

**SL014912-A-C3**

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 | C3 (Group 3) | Internal clearance larger than CN |
| Tolerance class | PN | Normal (ISO 492:2023) |
| Number of rows | 2 | Double-row design |

Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 60 mm | Bore diameter |
| D | 85 mm | Outside diameter |
| B | 25 mm | Width |
| C_r | 70.000 N | Basic dynamic load rating, radial |
| C_{0r} | 121.000 N | Basic static load rating, radial |
| C_{ur} | 17.700 N | Fatigue load limit, radial |
| n_G | 4.650 1/min | Limiting speed |
| n_{gr} | 2.650 1/min | Reference speed |
| m | 456 g | Weight |

Mounting dimensions

| | | |
|--------------|---------|--------------------------------------|
| $r_{a \max}$ | 1 mm | Maximum recess radius |
| $d_{a \min}$ | 70,3 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 73,5 mm | Maximum diameter of housing shoulder |



Dimensions

| | | |
|--------------|---------|---------------------------------|
| r_{\min} | 1 mm | Minimum chamfer dimension |
| d_1 | 70,3 mm | Maximum rib diameter inner ring |
| $D_1 \min$ | 73,5 mm | Minimum rib diameter outer ring |
| $d_{c \min}$ | 70 mm | Minimum shaft shoulder |
| C | 12,5 mm | Distance to lubrication hole |

Temperature range

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

Additional information

NNC4912V

Bearing designation DIN5412

Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed