

RNU 309 ECP

SKF Explorer

Cylindrical roller bearings, single row,
without an inner ring

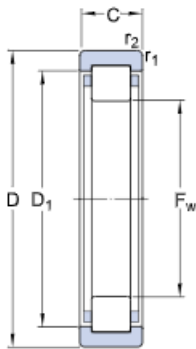
Bearing data

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

Bearing interfaces

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

Technical specification

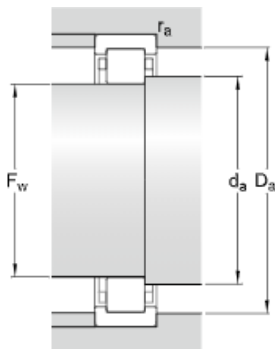


DIMENSIONS

F_w	58.5 mm
D	100 mm
C	25 mm
D_1	≈ 83.2 mm
$r_{1,2}$	min. 1.5 mm

ABUTMENT DIMENSIONS

d_a	max. 64.4 mm
D_a	max. 91.4 mm
r_a	max. 1.5 mm



CALCULATION DATA

Basic dynamic load rating	C	112 kN
Basic static load rating	C ₀	100 kN
Fatigue load limit	P _u	12.9 kN
Reference speed		7 500 r/min
Limiting speed		8 500 r/min
Calculation factor	k _r	0.15
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing	0.68 kg
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More information

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

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