



## 307-ZNR

### Deep groove ball bearings

#### Bearing data

##### Tolerances,

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

##### Radial internal clearance,

Matched bearing pairs, Stainless steel

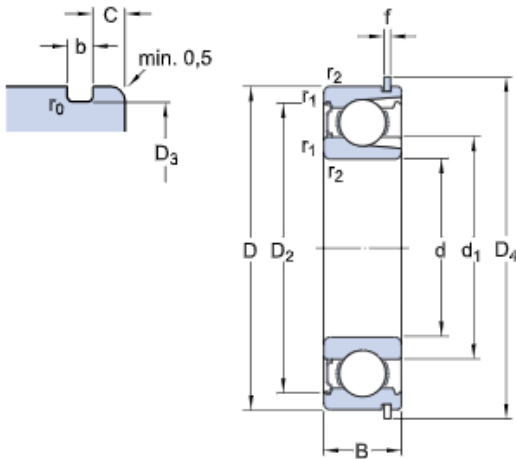
$d < 10$  mm, Other bearings

#### Bearing interfaces

##### Seat tolerances for standard conditions,

##### Tolerances and resultant fits

### Technical specification

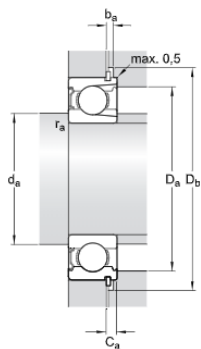


### DIMENSIONS

d	35 mm
D	80 mm
B	21 mm
$d_1$	≈ 49.56 mm
$D_2$	≈ 69.2 mm
$D_3$	76.81 mm
$D_4$	86.6 mm
b	1.9 mm
C	3.28 mm
f	1.7 mm
$r_0$	max. 0.6 mm
$r_{1,2}$	min. 1.5 mm

### ABUTMENT DIMENSIONS

$d_a$	min. 44 mm
$d_a$	max. 49.4 mm
$D_a$	max. 71 mm
$D_b$	min. 88 mm
$b_a$	min. 2.2 mm



$C_a$	max. 4.98 mm
$r_a$	max. 1.5 mm

CALCULATION DATA

Basic dynamic load rating	C	34.7 kN
Basic static load rating	$C_0$	26.5 kN
Fatigue load limit	$P_u$	1.12 kN
Reference speed		16 000 r/min
Limiting speed		9 500 r/min
Calculation factor	$k_r$	0.05

MASS

Mass bearing	0.48 kg
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INCLUDED PRODUCTS

Snap ring	SP 80
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## More information

Product details	Engineering information	Tools
<a href="#">Single row deep groove ball bearings</a>	<a href="#">Principles of rolling bearing selection</a>	<a href="#">Bearing Select</a>
<a href="#">Stainless steel deep groove ball bearings</a>	<a href="#">General bearing knowledge</a>	<a href="#">SimPro Quick</a>
<a href="#">Single row deep groove ball bearings with filling slots</a>	<a href="#">Bearing selection process</a>	<a href="#">Engineering Calculator</a>
<a href="#">Double row deep groove ball bearings</a>	<a href="#">Bearing interfaces</a>	<a href="#">LubeSelect for SKF greases</a>
<a href="#">Bearing data</a>	<a href="#">Seat tolerances for standard conditions</a>	<a href="#">Heater selection tool</a>
<a href="#">Loads</a>	<a href="#">Selecting internal clearance</a>	<a href="#">Rolling bearings mounting and dismounting instructions</a>
<a href="#">Temperature limits</a>	<a href="#">Lubrication</a>	
<a href="#">Permissible speed</a>	<a href="#">Sealing, mounting and dismounting</a>	
<a href="#">Designation system</a>	<a href="#">Bearing failure and how to prevent it</a>	

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