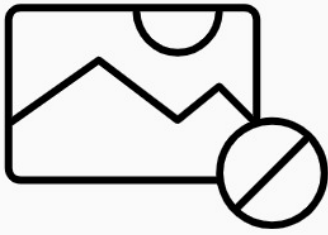


# NNC 4920 CVD Double row cylindrical roller bearing



## Double row cylindrical roller bearing

Double row cylindrical roller bearings are designed to accommodate high to very high radial loads in combination with medium to high speeds. The SKF assortment includes many designs and variants, such as standard and full complement bearings and also greased and sealed bearings. Depending on the configuration of the outer and inner rings, the bearings are available in locating as well as non-locating designs.

- High to very high radial load carrying capacity
- Low friction
- Long service life

## Overview

### Dimensions

Bore diameter	100 mm
Outside diameter	140 mm
Width	40 mm

### Performance

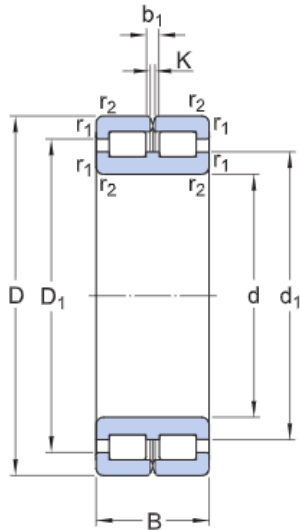
Basic dynamic load rating	209 kN
Basic static load rating	400 kN
Reference speed	2 000 r/min
Limiting speed	2 600 r/min

### Properties

Bearing part	Complete bearing
Axial displacement capability	None
Number of rows	2
Locating feature, bearing outer ring	None
Bore type	Cylindrical
Cage	Without
Number of flanges, outer ring	0
Number of flanges, inner ring	3
Loose flange	None
Radial internal clearance	CN
Coating	Without
Sealing	Without
Lubricant	None
Relubrication feature	With

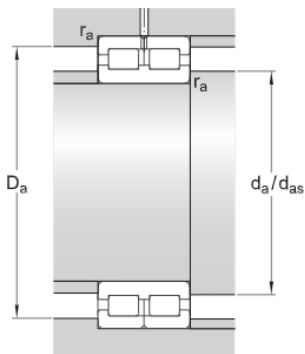
# Technical Specification

## Dimensions



d	100 mm	Bore diameter
D	140 mm	Outside diameter
B	40 mm	Width
d <sub>1</sub>	≈ 116.5 mm	Shoulder diameter inner ring
D <sub>1</sub>	≈ 124.5 mm	Shoulder diameter outer ring
b <sub>1</sub>	5 mm	Width annular lubrication groove outer ring
K	3.5 mm	Diameter lubrication hole (outer ring)
r <sub>1,2</sub>	min. 1.1 mm	Chamfer dimension (open bearings)

## Abutment dimensions



d <sub>a</sub> min.	106 mm	Abutment diameter shaft
d <sub>a</sub>	111 mm	Abutment diameter shaft
D <sub>e</sub> max.	134 mm	Abutment diameter housing
r <sub>a</sub> max.	1 mm	Fillet radius

## Calculation data

Basic dynamic load rating	C	209 kN
Basic static load rating	C <sub>0</sub>	400 kN
Fatigue load limit	P <sub>u</sub>	46.5 kN
Reference speed		2 000 r/min
Limiting speed		2 600 r/min

Minimum load factor

$k_r$

0.25

## Mass

Mass bearing

1.95 kg

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