



# 308-2ZNR

## Deep groove ball bearings

### Bearing data

#### Tolerances,

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

#### Radial internal clearance,

Matched bearing pairs, Stainless steel

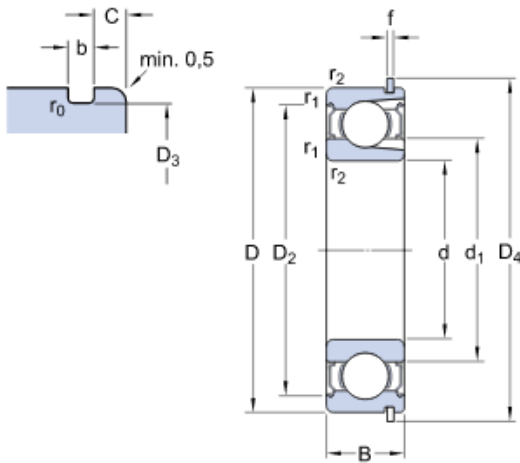
$d < 10$  mm, Other bearings

### Bearing interfaces

#### Seat tolerances for standard conditions,

#### Tolerances and resultant fits

## Technical specification

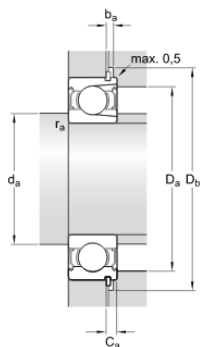


## DIMENSIONS

$d$	40 mm
$D$	90 mm
$B$	23 mm
$d_1$	$\approx 56.11$ mm
$D_2$	$\approx 77.7$ mm
$D_3$	86.79 mm
$D_4$	96.5 mm
$b$	2.7 mm
$C$	3.28 mm
$f$	2.46 mm
$r_0$	max. 0.6 mm
$r_{1,2}$	min. 1.5 mm

## ABUTMENT DIMENSIONS

$d_a$	min. 49 mm
$d_a$	max. 56 mm
$D_a$	max. 81 mm
$D_b$	min. 98 mm
$b_a$	min. 3 mm



$C_a$	max. 5.74 mm
$r_a$	max. 1.5 mm

CALCULATION DATA

Basic dynamic load rating	C	45.7 kN
Basic static load rating	$C_0$	36 kN
Fatigue load limit	$P_u$	1.53 kN
Reference speed		14000 r/min
Limiting speed		6800 r/min
Calculation factor	$k_f$	0.05

MASS

Mass bearing	0.64 kg
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INCLUDED PRODUCTS

Snap ring	SP 90
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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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