



22309 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,](#)

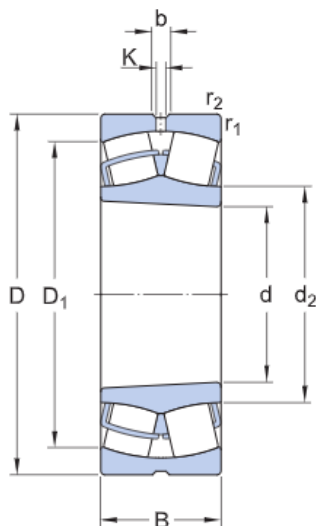
cylindrical bore, tapered bore

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

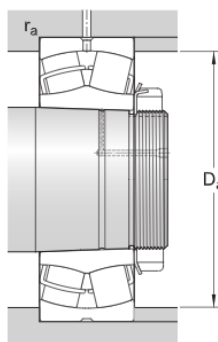


DIMENSIONS

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	36 mm	Width
d2	≈57.6 mm	Shoulder diameter of inner ring
D1	≈83.4 mm	Shoulder/recess diameter of outer ring
b	6 mm	Width of lubrication groove
K	3 mm	Diameter of lubrication hole
r1,2	min.1.5 mm	Chamfer dimension
Tapered bore, taper 1:12		

ABUTMENT DIMENSIONS

Da	max.91 mm	Diameter of housing abutment
ra	max.1.5 mm	Radius of fillet



CALCULATION DATA

Basic dynamic load rating	C	190 kN
Basic static load rating	C ₀	183 kN
Fatigue load limit	P _u	19.6 kN
Reference speed		5 300 r/min
Limiting speed		7 000 r/min
Limiting value	e	0.37
Axial load factor	Y ₁	1.8
Axial load factor	Y ₂	2.7
Axial load factor	Y ₀	1.8

MASS

Mass	1.35 kg
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MOUNTING INFORMATION

Recommened tightening angle for lock nut	α	130 °
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