



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

# 6201

## Deep groove ball bearing

Single row deep groove ball bearings are particularly versatile, have low friction and are optimized for low noise and low vibration, which enables high rotational speeds. They accommodate radial and axial loads in both directions, are easy to mount, and require less maintenance than many other bearing types.

- Simple, versatile and robust design
- Low friction
- High-speed capability
- Accommodate radial and axial loads in both directions
- Require little maintenance

# Overview

## Dimensions

Bore diameter	12 mm
Outside diameter	32 mm
Width	10 mm

## Performance

Basic dynamic load rating	7.28 kN
Basic static load rating	3.1 kN
Reference speed	50 000 r/min
Limiting speed	32 000 r/min
SKF performance class	SKF Explorer

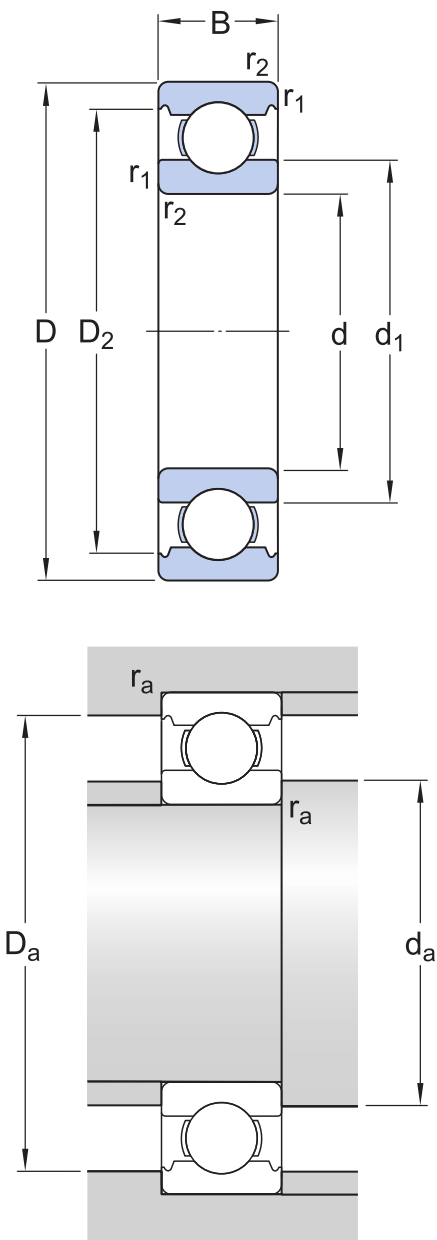
## Properties

Filling slots	Without
Number of rows	1
Locating feature, bearing outer ring	None
Bore type	Cylindrical
Cage	Sheet metal
Matched arrangement	No
Radial internal clearance	CN
Tolerance class	Class P6 (P6)
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without

## Logistics

Product net weight	0.0354 kg
eClass code	23-05-08-01
UNSPSC code	31171504

Technical specification



Dimensions

d	12 mm	Bore diameter
D	32 mm	Outside diameter
B	10 mm	Width
d <sub>1</sub>	≈ 18.45 mm	Shoulder diameter
D <sub>2</sub>	≈ 27.34 mm	Recess diameter
r <sub>1,2</sub>	min. 0.6 mm	Chamfer dimension

Abutment dimensions

d <sub>a</sub>	min. 16.2 mm	Diameter of shaft abutment
D <sub>a</sub>	max. 27.8 mm	Diameter of housing abutment
r <sub>a</sub>	max. 0.6 mm	Radius of shaft or housing fillet

Calculation data

SKF performance class		SKF Explorer
Basic dynamic load rating	C	7.28 kN
Basic static load rating	C <sub>0</sub>	3.1 kN
Fatigue load limit	P <sub>u</sub>	0.132 kN
Reference speed		50 000 r/min
Limiting speed		32 000 r/min
Minimum load factor	k <sub>r</sub>	0.025
Calculation factor	f <sub>0</sub>	12

Tolerance class




Dimensional tolerances	P6
Radial run-out	P5

Compatible products

Recommended tool

Deep groove ball bearing puller kit	<a href="#">TMMD 100</a>
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More Information

<div> <b>Product details</b></div> <div><a href="#">Single row deep groove ball bearings</a></div> <div><a href="#">Stainless steel deep groove ball bearings</a></div> <div><a href="#">Single row deep groove ball bearings with filling slots</a></div> <div><a href="#">Double row deep groove ball bearings</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="#">Designation system</a></div>	<div> <b>Engineering information</b></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 interfaces</a></div> <div><a href="#">Seat tolerances for standard conditions</a></div> <div><a href="#">Selecting internal clearance</a></div> <div><a href="#">Lubrication</a></div> <div><a href="#">Sealing, mounting and dismounting</a></div> <div><a href="#">Bearing failure and how to prevent it</a></div>	<div> <b>Tools</b></div> <div><a href="#">SKF Product select</a></div> <div><a href="#">SimPro Quick</a></div> <div><a href="#">Bearing Frequency Calculator</a></div> <div><a href="#">LubeSelect for SKF greases</a></div> <div><a href="#">Heater selection tool</a></div>
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