

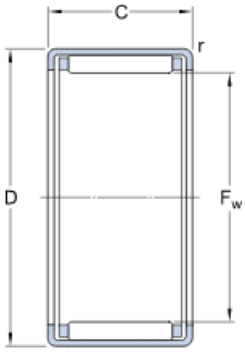
# HK 0709

## 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 | | 20000 r/min |
| Limiting speed | | 22000 r/min |

### MASS

| | |
|---|---|
| Mass bearing | 0.0026 kg |

## 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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