



22318 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,](#)

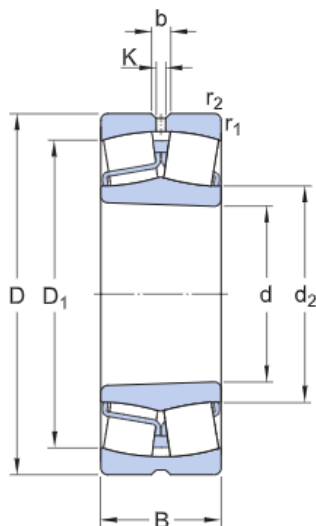
cylindrical bore, tapered bore

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

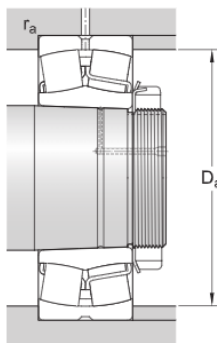


DIMENSIONS

d	90 mm	Bore diameter
D	190 mm	Outside diameter
B	64 mm	Width
d2	≈113 mm	Shoulder diameter of inner ring
D1	≈161 mm	Shoulder/recess diameter of outer ring
b	11.1 mm	Width of lubrication groove
K	6 mm	Diameter of lubrication hole
r1,2	min.3 mm	Chamfer dimension
Tapered bore, taper 1:12		

ABUTMENT DIMENSIONS

Da	max.176 mm	Diameter of housing abutment
ra	max.2.5 mm	Radius of fillet



CALCULATION DATA

Basic dynamic load rating	C	637 kN
Basic static load rating	C ₀	695 kN
Fatigue load limit	P _u	67 kN
Reference speed		2 600 r/min
Limiting speed		3 600 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	8.5 kg
------	--------

MOUNTING INFORMATION

Recommened tightening angle for lock nut	α	150 °
--	----------	-------