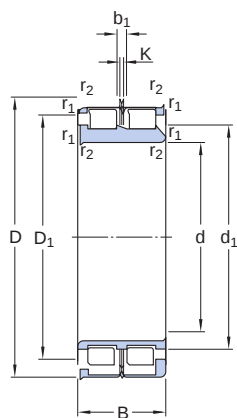


NNC 4944 CV

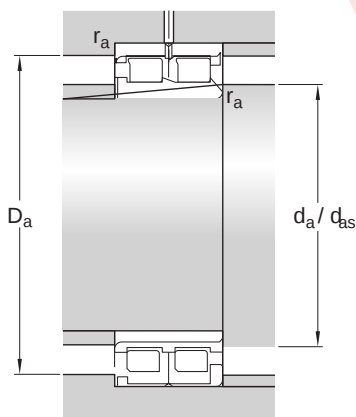


Double row cylindrical roller bearings are designed to accommodate high to very high radial loads in combination with medium to high speeds. The NR assortment includes many designs and variants, such as standard and full complement bearings and also greased and sealed bearings. Depending on the configuration 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



| Dimensions       |             |                                             |
|------------------|-------------|---------------------------------------------|
| d                | 220 mm      | Bore diameter                               |
| D                | 300 mm      | Outside diameter                            |
| B                | 80 mm       | Width                                       |
| d <sub>1</sub>   | ≈ 248 mm    | Shoulder diameter inner ring                |
| D <sub>1</sub>   | ≈ 268.5 mm  | Shoulder diameter outer ring                |
| b <sub>1</sub>   | 8 mm        | Width annular lubrication groove outer ring |
| K                | 4 mm        | Diameter lubrication hole (outer ring)      |
| r <sub>1,2</sub> | min. 2.1 mm | Chamfer dimension (open bearings)           |



| Abutment dimensions |             |                           |
|---------------------|-------------|---------------------------|
| d <sub>a</sub>      | min. 232 mm | Abutment diameter shaft   |
| d <sub>as</sub>     | 240 mm      | Abutment diameter shaft   |
| D <sub>a</sub>      | max. 288 mm | Abutment diameter housing |
| r <sub>a</sub>      | max. 2 mm   | Fillet radius             |

Calculation data

|                           |                |             |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C              | 737 kN      |
| Basic static load rating  | C <sub>0</sub> | 1 600 kN    |
| Fatigue load limit        | P <sub>u</sub> | 160 kN      |
| Reference speed           |                | 950 r/min   |
| Limiting speed            |                | 1 200 r/min |
| Minimum load factor       | k <sub>r</sub> | 0.25        |

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal
- Radial internal clearance: table
- Axial internal clearance

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit