



## 6000-2RSLTN9/HC5C3WT

### Hybrid deep groove ball bearings, single row

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#### Bearing data

Tolerances,

Normal,

Radial internal clearance,

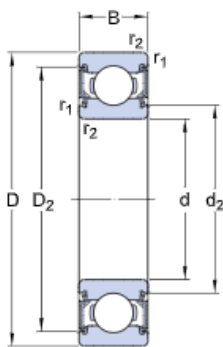
table

#### Bearing interfaces

Seat tolerances for standard  
conditions,

Tolerances and resultant fit

## Technical specification

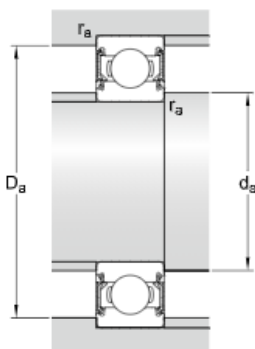


### DIMENSIONS

d	10 mm
D	26 mm
B	8 mm
d <sub>2</sub>	≈ 13 mm
D <sub>2</sub>	≈ 22.6 mm
r <sub>1,2</sub>	min. 0.3 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 12 mm
d <sub>a</sub>	max. 12.5 mm
D <sub>a</sub>	max. 24 mm
r <sub>a</sub>	max. 0.3 mm



## CALCULATION DATA

Basic dynamic load rating	C	4.62 kN
Basic static load rating	$C_0$	1.96 kN
Fatigue load limit	$P_u$	0.061 kN
Reference speed		70 000 r/min
Limiting speed		34 000 r/min
Calculation factor	$k_r$	0.025
Calculation factor	$f_0$	12.4

## MASS

Mass bearing		0.018 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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