SKF®

HK 1012
– Popular item

Drawn cup needle roller bearings

Bearing data	Design considerations
Tolerances,	Shaft and housing tolerances,
table	table

Technical specification
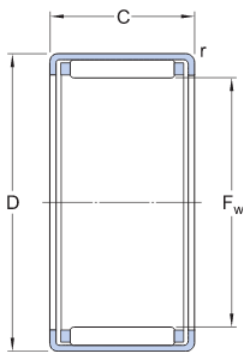
DIMENSIONS

F_w	10	mm	Diameter under rollers
D	14	mm	Outside diameter
C	12	mm	Width
r	min.0.4 mm		Chamfer dimension drawn cup (outer ring)

CALCULATION DATA

Basic dynamic load rating	C	5.39 kN
Basic static load rating	C_0	6.95 kN
Fatigue load limit	P_u	0.78 kN
Reference speed		18 000 r/min
Limiting speed		20 000 r/min

MASS

Mass bearing	0.005 kg

ASSOCIATED PRODUCTS

Inner ring IR series	IR 7x10x12
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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