

**SL045044-D-PP** [↗](#)

## Cylindrical roller bearing

Cylindrical roller bearing SL04...-D-PP, 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 |
| Radial internal clearance      | CN (Group N) | Normal internal clearance  |
| Tolerance class                | PN           | Normal (PN)                |
| Number of rolling element rows | 2            | Double-row design          |

## Main Dimensions &amp; Performance Data

|                 |             |                                       |
|-----------------|-------------|---------------------------------------|
| d               | 220 mm      | Bore diameter                         |
| D               | 340 mm      | Outside diameter                      |
| B               | 160 mm      | Width                                 |
| $C_r$           | 1.570.000 N | Basic dynamic load rating, radial     |
| $C_{0r}$        | 3.050.000 N | Basic static load rating, radial      |
| $C_{ur}$        | 370.000 N   | Fatigue load limit, radial            |
| $n_G$<br>Grease | 560 1/min   | Limiting speed for grease lubrication |
| $\approx m$     | 51,025 kg   | Weight                                |



### Mounting dimensions

|                    |          |                                                                                |
|--------------------|----------|--------------------------------------------------------------------------------|
| C <sub>a1</sub>    | 130 mm   | Mounting dim for snap ring WRE (not included in delivery)<br>Tolerance: 0/-0,2 |
| C <sub>a2</sub>    | 126 mm   | Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2 |
| d <sub>1</sub>     | 260 mm   | Rib diameter inner ring                                                        |
| d <sub>2</sub>     | 286 mm   | Sealing diameter (rib)                                                         |
| d <sub>3</sub>     | 366 mm   | Outside diameter of snap ring WRE                                              |
| d <sub>1 min</sub> | 260,5 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                | 159 mm   | Width, outer ring                 |
| C <sub>1</sub>   | 138,2 mm | Distance ring grooves             |
| D <sub>1</sub>   | 334 mm   | Diameter of groove                |
| m                | 6,3 mm   | Width of groove                   |
| r <sub>min</sub> | 1 mm     | Minimum chamfer dimension         |
| t                | 2 mm     | Chamfer width                     |
| X                | 132 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. |



### Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides



Large bearing