

**NKI50/35-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	35 mm	Width
C_r	60.000 N	Basic dynamic load rating, radial
C_{0r}	118.000 N	Basic static load rating, radial
C_{ur}	21.600 N	Fatigue load limit, radial
n_G	8.400 1/min	Limiting speed
n_{gr}	4.900 1/min	Reference speed
m	380 g	Weight

Dimensions

F	55 mm	Raceway diameter inner ring
r_{min}	0,6 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