

6332 M

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	160 mm
Outside diameter	340 mm
Width	68 mm

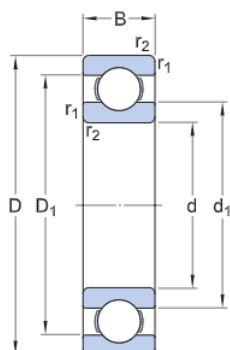
Performance

Basic dynamic load rating	276 kN
Basic static load rating	285 kN
Reference speed	4 000 r/min
Limiting speed	3 800 r/min

Properties

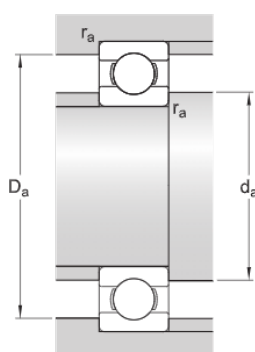
Filling slots	Without
Number of rows	1
Locating feature, bearing outer ring	None
Bore type	Cylindrical
Cage	Machined metal
Matched arrangement	No
Radial internal clearance	CN
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without

Technical Specification



Dimensions

d	160 mm	Bore diameter
D	340 mm	Outside diameter
B	68 mm	Width
d ₁	≈ 218.65 mm	Shoulder diameter
D ₁	≈ 280.7 mm	Shoulder diameter
r _{1,2}	min. 4 mm	Chamfer dimension



Abutment dimensions

d _a	min. 177 mm	Diameter of shaft abutment
D _a	max. 323 mm	Diameter of housing abutment
r _a	max. 3 mm	Radius of shaft or housing fillet

Calculation data

Basic dynamic load rating	C	276 kN
Basic static load rating	C ₀	285 kN
Fatigue load limit	P _u	7.65 kN
Reference speed		4 000 r/min
Limiting speed		3 800 r/min
Minimum load factor	k _r	0.03
Calculation factor	f ₀	13.9

Mass

Mass bearing	29.9 kg
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Tolerance class

Dimensional tolerances	Normal
Radial run-out	Normal

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