

**NKI50/25-XL-C3**

Needle roller bearing

Needle roller bearings NKI, light series

X-life

Technical information



Your current product variant

Cage	Standard	
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Coating	Without	

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	68 mm	Outside diameter
B	25 mm	Width
C _r	45.500 N	Basic dynamic load rating, radial
C _{0r}	82.000 N	Basic static load rating, radial
C _{ur}	14.300 N	Fatigue load limit, radial
n _G	8.400 1/min	Limiting speed
n _{gr}	4.950 1/min	Reference speed
≈m	269,25 g	Weight

Dimensions

F	55 mm	Raceway diameter inner ring
r _{min}	0,6 mm	Minimum chamfer dimension
s	1,5 mm	Axial displacement



Temperature range

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

Characteristics

-  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Small design envelope