

NNF 5034 ADA-2LSV



Double row full complement cylindrical roller bearing, NNF design, with integral sealing and relubrication feature

Double row full complement cylindrical roller bearings incorporate a maximum number of rollers and are therefore suitable for very heavy radial loads in combination with moderate speeds. Having three flanges on the two-piece inner ring and one central flange on the outer ring, NNF design bearings can locate the shaft axially in both directions. Two snap ring grooves in the outer ring simplify mounting and save space axially.

- Very high radial load carrying capacity
- High radial stiffness
- Long service life
- Locate the shaft axially in both directions
- Sealed for increased reliability, with relubrication feature

Overview

Dimensions

Bore diameter	6.693 in
Outside diameter	10.236 in
Width	4.803 in

Performance

Basic dynamic load rating	227 057 lbf
Basic static load rating	404 656 lbf
Limiting speed	480 r/min

Properties

Axial displacement capability	None
Bearing part	Complete bearing
Bore type	Cylindrical
Cage	Without
Coating	Without
Locating feature, bearing outer ring	Snap ring groove
Loose flange	None
Lubricant	Grease
Number of flanges, inner ring	2
Number of flanges, outer ring	1
Number of rows	2
Radial internal clearance	CN
Relubrication feature	With

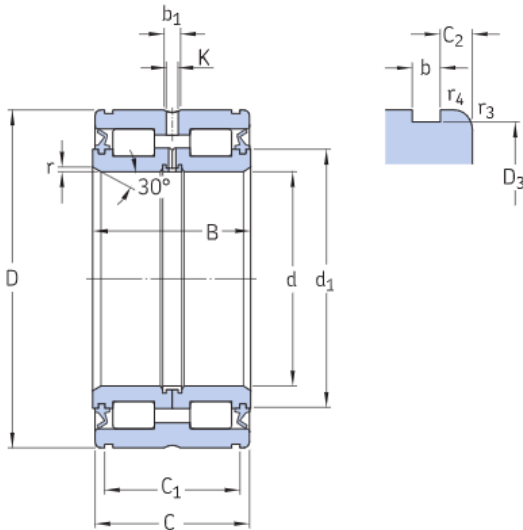
Sealing

Seal on both sides

Sealing type

Contact

Technical Specification

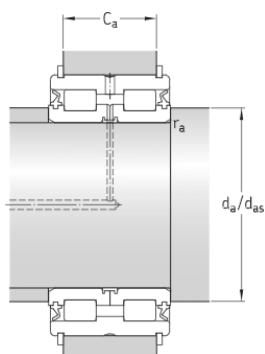


Dimensions

d	6.693 in	Bore diameter
D	10.236 in	Outside diameter
B	4.803 in	Width
C	4.764 in	Outer ring width (sealed bearing)
d ₁	≈ 8.016 in	Shoulder diameter inner ring
D ₃	10 in	Snap ring groove diameter at outer ring
E	9.409 in	Raceway diameter outer ring
C ₁	4.22 in	Distance between two snap ring grooves of the outer ring outside surface
	+ 0.0079 in	Tolerance for distance C ₁
C ₂	0.272 in	Distance outer ring side face - snap ring groove (sealed bearing)
b	0.205 in	Width snap ring groove outer ring
b ₁	0.276 in	Width annular lubrication groove outer ring
K	0.157 in	Diameter lubrication hole (outer ring)
r	min. 0.079 in	Chamfer dimension (sealed bearing)
r _{3,4}	min. 0.024 in	Chamfer dimension

Abutment dimensions

d _e	min. 6.969 in	Abutment diameter shaft
d _a	7.756 in	Abutment diameter shaft



C_z	3.898 in	Abutment width applying for SW snap rings (sealed brg.)
	- 0.0079 in	Tolerance for abutment C_a
C_z	3.819 in	Abutment width applying for DIN 471 snap rings (sealed brg.)
	- 0.0079 in	Tolerance for abutment C_a
r_a	max. 0.079 in	Fillet radius

Calculation data

Basic dynamic load rating	C	227 057 lbf
Basic static load rating	C_0	404 656 lbf
Fatigue load limit	P_u	43 388 lbf
Limiting speed		480 r/min
Minimum load factor	k_r	0.4

Mass

Mass bearing	49.604 lb
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Associated products

Snap ring Seeger	SW 260
Snap ring in accordance with DIN 471	260x5

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