

# 6004-2RSLTN9/HC5C3WT

## Hybrid deep groove ball bearings, single row

Hybrid deep groove ball bearings, single row

Bearing data

[Tolerances,](#)

Normal,

[Radial internal clearance,](#)

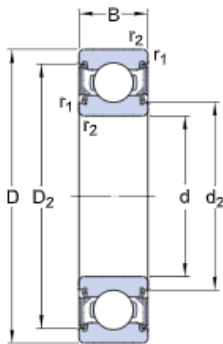
table

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

## Technical specification

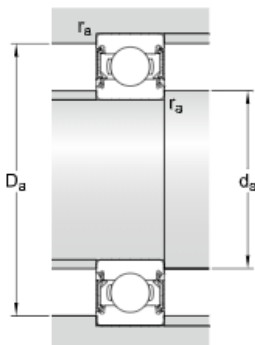


### DIMENSIONS

d	20 mm
D	42 mm
B	12 mm
d <sub>2</sub>	≈ 24.9 mm
D <sub>2</sub>	≈ 37.2 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. 24.5 mm
D <sub>a</sub>	max. 38.8 mm
r <sub>a</sub>	max. 0.3 mm



## CALCULATION DATA

Basic dynamic load rating	C	9.36 kN
Basic static load rating	C <sub>0</sub>	5 kN
Fatigue load limit	P <sub>u</sub>	0.156 kN
Reference speed		43 000 r/min
Limiting speed		19 000 r/min
Calculation factor	k <sub>r</sub>	0.025
Calculation factor	f <sub>0</sub>	13.8

## MASS

Mass bearing		0.062 kg
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## Product details

[Hybrid deep groove ball bearings](#)

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[Hybrid cylindrical roller bearings](#)

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[Selecting bearing size](#)

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[Bearing data](#)

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[Loads](#)

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[Temperature limits](#)

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[Permissible speed](#)

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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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[Selecting internal clearance](#)

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[Lubrication](#)

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[External sealing, mounting and dismounting](#)

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

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## Tools

[Bearing Select](#)

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[Engineering Calculator](#)

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[SimPro Quick](#)

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[LubeSelect for SKF greases](#)

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[Heater selection tool](#)

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[Rolling bearings mounting and dismounting instructions](#)

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