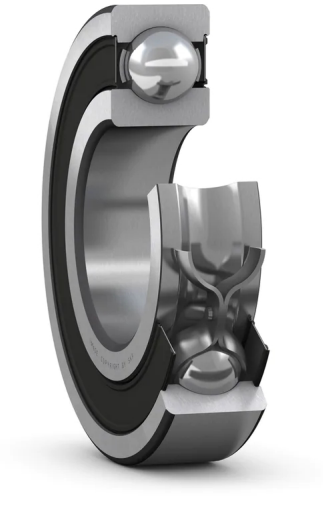


# 6208-2RS1

## Deep groove ball bearing with seals or shields

Single row deep groove ball bearings with seals or shields 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. 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	1.575 in
Outside diameter	3.15 in
Width	0.709 in

### Performance

Basic dynamic load rating	7 306 lbf
Basic static load rating	4 271 lbf
Limiting speed	5 600 r/min
SKF performance class	SKF Explorer

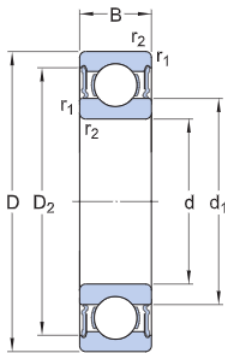
### Properties

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

# Technical Specification

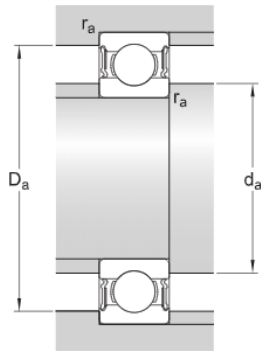
SKF performance class

SKF Explorer



## Dimensions

d	1.575 in	Bore diameter
D	3.15 in	Outside diameter
B	0.709 in	Width
d <sub>1</sub>	≈ 2.071 in	Shoulder diameter
D <sub>2</sub>	≈ 2.748 in	Recess diameter
r <sub>1,2</sub>	min. 0.043 in	Chamfer dimension



## Abutment dimensions

d <sub>a</sub> min.	1.85 in	Diameter of shaft abutment
d <sub>a</sub> max.	2.067 in	Diameter of shaft abutment
D <sub>a</sub> max.	2.874 in	Diameter of housing abutment
r <sub>a</sub> max.	0.039 in	Radius of shaft or housing fillet

## Calculation data

Basic dynamic load rating	C	7 306 lbf
Basic static load rating	C <sub>0</sub>	4 271 lbf
Fatigue load limit	P <sub>u</sub>	180 lbf
Limiting speed		5 600 r/min

Minimum load factor	$k_r$	0.025
Calculation factor	$f_0$	13.8

### Mass

Mass bearing	0.832 lb
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### Tolerance class

Dimensional tolerances	P6
Radial run-out	P6

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