

**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 &amp; 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
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### Characteristics

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