



22220 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,](#)

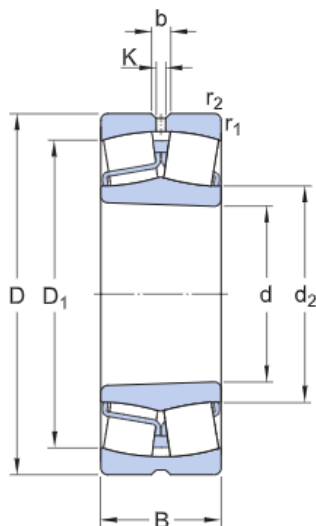
cylindrical bore, tapered bore

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

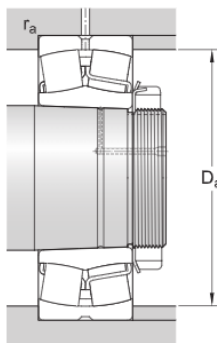


DIMENSIONS

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	46 mm	Width
d2	≈118 mm	Shoulder diameter of inner ring
D1	≈159 mm	Shoulder/recess diameter of outer ring
b	8.3 mm	Width of lubrication groove
K	4.5 mm	Diameter of lubrication hole
r1,2	min.2.1 mm	Chamfer dimension
Tapered bore, taper 1:12		

ABUTMENT DIMENSIONS

Da	max.168 mm	Diameter of housing abutment
ra	max.2 mm	Radius of fillet



CALCULATION DATA

Basic dynamic load rating	C	433 kN
Basic static load rating	C ₀	490 kN
Fatigue load limit	P _u	49 kN
Reference speed		3 400 r/min
Limiting speed		4 500 r/min
Limiting value	e	0.24
Axial load factor	Y ₁	2.8
Axial load factor	Y ₂	4.2
Axial load factor	Y ₀	2.8

MASS

Mass	4.85 kg
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MOUNTING INFORMATION

Recommened tightening angle for lock nut	α	150 °
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