

**SL014944-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 (PN)
Number of rows	2	Double-row design

## Main Dimensions &amp; Performance Data

d	220 mm	Bore diameter
D	300 mm	Outside diameter
B	80 mm	Width
$C_r$	700.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.550.000 N	Basic static load rating, radial
$C_{ur}$	185.000 N	Fatigue load limit, radial
$n_G$	1.220 1/min	Limiting speed
$n_{gr}$	750 1/min	Reference speed
$m$	16,38 kg	Weight

## Mounting dimensions

$r_{a \max}$	2,1 mm	Maximum recess radius
$d_{a \min}$	248 mm	Minimum diameter shaft shoulder
$D_{a \max}$	268,5 mm	Maximum diameter of housing shoulder



## Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$d_1$	248 mm	Maximum rib diameter inner ring
$D_1 \min$	268,5 mm	Minimum rib diameter outer ring
$d_{c \min}$	248 mm	Minimum shaft shoulder
C	40 mm	Distance to lubrication hole

## Temperature range

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

## Additional information

NNC4944V

Bearing designation DIN5412

## Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed