



22309 E

- Popular item
- SKF Explorer

Spherical roller bearings

Bearing data

[Tolerances,](#)

Normal, P6, P5, tapered bore 1:12,
tapered bore 1:30,

[Radial internal clearance,](#)

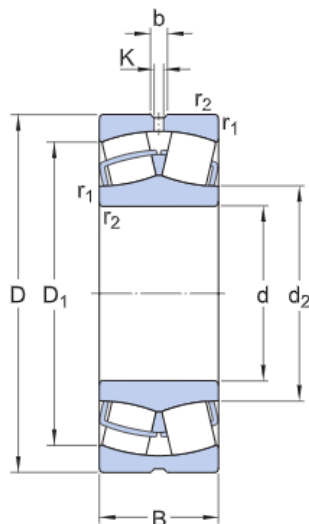
cylindrical bore, tapered bore

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

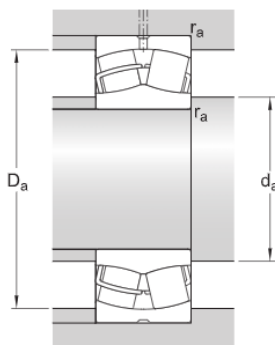


DIMENSIONS

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

ABUTMENT DIMENSIONS

da	min.54 mm	Diameter of shaft abutment
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		1.4 kg
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