



22214 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,](#)

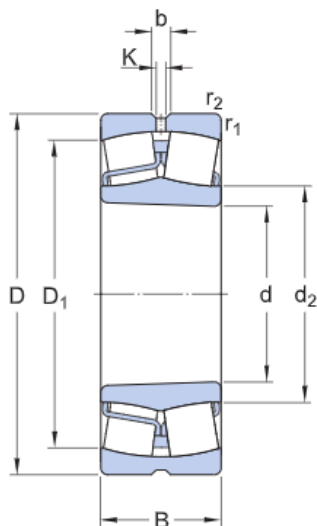
cylindrical bore, tapered bore

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

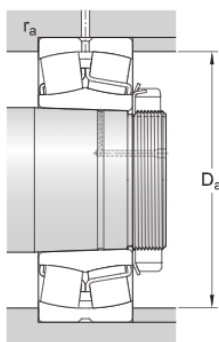


DIMENSIONS

d	70 mm	Bore diameter
D	125 mm	Outside diameter
B	31 mm	Width
d2	≈83 mm	Shoulder diameter of inner ring
D1	≈111 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.116 mm	Diameter of housing abutment
ra	max.1.5 mm	Radius of fillet



CALCULATION DATA

Basic dynamic load rating	C	213 kN
Basic static load rating	C ₀	228 kN
Fatigue load limit	P _u	25.5 kN
Reference speed		5 000 r/min
Limiting speed		6 700 r/min
Limiting value	e	0.23
Axial load factor	Y ₁	2.9
Axial load factor	Y ₂	4.4
Axial load factor	Y ₀	2.8

MASS

Mass	1.6 kg
------	--------

MOUNTING INFORMATION

Recommened tightening angle for lock nut	α	130 °
--	----------	-------