

**SL014920**

Cylindrical roller bearing

Cylindrical roller bearings SL0149, locating bearing, double row, full complement cylindrical roller set, dimension series 49

Technical information



Your current product variant

| | | |
|---------------------------|--------------|---------------------------|
| Design | A | Internal Variant Cage |
| 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 | 100 mm | Bore diameter |
| D | 140 mm | Outside diameter |
| B | 40 mm | Width |
| C_r | 191.000 N | Basic dynamic load rating, radial |
| C_{0r} | 370.000 N | Basic static load rating, radial |
| C_{ur} | 48.500 N | Fatigue load limit, radial |
| n_G | 2.700 1/min | Limiting speed |
| n_{gr} | 1.720 1/min | Reference speed |
| m | 1,922 kg | Weight |

Mounting dimensions

| | | |
|--------------|----------|--------------------------------------|
| $r_{a \max}$ | 1,1 mm | Maximum recess radius |
| $d_{a \min}$ | 116,4 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 125 mm | Maximum diameter of housing shoulder |



Dimensions

| | | |
|--------------|----------|---------------------------------|
| r_{\min} | 1,1 mm | Minimum chamfer dimension |
| d_1 | 116,4 mm | Maximum rib diameter inner ring |
| $D_1 \min$ | 125 mm | Minimum rib diameter outer ring |
| $d_{c \min}$ | 116 mm | Minimum shaft shoulder |
| C | 20 mm | Distance to lubrication hole |

Temperature range

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

Additional information

NNC4920V

Bearing designation DIN5412

Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed