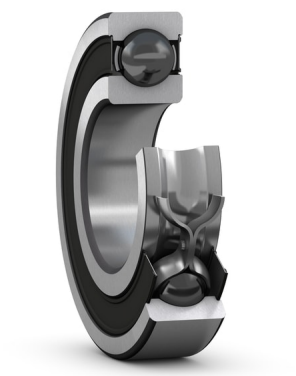


6311-2RS1/HC5C3WT

- Popular item

Hybrid deep groove ball bearings, single row

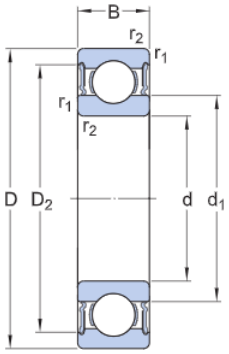
Bearing data

Tolerances,
Normal,
Radial internal clearance,
table

Bearing interfaces

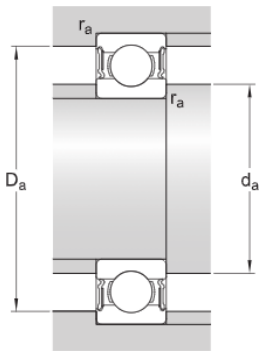
Seat tolerances for standard conditions,
Tolerances and resultant fit

Technical specification



DIMENSIONS

d	55 mm	Bore diameter
D	120 mm	Outside diameter
B	29 mm	Width
d1	≈75.34 mm	Shoulder diameter inner ring
D2	≈104 mm	Recess diameter outer ring shoulder
r1,2	min.2 mm	Chamfer dimension



ABUTMENT DIMENSIONS

da	min.66 mm	Abutment diameter shaft
Da	max.109 mm	Abutment diameter housing
ra	max.2 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	71.5 kN
Basic static load rating	C_0	45 kN
Fatigue load limit	P_u	1.37 kN
Limiting speed		3 800 r/min
Calculation factor	k_r	0.03
Calculation factor	f_0	13.1

MASS

Mass bearing	1.41 kg

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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