



# 6218 NR

SKF Explorer

## Deep groove ball bearings

### Bearing data

[Tolerances](#),

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

[Radial internal clearance](#),

Matched bearing pairs, Stainless steel

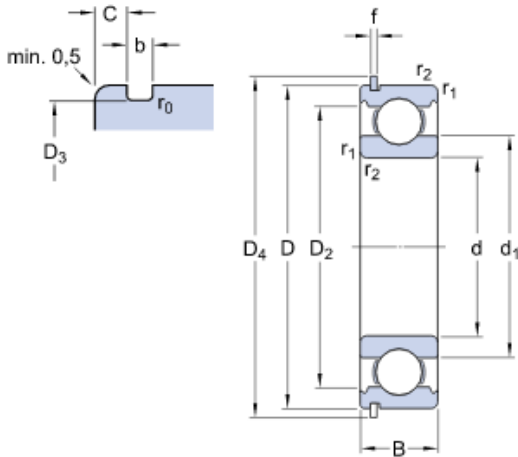
$d < 10$  mm, Other bearings

### Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fits](#)

## Technical specification

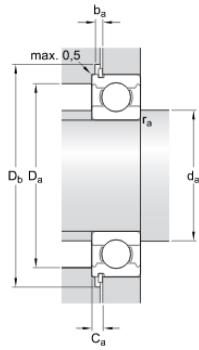


## DIMENSIONS

$d$	90 mm
$D$	160 mm
$B$	30 mm
$d_1$	≈ 112.5 mm
$D_2$	≈ 142.6 mm
$D_3$	155.22 mm
$D_4$	169.7 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. 101 mm
$D_a$	max. 149 mm
$D_b$	min. 172 mm
$b_a$	min. 3.5 mm
$C_a$	max. 7.72 mm

 $r_a$ 

max. 2 mm

## CALCULATION DATA

Basic dynamic load rating	$C$	101 kN
Basic static load rating	$C_0$	73.5 kN
Fatigue load limit	$P_u$	2.8 kN
Reference speed		8500 r/min
Limiting speed		5300 r/min
Calculation factor	$k_T$	0.025
Calculation factor	$f_0$	15

## MASS

Mass bearing	2.27 kg
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## INCLUDED PRODUCTS

Snap ring	SP 160
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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>		
		<a href="#">Bearing failure and how to prevent it</a>	<a href="#">Bearing failure and how to prevent it</a>		
<a href="#">Loads</a>	<a href="#">Loads</a>				
<a href="#">Temperature limits</a>	<a href="#">Temperature limits</a>				
<a href="#">Permissible speed</a>	<a href="#">Permissible speed</a>				
<a href="#">Designation system</a>	<a href="#">Designation system</a>				

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