

**SL024996-A** [↗](#)

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	480 mm	Bore diameter
D	650 mm	Outside diameter
B	170 mm	Width
C_r	3.450.000 N	Basic dynamic load rating, radial
C_{0r}	8.800.000 N	Basic static load rating, radial
C_{ur}	870.000 N	Fatigue load limit, radial
n_G	540 1/min	Limiting speed
n_{gr}	227 1/min	Reference speed
m	167,5 kg	Weight

Mounting dimensions

$d_{c \min}$	537,5 mm	Minimum shaft shoulder
$d_{a \min}$	537,4 mm	Minimum diameter shaft shoulder
$D_{e \min}$	601,5 mm	Minimum diameter of housing shoulder
$r_{a \max}$	5 mm	Maximum recess radius



Dimensions

r_{\min}	5 mm	Minimum chamfer dimension
s	8,5 mm	Axial displacement
C	85 mm	Distance to lubrication hole
$d_{1 \max}$	537,4 mm	Maximum rib diameter inner ring
E	601,4 mm	Raceway diameter outer ring



Temperature range

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

Additional information

NNCL4972V	Bearing designation DIN5412
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Characteristics

	Radial load
	Grease Lubrication
	Oil Lubrication
	Not sealed