

## RNU 1009 ECP

Popular item

Cylindrical roller bearings, single row,  
without an inner ring

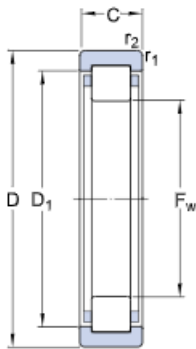
Bearing data

[Tolerances](#),  
Normal, P6,  
[Radial internal clearance](#),  
table

Bearing interfaces

[Seat tolerances for standard  
conditions](#),  
[Tolerances and resultant fit  
table](#)

### Technical specification

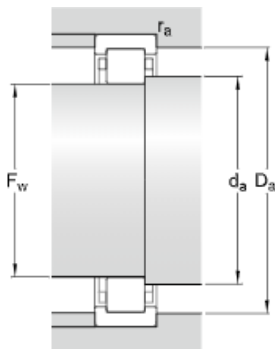


#### DIMENSIONS

$F_w$	52.5 mm
D	75 mm
C	16 mm
$D_1$	≈ 65.3 mm
$r_{1,2}$	min. 1 mm

#### ABUTMENT DIMENSIONS

$d_a$	max. 56 mm
$D_a$	max. 69.8 mm
$r_a$	max. 1 mm



## CALCULATION DATA

Basic dynamic load rating	C	44.6 kN
Basic static load rating	C <sub>0</sub>	52 kN
Fatigue load limit	P <sub>u</sub>	6.3 kN
Reference speed		9 000 r/min
Limiting speed		11 000 r/min
Calculation factor	k <sub>r</sub>	0.1
Limiting value	e	0.3
Axial load factor	Y	0.4

## MASS

Mass bearing	0.19 kg
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## More information

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

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