



SKF NNF 5026 ADA-2LSVD 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 | 130 mm |
| Outside diameter | 200 mm |
| Width | 95 mm |

Performance

| | |
|---------------------------|-----------|
| Basic dynamic load rating | 616 kN |
| Basic static load rating | 1 040 kN |
| Limiting speed | 630 r/min |

Properties

| | |
|--------------------------------------|------------------|
| Bearing part | Complete bearing |
| Axial displacement capability | None |
| Number of rows | 2 |
| Locating feature, bearing outer ring | Snap ring groove |
| Bore type | Cylindrical |
| Cage | Without |
| Number of flanges, outer ring | 1 |
| Number of flanges, inner ring | 2 |
| Loose flange | None |

| | |
|---------------------------|--------------------|
| Radial internal clearance | CN |
| Tolerance class | Normal |
| Coating | Without |
| Sealing | Seal on both sides |
| Sealing type | Contact |
| Lubricant | Grease |
| Relubrication feature | With |

Technical Specification

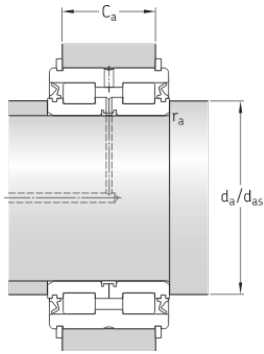


Dimensions

| | | |
|------------------|-------------|--|
| d | 130 mm | Bore diameter |
| D | 200 mm | Outside diameter |
| B | 95 mm | Width |
| C | 94 mm | Outer ring width (sealed bearing) |
| d ₁ | ≈ 155 mm | Shoulder diameter inner ring |
| D ₃ | 196 mm | Snap ring groove diameter at outer ring |
| E | 183.5 mm | Raceway diameter outer ring |
| C ₁ | 83.2 mm | Distance between two snap ring grooves of the outer ring outside surface |
| | + 0.2 mm | Tolerance for distance C ₁ |
| C ₂ | 5.4 mm | Distance outer ring side face - snap ring groove (sealed bearing) |
| b | 4.2 mm | Width snap ring groove outer ring |
| b ₁ | 7 mm | Width annular lubrication groove outer ring |
| K | 4 mm | Diameter lubrication hole (outer ring) |
| r | min. 1.8 mm | Chamfer dimension (sealed bearing) |
| r _{3,4} | min. 0.6 mm | Chamfer dimension |

Abutment dimensions

| | | |
|-----------------|-------------|-------------------------|
| d _a | min. 137 mm | Abutment diameter shaft |
| d _{ae} | 150 mm | Abutment diameter shaft |



| | |
|-------------------|--|
| C_{a1} 77 mm | Abutment width applying for SW snap rings (sealed brg.) |
| - 0.2 mm | Tolerance for abutment C_a |
| C_{a2} 75 mm | Abutment width applying for DIN 471 snap rings (sealed brg.) |
| - 0.2 mm | Tolerance for abutment C_a |
| r_a max. 1.5 mm | Fillet radius |

Calculation data

| | | |
|---------------------------|-------|-----------|
| Basic dynamic load rating | C | 616 kN |
| Basic static load rating | C_0 | 1 040 kN |
| Fatigue load limit | P_u | 120 kN |
| Limiting speed | | 630 r/min |
| Minimum load factor | k_r | 0.4 |

Mass

| | |
|--------------|---------|
| Mass bearing | 10.5 kg |
|--------------|---------|

Associated products

| | |
|--------------------------------------|--------|
| Snap ring Seeger | SW 200 |
| Snap ring in accordance with DIN 471 | 200x4 |

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