



6220/C3VL0241

Popular item

INSOCOAT deep groove ball bearings, single row

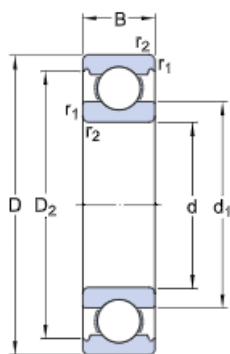
Bearing data

[Tolerances](#),
Normal, P6, P5,
[Radial internal clearance](#),
table

Bearing interfaces

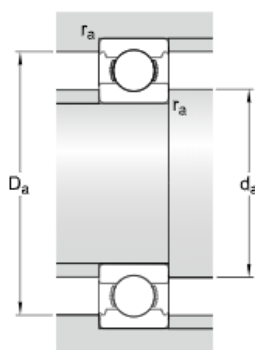
[Seat tolerances for standard conditions](#),
[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

d	100 mm
D	180 mm
B	34 mm
d ₁	≈ 124.8 mm
D ₂	≈ 160 mm
r _{1,2}	min. 2.1 mm



ABUTMENT DIMENSIONS

d _a	min. 112 mm
D _a	min. 165 mm
D _a	max. 168 mm
r _a	max. 2 mm

CALCULATION DATA

Basic dynamic load rating	C	127 kN
Basic static load rating	C ₀	93 kN
Fatigue load limit	P _u	3.35 kN
Reference speed		7 500 r/min
Limiting speed		4 800 r/min
Calculation factor	k _r	0.025
Calculation factor	f ₀	14.4

MASS

Mass bearing	3.15 kg
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More information

Product details	Engineering information	Tools
Designs and variants	Principles of rolling bearing selection	Bearing Select
Bearing data	General bearing knowledge	Engineering Calculator
Loads	Bearing selection process	SimPro Quick
Temperature limits	Bearing interfaces	LubeSelect for SKF greases
Permissible speed	Seat tolerances for standard conditions	Heater selection tool
Design considerations	Selecting internal clearance	Rolling bearings mounting and dismounting instructions
Mounting	Lubrication	
Designation system	External sealing, mounting and dismounting	
	Bearing failure and how to prevent it	

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