



22217 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

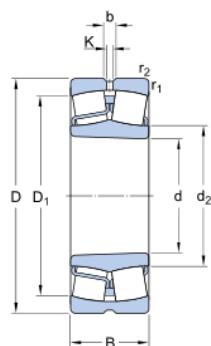
Bearing interfaces

Seat tolerances for standard
conditions,

Tolerances and resultant fit

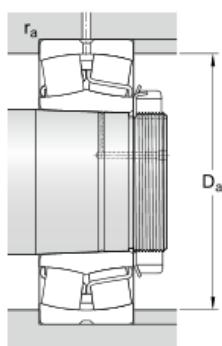
Technical specification

DIMENSIONS



d	85 mm
D	150 mm
B	36 mm
d ₂	≈ 101 mm
D ₁	≈ 133 mm
b	6 mm
K	3 mm
r _{1,2}	min. 2 mm
Tapered bore, taper 1:12	

ABUTMENT DIMENSIONS



D _a	max. 139 mm
r _a	max. 2 mm

CALCULATION DATA

Basic dynamic load rating	C	291 kN
Basic static load rating	C_0	325 kN
Fatigue load limit	P_u	34.5 kN
Reference speed		4000 r/min
Limiting speed		5600 r/min
Calculation factor	e	0.22
Calculation factor	γ_1	3
Calculation factor	γ_2	4.6
Calculation factor	γ_0	2.8

MASS

Mass bearing	2.65 kg
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MOUNTING INFORMATION

Recommended lock nut tightening angle	α	150 °
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	SimPro Quick
Bearing data	General bearing knowledge	Bearing Select
Loads	Bearing selection process	Engineering Calculator
Temperature limits	Bearing failure and how to prevent it	Housing Select
Permissible speed		LubeSelect for SKF greases
Design considerations		Drive-up Method Program
Mounting		Heater selection tool
Designation system		Oil Injection Method Program
		Rolling bearings mounting and dismounting instructions
		Tool and Accessory Selector for sleeves and shafts

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