

## RNU 307 ECP

Popular item  
SKF Explorer

Cylindrical roller bearings, single row,  
without an inner ring

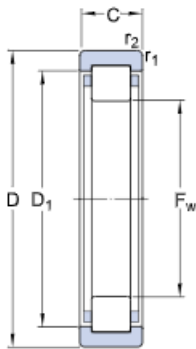
Bearing data

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

Bearing interfaces

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

### Technical specification

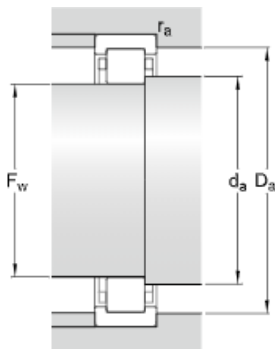


#### DIMENSIONS

$F_w$	46.2 mm
D	80 mm
C	21 mm
$D_1$	≈ 65.8 mm
$r_{1,2}$	min. 1.5 mm

#### ABUTMENT DIMENSIONS

$d_a$	max. 51 mm
$D_a$	max. 72.2 mm
$r_a$	max. 1.5 mm



## CALCULATION DATA

Basic dynamic load rating	C	75 kN
Basic static load rating	C <sub>0</sub>	63 kN
Fatigue load limit	P <sub>u</sub>	8.15 kN
Reference speed		9 500 r/min
Limiting speed		11 000 r/min
Calculation factor	k <sub>r</sub>	0.15
Limiting value	e	0.2
Axial load factor	Y	0.6

## MASS

Mass bearing	0.37 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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