



## CRL 28 A

### Cylindrical roller bearings, single row

#### Bearing data

##### Tolerances,

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

##### Radial internal clearance,

cylindrical bore, tapered bore,

##### Axial internal clearance,

NUP, NJ + HJ

#### Bearing interfaces

##### Seat tolerances for standard conditions,

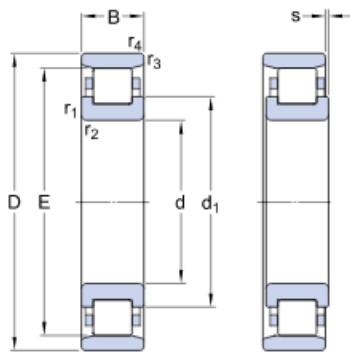
##### Tolerances and resultant fit

## Technical specification

Aftermarket only

Yes

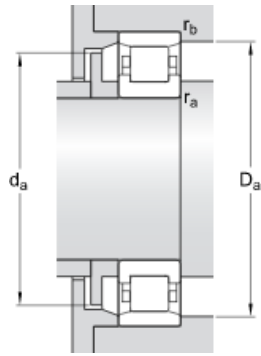
### DIMENSIONS



d	88.9 mm
D	165.1 mm
B	28.575 mm
d <sub>1</sub>	≈ 116.1 mm
E	146 mm
r <sub>1,2</sub>	min. 3.2 mm
r <sub>3,4</sub>	min. 3.2 mm
s	max. 2 mm

### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 103 mm
d <sub>a</sub>	max. 143 mm
D <sub>a</sub>	min. 148 mm
D <sub>a</sub>	max. 150.5 mm
r <sub>a</sub>	max. 2.5 mm

 $r_b$ 

max. 2.5 mm

## CALCULATION DATA

Basic dynamic load rating	C	165 kN
Basic static load rating	$C_0$	193 kN
Fatigue load limit	$P_u$	24 kN
Reference speed		4300 r/min
Limiting speed		5000 r/min
Calculation factor	$k_T$	0.12
Limiting value	e	0.2
Axial load factor	Y	0.6

## MASS

Mass bearing	2.5 kg
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More information

Product details	Product details	Engineering information	Engineering information	Tools	Tools
<a href="#">Designs and variants</a>	<a href="#">Designs and variants</a>	<a href="#">Principles of rolling bearing selection</a>	<a href="#">Principles of rolling bearing selection</a>	<a href="#">SimPro Quick</a>	<a href="#">SimPro Quick</a>
<a href="#">Bearing data</a>	<a href="#">Bearing data</a>	<a href="#">General bearing knowledge</a>	<a href="#">General bearing knowledge</a>	<a href="#">Bearing Select</a>	<a href="#">Bearing Select</a>
<a href="#">Loads</a>	<a href="#">Loads</a>			<a href="#">Engineering Calculator</a>	<a href="#">Engineering Calculator</a>
<a href="#">Temperature limits</a>	<a href="#">Temperature limits</a>	<a href="#">Bearing selection process</a>	<a href="#">Bearing selection process</a>	<a href="#">LubeSelect for SKF greases</a>	<a href="#">LubeSelect for SKF greases</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="#">Heater selection tool</a>	<a href="#">Heater selection tool</a>
<a href="#">Design considerations</a>	<a href="#">Design considerations</a>			<a href="#">Oil Injection Method Program</a>	<a href="#">Oil Injection Method Program</a>
<a href="#">Designation system</a>	<a href="#">Designation system</a>			<a href="#">Rolling bearings mounting and dismounting instructions</a>	<a href="#">Rolling bearings mounting and dismounting instructions</a>

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