



HK 3012

- Popular item

Drawn cup needle roller bearings

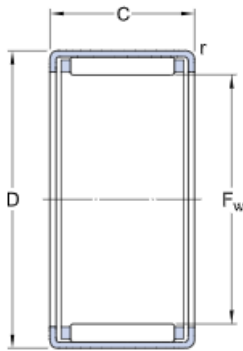
Bearing data

[Tolerances,](#)
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Design considerations

[Shaft and housing tolerances,](#)
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Technical specification



DIMENSIONS

Fw	30 mm	Diameter under rollers
D	37 mm	Outside diameter
C	12 mm	Width
r	min.0.8 mm	Chamfer dimension drawn cup (outer ring)

CALCULATION DATA

Basic dynamic load rating	C	11.7 kN
Basic static load rating	C ₀	18.3 kN
Fatigue load limit	P _u	2.12 kN
Reference speed		8 000 r/min
Limiting speed		9 000 r/min

MASS

Mass bearing	0.023 kg
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ASSOCIATED PRODUCTS

Inner ring LR series	LR 25x30x12.5
Radial shaft seal with a low cross-sectional height, single lip	G 30x37x4
Radial shaft seal with a low cross-sectional height, double lip	SD 30x37x4

More information

Product details	Product details	Engineering information	Engineering information	Tools	Tools
Designs and variants	Designs and variants	Principles of rolling bearing selection	Principles of rolling bearing selection	SimPro Quick	SimPro Quick
Bearing data	Bearing data	General bearing knowledge	General bearing knowledge	Bearing Select	Bearing Select
Loads	Loads	Bearing selection process	Bearing selection process	Engineering Calculator	Engineering Calculator
Temperature limits	Temperature limits	Bearing failure and how to prevent it	Bearing failure and how to prevent it	LubeSelect for SKF greases	LubeSelect for SKF greases
Permissible speed	Permissible speed			Heater Selection Tool	Heater Selection Tool
Design considerations	Design considerations			skf.com/mount	skf.com/mount
Mounting	Mounting				
Designation system	Designation system				

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