



6003-2RSLTN9/HC5C3WT

Popular item

Hybrid deep groove ball bearings, single row

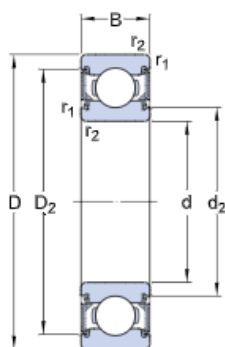
Bearing data

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

Bearing interfaces

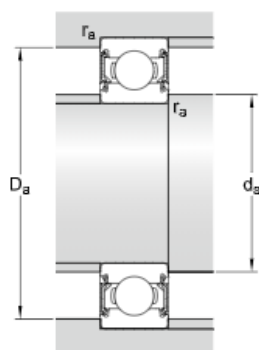
[Seat tolerances for standard conditions](#),
[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

d	17 mm
D	35 mm
B	10 mm
d ₂	≈ 20.7 mm
D ₂	≈ 31.4 mm
r _{1,2}	min. 0.3 mm



ABUTMENT DIMENSIONS

d _a	min. 19 mm
d _a	max. 20.5 mm
D _a	max. 33 mm
r _a	max. 0.3 mm

CALCULATION DATA

Basic dynamic load rating	C	6.05 kN
Basic static load rating	C_0	3.25 kN
Fatigue load limit	P_u	0.1 kN
Reference speed		50 000 r/min
Limiting speed		22 000 r/min
Calculation factor	k_r	0.025
Calculation factor	f_0	14.4

MASS

Mass bearing	0.038 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](#)

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[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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