



## 6004/VA201

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

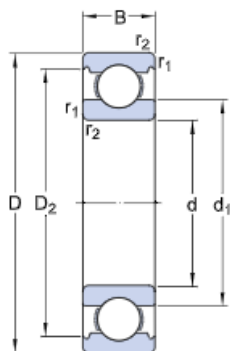
Bearing data, Design considerations  
[Tolerances](#),  
 Normal,  
[Radial internal clearance](#),  
 table,  
[Location of bearings](#),  
 fits

Bearing interfaces  
[Tolerances and resultant fit](#)

### Technical specification

Running in required

Yes

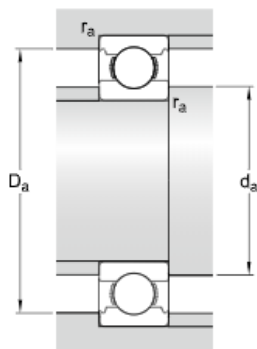


### DIMENSIONS

d	20 mm
D	42 mm
B	12 mm
d <sub>1</sub>	≈ 27.2 mm
D <sub>2</sub>	≈ 37.19 mm
r <sub>1,2</sub>	min. 0.6 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 23.2 mm
D <sub>a</sub>	max. 38.8 mm
r <sub>a</sub>	max. 0.6 mm



## CALCULATION DATA

Basic dynamic load rating	C	9.95 kN
Basic static load rating	$C_0$	5 kN
Limiting speed		140 r/min
Limiting temperature	T	max. 250 °C

## MASS

Mass bearing		0.067 kg
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## Product details

[Deep groove ball bearings for high temperature applications](#)

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[Insert bearings and ball bearing units for high temperature applications](#)

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[Bearing data](#)

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[Loads and selecting bearing size](#)

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[Design considerations](#)

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[Relubrication and running in](#)

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[Mounting](#)

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[Designation system](#)

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## Engineering information

[Principles of rolling bearing selection](#)

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[General bearing knowledge](#)

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[Bearing selection process](#)

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[Bearing interfaces](#)

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[Seat tolerances for standard conditions](#)

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[Sealing, mounting and dismounting](#)

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[Bearing failure and how to prevent it](#)

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## Tools

[Engineering Calculator](#)

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[SimPro Quick](#)

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[Heater selection tool](#)

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[Rolling bearings mounting and dismounting instructions](#)

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