



6310/HC5C3

Hybrid deep groove ball bearings, single row

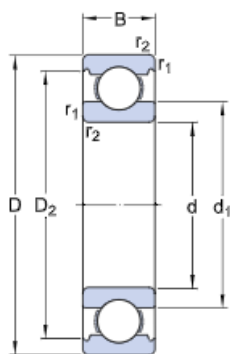
Bearing data

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

Bearing interfaces

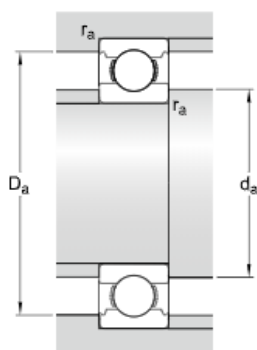
[Seat tolerances for standard conditions](#),
[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

d	50 mm
D	110 mm
B	27 mm
d ₁	≈ 68.76 mm
D ₂	≈ 95.2 mm
r _{1,2}	min. 2 mm



ABUTMENT DIMENSIONS

d _a	min. 61 mm
D _a	max. 99 mm
r _a	max. 2 mm

CALCULATION DATA

Basic dynamic load rating	C	61.8 kN
Basic static load rating	C_0	38 kN
Fatigue load limit	P_u	1.18 kN
Reference speed		16 000 r/min
Limiting speed		10 000 r/min
Calculation factor	k_r	0.03
Calculation factor	f_0	13

MASS

Mass bearing	1.08 kg
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Product details

[Hybrid deep groove ball bearings](#)

[Hybrid cylindrical roller bearings](#)

[Selecting bearing size](#)

[Bearing data](#)

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[Permissible speed](#)

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[Engineering Calculator](#)

[SimPro Quick](#)

[LubeSelect for SKF greases](#)

[Heater selection tool](#)

[Rolling bearings mounting and dismounting instructions](#)

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