



# HK 0709

## Drawn cup needle roller bearings

### Bearing data

[Tolerances,](#)

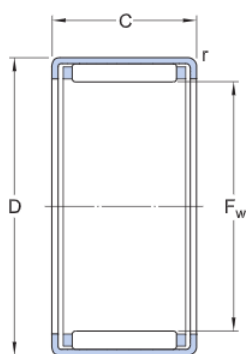
table

### Design considerations

[Shaft and housing tolerances,](#)

table

## Technical specification



### DIMENSIONS

$F_w$	7 mm	Diameter under rollers
D	11 mm	Outside diameter
C	9 mm	Width
r	min. 0.4 mm	Chamfer dimension drawn cup (outer ring)

## CALCULATION DATA

Basic dynamic load rating	C	3.03 kN
Basic static load rating	$C_0$	3.05 kN
Fatigue load limit	$P_u$	0.325 kN
Reference speed		20 000 r/min
Limiting speed		22 000 r/min

## MASS

Mass bearing	0.003 kg
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## ASSOCIATED PRODUCTS

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

G 7x11x2  
S

## 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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