

**SL045009**

## Cylindrical roller bearing

Cylindrical roller bearing SL04, full complement roller set, two-row, locating bearing, central rib on outer ring, 3 ribs on inner ring, type SL04

## Technical information

**Your current product variant**

|                           |              |                           |
|---------------------------|--------------|---------------------------|
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Tolerance class           | PN           | Normal (ISO 492:2023)     |
| Number of rows            | 2            | Double-row design         |

**Main Dimensions & Performance Data**

|                          |             |                                       |
|--------------------------|-------------|---------------------------------------|
| d                        | 45 mm       | Bore diameter                         |
| D                        | 75 mm       | Outside diameter                      |
| B                        | 40 mm       | Width                                 |
| C <sub>r</sub>           | 97.000 N    | Basic dynamic load rating, radial     |
| C <sub>0r</sub>          | 139.000 N   | Basic static load rating, radial      |
| C <sub>ur</sub>          | 20.200 N    | Fatigue load limit, radial            |
| n <sub>G</sub><br>Grease | 2.800 1/min | Limiting speed for grease lubrication |
| ≈m                       | 0,645 kg    | Weight                                |



### Mounting dimensions

|                    |         |  |
|--------------------|---------|--|
| C <sub>a1</sub>    | 30 mm   | Mounting dim for snap ring WRE (not included in delivery)<br>Tolerance: 0/-0,2 |
| C <sub>a2</sub>    | 29 mm   | Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2 |
| d <sub>1</sub>     | 57,5 mm | Rib diameter inner ring  |
| d <sub>2</sub>     | 61 mm   | Sealing diameter (rib)   |
| d <sub>3</sub>     | 82 mm   | Outside diameter of snap ring WRE  |
| d <sub>1 min</sub> | 57,5 mm | Minimum diameter shaft shoulder  |
|                    | 30 °    | Chamfer angle  |
|                    | -0,2 mm | Lower distance snap ring tolerance   |
|                    | -0,2 mm | Lower distance retaining ring tolerance  |
|                    | 0 mm    | Upper distance snap ring tolerance   |
|                    | 0 mm    | Upper distance retaining ring tolerance  |
|                    | 0 mm    | Lower distance ring groove tolerance   |
|                    | 0,2 mm  | Upper distance ring groove tolerance   |

### Dimensions

|                  |         |                                   |
|------------------|---------|-----------------------------------|
| C                | 39 mm   | Width, outer ring                 |
| C <sub>1</sub>   | 34,2 mm | Distance ring grooves             |
| D <sub>1</sub>   | 72,8 mm | Diameter of groove                |
| m                | 2,7 mm  | Width of groove                   |
| r <sub>min</sub> | 0,6 mm  | Minimum chamfer dimension         |
| t                | 0,8 mm  | Chamfer width                     |
| X                | 30,5 mm | Distance between rolling elements |

### Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 120 °C | Operating temperature max. |