



6318/C3VL0241

Popular item

INSOCOAT deep groove ball bearings, single row

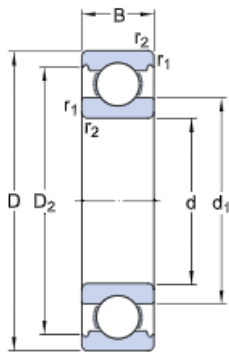
Bearing data

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

Bearing interfaces

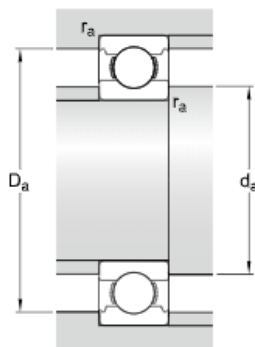
[Seat tolerances for standard
conditions](#),
[Tolerances and resultant fit
table](#)

Technical specification



DIMENSIONS

d	90 mm
D	190 mm
B	43 mm
d_1	≈ 121.15 mm
D_2	≈ 166 mm
$r_{1,2}$	min. 3 mm



ABUTMENT DIMENSIONS

d_a	min. 104 mm
D_a	min. 171 mm
D_a	max. 176 mm
r_a	max. 2.5 mm

CALCULATION DATA

Basic dynamic load rating	C	151 kN
Basic static load rating	C_0	108 kN
Fatigue load limit	P_u	3.8 kN
Reference speed		7 500 r/min
Limiting speed		4 800 r/min
Calculation factor	k_r	0.03
Calculation factor	f_0	13.3

MASS

Mass bearing		4.9 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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