



# 6203 NR

SKF Explorer

## Deep groove ball bearings

### Bearing data

[Tolerances](#),

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

[Radial internal clearance](#),

Matched bearing pairs, Stainless steel

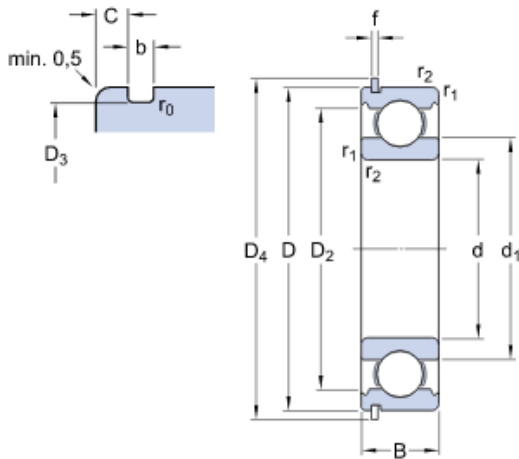
$d < 10$  mm, Other bearings

### Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fits](#)

## Technical specification

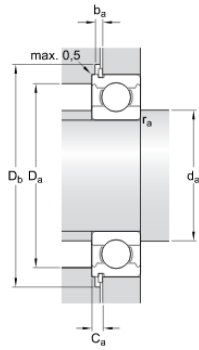


## DIMENSIONS

$d$	17 mm
$D$	40 mm
$B$	12 mm
$d_1$	≈ 24.5 mm
$D_2$	≈ 34.98 mm
$D_3$	38.1 mm
$D_4$	44.6 mm
$b$	1.35 mm
$C$	2.06 mm
$f$	1.12 mm
$r_0$	max. 0.4 mm
$r_{1,2}$	min. 0.6 mm

## ABUTMENT DIMENSIONS

$d_a$	min. 21.2 mm
$D_a$	max. 35.8 mm
$D_b$	min. 46 mm
$b_a$	min. 1.5 mm
$C_a$	max. 3.18 mm

 $r_a$ 

max. 0.6 mm

## CALCULATION DATA

Basic dynamic load rating	C	9.95 kN
Basic static load rating	$C_0$	4.75 kN
Fatigue load limit	$P_u$	0.2 kN
Reference speed		38000 r/min
Limiting speed		24000 r/min
Calculation factor	$k_r$	0.025
Calculation factor	$f_0$	13

## MASS

Mass bearing	0.065 kg
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## INCLUDED PRODUCTS

Snap ring	SP 40
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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="#">Loads</a>	<a href="#">Loads</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="#">Temperature limits</a>	<a href="#">Temperature limits</a>	<a href="#">Sealing, mounting and dismounting</a>	<a href="#">Sealing, mounting and dismounting</a>		
<a href="#">Permissible speed</a>	<a href="#">Permissible speed</a>	<a href="#">Bearing failure and how to prevent it</a>	<a href="#">Bearing failure and how to prevent it</a>		
<a href="#">Designation system</a>	<a href="#">Designation system</a>				

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