



## 210 NR

### Deep groove ball bearings

#### Bearing data

##### Tolerances,

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

##### Radial internal clearance,

Matched bearing pairs, Stainless steel

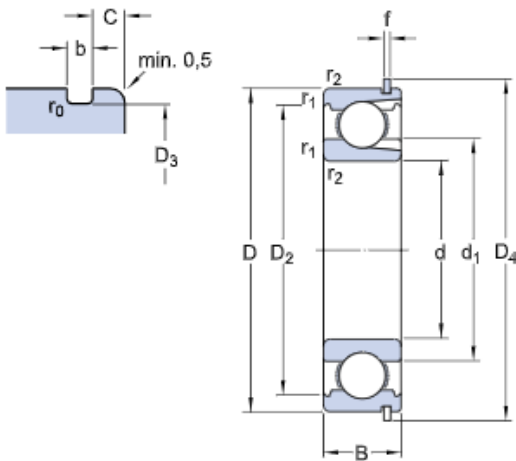
$d < 10$  mm, Other bearings

#### Bearing interfaces

##### Seat tolerances for standard conditions,

##### Tolerances and resultant fits

### Technical specification

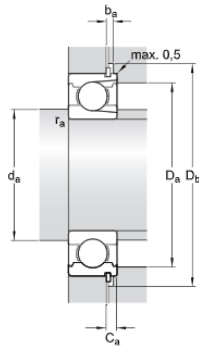


#### DIMENSIONS

$d$	50 mm
$D$	90 mm
$B$	20 mm
$d_1$	≈ 62.51 mm
$D_2$	≈ 81.61 mm
$D_3$	86.79 mm
$D_4$	96.5 mm
$b$	2.7 mm
$C$	3.28 mm
$f$	2.46 mm
$r_0$	max. 0.6 mm
$r_{1,2}$	min. 1.1 mm

#### ABUTMENT DIMENSIONS

$d_a$	min. 57 mm
$D_a$	max. 83 mm
$D_b$	min. 98 mm
$b_a$	min. 3 mm
$C_a$	max. 5.74 mm



$r_a$

max. 1 mm

CALCULATION DATA

Basic dynamic load rating	C	39.1 kN
Basic static load rating	$C_0$	34.5 kN
Fatigue load limit	$P_u$	1.46 kN
Reference speed		13 000 r/min
Limiting speed		8 000 r/min
Calculation factor	$k_r$	0.04

MASS

Mass bearing	0.5 kg
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INCLUDED PRODUCTS

Snap ring	SP 90
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## More information

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

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