

W 6200-2RS1

Stainless steel deep groove ball bearing with integral sealing

Stainless steel single row deep groove ball bearing with seals or shields on both sides, provide greater chemical and corrosion resistance. As with deep groove ball bearings generally, they 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.

- Greater chemical and corrosion resistance
- Integral sealing prolongs bearing service life
- Typical benefits of single row deep groove ball bearings

Overview

Dimensions

Bore diameter	0.394 in
Outside diameter	1.181 in
Width	0.354 in

Performance

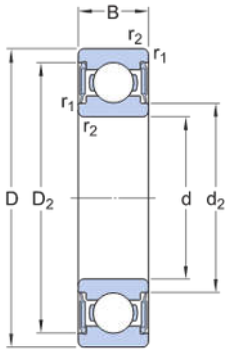
Basic dynamic load rating	980 lbf
Basic static load rating	522 lbf
Limiting speed	16 000 r/min

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
Material, bearing	Stainless steel
Coating	Without
Sealing	Seal on both sides
Sealing type	Contact
Lubricant	Grease
Relubrication feature	Without

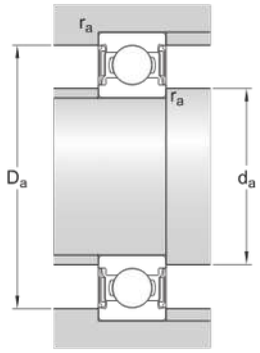
Technical Specification

Dimensions



d	0.394 in	Bore diameter
D	1.181 in	Outside diameter
B	0.354 in	Width
d_2	≈ 0.602 in	Recess diameter
D_2	≈ 0.995 in	Recess diameter
$r_{1,2}$	min. 0.024 in	Chamfer dimension

Abutment dimensions



d_a	min. 0.551 in	Diameter of shaft abutment
d_a	max. 0.591 in	Diameter of shaft abutment
D_a	max. 1.024 in	Diameter of housing abutment
r_a	max. 0.024 in	Radius of shaft or housing fillet

Calculation data

Basic dynamic load rating	C	980 lbf
Basic static load rating	C_0	522 lbf
Fatigue load limit	P_u	22 lbf
Limiting speed		16 000 r/min
Minimum load factor	k_r	0.03
Calculation factor	f_0	12.9

Mass

Mass bearing	0.067 lb

Tolerance class

Dimensional tolerances	Normal
Radial run-out	Normal

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