

6052 M



NOT FOUND

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	260 mm
Outside diameter	400 mm
Width	65 mm

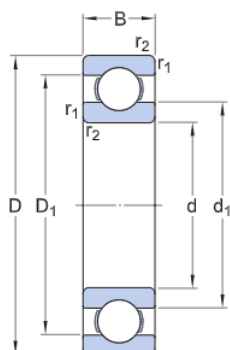
Performance

Basic dynamic load rating	291 kN
Basic static load rating	375 kN
Reference speed	3 200 r/min
Limiting speed	2 800 r/min

Properties

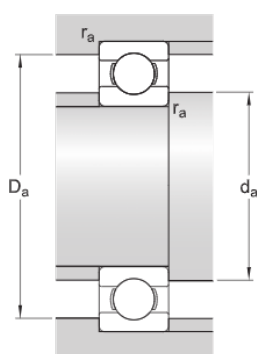
Filling slots	Without
Number of rows	1
Locating feature, bearing outer ring	None
Bore type	Cylindrical
Cage	Machined metal
Matched arrangement	No
Radial internal clearance	CN
Material, bearing	Bearing steel
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	Without

Technical Specification



Dimensions

d	260 mm	Bore diameter
D	400 mm	Outside diameter
B	65 mm	Width
d ₁	≈ 304.9 mm	Shoulder diameter
D ₁	≈ 355.05 mm	Shoulder diameter
r _{1,2}	min. 4 mm	Chamfer dimension



Abutment dimensions

d _a	min. 277 mm	Diameter of shaft abutment
D _a	max. 383 mm	Diameter of housing abutment
r _a	max. 3 mm	Radius of shaft or housing fillet

Calculation data

Basic dynamic load rating	C	291 kN
Basic static load rating	C ₀	375 kN
Fatigue load limit	P _u	8.8 kN
Reference speed		3 200 r/min
Limiting speed		2 800 r/min
Minimum load factor	k _r	0.025
Calculation factor	f ₀	15.8

Mass

Mass bearing	29 kg
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Tolerance class

Dimensional tolerances	Normal
Radial run-out	Normal

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