

**SL024914**

## Cylindrical roller bearing

Cylindrical roller bearing SL02...-A, full complement roller set, two-row, non-locating bearing, 0 ribs on outer ring (smooth), 3 ribs on inner ring, type SL02

## Technical information



## Your current product variant

|                           |              |                           |
|---------------------------|--------------|---------------------------|
| Design                    | A            | Internal Variant A        |
| 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 &amp; Performance Data

|          |             |                                   |
|----------|-------------|-----------------------------------|
| d        | 70 mm       | Bore diameter                     |
| D        | 100 mm      | Outside diameter                  |
| B        | 30 mm       | Width                             |
| $C_r$    | 106.000 N   | Basic dynamic load rating, radial |
| $C_{0r}$ | 185.000 N   | Basic static load rating, radial  |
| $C_{ur}$ | 27.500 N    | Fatigue load limit, radial        |
| $n_G$    | 3.900 1/min | Limiting speed                    |
| $n_{gr}$ | 2.330 1/min | Reference speed                   |
| $m$      | 0,752 kg    | Weight                            |

## Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{c \min}$ | 82,5 mm | Minimum shaft shoulder               |
| $d_{a \min}$ | 82,5 mm | Minimum diameter shaft shoulder      |
| $D_{e \min}$ | 91,5 mm | Minimum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm    | Maximum recess radius                |



### Dimensions

|              |          |                                 |
|--------------|----------|---------------------------------|
| $r_{\min}$   | 1 mm     | Minimum chamfer dimension       |
| s            | 1 mm     | Axial displacement              |
| C            | 15 mm    | Distance to lubrication hole    |
| $d_{1 \max}$ | 82,5 mm  | Maximum rib diameter inner ring |
| E            | 91,87 mm | Raceway diameter outer ring     |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

### Additional information

|           |                             |
|-----------|-----------------------------|
| NNCL4914V | Bearing designation DIN5412 |
|-----------|-----------------------------|

### Characteristics

-  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed