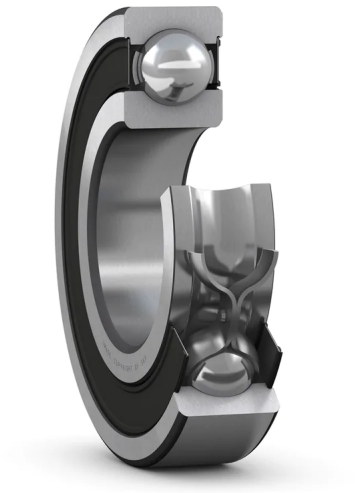


6320-2RS1

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	3.937 in
Outside diameter	8.465 in
Width	1.85 in

Performance

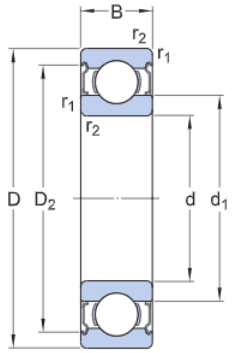
Basic dynamic load rating	39 117 lbf
Basic static load rating	31 473 lbf
Limiting speed	2 000 r/min

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

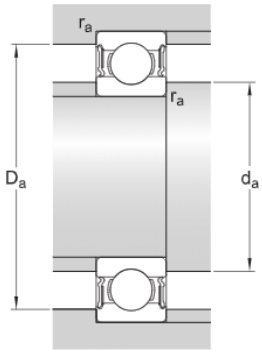
Technical Specification

Dimensions



d	3.937 in	Bore diameter
D	8.465 in	Outside diameter
B	1.85 in	Width
d_1	≈ 5.348 in	Shoulder diameter
D_2	≈ 7.236 in	Recess diameter
$r_{1,2}$	min. 0.118 in	Chamfer dimension

Abutment dimensions



d_a	min. 4.488 in	Diameter of shaft abutment
d_a	max. 5.35 in	Diameter of shaft abutment
D_a	max. 7.913 in	Diameter of housing abutment
r_a	max. 0.098 in	Radius of shaft or housing fillet

Calculation data

Basic dynamic load rating	C	39 117 lbf
Basic static load rating	C_0	31 473 lbf
Fatigue load limit	P_u	1 068 lbf
Limiting speed		2 000 r/min
Minimum load factor	k_r	0.03
Calculation factor	f_0	13.2

Mass

Mass bearing	15.876 lb

Tolerance class

Dimensional tolerances	Normal
Radial run-out	Normal

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