

**SL045017-D-PP-2NR** [↗](#)

## Cylindrical roller bearing

Cylindrical roller bearing SL04...-D-PP-2NR, 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**

|                           |              |                              |
|---------------------------|--------------|------------------------------|
| Design                    | D            | New outer Contour            |
| Sealing                   | PP           | Contact Seal on both sides   |
| Holding Rings             | 2NR          | Two retaining rings included |
| 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                        | 85 mm       | Bore diameter                         |
| D                        | 130 mm      | Outside diameter                      |
| B                        | 60 mm       | Width                                 |
| C <sub>r</sub>           | 219.000 N   | Basic dynamic load rating, radial     |
| C <sub>0r</sub>          | 365.000 N   | Basic static load rating, radial      |
| C <sub>ur</sub>          | 48.500 N    | Fatigue load limit, radial            |
| n <sub>G</sub><br>Grease | 1.510 1/min | Limiting speed for grease lubrication |
| ≈m                       | 2,66 kg     | Weight                                |



### Mounting dimensions

|                    |          |                                                                                |
|--------------------|----------|--------------------------------------------------------------------------------|
| C <sub>a1</sub>    | 49 mm    | Mounting dim for snap ring WRE (not included in delivery)<br>Tolerance: 0/-0,2 |
| C <sub>a2</sub>    | 46 mm    | Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2 |
| d <sub>1</sub>     | 104,5 mm | Rib diameter inner ring                                                        |
| d <sub>2</sub>     | 112 mm   | Sealing diameter (rib)                                                         |
| d <sub>3</sub>     | 142 mm   | Outside diameter of snap ring WRE                                              |
| d <sub>1 min</sub> | 104,5 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                | 59 mm    | Width, outer ring                 |
| C <sub>1</sub>   | 54,2 mm  | Distance ring grooves             |
| D <sub>1</sub>   | 127,1 mm | Diameter of groove                |
| m                | 4,2 mm   | Width of groove                   |
| r <sub>min</sub> | 0,6 mm   | Minimum chamfer dimension         |
| t                | 1,5 mm   | Chamfer width                     |
| X                | 48 mm    | Distance between rolling elements |

### Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -20 °C | Operating temperature min. |
| T <sub>max</sub> | 80 °C  | Operating temperature max. |