



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

W 6008

Stainless steel deep groove ball bearing

Stainless steel single row deep groove ball bearings 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 many other bearing types.

- Greater chemical and corrosion resistance
- 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	2.677 in
Width	0.591 in

Performance

Basic dynamic load rating	3 282 lbf
Basic static load rating	2 563 lbf
Reference speed	22 000 r/min
Limiting speed	14 000 r/min

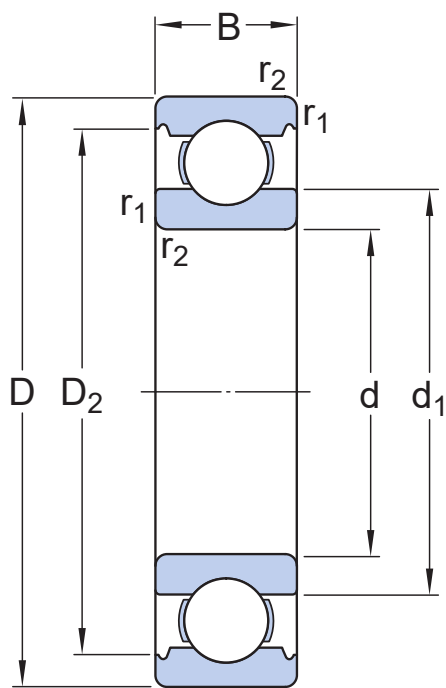
Properties

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	Without
Lubricant	None
Relubrication feature	Without

Logistics

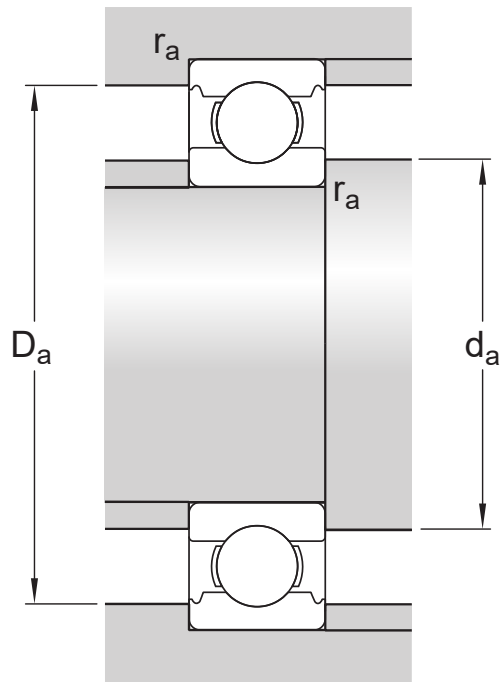
Product net weight	0.3728 lb
eClass code	23-05-08-01
UNSPSC code	31171504

Technical specification



Dimensions

d	1.575 in	Bore diameter
D	2.677 in	Outside diameter
B	0.591 in	Width
d ₁	≈ 1.937 in	Shoulder diameter
r _{1,2}	min. 0.039 in	Chamfer dimension



Abutment dimensions

d_a	min. 1.772 in	Diameter of shaft abutment
D_a	max. 2.5 in	Diameter of housing abutment
r_a	max. 0.039 in	Radius of shaft or housing fillet

Calculation data

Basic dynamic load rating	C	3 282 lbf
Basic static load rating	C_0	2 563 lbf
Fatigue load limit	P_u	110 lbf
Reference speed		22 000 r/min
Limiting speed		14 000 r/min

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS




- Tolerances: Normal (metric), P6, P5, Normal (inch)
- Radial internal clearance: Classes C2 to C5

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fits



More Information

 Product details	 Engineering information	 Tools
Single row deep groove ball bearings	Principles of rolling bearing selection	SKF Product select
Stainless steel deep groove ball bearings	General bearing knowledge	SimPro Quick
Single row deep groove ball bearings with filling slots	Bearing selection process	Bearing Frequency Calculator
Double row deep groove ball bearings	Bearing interfaces	LubeSelect for SKF greases
General bearing specifications	Seat tolerances for standard conditions	Heater selection tool
Loads	Selecting internal clearance	
Temperature limits	Lubrication	
Permissible speed	Sealing, mounting and dismounting	
Designation system	Bearing failure and how to prevent it	

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