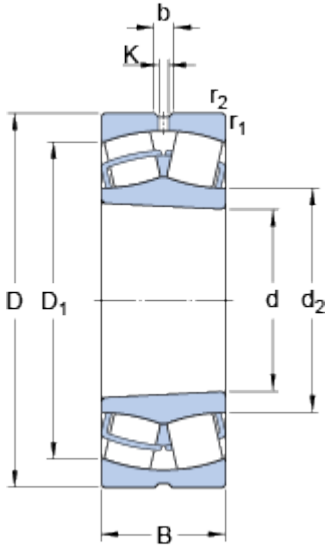


22209 EK

SKF Explorer

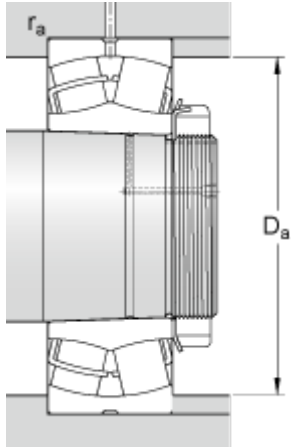
Dimensions



| | | | |
|------------------|------|------|----|
| d | | 45 | mm |
| D | | 85 | mm |
| B | | 23 | mm |
| d ₂ | ≈ | 54.4 | mm |
| D ₁ | ≈ | 74.4 | mm |
| b | | 5.5 | mm |
| K | | 3 | mm |
| r _{1,2} | min. | 1.1 | mm |

Tapered bore, taper 1:12

Abutment dimensions



| | | | |
|----------------|------|----|----|
| D _a | max. | 78 | mm |
| r _a | max. | 1 | mm |

Calculation data

| | | | |
|---------------------------|----------------|-------|-------|
| Basic dynamic load rating | C | 104 | kN |
| Basic static load rating | C | 98 | kN |
| Fatigue load limit | P _u | 10.8 | kN |
| Reference speed | | 7500 | r/min |
| Limiting speed | | 10000 | r/min |
| Calculation factor | e | 0.26 | |
| Calculation factor | Y ₁ | 2.6 | |
| Calculation factor | Y ₂ | 3.9 | |
| Calculation factor | Y | 2.5 | |

Mass

| | | |
|--------------|------|----|
| Mass bearing | 0.57 | kg |
|--------------|------|----|

Mounting information

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

