



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

## 23248 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	240 mm
Outside diameter	440 mm
Width	160 mm

Performance

Basic dynamic load rating	3 042 kN
Basic static load rating	4 300 kN
Reference speed	950 r/min
Limiting speed	1 300 r/min
SKF performance class	SKF Explorer

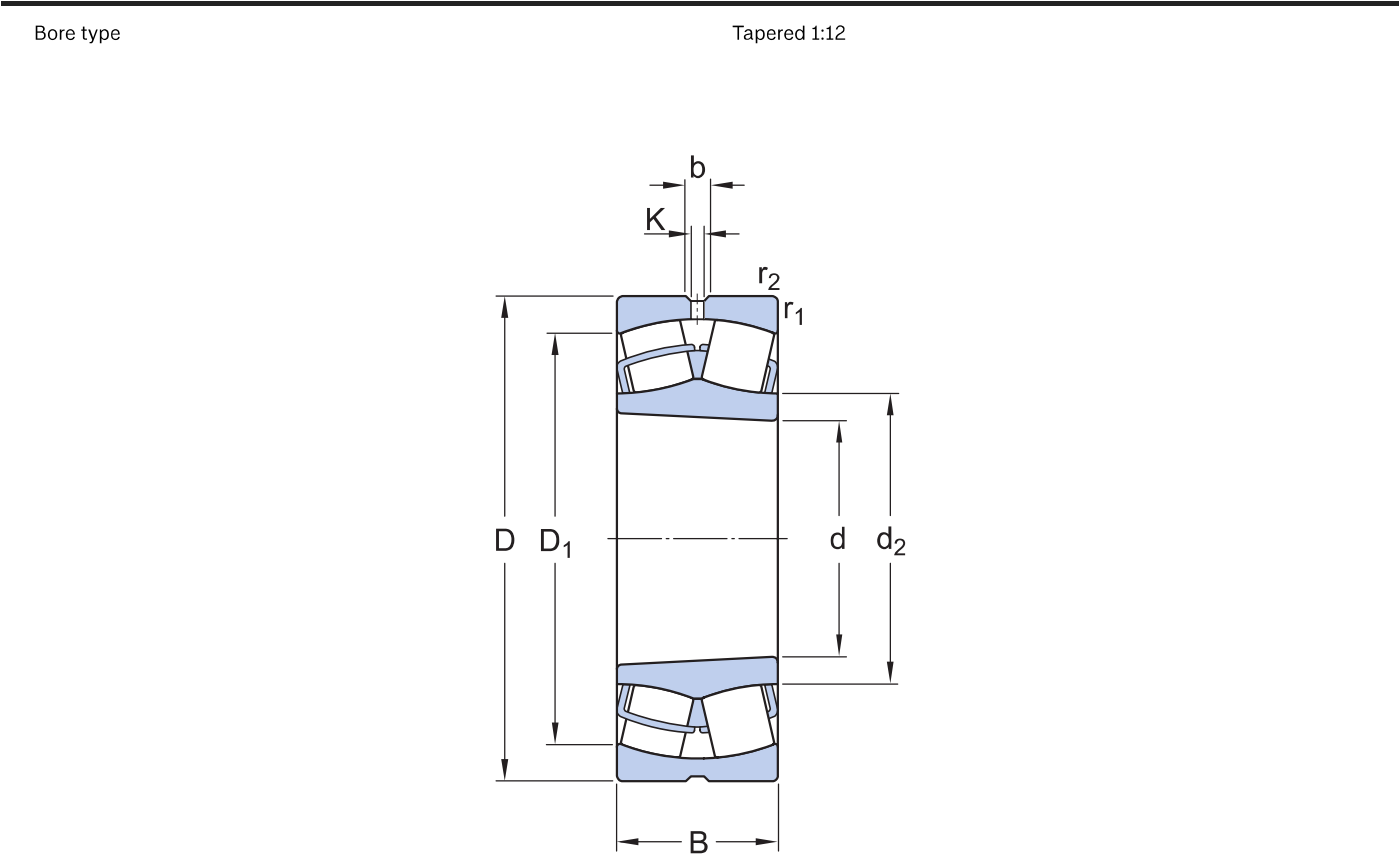
Properties

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	P5
Sealing	Without
Lubricant	None
Relubrication feature	With
Candidate for remanufacturing	Yes

Logistics

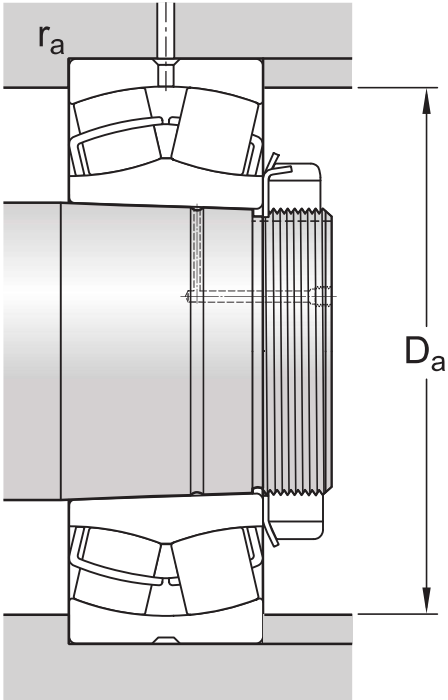
Product net weight	104 kg
eClass code	23-05-09-11
UNSPSC code	31171510

Technical specification



Dimensions

d	240 mm	Bore diameter
D	440 mm	Outside diameter
B	160 mm	Width
d <sub>2</sub>	≈ 286 mm	Shoulder diameter of inner ring
D <sub>1</sub>	≈ 374 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. 4 mm	Chamfer dimension



Abutment dimensions

$D_a$	max. 423 mm	Diameter of housing abutment
$r_a$	max. 3 mm	Radius of fillet

Calculation data

SKF performance class		SKF Explorer
Basic dynamic load rating	C	3 042 kN
Basic static load rating	$C_0$	4 300 kN
Fatigue load limit	$P_u$	345 kN
Reference speed		950 r/min
Limiting speed		1 300 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	P5

Tolerances and clearances

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	<a href="#">AOH 2348</a>
Adapter sleeve for oil injection mounting with HM .. T lock nut and MB lock washer, metric dimensions	<a href="#">OH 2348 H</a>

More Information

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