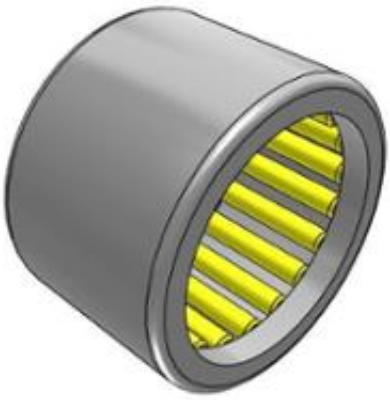


HK 1816

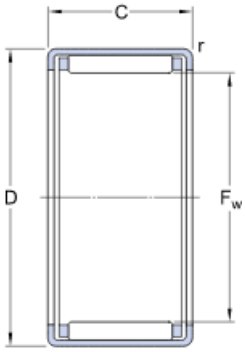
Popular item

Drawn cup needle roller bearings

Bearing data
Tolerances,
table

Design considerations
Shaft and housing tolerances,
table

Technical specification



DIMENSIONS

F_w	18 mm
D	24 mm
C	16 mm
r	min. 0.8 mm

CALCULATION DATA

Basic dynamic load rating	C	11.2 kN
Basic static load rating	C_0	17.6 kN
Fatigue load limit	P_u	2.04 kN
Reference speed		13000 r/min
Limiting speed		15000 r/min

MASS

Mass bearing	0.018 kg

ASSOCIATED PRODUCTS

Inner ring IR series	IR 15x18x16.5
Inner ring LR series	LR 15x18x16.5
Radial shaft seal with a low cross-sectional height, single lip	G 18x24x3
Radial shaft seal with a low cross-sectional height, double lip	SD 18x24x3

More information

Product details

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