

# NJ 310 ECML

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,

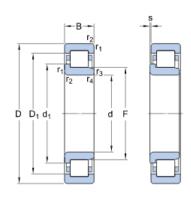
NUP, NJ + HJ

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

## Technical specification

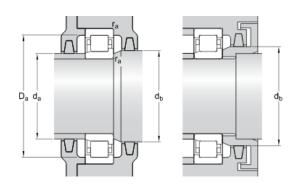


### **DIMENSIONS**

d	50 mm
D	110 mm
В	27 mm
$d_1$	≈ 71.2 mm
$D_1$	≈ 92.05 mm
F	65 mm
r <sub>1,2</sub>	min. 2 mm
r <sub>3,4</sub>	min. 2 mm
S	max. 1.9 mm

### ABUTMENT DIMENSIONS







## CALCULATION DATA

Basic dynamic load rating	С	127 kN
Basic static load rating	$C_0$	112 kN
Fatigue load limit	$P_{u}$	15 kN
Reference speed		6700 r/min
Limiting speed		12000 r/min
Calculation factor	$k_r$	0.23
Limiting value	е	0.2
Axial load factor	Υ	0.6

### MASS

Mass bearing	1.31 kg
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## ASSOCIATED PRODUCTS

Angle ring	HJ 310 EC
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## More information

Product details	Product details	Engineering in	fornEantojomeering in		Tools
Designs and variants Bearing data Loads	Designs and variants  Bearing data  Loads	Principles of rolling bearing -selection General bearing k	Principles of rolling bearing -selection General bearing k	SimPro Quick  Bearing Select  Engineer ing Calcul	SimPro Quick Bearing Select Engineer ing Calcul
Tempera ture limits Permissi ble speed  Design c onsiderati ons Designati on system	Tempera ture limits Permissi ble speed  Design c onsiderati ons Designati on system	Bearing selection process  Bearing failure and how to prevent it	Bearing selection process Bearing failure and how to prevent it	LubeSele ct for SKF greases Heater selection tool Oil Injection Method Program Rolling bearings mounting and dism ounting i nstructio ns	ator  LubeSele ct for SKF greases  Heater selection tool  Oil Injection Method Program Rolling bearings mounting and dism ounting instructions

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