



# 6410 NR

## Deep groove ball bearings

### Bearing data

#### Tolerances,

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

#### Radial internal clearance,

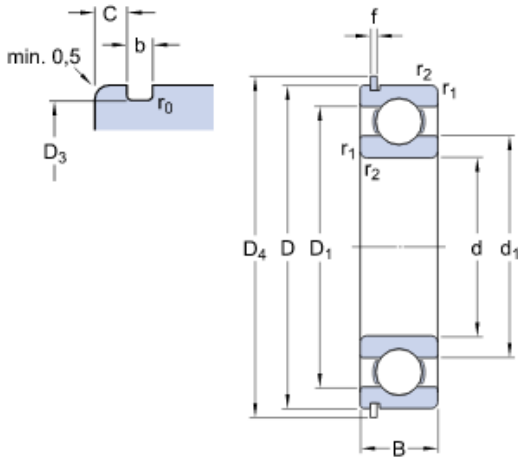
Matched bearing pairs, Stainless steel  
 $d < 10$  mm, Other bearings

### Bearing interfaces

#### Seat tolerances for standard conditions,

#### Tolerances and resultant fits

## Technical specification

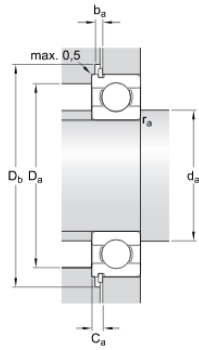


## DIMENSIONS

$d$	50 mm
$D$	130 mm
$B$	31 mm
$d_1$	$\approx 75.46$ mm
$D_1$	$\approx 104.25$ mm
$D_3$	125.22 mm
$D_4$	139.7 mm
$b$	3.1 mm
$C$	4.06 mm
$f$	2.82 mm
$r_0$	max. 0.6 mm
$r_{1,2}$	min. 2.1 mm

## ABUTMENT DIMENSIONS

$d_a$	min. 64 mm
$D_a$	max. 116 mm
$D_b$	min. 141 mm
$b_a$	min. 3.5 mm
$C_a$	max. 6.88 mm

 $r_a$ 

max. 2 mm

## CALCULATION DATA

Basic dynamic load rating	C	87.1 kN
Basic static load rating	$C_0$	52 kN
Fatigue load limit	$P_u$	2.2 kN
Reference speed		12000 r/min
Limiting speed		7500 r/min
Calculation factor	$k_r$	0.035
Calculation factor	$f_0$	12

## MASS

Mass bearing	1.98 kg
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## INCLUDED PRODUCTS

Snap ring	SP 130
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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>
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		<a href="#">Selecting internal clearance</a>	<a href="#">Selecting internal clearance</a>	<a href="#">Heater selection tool</a>	<a href="#">Heater selection tool</a>
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<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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