



HK 0709

Drawn cup needle roller bearings

Bearing data

[Tolerances,](#)

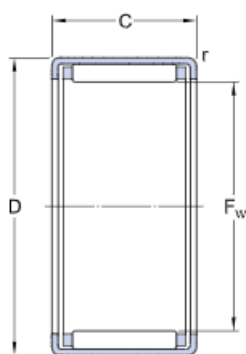
table

Design considerations

[Shaft and housing tolerances,](#)

table

Technical specification



DIMENSIONS

F_w	7 mm
D	11 mm
C	9 mm
r	min. 0.4 mm

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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