

6003-2Z

- Popular item
- SKF Explorer

Deep groove ball bearings

Bearing data

Tolerances,

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

Radial internal clearance,

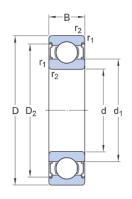
 $\label{eq:matched_pairs} \begin{tabular}{ll} Matched bearing pairs, Stainless steel \\ d < 10 mm, Other bearings \end{tabular}$

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fits

Technical specification

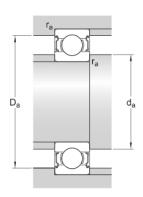


DIMENSIONS

d	17 mm	Bore diameter
D	35 mm	Outside diameter
В	10 mm	Width
d1	≈23 mm	Shoulder diameter
D2	≈31.2 mm	Recess diameter
r1,2	min.0.3 mm	Chamfer dimension

ABUTMENT DIMENSIONS

min.19 da mm	Diameter of shaft abutment
max.22.9 da mm	Diameter of shaft abutment
max.33 Da mm	Diameter of housing abutment
max.0.3 ra mm	Radius of shaft or housing fillet





CALCULATION DATA

Basic dynamic load rating	С	6.37 kN
Basic static load rating	C_0	3.25 kN
Fatigue load limit	P_{u}	0.137 kN
Reference speed		45 000 r/min
Limiting speed		22 000 r/min
Minimum load factor	k _r	0.025
Calculation factor	f_0	14

MASS

Mass bearing	0.041 kg
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TOLERANCE CLASS

Dimensional tolerances	P6
Radial run-out	P5





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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