

**HK0509** [↗](#)

Drawn cup needle roller bearing open end

Drawn cup needle roller bearing open end
HK, single row, with cage

Technical information



Your current product variant

Lubricant	Without
Lubrication hole	Without
Coating	Without
Sealing	Without

Main Dimensions & Performance Data

F_w	5 mm	Under roller diameter
D	9 mm	Outside diameter
C	9 mm	Width
C_r	2.400 N	Basic dynamic load rating, radial
C_{0r}	1.990 N	Basic static load rating, radial
C_{ur}	243 N	Fatigue load limit, radial
n_G	39.000 1/min	Limiting speed
n_G Grease	23.500 1/min	Limiting speed for grease lubrication
n_{gr}	36.500 1/min	Reference speed
$\approx m$	2 g	Weight

Dimensions

C_1	9 mm	Width, outer ring
r_{min}	0,4 mm	Minimum chamfer dimension








Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	140 °C	Operating temperature max.

Additional information

GR5X9X2 Sealing ring

Characteristics

-  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Small design envelope