

NK 90/25

Popular item

Needle roller bearings with machined rings, without an inner ring

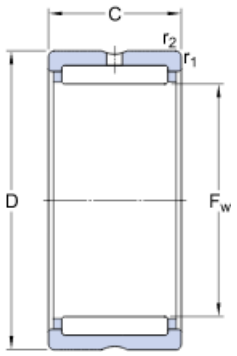
Bearing data

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

Design considerations

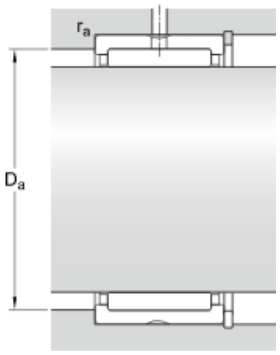
Housing tolerances,
table,
Shaft tolerances,
Operating clearance

Technical specification



DIMENSIONS

F_w	90 mm
D	110 mm
C	25 mm
$r_{1,2}$	min. 1 mm



ABUTMENT DIMENSIONS

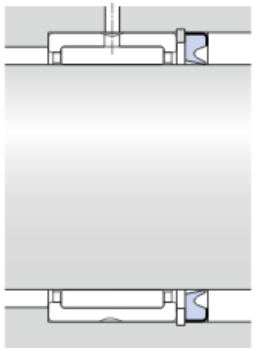
D_a	max. 105 mm
r_a	max. 1 mm

CALCULATION DATA

Basic dynamic load rating	C	72.1 kN
Basic static load rating	C_0	140 kN
Fatigue load limit	P_u	18 kN
Reference speed		4500 r/min
Limiting speed		5000 r/min

MASS

Mass bearing	0.45 kg



ASSOCIATED SEALS

Radial shaft seal	90x110x10 HMS5 RG

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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