

**HK0509-B-L091** [↗](#)

Drawn cup needle roller bearing open end

Drawn cup needle roller bearings with open ends HK, to DIN 618/ISO 3245

Technical information



Your current product variant

Lubricant	L091	Grease (L091/customer specific)
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
m	2,03 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