

NF 18/1120 ECM

Cylindrical roller bearings, single row

Bearing data

[Tolerances,](#)

Normal (metric), P6, Normal (inch),

[Radial internal clearance,](#)

cylindrical bore, tapered bore,

[Axial internal clearance,](#)

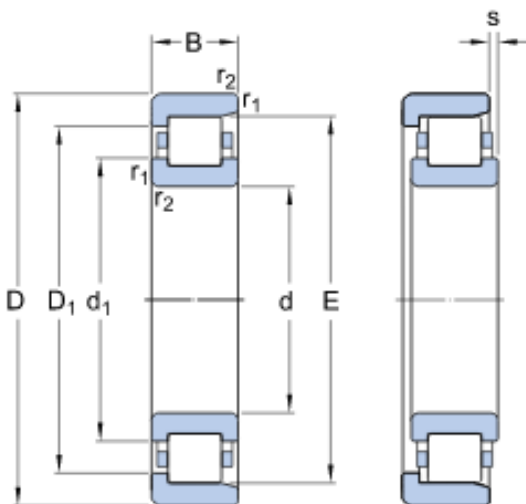
NUP, NJ + HJ

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

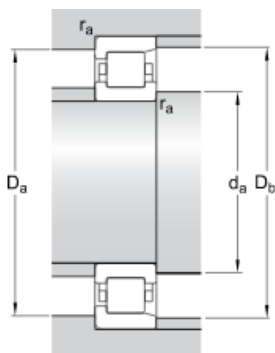


DIMENSIONS

d	1120 mm
D	1360 mm
B	106 mm
d_1	≈ 1206 mm
D_1	≈ 1290 mm
E	1310 mm
$r_{1,2}$	min. 6 mm
s	max. 3.5 mm

ABUTMENT DIMENSIONS

d_a	min. 1143 mm
D_a	max. 1337 mm
D_b	min. 1337 mm
r_a	max. 5 mm



CALCULATION DATA

Basic dynamic load rating	C	3410 kN
Basic static load rating	C ₀	8650 kN
Fatigue load limit	P _u	510 kN
Reference speed		340 r/min
Limiting speed		340 r/min
Calculation factor	k _r	0.06
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing		344 kg
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More information

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

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