

NKI 12/16

Popular item

Needle roller bearings with machined rings, with an inner ring

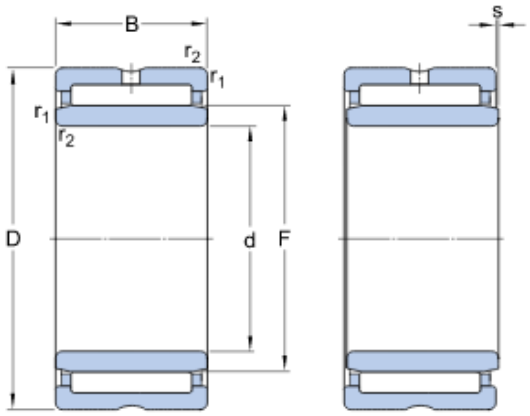
Bearing data

Tolerances,
Normal, P6, P5,
Radial internal clearance,
table

Design considerations

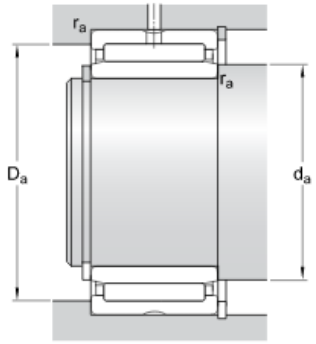
Shaft and housing tolerances,
shaft, housing

Technical specification



DIMENSIONS

d	12 mm
D	24 mm
B	16 mm
F	16 mm
$r_{1,2}$	min. 0.3 mm
s	max. 0.5 mm



ABUTMENT DIMENSIONS

d_a	min. 14 mm
D_a	max. 22 mm
r_a	max. 0.3 mm

CALCULATION DATA

Basic dynamic load rating	C	11.7 kN
Basic static load rating	C_0	15.3 kN
Fatigue load limit	P_u	1.8 kN
Reference speed		22000 r/min
Limiting speed		26000 r/min

MASS

Mass bearing	0.033 kg

More information

Product details

- Designs and variants
- Bearing data
- Loads
- Temperature limits
- Permissible speed
- Design considerations
- Designation system

Engineering information

- Principles of rolling bearing selection
- General bearing knowledge
- Bearing selection process
- Bearing failure and how to prevent it

Tools

- SimPro Quick
- Bearing Select
- Engineering Calculator
- LubeSelect for SKF greases
- Heater Selection Tool
- skf.com/mount

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