



# NJ 2312 ECML

Popular item  
SKF Explorer

Cylindrical roller bearings, single row

## Bearing data

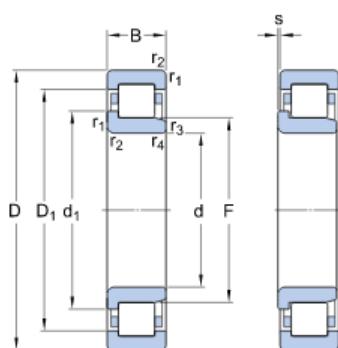
[Tolerances](#),  
Normal (metric), P6, Normal (inch),  
[Radial internal clearance](#),  
cylindrical bore, tapered bore,  
[Axial internal clearance](#),  
NUP, NJ + HJ

## Bearing interfaces

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

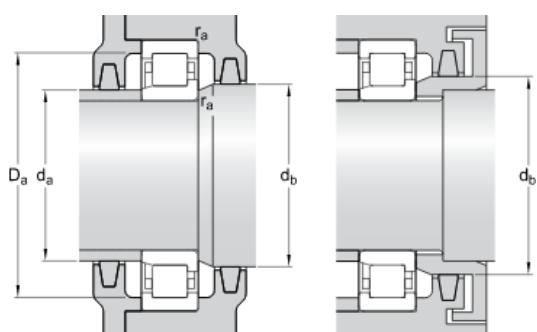
## Technical specification

## DIMENSIONS



d	60 mm
D	130 mm
B	46 mm
d <sub>1</sub>	≈ 84.3 mm
D <sub>1</sub>	≈ 109.2 mm
F	77 mm
r <sub>1,2</sub>	min. 2.1 mm
r <sub>3,4</sub>	min. 2.1 mm
s	max. 3.6 mm

## ABUTMENT DIMENSIONS



d <sub>a</sub>	min. 72 mm
d <sub>a</sub>	max. 74 mm
d <sub>b</sub>	min. 87 mm
D <sub>a</sub>	max. 118.1 mm
r <sub>a</sub>	max. 2 mm

## CALCULATION DATA

Basic dynamic load rating	$C$	260 kN
Basic static load rating	$C_0$	265 kN
Fatigue load limit	$P_u$	34.5 kN
Reference speed		5600 r/min
Limiting speed		10000 r/min
Calculation factor	$k_r$	0.38
Limiting value	$e$	0.3
Axial load factor	$\gamma$	0.4

## MASS

Mass bearing	3.08 kg
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## ASSOCIATED PRODUCTS

Angle ring	HJ 2312 EC
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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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