



NJ 310 ECJ Cylindrical roller bearings, single row

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,](#)

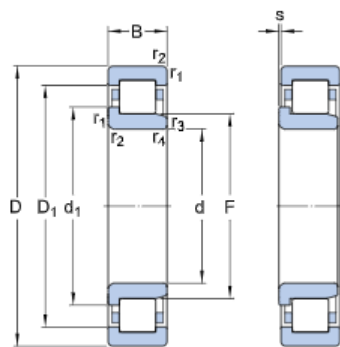
NUP, NJ + HJ

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

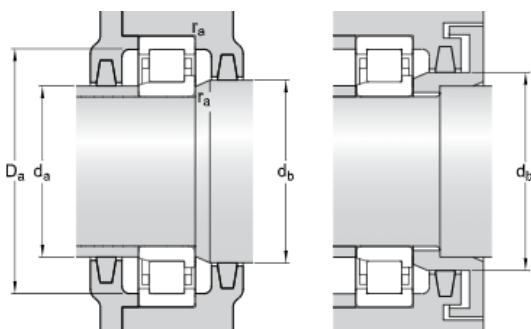


DIMENSIONS

d	50 mm
D	110 mm
B	27 mm
d ₁	≈ 71.2 mm
D ₁	≈ 91.4 mm
F	65 mm
r _{1,2}	min. 2 mm
r _{3,4}	min. 2 mm
s	max. 1.9 mm

ABUTMENT DIMENSIONS

d _a	min. 60 mm
d _a	max. 63 mm
d _b	min. 73 mm
D _a	max. 99.6 mm
r _a	max. 2 mm



CALCULATION DATA

Basic dynamic load rating	C	127 kN
Basic static load rating	C ₀	112 kN
Fatigue load limit	P _u	15 kN
Reference speed		6 700 r/min
Limiting speed		8 000 r/min
Calculation factor	k _r	0.15
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing	1.18 kg
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ASSOCIATED PRODUCTS

Angle ring	HJ 310 EC
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More information

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

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