



# 313 NR

## Deep groove ball bearings

### Bearing data

#### Tolerances,

Normal (metric), P6, P5, Normal (inch),

#### Radial internal clearance,

Matched bearing pairs, Stainless steel

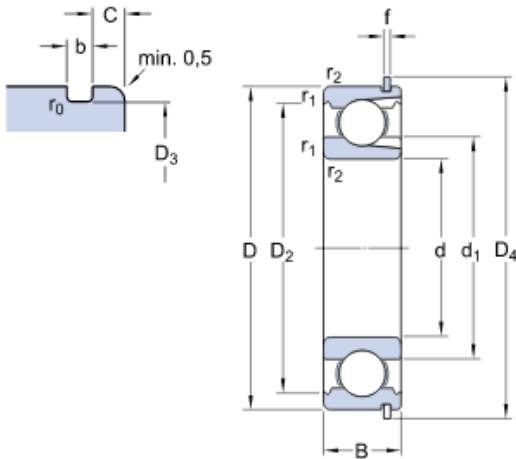
$d < 10$  mm, Other bearings

### Bearing interfaces

#### Seat tolerances for standard conditions,

#### Tolerances and resultant fits

## Technical specification

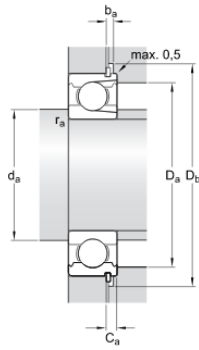


## DIMENSIONS

$d$	65 mm
$D$	140 mm
$B$	33 mm
$d_1$	≈ 88.35 mm
$D_2$	≈ 121.3 mm
$D_3$	135.23 mm
$D_4$	149.7 mm
$b$	3.1 mm
$C$	4.9 mm
$f$	2.82 mm
$r_0$	max. 0.6 mm
$r_{1,2}$	min. 2.1 mm

## ABUTMENT DIMENSIONS

$d_a$	min. 77 mm
$D_a$	max. 128 mm
$D_b$	min. 151 mm
$b_a$	min. 3.5 mm
$C_a$	max. 7.72 mm



$r_a$

max. 2 mm

### CALCULATION DATA

Basic dynamic load rating	C	102 kN
Basic static load rating	$C_0$	90 kN
Fatigue load limit	$P_u$	3.75 kN
Reference speed		9000 r/min
Limiting speed		5300 r/min
Calculation factor	$k_f$	0.05

### MASS

Mass bearing	2.3 kg
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### INCLUDED PRODUCTS

Snap ring	SP 140
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More information

Product details	Product details	Engineering information	Engineering information	Tools	Tools
<a href="#">Single row deep groove ball bearings Stainless steel deep groove ball bearings Single row deep groove ball bearings with filling slots Double row deep groove ball bearings Bearing data</a>	<a href="#">Single row deep groove ball bearings Stainless steel deep groove ball bearings Single row deep groove ball bearings with filling slots Double row deep groove ball bearings Bearing data</a>	<a href="#">Principles of rolling bearing selection General bearing knowledge</a>	<a href="#">Principles of rolling bearing selection General bearing knowledge</a>	<a href="#">Bearing Select</a>	<a href="#">Bearing Select</a>
		<a href="#">Bearing selection process</a>	<a href="#">Bearing selection process</a>	<a href="#">SimPro Quick</a>	<a href="#">SimPro Quick</a>
		<a href="#">Bearing interfaces</a>	<a href="#">Bearing interfaces</a>	<a href="#">Engineering Calculator</a>	<a href="#">Engineering Calculator</a>
		<a href="#">Seat tolerances for standard condition</a>	<a href="#">Seat tolerances for standard condition</a>	<a href="#">LubeSelect for SKF greases</a>	<a href="#">LubeSelect for SKF greases</a>
		<a href="#">Selecting internal clearance</a>	<a href="#">Selecting internal clearance</a>	<a href="#">Heater selection tool</a>	<a href="#">Heater selection tool</a>
		<a href="#">Lubrication</a>	<a href="#">Lubrication</a>	<a href="#">Rolling bearings mounting and dismounting instructions</a>	<a href="#">Rolling bearings mounting and dismounting instructions</a>
		<a href="#">Sealing, mounting and dismounting</a>	<a href="#">Sealing, mounting and dismounting</a>		
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<a href="#">Loads</a>	<a href="#">Loads</a>				
<a href="#">Temperature limits</a>	<a href="#">Temperature limits</a>				
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<a href="#">Designation system</a>	<a href="#">Designation system</a>				

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