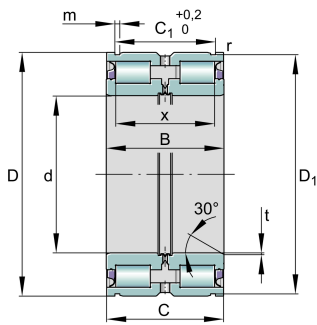


**SL045030-D-PP-C5-GA22**

## 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      | C5 (Group 5) | Internal clearance larger than C4 |
| Tolerance class                | PN           | Normal (PN)                       |
| Number of rolling element rows | 2            | Double-row design                 |

## Main Dimensions &amp; Performance Data

|                 |             |                                       |
|-----------------|-------------|---------------------------------------|
| d               | 150 mm      | Bore diameter                         |
| D               | 225 mm      | Outside diameter                      |
| B               | 100 mm      | Width                                 |
| $C_r$           | 710.000 N   | Basic dynamic load rating, radial     |
| $C_{0r}$        | 1.260.000 N | Basic static load rating, radial      |
| $C_{ur}$        | 166.000 N   | Fatigue load limit, radial            |
| $n_G$<br>Grease | 850 1/min   | Limiting speed for grease lubrication |
| $\approx m$     | 12,78 kg    | Weight                                |



### Mounting dimensions

|                    |         |  |
|--------------------|---------|--|
| C <sub>a1</sub>    | 81 mm   | Mounting dim for snap ring WRE (not included in delivery)<br>Tolerance: 0/-0,2 |
| C <sub>a2</sub>    | 77 mm   | Mounting dim for retaining ring to DIN 471 (not incl. In delivery) Tol: 0/-0,2 |
| d <sub>1</sub>     | 176 mm  | Rib diameter inner ring  |
| d <sub>2</sub>     | 192 mm  | Sealing diameter (rib)   |
| d <sub>3</sub>     | 245 mm  | Outside diameter of snap ring WRE  |
| d <sub>1 min</sub> | 176 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                | 99 mm   | Width, outer ring                 |
| C <sub>1</sub>   | 87,2 mm | Distance ring grooves             |
| D <sub>1</sub>   | 221 mm  | Diameter of groove                |
| m                | 5,2 mm  | Width of groove                   |
| r <sub>min</sub> | 0,6 mm  | Minimum chamfer dimension         |
| t                | 2 mm    | Chamfer width                     |
| X                | 80 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