



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



#### 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	600 mm
Outside diameter	730 mm
Width	60 mm

## Performance

Basic dynamic load rating	364 kN
Basic static load rating	765 kN
Reference speed	1 500 r/min
Limiting speed	1 200 r/min

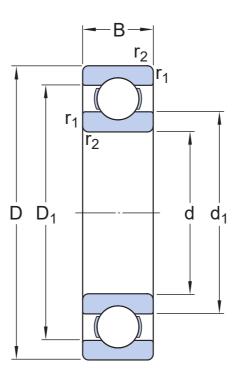
# Properties

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
Candidate for remanufacturing	Yes

# Logistics

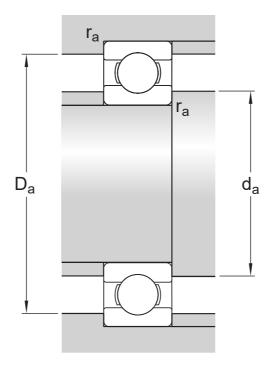
Product net weight	53.8 kg
eClass code	23-05-08-01
UNSPSC code	31171504

# Technical specification



## Dimensions

d	600 mm	Bore diameter
D	730 mm	Outside diameter
В	60 mm	Width
dı	≈ 642.1 mm	Shoulder diameter
D1	≈ 687.52 mm	Shoulder diameter
r <sub>1,2</sub>	min. 3 mm	Chamfer dimension
	Normal	ISO tolerance class for dimensions



## Abutment dimensions

da	min. 613 mm	Diameter of shaft abutment
Da	max. 717 mm	Diameter of housing abutment
٢a	max. 2.5 mm	Radius of shaft or housing fillet

## Calculation data

Basic dynamic load rating	С	364 kN
Basic static load rating	C <sub>0</sub>	765 kN
Fatigue load limit	Pu	12.5 kN
Reference speed		1 500 r/min
Limiting speed		1 200 r/min
Minimum load factor	k <sub>r</sub>	0.015
Calculation factor	f <sub>0</sub>	17.5

## Tolerances of run-out

ISO tolerance class for geometrical tolerances

Normal

### **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		SKF Product select
Stainless steel deep groove ball	Principles of rolling bearing selection	SimPro Quick
bearings	General bearing knowledge	Bearing Frequency Calculator
Single row deep groove ball bearings with filling slots	Bearing selection process	LubeSelect for SKF greases
Double row deep groove ball bearings	Bearing interfaces	Heater selection tool
General bearing specifications	Seat tolerances for standard conditions	
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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