

# 6005-2RSLTN9/HC5C3WT

Popular item

## Hybrid deep groove ball bearings, single row

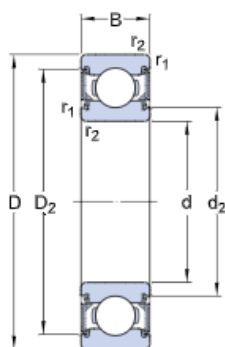
### Bearing data

[Tolerances](#),  
Normal,  
[Radial internal clearance](#),  
table

### Bearing interfaces

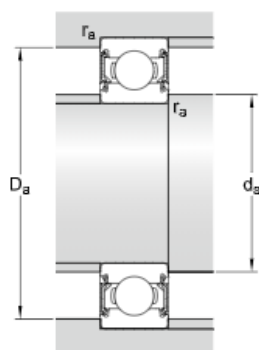
[Seat tolerances for standard conditions](#),  
[Tolerances and resultant fit](#)

## Technical specification



### DIMENSIONS

d	25 mm
D	47 mm
B	12 mm
d <sub>2</sub>	≈ 29.7 mm
D <sub>2</sub>	≈ 42.2 mm
r <sub>1,2</sub>	min. 0.6 mm



### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 28.2 mm
d <sub>a</sub>	max. 29.5 mm
D <sub>a</sub>	max. 43.8 mm
r <sub>a</sub>	max. 0.3 mm

## CALCULATION DATA

Basic dynamic load rating	$C$	11.2 kN
Basic static load rating	$C_0$	6.55 kN
Fatigue load limit	$P_u$	0.2 kN
Reference speed		36 000 r/min
Limiting speed		16 000 r/min
Calculation factor	$k_r$	0.025
Calculation factor	$f_0$	14.3

## MASS

Mass bearing	0.073 kg
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## Product details

[Hybrid deep groove ball bearings](#)

[Hybrid cylindrical roller bearings](#)

[Selecting bearing size](#)

[Bearing data](#)

[Loads](#)

[Temperature limits](#)

[Permissible speed](#)

[Designation system](#)

## Engineering information

[Principles of rolling bearing selection](#)

[General bearing knowledge](#)

[Bearing selection process](#)

[Bearing interfaces](#)

[Seat tolerances for standard conditions](#)

[Selecting internal clearance](#)

[Lubrication](#)

[External sealing, mounting and dismounting](#)

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

## Tools

[Bearing Select](#)

[Engineering Calculator](#)

[SimPro Quick](#)

[LubeSelect for SKF greases](#)

[Heater selection tool](#)

[Rolling bearings mounting and dismounting instructions](#)

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