



# 6408 N

## Deep groove ball bearings

### Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

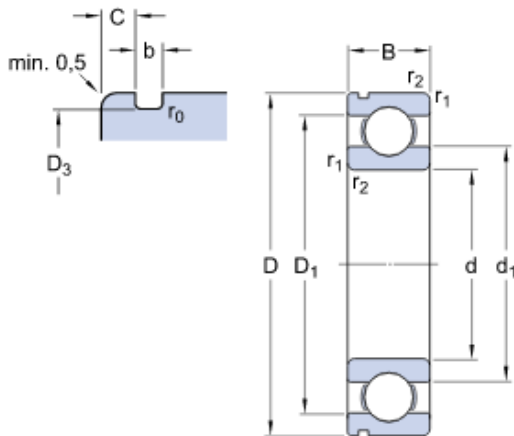
Matched bearing pairs, Stainless steel  
d < 10 mm, Other bearings

### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

## Technical specification

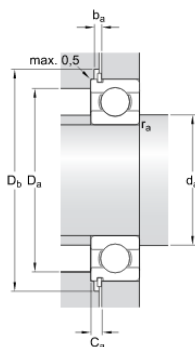


### DIMENSIONS

d	40 mm
D	110 mm
B	27 mm
d <sub>1</sub>	≈ 62.84 mm
D <sub>1</sub>	≈ 86.95 mm
D <sub>3</sub>	106.81 mm
b	2.7 mm
C	3.28 mm
r <sub>0</sub>	max. 0.6 mm
r <sub>1,2</sub>	min. 2 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 53 mm
D <sub>a</sub>	max. 97 mm
D <sub>b</sub>	min. 118 mm
b <sub>a</sub>	min. 3 mm
C <sub>a</sub>	max. 5.74 mm
r <sub>a</sub>	max. 2 mm



## CALCULATION DATA

Basic dynamic load rating	C	63.7 kN
Basic static load rating	$C_0$	36.5 kN
Fatigue load limit	$P_u$	1.53 kN
Reference speed		14000 r/min
Limiting speed		9000 r/min
Calculation factor	$k_f$	0.035
Calculation factor	$f_0$	12

## MASS

Mass bearing		1.26 kg
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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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