

# 23068 CCK/W33



## Spherical roller bearing with tapered bore and relubrication features

Spherical roller bearings can accommodate heavy loads in both directions. They are self-aligning and accommodate misalignment and shaft deflections, with virtually no increase in friction or temperature. The design includes features to facilitate relubrication. The bearings can be used in a modular system, including housings, sleeves and nuts.

- Accommodate misalignment
- High load carrying capacity
- Relubrication features
- Low friction and long service life
- Increased wear resistance

## Overview

### Dimensions

Bore diameter	340 mm
Outside diameter	520 mm
Width	133 mm

### Performance

Basic dynamic load rating	2 812 kN
Basic static load rating	4 550 kN
Reference speed	1 000 r/min
Limiting speed	1 300 r/min
SKF performance class	SKF Explorer

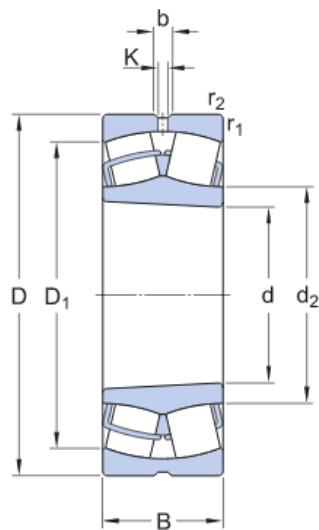
### Properties

Number of rows	2
Locating feature, bearing outer ring	Without
Bore type	Tapered 1:12
Cage	Sheet metal
Radial internal clearance	CN
Tolerance class for dimensions	Normal
Tolerance class for run-out	Normal
Sealing	Without
Lubricant	None
Relubrication feature	With
Candidate for remanufacturing	Yes

# Technical Specification

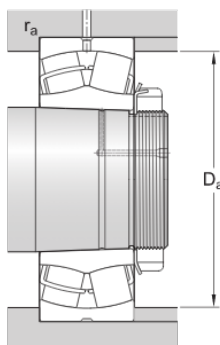
SKF performance class	SKF Explorer
Bore type	Tapered 1:12

## Dimensions



d	340 mm	Bore diameter
D	520 mm	Outside diameter
B	133 mm	Width
d <sub>2</sub>	≈ 385 mm	Shoulder diameter of inner ring
D <sub>1</sub>	≈ 468 mm	Shoulder/recess diameter of outer ring
b	22.3 mm	Width of lubrication groove
K	12 mm	Diameter of lubrication hole
r <sub>1,2</sub>	min. 5 mm	Chamfer dimension

## Abutment dimensions



Da	max. 502 mm	Diameter of housing abutment
ra	max. 4 mm	Radius of fillet

## Calculation data

Basic dynamic load rating	C	2 812 kN
Basic static load rating	C <sub>0</sub>	4 550 kN

Fatigue load limit	$P_u$	335 kN
Reference speed		1 000 r/min
Limiting speed		1 300 r/min
Limiting value	$e$	0.24
Calculation factor	$Y_1$	2.8
Calculation factor	$Y_2$	4.2
Calculation factor	$Y_0$	2.8

## Mass

Mass		98 kg
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## Tolerance class

Dimensional tolerances		Normal
Radial run-out		Normal

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