



NCF 2940 CV

Popular item

Cylindrical roller bearings, single row, full complement

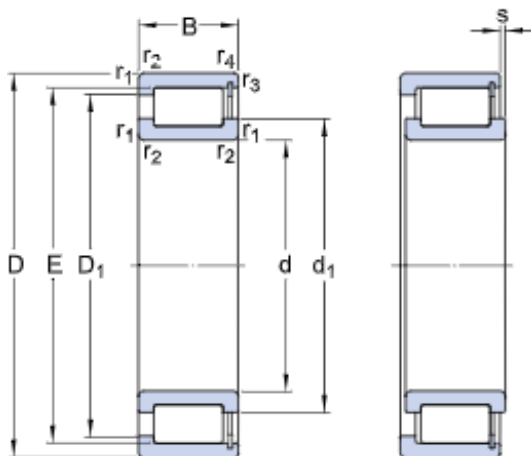
Bearing data

Tolerances,
Normal,
Radial internal clearance,
table

Bearing interfaces

Seat tolerances for standard
conditions,
Tolerances and resultant fit
table

Technical specification

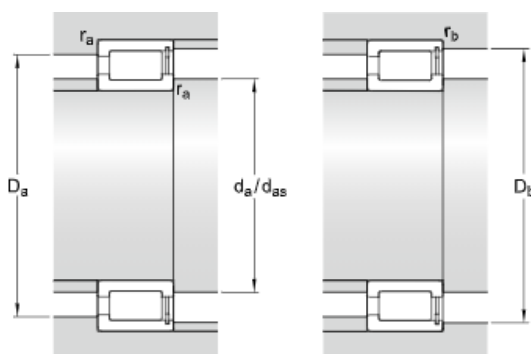


DIMENSIONS

d	200 mm
D	280 mm
B	48 mm
d_1	≈ 226 mm
D_1	≈ 253 mm
E	262 mm
s	max. 3 mm
$r_{1,2}$	min. 2.1 mm
$r_{3,4}$	min. 1.5 mm

ABUTMENT DIMENSIONS

d_a	min. 211 mm
d_{as}	222 mm
D_a	max. 269 mm
D_b	max. 271 mm
r_a	max. 1.5 mm
r_b	max. 1.5 mm



CALCULATION DATA

Basic dynamic load rating	C	528 kN
Basic static load rating	C ₀	965 kN
Fatigue load limit	P _u	100 kN
Reference speed		1 000 r/min
Limiting speed		1 300 r/min
Calculation factor	k _r	0.2
Calculation factor	e	0.3
Calculation factor	Y	0.4

MASS

Mass bearing	9.38 kg
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More information

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

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