

Technical specification

$D D_1 \qquad d d_1$

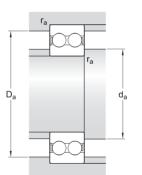


Deep groove ball bearings

Bearing data Tolerances, Normal (metric), P6, P5, Normal (inch), Radial internal clearance, Matched bearing pairs, Stainless steel d < 10 mm, Other bearings Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fits

DIMENSIONS

d	25 mm	Bore diameter
D	52 mm	Outside diameter
В	18 mm	Width
d ₁	≈ 34.2 mm	Shoulder diameter
D_1	≈ 42.8 mm	Shoulder diameter
r _{1,2}	min. 1 mm	Chamfer dimension



ABUTMENT DIMENSIONS

da	min.30.6 mm	Diameter of shaft abutment
Da	max.46.4 mm	Diameter of housing abutment
r _a	max. 1 mm	Radius of shaft or housing fillet



CALCULATION DATA

Basic dynamic load rating	С	19 kN
Basic static load rating	C ₀	14.6 kN
Fatigue load limit	Pu	0.62 kN
Reference speed		20 000 r/min
Limiting speed		11 000 r/min
Minimum load factor	k _r	0.05
Calculation factor	f ₀	14.3

MASS

Mass bearing 0.2	
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TOLERANCE CLASS

Dimensional tolerances	Normal
Radial run-out	Normal



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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