



## 22224 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,

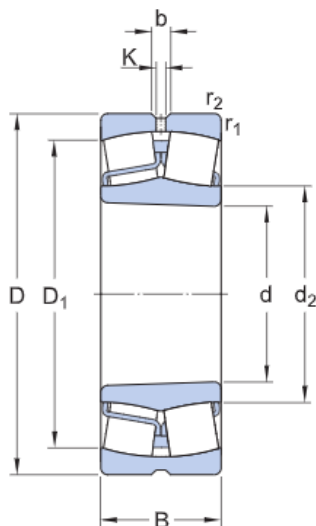
cylindrical bore, tapered bore

#### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

### Technical specification

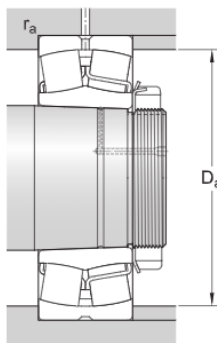


#### DIMENSIONS

d	120 mm	Bore diameter
D	215 mm	Outside diameter
B	58 mm	Width
d2	≈141 mm	Shoulder diameter of inner ring
D1	≈189 mm	Shoulder/recess diameter of outer ring
b	11.1 mm	Width of lubrication groove
K	6 mm	Diameter of lubrication hole
r1,2	min.2.1 mm	Chamfer dimension
Tapered bore, taper 1:12		

#### ABUTMENT DIMENSIONS

Da	max.203 mm	Diameter of housing abutment
ra	max.2 mm	Radius of fillet



## CALCULATION DATA

Basic dynamic load rating	C	652 kN
Basic static load rating	C <sub>0</sub>	765 kN
Fatigue load limit	P <sub>u</sub>	73.5 kN
Reference speed		2 800 r/min
Limiting speed		3 800 r/min
Limiting value	e	0.26
Axial load factor	Y <sub>1</sub>	2.6
Axial load factor	Y <sub>2</sub>	3.9
Axial load factor	Y <sub>0</sub>	2.5

## MASS

Mass		8.75 kg
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