



## 22205 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,](#)

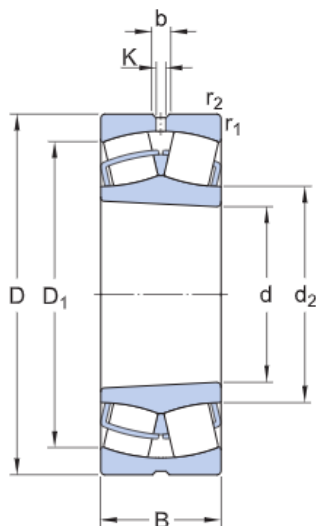
cylindrical bore, tapered bore

#### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

### Technical specification

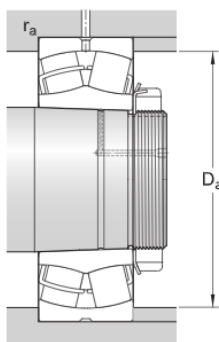


#### DIMENSIONS

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
d2	≈31.3 mm	Shoulder diameter of inner ring
D1	≈44.2 mm	Shoulder/recess diameter of outer ring
b	3.7 mm	Width of lubrication groove
K	2 mm	Diameter of lubrication hole
r1,2	min.1 mm	Chamfer dimension
Tapered bore, taper 1:12		

#### ABUTMENT DIMENSIONS

Da	max.46.4 mm	Diameter of housing abutment
ra	max.1 mm	Radius of fillet



## CALCULATION DATA

Basic dynamic load rating	C	49.9 kN
Basic static load rating	C <sub>0</sub>	44 kN
Fatigue load limit	P <sub>u</sub>	4.75 kN
Reference speed		13 000 r/min
Limiting speed		17 000 r/min
Limiting value	e	0.35
Axial load factor	Y <sub>1</sub>	1.9
Axial load factor	Y <sub>2</sub>	2.9
Axial load factor	Y <sub>0</sub>	1.8

## MASS

Mass		0.17 kg
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## MOUNTING INFORMATION

Recommened tightening angle for lock nut	α	100 °
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