



Image may differ from product. See technical specification for details.

23264 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	320 mm
Outside diameter	580 mm
Width	208 mm

Performance

Basic dynamic load rating	4 607 kN
Basic static load rating	6 700 kN
Reference speed	700 r/min
Limiting speed	950 r/min
SKF performance class	SKF Explorer

Properties

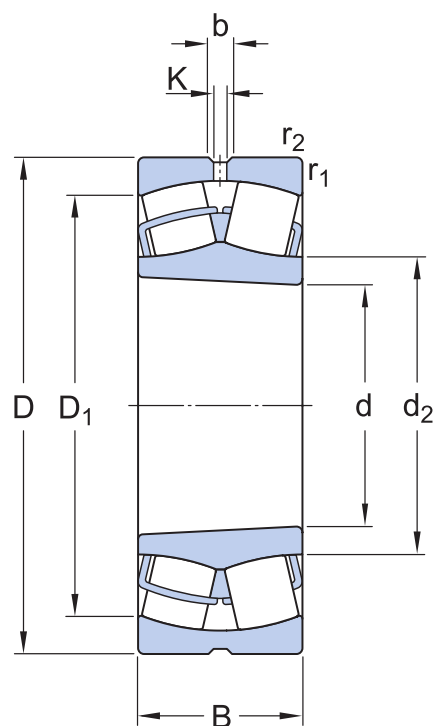
Number of rows	2
Locating feature, bearing outer ring	Without
Bore type	Tapered 1:12
Cage	Sheet metal
Radial internal clearance	CN
Tolerance class for dimensions	Normal
Tolerance class for run-out	Normal
Sealing	Without
Lubricant	None
Relubrication feature	With
Candidate for remanufacturing	Yes

Logistics

Product net weight	228 kg
eClass code	23-05-09-11
UNSPSC code	31171510

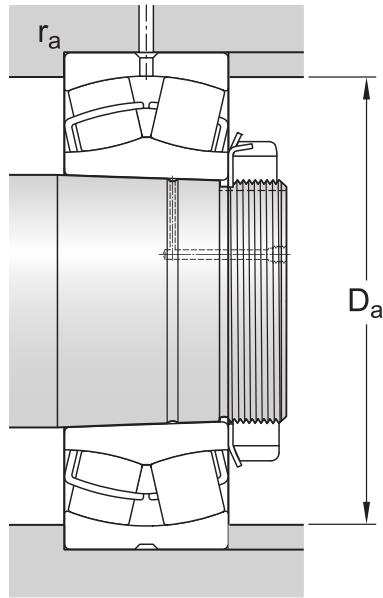
Technical specification

Bore type	Tapered 1:12
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Dimensions

d	320 mm	Bore diameter
D	580 mm	Outside diameter
B	208 mm	Width
d ₂	≈ 382 mm	Shoulder diameter of inner ring
D ₁	≈ 493 mm	Shoulder/recess diameter of outer ring
b	22.3 mm	Width of lubrication groove
K	12 mm	Diameter of lubrication hole
r _{1,2}	min. 5 mm	Chamfer dimension



Abutment dimensions

D_a	max. 560 mm	Diameter of housing abutment
r_a	max. 4 mm	Radius of fillet

Calculation data

SKF performance class		SKF Explorer
Basic dynamic load rating	C	4 607 kN
Basic static load rating	C_0	6 700 kN
Fatigue load limit	P_u	475 kN
Reference speed		700 r/min
Limiting speed		950 r/min
Limiting value	e	0.35
Calculation factor	Y_1	1.9
Calculation factor	Y_2	2.9
Calculation factor	Y_0	1.8

Tolerance class

Dimensional tolerances	Normal
Radial run-out	Normal

GENERAL BEARING SPECIFICATIONS

- **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](#)

Compatible products

Recommended product

Withdrawal sleeve, for oil injection, ISO standards	AOH 3264 G
Adapter sleeve for oil injection mounting with HM lock nut and MS locking clip, metric dimensions	OH 3264 H

More Information

<div> Product details</div> <div>Designs and variants</div> <div>General bearing specifications</div> <div>Loads</div> <div>Temperature limits</div> <div>Permissible speed</div> <div>Design considerations</div> <div>Mounting</div> <div>Designation system</div>	<div> Engineering information</div> <div>Principles of rolling bearing selection</div> <div>General bearing knowledge</div> <div>Bearing selection process</div> <div>Bearing failure and how to prevent it</div>	<div> Tools</div> <div>SimPro Quick</div> <div>SKF Product select - Select and evaluate bearing</div> <div>SKF Product select - Combine housing with bearing</div> <div>LubeSelect for SKF greases</div> <div>Drive-up Method Program</div> <div>Heater selection tool</div> <div>Oil Injection Method Program</div> <div>Tool and Accessory Selector for sleeves and shafts</div>
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