



22314 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,](#)

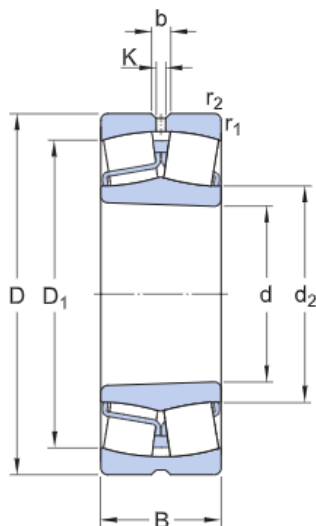
cylindrical bore, tapered bore

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

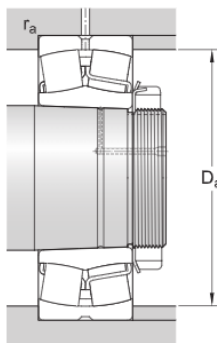


DIMENSIONS

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	51 mm	Width
d2	≈90.3 mm	Shoulder diameter of inner ring
D1	≈128 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.138 mm	Diameter of housing abutment
ra	max.2 mm	Radius of fillet



CALCULATION DATA

Basic dynamic load rating	C	413 kN
Basic static load rating	C ₀	430 kN
Fatigue load limit	P _u	45 kN
Reference speed		3 400 r/min
Limiting speed		4 500 r/min
Limiting value	e	0.33
Axial load factor	Y ₁	2
Axial load factor	Y ₂	3
Axial load factor	Y ₀	2

MASS

Mass	4.25 kg
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MOUNTING INFORMATION

Recommened tightening angle for lock nut	α	130 °
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