



## 305 NR

### Deep groove ball bearings

#### Bearing data

##### Tolerances,

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

##### Radial internal clearance,

Matched bearing pairs, Stainless steel

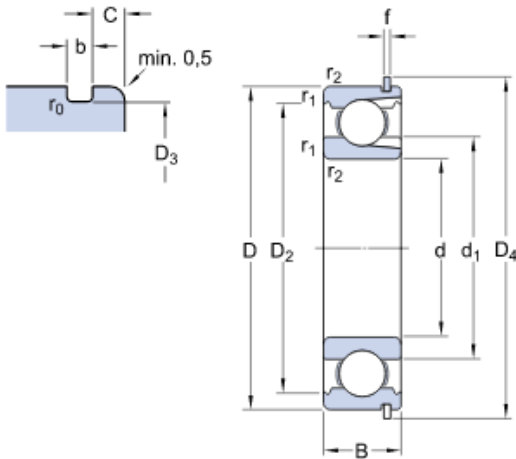
$d < 10$  mm, Other bearings

#### Bearing interfaces

##### Seat tolerances for standard conditions,

##### Tolerances and resultant fits

### Technical specification

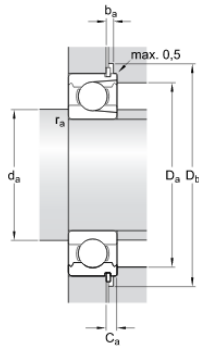


#### DIMENSIONS

d	25 mm
D	62 mm
B	17 mm
$d_1$	≈ 36.6 mm
$D_2$	≈ 52.7 mm
$D_3$	59.61 mm
$D_4$	67.7 mm
b	1.9 mm
C	3.28 mm
f	1.7 mm
$r_0$	max. 0.6 mm
$r_{1,2}$	min. 1.1 mm

#### ABUTMENT DIMENSIONS

$d_a$	min. 32 mm
$D_a$	max. 55 mm
$D_b$	min. 69 mm
$b_a$	min. 2.2 mm
$C_a$	max. 4.98 mm



$r_a$

max. 1 mm

CALCULATION DATA

Basic dynamic load rating	C	22.9 kN
Basic static load rating	$C_0$	15.6 kN
Fatigue load limit	$P_u$	0.67 kN
Reference speed		20000 r/min
Limiting speed		13000 r/min
Calculation factor	$k_f$	0.05

MASS

Mass bearing	0.24 kg
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INCLUDED PRODUCTS

Snap ring	SP 62
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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>
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<a href="#">Temperature limits</a>	<a href="#">Temperature limits</a>	<a href="#">Sealing, mounting and dismounting</a>	<a href="#">Sealing, mounting and dismounting</a>		
<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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