

NK 5/10 TN

- Popular item

Needle roller bearings with machined rings, without an inner ring

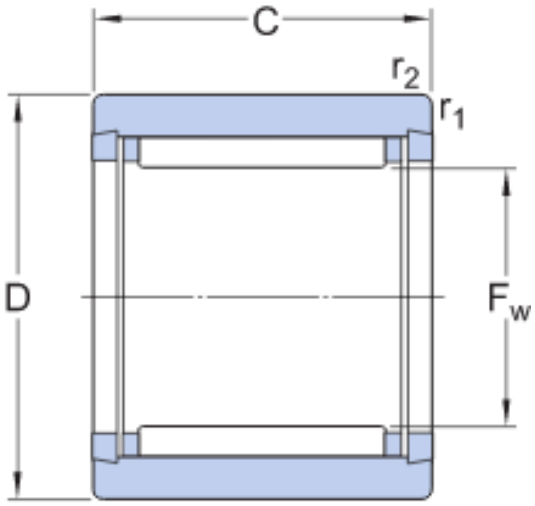
Bearing data

Tolerances,
Normal, P6, P5, ISO - F6 (Fw),
Radial internal clearance,
table

Design considerations

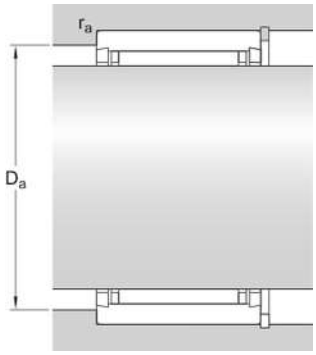
Housing tolerances,
table,
Shaft tolerances,
Operating clearance

Technical specification



DIMENSIONS

F_w	5 mm	Diameter under rollers
D	10 mm	Outside diameter
C	10 mm	Width
r1,2	min.0.15 mm	Chamfer dimension outer ring



ABUTMENT DIMENSIONS

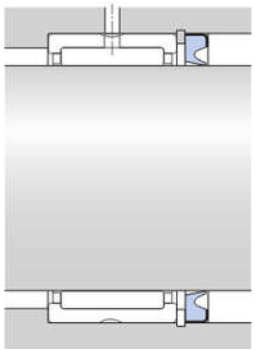
Da	max.8.8 mm	Abutment diameter housing (with flanges)
ra	max.0.1 mm	Fillet radius

CALCULATION DATA

Basic dynamic load rating	C	2.29 kN
Basic static load rating	C_0	2 kN
Fatigue load limit	P_u	0.212 kN
Reference speed		36 000 r/min
Limiting speed		40 000 r/min

MASS

Mass bearing	0.003 kg



ASSOCIATED SEALS

Radial shaft seal with a low cross-sectional height, single lip	G 5x10x2 S	Radial shaft seal with a low cross-sectional height, single lip

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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