

**SL014848**

## Cylindrical roller bearing

Cylindrical roller bearings, locating bearing, double row, full complement cylindrical roller set, dimension series 48

## Technical information



## Your current product variant

|                           |              |                           |
|---------------------------|--------------|---------------------------|
| Design                    | A            | Internal Variant Cage     |
| Radial internal clearance | CN (Group N) | Normal internal clearance |
| Tolerance class           | PN           | Normal (PN)               |
| Number of rows            | 2            | Double-row design         |

## Main Dimensions &amp; Performance Data

|          |             |                                   |
|----------|-------------|-----------------------------------|
| d        | 240 mm      | Bore diameter                     |
| D        | 300 mm      | Outside diameter                  |
| B        | 60 mm       | Width                             |
| $C_r$    | 510.000 N   | Basic dynamic load rating, radial |
| $C_{0r}$ | 1.260.000 N | Basic static load rating, radial  |
| $C_{ur}$ | 144.000 N   | Fatigue load limit, radial        |
| $n_G$    | 1.170 1/min | Limiting speed                    |
| $n_{gr}$ | 730 1/min   | Reference speed                   |
| $m$      | 10 kg       | Weight                            |

## Mounting dimensions

|              |          |                                      |
|--------------|----------|--------------------------------------|
| $r_{a \max}$ | 2 mm     | Maximum recess radius                |
| $d_{a \min}$ | 259,5 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 277 mm   | Maximum diameter of housing shoulder |



## Dimensions

|              |          |                                 |
|--------------|----------|---------------------------------|
| $r_{\min}$   | 2 mm     | Minimum chamfer dimension       |
| $d_1$        | 259,5 mm | Maximum rib diameter inner ring |
| $D_1 \min$   | 276,7 mm | Minimum rib diameter outer ring |
| $d_{c \min}$ | 259,5 mm | Minimum shaft shoulder          |
| C            | 30 mm    | Distance to lubrication hole    |

## Temperature range

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

## Additional information

NNC4848V

Bearing designation DIN5412

## Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed