

**NKIS50-XL-C3**

Radial roller bearing

Needle roller bearings NKIS, heavy series

X-life

Technical information



Your current product variant

Cage	Standard	
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Lubrication hole	With	With
Coating	Without	
Sealing	Without	
Special features	Without	
Number of rows	1	Single-row design

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	80 mm	Outside diameter
B	28 mm	Width
C_r	71.000 N	Basic dynamic load rating, radial
C_{0r}	98.000 N	Basic static load rating, radial
C_{ur}	17.600 N	Fatigue load limit, radial
n_G	7.400 1/min	Limiting speed
$n_{G \text{ Grease}}$	4.400 1/min	Limiting speed for grease lubrication
$n_{\vartheta r}$	4.250 1/min	Reference speed
$\approx m$	0,526 kg	Weight



Dimensions

r_{\min}	1,1 mm	Minimum chamfer dimension
F	60 mm	Raceway diameter inner ring
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