

NNF 5010 ADB-2LSV

Popular item

Cylindrical roller bearings, double row, full complement

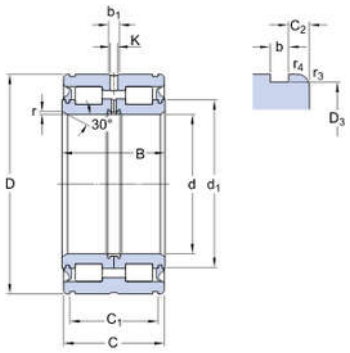
Bearing data

Tolerances,
Normal,
Radial internal clearance,
table,
Axial internal clearance

Bearing interfaces

Seat tolerances for standard conditions,
Tolerances and resultant fit

Technical specification

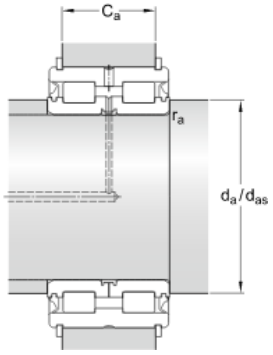


DIMENSIONS

d	50 mm
D	80 mm
B	40 mm
C	39 mm
d_1	≈ 61.8 mm
D_3	77.8 mm
C_1	34.2 mm
Tolerance for distance C1	+ 0.2 mm
C_2	2.4 mm
b	2.7 mm
b_1	8.5 mm
K	4.5 mm
r	min. 0.8 mm
$r_{3,4}$	min. 0.6 mm

ABUTMENT DIMENSIONS

d_a	min. 54 mm
d_{as}	59.5



	mm
C_{a1}	30 mm
Tolerance for abutment Ca (SW snap rings)	- 0.2 mm
C_{a2}	29 mm
Tolerance for abutment Ca (DIN 471 snap rings)	- 0.2 mm
r_a	max. 0.4 mm

Ca1 applies for SW snap rings and Ca2 for snap rings in accordance with DIN 471

CALCULATION DATA

Basic dynamic load rating	C	108 kN
Basic static load rating	C_0	160 kN
Fatigue load limit	P_u	18.6 kN
Limiting speed		1700 r/min
Calculation factor	k_r	0.4

MASS

Mass bearing	0.76 kg

ASSOCIATED PRODUCTS

Snap ring Seeger	SW 80
Snap ring in accordance with DIN 471	80x2.5

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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