



# 22315 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,](#)

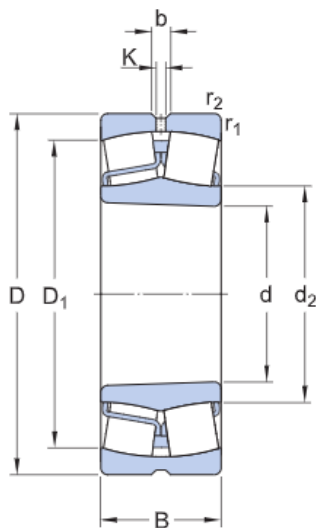
cylindrical bore, tapered bore

### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

## Technical specification

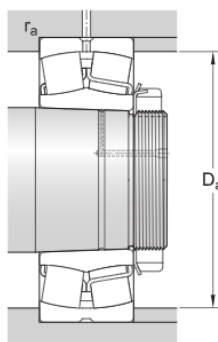


### DIMENSIONS

d	75 mm	Bore diameter
D	160 mm	Outside diameter
B	55 mm	Width
d2	≈92.8 mm	Shoulder diameter of inner ring
D1	≈135 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.148 mm	Diameter of housing abutment
ra	max.2 mm	Radius of fillet



## CALCULATION DATA

Basic dynamic load rating	C	462 kN
Basic static load rating	C <sub>0</sub>	475 kN
Fatigue load limit	P <sub>u</sub>	48 kN
Reference speed		3 200 r/min
Limiting speed		4 300 r/min
Limiting value	e	0.35
Axial load factor	Y <sub>1</sub>	1.9
Axial load factor	Y <sub>2</sub>	2.9
Axial load factor	Y <sub>0</sub>	1.8

## MASS

Mass	5.15 kg
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## MOUNTING INFORMATION

Recommened tightening angle for lock nut	$\alpha$	130 °
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