



6317 M/C3VL0241

- Popular item

INSOCOAT deep groove ball bearings, single row

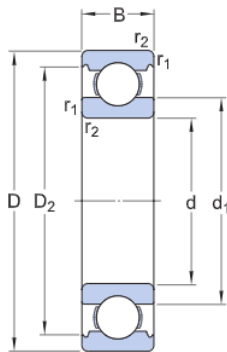
Bearing data

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

Bearing interfaces

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

Technical specification

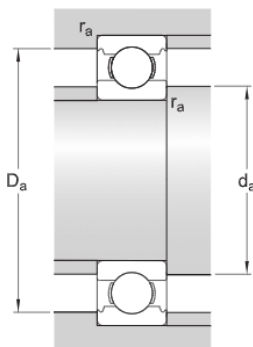


DIMENSIONS

d	85 mm	Bore diameter
D	180 mm	Outside diameter
B	41 mm	Width
d1	≈114.55 mm	Shoulder diameter inner ring
D ₂	≈ 158 mm	Recess diameter outer ring shoulder
r _{1,2}	min. 3 mm	Chamfer dimension

ABUTMENT DIMENSIONS

d _a	min. 99 mm	Abutment diameter shaft
D _a	min.163 mm	Abutment diameter shaft
D _a	max.166 mm	Abutment diameter housing
r _a	max.2.5 mm	Fillet radius



CALCULATION DATA

Basic dynamic load rating	C	140 kN
Basic static load rating	C ₀	96.5 kN
Fatigue load limit	P _u	3.55 kN
Reference speed		8 000 r/min
Limiting speed		7 500 r/min
Calculation factor	k _r	0.03
Calculation factor	f ₀	13.3

MASS

Mass bearing		4.79 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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