

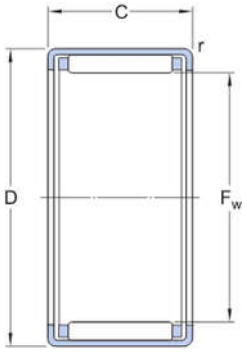
HK 1010

Drawn cup needle roller bearings

Bearing data
Tolerances,
table

Design considerations
Shaft and housing tolerances,
table

Technical specification



DIMENSIONS

F_w	10	mm	Diameter under rollers
D	14	mm	Outside diameter
C	10	mm	Width
r	min. 0.4	mm	Chamfer dimension drawn cup (outer ring)

CALCULATION DATA

Basic dynamic load rating	C	4.29 kN
Basic static load rating	C_0	5.3 kN
Fatigue load limit	P_u	0.57 kN
Reference speed		18 000 r/min
Limiting speed		20 000 r/min

MASS

Mass bearing	0.004 kg

ASSOCIATED PRODUCTS

Inner ring IR series	IR 7x10x10.5
Inner ring LR series	LR 7x10x10.5
Radial shaft seal with a low cross-sectional height, single lip	G 10x14x3

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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