

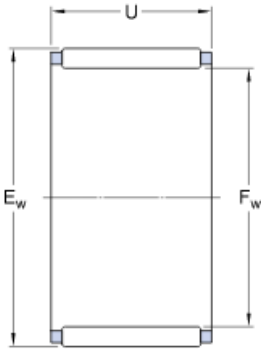
K 16X22X12

Needle roller and cage assemblies

Bearing data
Tolerances,
gauges,
Radial internal clearance

Design considerations
Shaft and housing tolerances

Technical specification



DIMENSIONS

F_w	16 mm
E_w	22 mm
U	12 mm

CALCULATION DATA

Basic dynamic load rating	C	11 kN
Basic static load rating	C_0	12.5 kN
Fatigue load limit	P_u	1.5 kN
Reference speed		22000 r/min
Limiting speed		26000 r/min

MASS

Mass needle roller and cage assembly	0.01 kg

ASSOCIATED PRODUCTS

Designation associated G design radial shaft seal with a low cross-sectional height	G 16x22x3
Designation associated SD design radial shaft seal with a low cross-sectional height	SD 16x22x3

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

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