



22311 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,](#)

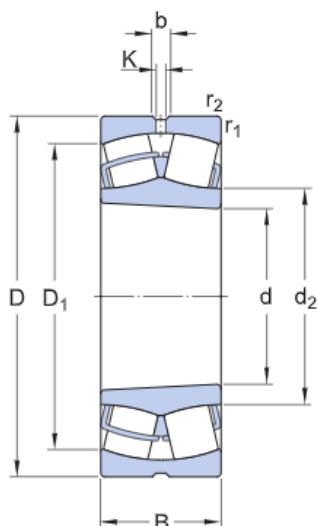
cylindrical bore, tapered bore

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

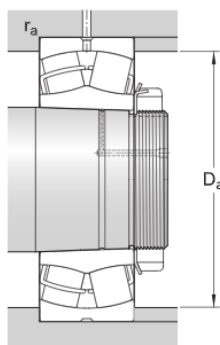


DIMENSIONS

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	43 mm	Width
d2	≈70.1 mm	Shoulder diameter of inner ring
D1	≈102 mm	Shoulder/recess diameter of outer ring
b	5.5 mm	Width of lubrication groove
K	3 mm	Diameter of lubrication hole
r1,2	min.2 mm	Chamfer dimension
Tapered bore, taper 1:12		

ABUTMENT DIMENSIONS

Da	max.109 mm	Diameter of housing abutment
ra	max.2 mm	Radius of fillet



CALCULATION DATA

Basic dynamic load rating	C	280 kN
Basic static load rating	C ₀	280 kN
Fatigue load limit	P _u	30 kN
Reference speed		4 300 r/min
Limiting speed		5 600 r/min
Limiting value	e	0.35
Axial load factor	Y ₁	1.9
Axial load factor	Y ₂	2.9
Axial load factor	Y ₀	1.8

MASS

Mass		2.3 kg
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MOUNTING INFORMATION

Recommened tightening angle for lock nut	α	115 °
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