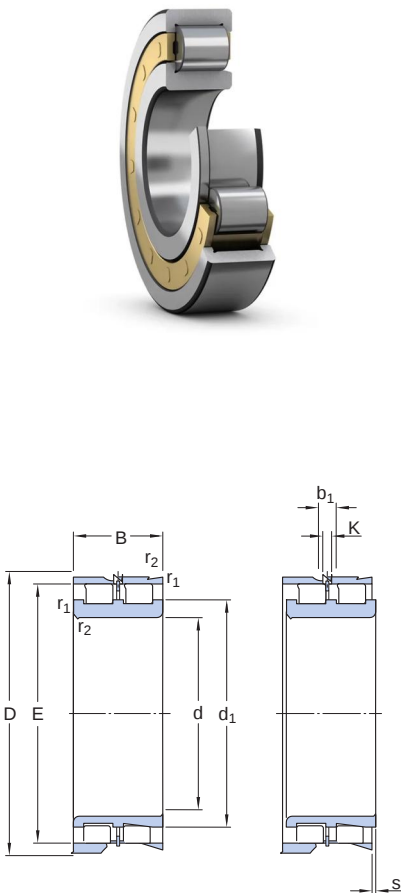


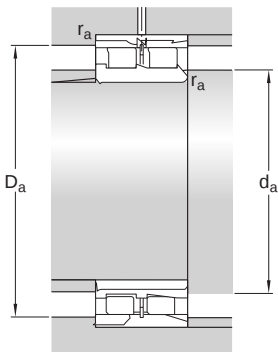
NNCL 4918 CV

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                | 90 mm       | Bore diameter                                                                                     |
| D                | 125 mm      | Outside diameter                                                                                  |
| B                | 35 mm       | Width                                                                                             |
| d <sub>1</sub>   | ≈ 103 mm    | Shoulder diameter inner ring                                                                      |
| E                | 115.2 mm    | Raceway diameter outer ring                                                                       |
| b <sub>1</sub>   | 5 mm        | Width annular lubrication groove outer ring                                                       |
| K                | 3.5 mm      | Diameter lubrication hole (outer ring)                                                            |
| s                | max. 1.5 mm | Permissible axial displacement from the normal position of one bearing ring relative to the other |
| r <sub>1,2</sub> | min. 1.1 mm | Chamfer dimension (open bearings)                                                                 |



| Abutment dimensions |               |                           |
|---------------------|---------------|---------------------------|
| d <sub>a</sub>      | min. 95.4 mm  | Abutment diameter shaft   |
| D <sub>a</sub>      | max. 119.7 mm | Abutment diameter housing |
| r <sub>a</sub>      | max. 1 mm     | Fillet radius             |

## Calculation data

|                           |                |             |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C              | 161 kN      |
| Basic static load rating  | C <sub>0</sub> | 300 kN      |
| Fatigue load limit        | P <sub>u</sub> | 35.5 kN     |
| Reference speed           |                | 2 400 r/min |
| Limiting speed            |                | 3 000 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