



# 6312-2RS1/HC5C3WT

Popular item

## Hybrid deep groove ball bearings, single row

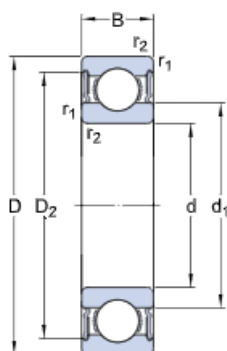
### Bearing data

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

### Bearing interfaces

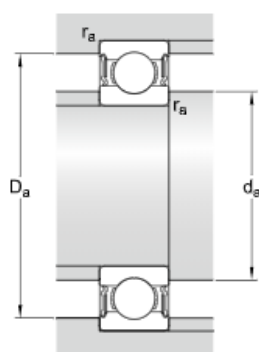
[Seat tolerances for standard conditions](#),  
[Tolerances and resultant fit](#)

## Technical specification



### DIMENSIONS

d	60 mm
D	130 mm
B	31 mm
d <sub>1</sub>	≈ 81.86 mm
D <sub>2</sub>	≈ 112 mm
r <sub>1,2</sub>	min. 2.1 mm



### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 72 mm
D <sub>a</sub>	max. 118 mm
r <sub>a</sub>	max. 2 mm

## CALCULATION DATA

Basic dynamic load rating	C	81.9 kN
Basic static load rating	C <sub>0</sub>	52 kN
Fatigue load limit	P <sub>u</sub>	1.6 kN
Limiting speed		3 400 r/min
Calculation factor	k <sub>r</sub>	0.03
Calculation factor	f <sub>0</sub>	13.1

## MASS

Mass bearing	1.77 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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