

6209

- Popular item
- SKF Explorer

Deep groove ball bearings

Bearing data

Tolerances,

Normal (metric), P6, P5, Normal (inch),

Radial internal clearance,

Classes C2 to C5

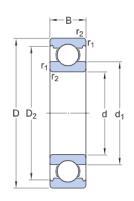
Bearing interfaces

Seat tolerances for standard

conditions,

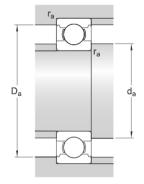
Tolerances and resultant fits

Technical specification



DIMENSIONS

		5
d	45 mm	Bore diameter
D	85 mm	Outside diameter
В	19 mm	Width
d_1	≈ 57.6 mm	Shoulder diameter
D_2	≈ 75.19 mm	Recess diameter
r _{1,2}	min. 1.1 mm	Chamfer dimension



ABUTMENT DIMENSIONS

d _e min. 52 mm	Diameter of shaft abutment
D; max. 78 mm	Diameter of housing abutment
r _a max. 1 mm	Radius of shaft or housing fillet



CALCULATION DATA

Basic dynamic load rating	С	35.1 kN
Basic static load rating	C_0	21.6 kN
Fatigue load limit	P_{u}	0.915 kN
Reference speed		17 000 r/min
Limiting speed		11 000 r/min
Minimum load factor	k _r	0.025
Calculation factor	f_0	14.2

MASS

Mass bearing	0.42 kg
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TOLERANCE CLASS

Dimensional to	lerances	P6
Radial run-out		P6





More information

Product details

Single row deep groove ball bearings

Stainless steel deep groove ball bearings

Single row deep groove ball bearings with filling slots

Double row deep groove ball bearings

Bearing data

Loads

Temperature limits

Permissible speed

Designation system

Engineering information

Principles of rolling bearing selection

General bearing knowledge

Bearing selection process

Bearing interfaces

Seat tolerances for standard conditions

Selecting internal clearance

Lubrication

Sealing, mounting and dismounting

Bearing failure and how to prevent it

Tools

Bearing Select

SimPro Quick

Engineering Calculator

LubeSelect for SKF greases

Heater selection tool

Rolling bearings mounting and dismounting instructions





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