

**SL024840**

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 (PN) |
| Number of rolling element rows | 2 | Double-row design |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|-----------------------------------|
| d | 200 mm | Bore diameter |
| D | 250 mm | Outside diameter |
| B | 50 mm | Width |
| C _r | 320.000 N | Basic dynamic load rating, radial |
| C _{0r} | 770.000 N | Basic static load rating, radial |
| C _{ur} | 86.000 N | Fatigue load limit, radial |
| n _G | 1.410 1/min | Limiting speed |
| n _{gr} | 960 1/min | Reference speed |
| m | 5,34 kg | Weight |

Mounting dimensions

| | | |
|--------------------|----------|--------------------------------------|
| d _{c min} | 218,5 mm | Minimum shaft shoulder |
| d _{a min} | 218,1 mm | Minimum diameter shaft shoulder |
| D _{e min} | 235,5 mm | Minimum diameter of housing shoulder |
| r _{a max} | 1,5 mm | Maximum recess radius |



Dimensions

| | | |
|--------------|----------|---------------------------------|
| r_{\min} | 1,5 mm | Minimum chamfer dimension |
| s | 4 mm | Axial displacement |
| C | 25 mm | Distance to lubrication hole |
| $d_{1 \max}$ | 218,1 mm | Maximum rib diameter inner ring |
| E | 235,5 mm | Raceway diameter outer ring |





Temperature range

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

Additional information

| | |
|-----------|-----------------------------|
| NNCL4840V | Bearing designation DIN5412 |
|-----------|-----------------------------|

Characteristics

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