6004-2Z/VA208

Popular item

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

Bearing data, Design considerations

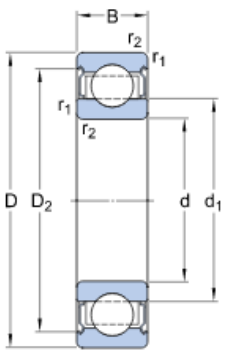
Tolerances,
Normal,
Radial internal clearance,
table,
Location of bearings,
fits

Bearing interfaces

Tolerances and resultant fit

Technical specification

Running in required	No

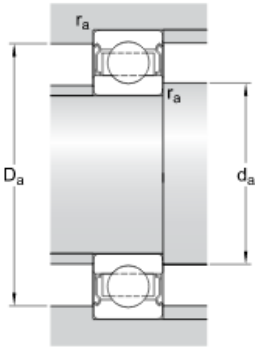


DIMENSIONS

d	20 mm
D	42 mm
B	12 mm
d_1	≈ 27.2 mm
D_2	≈ 37.19 mm
$r_{1,2}$	min. 0.6 mm

ABUTMENT DIMENSIONS

d_a	min. 23.2 mm
d_a	max. 27.1 mm
D_a	max. 38.8 mm
r_a	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. 350 °C

MASS

Mass bearing	0.071 kg

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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