

**SL04170-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                        | 170 mm      | Bore diameter                         |
| D                        | 230 mm      | Outside diameter                      |
| B                        | 80 mm       | Width                                 |
| C <sub>r</sub>           | 490.000 N   | Basic dynamic load rating, radial     |
| C <sub>0r</sub>          | 1.030.000 N | Basic static load rating, radial      |
| C <sub>ur</sub>          | 129.000 N   | Fatigue load limit, radial            |
| n <sub>G</sub><br>Grease | 790 1/min   | Limiting speed for grease lubrication |
| ≈m                       | 8,793 kg    | Weight                                |



### Mounting dimensions

|                    |         |  |
|--------------------|---------|--|
| C <sub>a1</sub>    | 65 mm   | Mounting dim for snap ring WRE (not included in delivery)<br>Tolerance: 0/-0,2 |
| C <sub>a2</sub>    | 61 mm   | Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2 |
| d <sub>1</sub>     | 194 mm  | Rib diameter inner ring  |
| d <sub>2</sub>     | 206 mm  | Sealing diameter (rib)   |
| d <sub>3</sub>     | 250 mm  | Outside diameter of snap ring WRE  |
| d <sub>1 min</sub> | 194 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                | 79 mm   | Width, outer ring                 |
| C <sub>1</sub>   | 71,2 mm | Distance ring grooves             |
| D <sub>1</sub>   | 226 mm  | Diameter of groove                |
| m                | 5,2 mm  | Width of groove                   |
| r <sub>min</sub> | 0,6 mm  | Minimum chamfer dimension         |
| t                | 1,8 mm  | Chamfer width                     |
| X                | 64 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. |