



HK 0609

Drawn cup needle roller bearings

Bearing data

[Tolerances,](#)

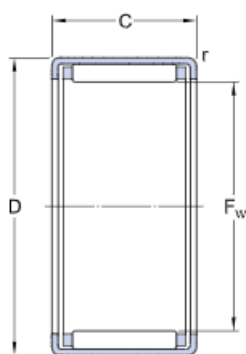
table

Design considerations

[Shaft and housing tolerances,](#)

table

Technical specification



DIMENSIONS

| | |
|-------|-------------|
| F_w | 6 mm |
| D | 10 mm |
| C | 9 mm |
| r | min. 0.4 mm |

CALCULATION DATA

| | | |
|---------------------------|-------|--------------|
| Basic dynamic load rating | C | 2.81 kN |
| Basic static load rating | C_0 | 2.7 kN |
| Fatigue load limit | P_u | 0.285 kN |
| Reference speed | | 20 000 r/min |
| Limiting speed | | 22 000 r/min |

MASS

| | |
|--------------|----------|
| Mass bearing | 0.003 kg |
|--------------|----------|

ASSOCIATED PRODUCTS

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

G 6x10x2 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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