 kN      |
| Basic static load rating  | C <sub>0</sub> | 270 kN      |
| Fatigue load limit        | P <sub>u</sub> | 29 kN       |
| Reference speed           |                | 4 300 r/min |
| Limiting speed            |                | 6 000 r/min |
| Limiting value            | e              | 0.22        |
| Axial load factor         | Y <sub>1</sub> | 3           |
| Axial load factor         | Y <sub>2</sub> | 4.6         |
| Axial load factor         | Y <sub>0</sub> | 2.8         |

## MASS

|      |         |
|------|---------|
| Mass | 2.05 kg |
|------|---------|

## MOUNTING INFORMATION

|                                          |          |       |
|------------------------------------------|----------|-------|
| Recommened tightening angle for lock nut | $\alpha$ | 130 ° |
|------------------------------------------|----------|-------|