# SKF.



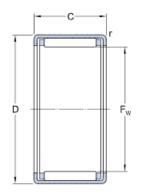
# HK 0509

Popular item

## Drawn cup needle roller bearings

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

# Technical specification



## DIMENSIONS

$F_{w}$	5 mm
D	9 mm
С	9 mm
r	min. 0.4 mm

## CALCULATION DATA

Basic dynamic load rating	С	2.38 kN
Basic static load rating	C <sub>O</sub>	2.08 kN
Fatigue load limit	P <sub>u</sub>	0.22 kN
Reference speed		22 000 r/min
Limiting speed		24 000 r/min

#### MASS

Mass bearing	0.002 kg





### ASSOCIATED PRODUCTS

Radial shaft seal with a low cross-sectional height, single lip

G 5x9x2 S

### More information

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



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