

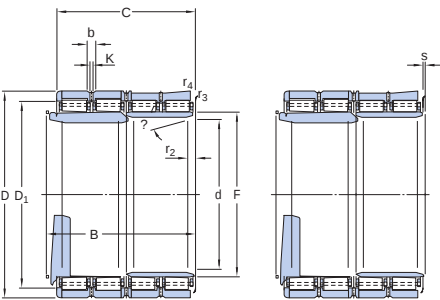
BC4B 322497/HA4



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

- Exceptional high radial load carrying capacity
- Low friction
- Long service life
- Low cross-sectional height

|                        |                                 |
|------------------------|---------------------------------|
| Design variant/feature | BC4.20/W33GWI                   |
| Bore type              | Cylindrical with helical groove |



| Dimensions       |              |                                        |
|------------------|--------------|----------------------------------------|
| d                | 600 mm       | Bore diameter                          |
| D                | 870 mm       | Outside diameter                       |
| B                | 578 mm       | Total bearing width over inner ring(s) |
| C                | 540 mm       | Total bearing width over outer ring(s) |
| D <sub>1</sub>   | ≈ 790.2 mm   | Bore diameter loose flange ring        |
| F                | 672 mm       | Raceway diameter inner ring            |
| b                | 22.3 mm      | Width of annular groove                |
| K                | 12 mm        | Diameter lubrication hole (outer ring) |
| r <sub>1,2</sub> | min. 13.5 mm | Corner radius/chamfer inner ring       |
| α                | 20 °         | Chamfer angle inner ring               |
| r <sub>3,4</sub> | min. 5 mm    | Chamfer dimension on the outer ring    |

|                  |
|------------------|
| Calculation data |
|------------------|

|                           |                |           |
|---------------------------|----------------|-----------|
| Basic dynamic load rating | C              | 13 200 kN |
| Basic static load rating  | C <sub>0</sub> | 31 500 kN |
| Fatigue load limit        | P <sub>u</sub> | 2 240 kN  |
| Calculation factor        | k <sub>r</sub> | 570       |

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

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

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit

AGA BEARINGS