



NCF 18/500 V

Popular item

Cylindrical roller bearings, single row, full complement

Bearing data

[Tolerances,](#)

Normal,

[Radial internal clearance,](#)

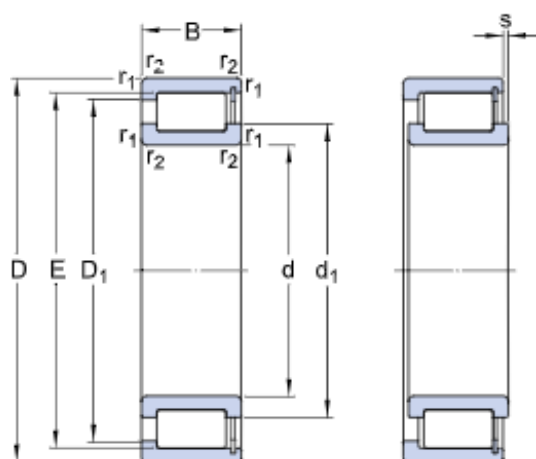
table

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

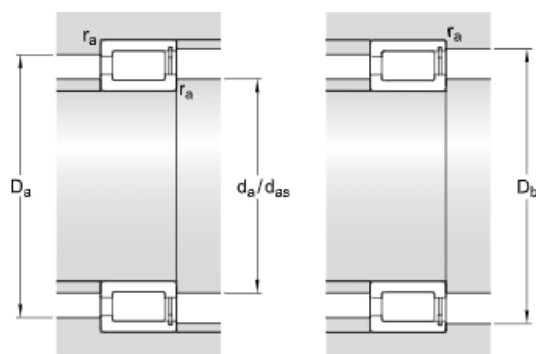
Technical specification



DIMENSIONS

d	500 mm
D	620 mm
B	56 mm
d ₁	≈ 542 mm
D ₁	≈ 582 mm
E	594 mm
s	max. 5 mm
r _{1,2}	min. 3 mm

ABUTMENT DIMENSIONS



d _a	min. 513 mm
d _{as}	536 mm
D _a	max. 607 mm
D _b	max. 607 mm
r _a	max. 2.5 mm

CALCULATION DATA

Basic dynamic load rating	C	952 kN
Basic static load rating	C ₀	2 120 kN
Fatigue load limit	P _u	173 kN
Reference speed		380 r/min
Limiting speed		480 r/min
Calculation factor	k _r	0.1
Calculation factor	e	0.2
Calculation factor	Y	0.6

MASS

Mass bearing	35.4 kg
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More information

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