



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

## 23026-2CS5/VT143

**Spherical roller bearing with integral sealing 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. Under normal operating conditions, sealed bearings are almost

maintenance-free, keeping service costs and grease consumption low. The design includes features to facilitate relubrication.

- Accommodate misalignment
- High load carrying capacity
- Sealed for increased reliability, with relubrication features
- Low friction and long service life
- Increased wear resistance

## Overview

### Dimensions

Bore diameter	130 mm
Outside diameter	200 mm
Width	52 mm

### Performance

Basic dynamic load rating	452 kN
Basic static load rating	610 kN
Limiting speed	800 r/min
SKF performance class	SKF Explorer

### Properties

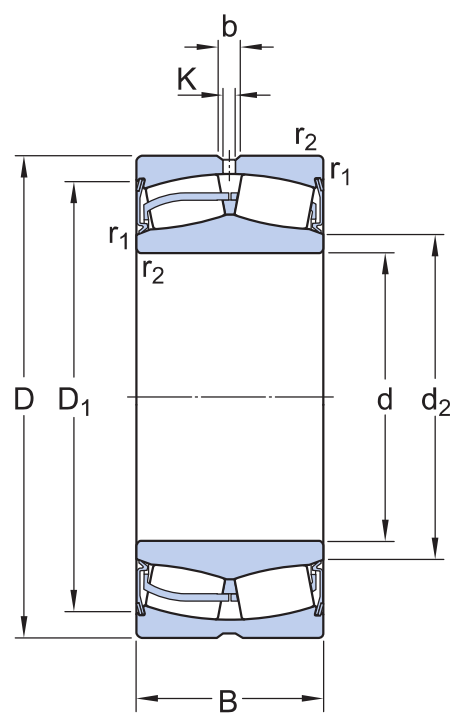
Number of rows	2
Locating feature, bearing outer ring	Without
Bore type	Cylindrical
Cage	Sheet metal
Radial internal clearance	CN
Tolerance class for dimensions	Normal
Tolerance class for run-out	P5
Sealing	Seal on both sides
Sealing type	Contact
Lubricant	Grease
Relubrication feature	With
Candidate for remanufacturing	Yes

### Logistics

Product net weight	5.59 kg
eClass code	23-05-09-11
UNSPSC code	31171510

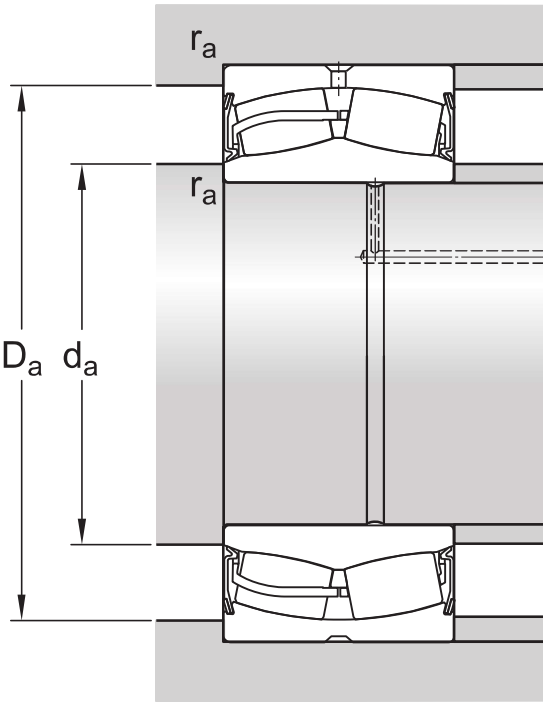
Technical specification

Bore type	Cylindrical
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Dimensions

d	130 mm	Bore diameter
D	200 mm	Outside diameter
B	52 mm	Width
d <sub>2</sub>	≈ 145 mm	Shoulder diameter of inner ring
D <sub>1</sub>	≈ 186 mm	Shoulder/recess diameter of outer ring
b	8.3 mm	Width of lubrication groove
K	4.5 mm	Diameter of lubrication hole
r <sub>1,2</sub>	min. 2 mm	Chamfer dimension



Abutment dimensions

$d_a$	min. 139 mm	Diameter of shaft abutment
$d_a$	max. 145 mm	Diameter of shaft abutment
$D_a$	max. 191 mm	Diameter of housing abutment
$r_a$	max. 2 mm	Radius of fillet

Calculation data

SKF performance class		SKF Explorer
Basic dynamic load rating	C	452 kN
Basic static load rating	$C_0$	610 kN
Fatigue load limit	$P_u$	62 kN
Limiting speed		800 r/min
Limiting value	e	0.21
Calculation factor	$Y_1$	3.2
Calculation factor	$Y_2$	4.8
Calculation factor	$Y_0$	3.2

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](#)

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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