

Technical specification

6003/VA201

Deep groove ball bearings, single row, for high temperature applications

Bearing data, Design considerations Bearing interfaces

Tolerances and resultant fit

Tolerances,

Normal,

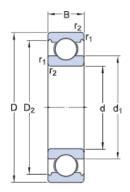
Radial internal clearance,

table,

Location of bearings,

fits

Running in required Yes



DIMENSIONS

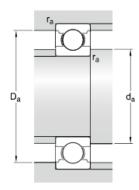
d	17 mm
D	35 mm
В	10 mm
d_1	≈ 23 mm
D_2	≈ 31.2 mm
r _{1,2}	min. 0.3 mm

ABUTMENT DIMENSIONS

d_a	min. 19 mm
D_a	max. 33 mm
r _a	max. 0.3 mm







CALCULATION DATA

Basic dynamic load rating	С	6.37 kN
Basic static load rating	C_0	3.25 kN
Limiting speed		170 r/min
Limiting temperature	Т	max. 250 °C

MASS

Mass bearing	0.038 kg
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5KF.



Product details

Deep groove ball bearings for high temperature applications

Insert bearings and ball bearing units for high temperature applications

Bearing data

Loads and selecting bearing size

Design considerations

Relubrication and running in

Mounting

Designation system

Engineering information

Principles of rolling bearing selection

General bearing knowledge

Bearing selection process

Bearing interfaces

Seat tolerances for standard conditions

Sealing, mounting and dismounting

Bearing failure and how to prevent it

Tools

Engineering Calculator

SimPro Quick

Heater selection tool

Rolling bearings mounting and dismounting instructions





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