



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

16034

Deep groove ball bearing

Single row deep groove ball bearings 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.

- Simple, versatile and robust design
- Low friction
- High-speed capability
- Accommodate radial and axial loads in both directions
- Require little maintenance

Overview

Dimensions

Bore diameter	6.693 in
Outside diameter	10.236 in
Width	1.102 in

Performance

Basic dynamic load rating	26 752 lbf
Basic static load rating	29 000 lbf
Reference speed	5 300 r/min
Limiting speed	3 200 r/min

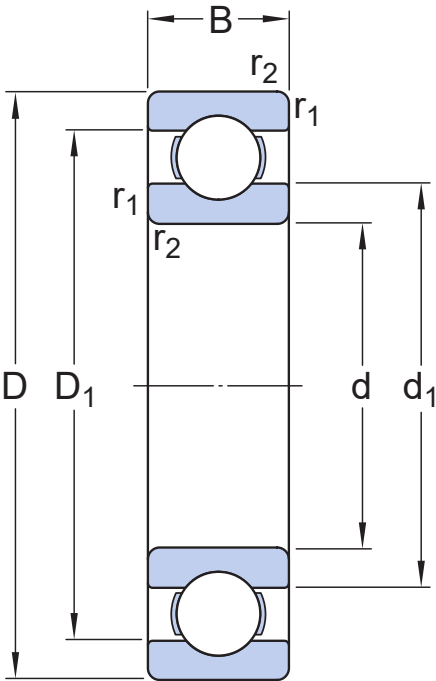
Properties

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	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without

Logistics

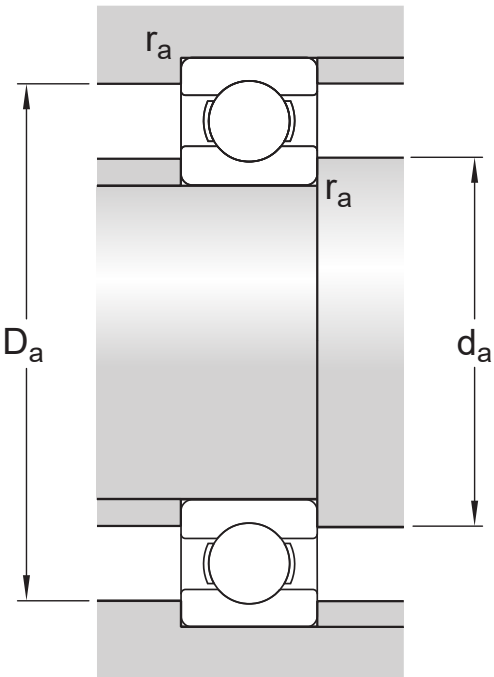
Product net weight	10.817 lb
eClass code	23-05-08-01
UNSPSC code	31171504

Technical specification



Dimensions

d	6.693 in	Bore diameter
D	10.236 in	Outside diameter
B	1.102 in	Width
d ₁	≈ 7.884 in	Shoulder diameter
D ₁	≈ 9.004 in	Shoulder diameter
r _{1,2}	min. 0.059 in	Chamfer dimension



Abutment dimensions

d _a	min. 6.969 in	Diameter of shaft abutment
D _a	max. 9.961 in	Diameter of housing abutment
r _a	max. 0.059 in	Radius of shaft or housing fillet

Calculation data

Basic dynamic load rating	C	26 752 lbf
Basic static load rating	C ₀	29 000 lbf
Fatigue load limit	P _u	843 lbf
Reference speed		5 300 r/min
Limiting speed		3 200 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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