

NF 18/500 ECM

Cylindrical roller bearings, single row

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

cylindrical bore, tapered bore,

[Axial internal clearance,](#)

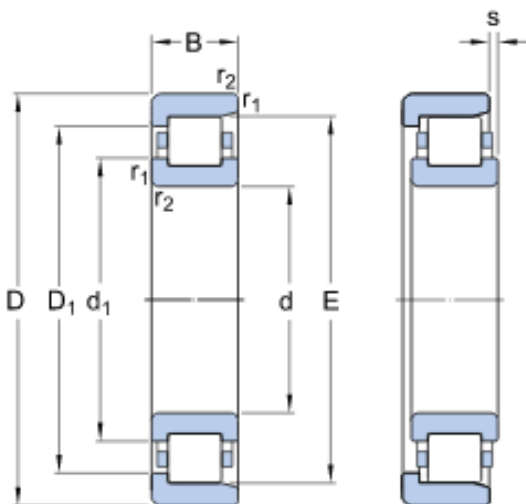
NUP, NJ + HJ

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

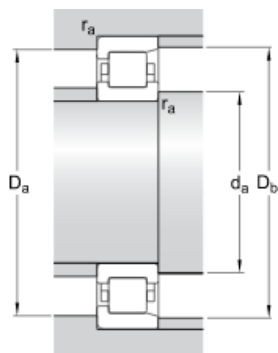


DIMENSIONS

d	500 mm
D	620 mm
B	56 mm
d_1	≈ 538 mm
D_1	≈ 584 mm
E	594 mm
$r_{1,2}$	min. 3 mm
s	max. 3.5 mm

ABUTMENT DIMENSIONS

d_a	min. 513 mm
D_a	max. 607 mm
D_b	min. 598 mm
r_a	max. 2.5 mm



CALCULATION DATA

Basic dynamic load rating	C	792 kN
Basic static load rating	C ₀	1660 kN
Fatigue load limit	P _u	132 kN
Reference speed		950 r/min
Limiting speed		950 r/min
Calculation factor	k _r	0.05
Limiting value	e	0.2
Axial load factor	Y	0.6

MASS

Mass bearing		40 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			Engineering Calculator	Engineering Calculator
Temperature limits	Temperature limits	Bearing selection process	Bearing selection process	LubeSelect for SKF greases	LubeSelect for SKF greases
Permissible speed	Permissible speed	Bearing failure and how to prevent it	Bearing failure and how to prevent it	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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