

**NKI100/40-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	100 mm	Bore diameter
D	130 mm	Outside diameter
B	40 mm	Width
C_r	143.000 N	Basic dynamic load rating, radial
C_{0r}	290.000 N	Basic static load rating, radial
C_{ur}	51.000 N	Fatigue load limit, radial
n_G	4.200 1/min	Limiting speed
n_{gr}	2.600 1/min	Reference speed
m	1,322 kg	Weight

Dimensions

F	110 mm	Raceway diameter inner ring
r_{min}	1,1 mm	Minimum chamfer dimension
s	2 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