



# 6215/C3VL0241

Popular item

## INSOCOAT deep groove ball bearings, single row

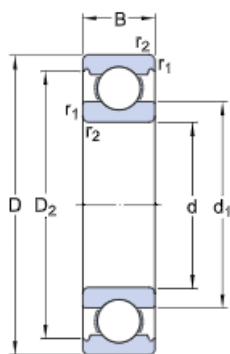
### Bearing data

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

### Bearing interfaces

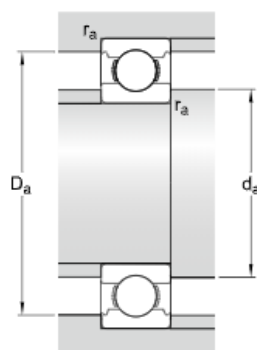
[Seat tolerances for standard  
conditions](#),  
[Tolerances and resultant fit  
table](#)

## Technical specification



### DIMENSIONS

d	75 mm
D	130 mm
B	25 mm
d <sub>1</sub>	≈ 92.05 mm
D <sub>2</sub>	≈ 118 mm
r <sub>1,2</sub>	min. 1.5 mm



### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 84 mm
D <sub>a</sub>	min. 121 mm
D <sub>a</sub>	max. 121 mm
r <sub>a</sub>	max. 1.5 mm

## CALCULATION DATA

Basic dynamic load rating	$C$	68.9 kN
Basic static load rating	$C_0$	49 kN
Fatigue load limit	$P_u$	2.04 kN
Reference speed		10 000 r/min
Limiting speed		6 700 r/min
Calculation factor	$k_r$	0.03
Calculation factor	$f_0$	14.7

## MASS

Mass bearing	1.2 kg
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## More information

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

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