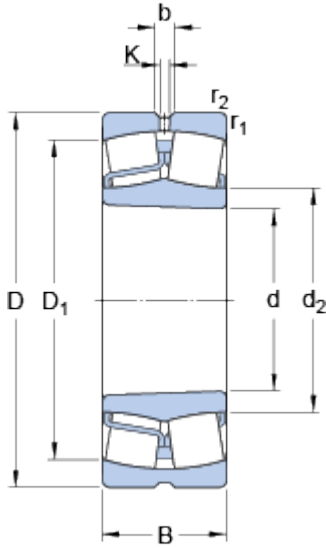


# 22316 EK

SKF Explorer

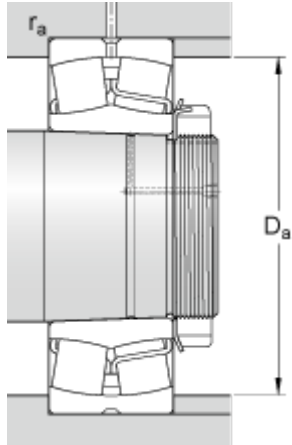
## Dimensions



|                  |          |    |
|------------------|----------|----|
| d                | 80       | mm |
| D                | 170      | mm |
| B                | 58       | mm |
| d <sub>2</sub>   | ≈ 98.3   | mm |
| D <sub>1</sub>   | ≈ 143    | mm |
| b                | 8.3      | mm |
| K                | 4.5      | mm |
| r <sub>1,2</sub> | min. 2.1 | mm |

Tapered bore, taper 1:12

## Abutment dimensions



|                |      |     |    |
|----------------|------|-----|----|
| D <sub>a</sub> | max. | 158 | mm |
| r <sub>a</sub> | max. | 2   | mm |

## Calculation data

|                           |                |      |       |
|---------------------------|----------------|------|-------|
| Basic dynamic load rating | C              | 516  | kN    |
| Basic static load rating  | C              | 530  | kN    |
| Fatigue load limit        | P <sub>u</sub> | 54   | kN    |
| Reference speed           |                | 3000 | r/min |
| Limiting speed            |                | 4000 | r/min |
| Calculation factor        | e              | 0.35 |       |
| Calculation factor        | Y <sub>1</sub> | 1.9  |       |
| Calculation factor        | Y <sub>2</sub> | 2.9  |       |
| Calculation factor        | Y              | 1.8  |       |

## Mass

|              |      |    |
|--------------|------|----|
| Mass bearing | 6.45 | kg |
|--------------|------|----|

## Mounting information

|                                       |   |     |   |
|---------------------------------------|---|-----|---|
| Recommended lock nut tightening angle | α | 130 | ° |
|---------------------------------------|---|-----|---|

