



## 216-ZNR

### Deep groove ball bearings

#### Bearing data

##### Tolerances,

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

##### Radial internal clearance,

Matched bearing pairs, Stainless steel

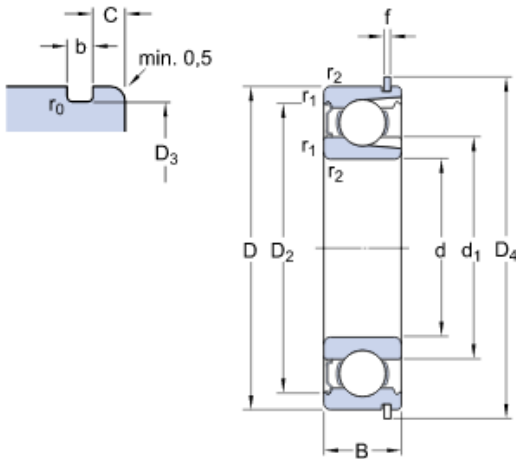
$d < 10$  mm, Other bearings

#### Bearing interfaces

##### Seat tolerances for standard conditions,

##### Tolerances and resultant fits

### Technical specification

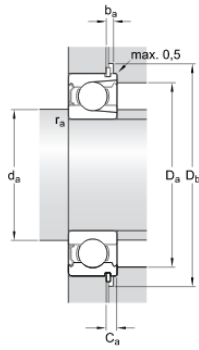


### DIMENSIONS

$d$	80 mm
$D$	140 mm
$B$	26 mm
$d_1$	≈ 95.83 mm
$D_2$	≈ 126.5 mm
$D_3$	135.23 mm
$D_4$	149.7 mm
$b$	3.1 mm
$C$	4.9 mm
$f$	2.82 mm
$r_0$	max. 0.6 mm
$r_{1,2}$	min. 2 mm

### ABUTMENT DIMENSIONS

$d_a$	min. 88.8 mm
$d_a$	max. 88.8 mm
$D_a$	max. 129 mm
$D_b$	min. 151 mm
$b_a$	min. 3.5 mm



$C_a$	max. 7.72 mm
$r_a$	max. 2 mm

CALCULATION DATA

Basic dynamic load rating	$C$	88 kN
Basic static load rating	$C_0$	85 kN
Fatigue load limit	$P_u$	3.45 kN
Reference speed		8500 r/min
Limiting speed		5000 r/min
Calculation factor	$k_T$	0.04

MASS

Mass bearing	1.55 kg
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INCLUDED PRODUCTS

Snap ring	SP 140
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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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