

BC2-8074/HA5

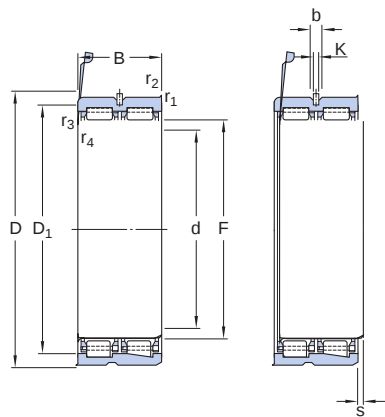


Double row cylindrical roller bearings are designed to accommodate high to very high radial loads in combination with medium to high speeds. The NR assortment includes many designs and variants, such as standard and full complement bearings and also greased and sealed bearings. Depending on the configuration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

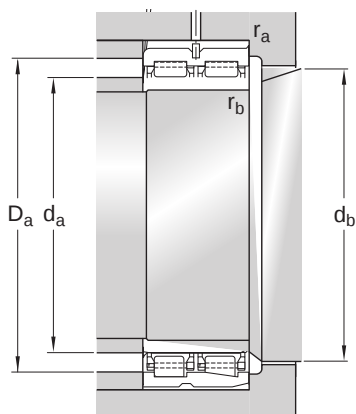
- High to very high radial load carrying capacity
- Low friction
- Long service life

Design variant/feature

NNU.3/CNW33



| Dimensions       |             |                                                                                                   |
|------------------|-------------|---------------------------------------------------------------------------------------------------|
| d                | 690 mm      | Bore diameter                                                                                     |
| D                | 980 mm      | Outside diameter                                                                                  |
| B                | 365 mm      | Overall bearing width                                                                             |
| D <sub>1</sub>   | ≈ 894 mm    | Shoulder diameter outer ring                                                                      |
| F                | 759 mm      | Raceway diameter inner ring                                                                       |
| b                | 25.3 mm     | Width of annular groove                                                                           |
| K                | 15 mm       | Diameter lubrication hole                                                                         |
| r <sub>1,2</sub> | min. 7.5 mm | Chamfer dimension outer ring                                                                      |
| r <sub>3,4</sub> | min. 7.5 mm | Chamfer dimension inner ring                                                                      |
| s                | max. 9.5 mm | Permissible axial displacement from the normal position of one bearing ring relative to the other |



### Abutment dimensions

|       |             |                                           |
|-------|-------------|-------------------------------------------|
| $d_a$ | min. 718 mm | Abutment diameter spacer sleeve           |
| $d_a$ | max. 750 mm | Abutment diameter spacer sleeve           |
| $d_b$ | min. 785 mm | Abutment diameter shaft                   |
| $D_a$ | max. 952 mm | Abutment diameter spacer sleeve / housing |
| $r_a$ | max. 6 mm   | Fillet radius                             |
| $r_b$ | max. 6 mm   | Fillet radius                             |

### Calculation data

|                           |       |           |
|---------------------------|-------|-----------|
| Basic dynamic load rating | C     | 10 500 kN |
| Basic static load rating  | $C_0$ | 27 000 kN |
| Fatigue load limit        | $P_u$ | 1 830 kN  |
| Reference speed           |       | 400 r/min |
| Limiting speed            |       | 600 r/min |
| Calculation factor        | $k_r$ | 0.38      |

### Tolerances and clearances

#### GENERAL BEARING SPECIFICATIONS

- Tolerances: Normal, P6, P5
- Radial internal clearance: cylindrical bore, tapered bore

#### BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit