



NCF 1880 V

Popular item

Cylindrical roller bearings, single row, full complement

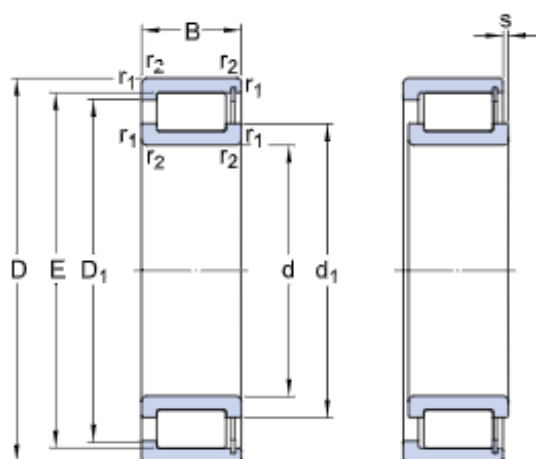
Bearing data

[Tolerances](#),
Normal,
[Radial internal clearance](#),
table

Bearing interfaces

[Seat tolerances for standard conditions](#),
[Tolerances and resultant fit](#)

Technical specification

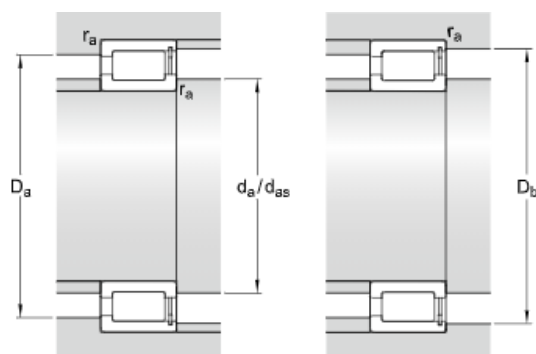


DIMENSIONS

d	400 mm
D	500 mm
B	46 mm
d ₁	≈ 433 mm
D ₁	≈ 465 mm
E	475 mm
s	max. 3.5 mm
r _{1,2}	min. 2.1 mm

ABUTMENT DIMENSIONS

d _a	min. 411 mm
d _{as}	428 mm
D _a	max. 489 mm
D _b	max. 493 mm
r _a	max. 1.5 mm



CALCULATION DATA

Basic dynamic load rating	C	627 kN
Basic static load rating	C ₀	1 340 kN
Fatigue load limit	P _u	118 kN
Reference speed		500 r/min
Limiting speed		630 r/min
Calculation factor	k _r	0.1
Calculation factor	e	0.2
Calculation factor	Y	0.6

MASS

Mass bearing	20.5 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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