



6005-2Z/VA201

Popular item

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

Bearing data, Design considerations

Bearing interfaces

[Tolerances,](#)

[Tolerances and resultant fit](#)

Normal,

[Radial internal clearance,](#)

table,

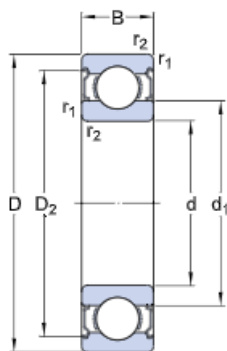
[Location of bearings,](#)

fits

Technical specification

Running in required

Yes

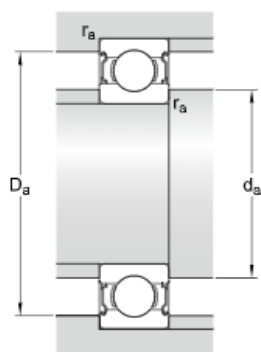


DIMENSIONS

d	25 mm
D	47 mm
B	12 mm
d ₁	≈ 32 mm
D ₂	≈ 42.2 mm
r _{1,2}	min. 0.6 mm

ABUTMENT DIMENSIONS

d _a	min. 28.2 mm
d _a	max. 31.9 mm
D _a	max. 43.8 mm
r _a	max. 0.6 mm



CALCULATION DATA

Basic dynamic load rating	C	11.9 kN
Basic static load rating	C_0	6.55 kN
Limiting speed		120 r/min
Limiting temperature	T	max. 250 °C

MASS

Mass bearing		0.083 kg
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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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