



N 39/500 ECMB/W33

Cylindrical roller bearings, single row

Bearing data

Tolerances,

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

Radial internal clearance,

cylindrical bore, tapered bore,

Axial internal clearance,

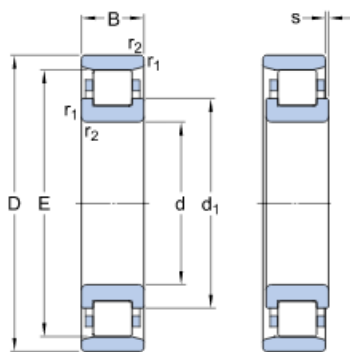
NUP, NJ + HJ

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

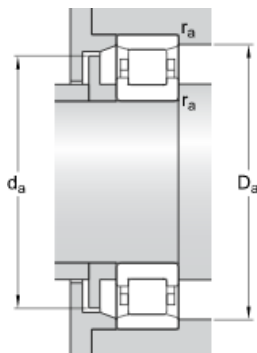


DIMENSIONS

d	500 mm
D	670 mm
B	128 mm
d ₁	≈ 559 mm
E	633 mm
r _{1,2}	min. 5 mm
s	max. 7 mm

ABUTMENT DIMENSIONS

d _a	min. 518 mm
d _a	max. 627 mm
D _a	min. 638 mm
D _a	max. 652 mm
r _a	max. 4 mm



CALCULATION DATA

Basic dynamic load rating	C	2330 kN
Basic static load rating	C_0	5200 kN
Fatigue load limit	P_u	440 kN
Reference speed		800 r/min
Limiting speed		1200 r/min
Calculation factor	k_r	0.13
Limiting value	e	0.3
Axial load factor	Y	

MASS

Mass bearing		130 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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