

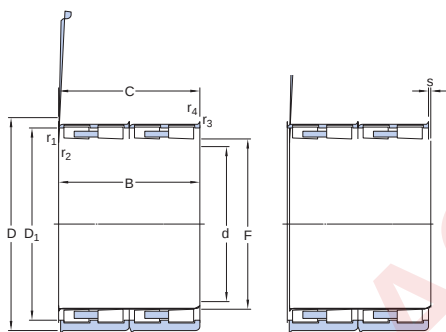
BC4-0105



Four-row cylindrical roller bearings are designed to accommodate very heavy radial loads in combination with medium to high speeds. The bearings are optimized for operating conditions typically found in long product mills, where they can provide increased performance and reduced total cost of ownership. Different design combinations of outer rings, inner rings, flange rings, etc. are available to fulfil different application demands. An important feature is the separable design, which facilitates mounting and enables the bearing components to be interchanged.

- Exceptional high radial load carrying capacity
- Low friction and long service life
- Low cross-sectional height
- Accommodate axial displacement in both directions
- Separable and interchangeable components

|                          |             |
|--------------------------|-------------|
| This bearing can replace | 313924 A    |
| Design variant/feature   | BC4.1/WO    |
| Bore type                | Cylindrical |



| Dimensions       |           |                                                                                                   |
|------------------|-----------|---------------------------------------------------------------------------------------------------|
| d                | 145 mm    | Bore diameter                                                                                     |
| D                | 225 mm    | Outside diameter                                                                                  |
| B                | 156 mm    | Total bearing width over inner ring(s)                                                            |
| C                | 156 mm    | Total bearing width over outer ring(s)                                                            |
| D <sub>1</sub>   | ≈ 197 mm  | Outer ring shoulder diameter                                                                      |
| F                | 169 mm    | Raceway diameter inner ring                                                                       |
| r <sub>1,2</sub> | min. 2 mm | Corner radius/chamfer inner ring                                                                  |
| r <sub>3,4</sub> | min. 2 mm | Chamfer dimension on the outer ring                                                               |
| s                | 3 mm      | Permissible axial displacement from the normal position of one bearing ring relative to the other |

Calculation data

|                           |                |          |
|---------------------------|----------------|----------|
| AGA performance class     | AGA Explorer   |          |
| Basic dynamic load rating | C              | 1 100 kN |
| Basic static load rating  | C <sub>0</sub> | 1 630 kN |
| Fatigue load limit        | P <sub>u</sub> | 183 kN   |

Included products

|                        |           |
|------------------------|-----------|
| Separable bearing ring | LBC4-0105 |
|------------------------|-----------|

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