



# 6201-RSH

## Deep groove ball bearing with seals

Single row deep groove ball bearings with seals on one or both sides 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 other bearing types. The integral sealing can significantly prolong bearing service life because it keeps lubricant in the bearings and contaminants out.

- Integral sealing prolongs bearing service life
- Simple, versatile and robust design
- Low friction and high-speed capability
- Accommodate radial and axial loads in both directions
- Require little maintenance

## Overview

### Dimensions

Bore diameter	0.472 in
Outside diameter	1.26 in
Width	0.394 in

### Performance

Basic dynamic load rating	1 637 lbf
Basic static load rating	697 lbf
Limiting speed	15 000 r/min
SKF performance class	SKF Explorer

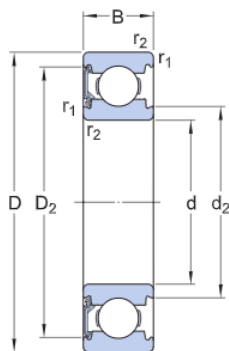
### Properties

Bore type	Cylindrical
Cage	Sheet metal
Coating	Without
Filling slots	Without
Locating feature, bearing outer ring	None
Lubricant	None
Matched arrangement	No
Material, bearing	Bearing steel
Number of rows	1
Radial internal clearance	CN
Relubrication feature	Without
Sealing	Seal on one side
Sealing type	Contact

# Technical Specification

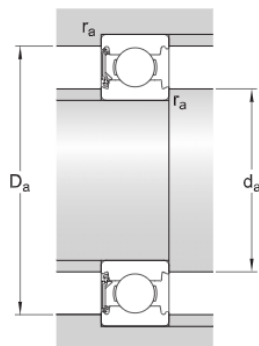
SKF performance class

SKF Explorer



## Dimensions

d	0.472 in	Bore diameter
D	1.26 in	Outside diameter
B	0.394 in	Width
d <sub>2</sub>	≈ 0.638 in	Recess diameter
D <sub>2</sub>	≈ 1.076 in	Recess diameter
r <sub>1,2</sub>	min. 0.024 in	Chamfer dimension



## Abutment dimensions

d <sub>a</sub> min.	0.638 in	Diameter of shaft abutment
d <sub>a</sub> max.	0.65 in	Diameter of shaft abutment
D <sub>a</sub> max.	1.094 in	Diameter of housing abutment
r <sub>a</sub> max.	0.024 in	Radius of shaft or housing fillet

## Calculation data

Basic dynamic load rating	C	1 637 lbf
Basic static load rating	C <sub>0</sub>	697 lbf
Fatigue load limit	P <sub>u</sub>	30 lbf
Limiting speed		15 000 r/min

Minimum load factor	$k_r$	0.025
Calculation factor	$f_0$	12

## Mass

Mass bearing	0.08 lb
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## Tolerance class

Dimensional tolerances	P6
Radial run-out	P5

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