

**SL024936**

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 & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 180 mm | Bore diameter |
| D | 250 mm | Outside diameter |
| B | 69 mm | Width |
| C_r | 570.000 N | Basic dynamic load rating, radial |
| C_{0r} | 1.200.000 N | Basic static load rating, radial |
| C_{ur} | 149.000 N | Fatigue load limit, radial |
| n_G | 1.480 1/min | Limiting speed |
| n_{gr} | 920 1/min | Reference speed |
| m | 10,178 kg | Weight |

Mounting dimensions

| | | |
|--------------|----------|--------------------------------------|
| $d_{c \min}$ | 205 mm | Minimum shaft shoulder |
| $d_{a \min}$ | 204,9 mm | Minimum diameter shaft shoulder |
| $D_{e \min}$ | 230,5 mm | Minimum diameter of housing shoulder |
| $r_{a \max}$ | 2 mm | Maximum recess radius |



Dimensions

| | | |
|--------------|----------|---------------------------------|
| r_{\min} | 2 mm | Minimum chamfer dimension |
| s | 4 mm | Axial displacement |
| C | 34,5 mm | Distance to lubrication hole |
| $d_{1 \max}$ | 204,9 mm | Maximum rib diameter inner ring |
| E | 230,5 mm | Raceway diameter outer ring |





Temperature range

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

Additional information

| | |
|-----------|-----------------------------|
| NNCL4936V | Bearing designation DIN5412 |
|-----------|-----------------------------|

Characteristics

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