



# 217 NR

## Deep groove ball bearings

### Bearing data

#### Tolerances,

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

#### Radial internal clearance,

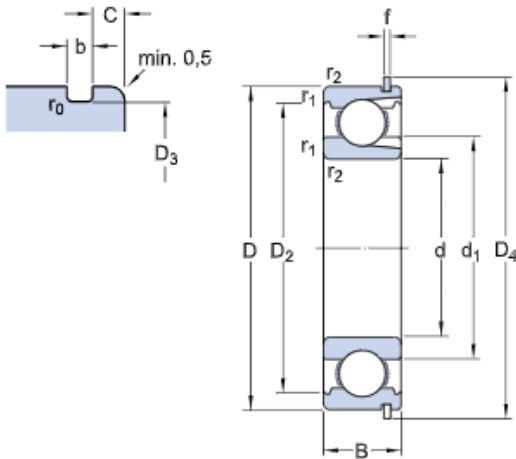
Matched bearing pairs, Stainless steel  
 $d < 10$  mm, Other bearings

### Bearing interfaces

#### Seat tolerances for standard conditions,

#### Tolerances and resultant fits

## Technical specification

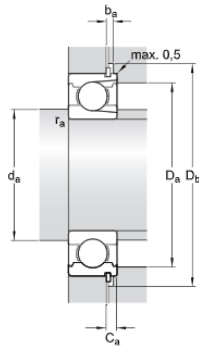


## DIMENSIONS

d	85 mm
D	150 mm
B	28 mm
$d_1$	≈ 104.32 mm
$D_2$	≈ 134.3 mm
$D_3$	145.24 mm
$D_4$	159.7 mm
b	3.1 mm
C	4.9 mm
f	2.82 mm
$r_0$	max. 0.6 mm
$r_{1,2}$	min. 2 mm

## ABUTMENT DIMENSIONS

$d_a$	min. 96 mm
$D_a$	max. 139 mm
$D_b$	min. 162 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	96.8 kN
Basic static load rating	$C_0$	100 kN
Fatigue load limit	$P_u$	3.9 kN
Reference speed		7 500 r/min
Limiting speed		4 800 r/min
Calculation factor	$k_r$	0.04

### MASS

Mass bearing	1.95 kg
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### INCLUDED PRODUCTS

Snap ring	SP 150
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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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