



## NNF 5014 ADB-2LSV

Popular item

Cylindrical roller bearings, double row,  
full complement

Bearing data

[Tolerances,](#)

Normal,

[Radial internal clearance,](#)

table,

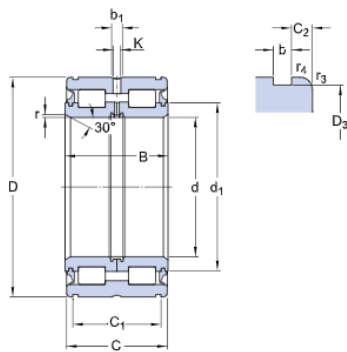
[Axial internal clearance](#)

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

### Technical specification

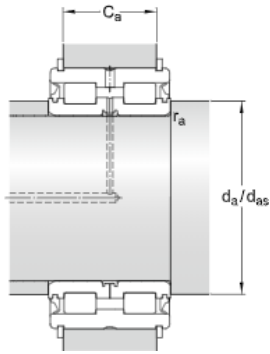


### DIMENSIONS

|                                       |             |
|---------------------------------------|-------------|
| d                                     | 70 mm       |
| D                                     | 110 mm      |
| B                                     | 54 mm       |
| C                                     | 53 mm       |
| d <sub>1</sub>                        | ≈ 84.5 mm   |
| D <sub>3</sub>                        | 107.1 mm    |
| C <sub>1</sub>                        | 48.2 mm     |
| Tolerance for distance C <sub>1</sub> | + 0.2 mm    |
| C <sub>2</sub>                        | 2.4 mm      |
| b                                     | 4.2 mm      |
| b <sub>1</sub>                        | 9.5 mm      |
| K                                     | 5 mm        |
| r                                     | min. 1 mm   |
| r <sub>3,4</sub>                      | min. 0.6 mm |

### ABUTMENT DIMENSIONS

|                 |            |
|-----------------|------------|
| d <sub>a</sub>  | min. 75 mm |
| d <sub>as</sub> | 82 mm      |



|                                                   |             |
|---------------------------------------------------|-------------|
| $C_{a1}$                                          | 43 mm       |
| Tolerance for abutment $C_a$                      | - 0.2 mm    |
| $C_{a2}$                                          | 40 mm       |
| Tolerance for abutment $C_a$ (DIN 471 snap rings) | - 0.2 mm    |
| $r_a$                                             | max. 0.6 mm |
| $C_{a1a2}$                                        |             |

## CALCULATION DATA

|                           |       |             |
|---------------------------|-------|-------------|
| Basic dynamic load rating | C     | 187 kN      |
| Basic static load rating  | $C_0$ | 285 kN      |
| Fatigue load limit        | $P_u$ | 34.5 kN     |
| Limiting speed            |       | 1 200 r/min |
| Calculation factor        | $k_f$ | 0.4         |

## MASS

|              |         |
|--------------|---------|
| Mass bearing | 1.87 kg |
|--------------|---------|

## ASSOCIATED PRODUCTS

|                                      |        |
|--------------------------------------|--------|
| Snap ring Seeger                     | SW 110 |
| Snap ring in accordance with DIN 471 | 110x4  |

## More information

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

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