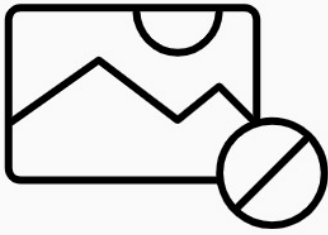


NNC 4838 CVD Double row cylindrical roller bearing



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	190 mm
Outside diameter	240 mm
Width	50 mm

Performance

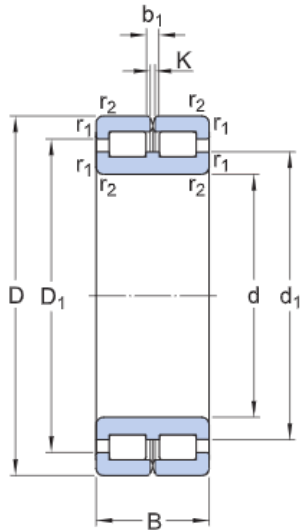
Basic dynamic load rating	358 kN
Basic static load rating	750 kN
Reference speed	1 100 r/min
Limiting speed	1 400 r/min

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

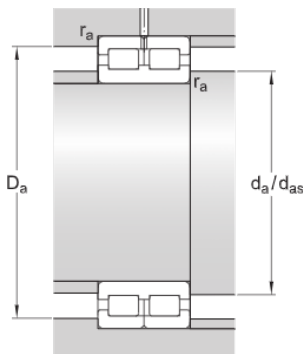
Technical Specification

Dimensions



d	190 mm	Bore diameter
D	240 mm	Outside diameter
B	50 mm	Width
d ₁	≈ 209 mm	Shoulder diameter inner ring
D ₁	≈ 219 mm	Shoulder diameter outer ring
b ₁	7 mm	Width annular lubrication groove outer ring
K	4 mm	Diameter lubrication hole (outer ring)
r _{1,2}	min. 1.5 mm	Chamfer dimension (open bearings)

Abutment dimensions



d _a	min. 197 mm	Abutment diameter shaft
d _a	203 mm	Abutment diameter shaft
D _e	max. 233 mm	Abutment diameter housing
r _a	max. 1.5 mm	Fillet radius

Calculation data

Basic dynamic load rating	C	358 kN
Basic static load rating	C ₀	750 kN
Fatigue load limit	P _u	76.5 kN
Reference speed		1 100 r/min
Limiting speed		1 400 r/min
Minimum load factor	k _r	0.2

Mass

Mass bearing

5.65 kg

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