

**HK4012-B-L114** [↗](#)

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	L114	Grease (L114/customer specific)
Lubrication hole	Without	
Coating	Without	
Sealing	Without	

## Main Dimensions &amp; Performance Data

$F_w$	40 mm	Under roller diameter
D	47 mm	Outside diameter
C	12 mm	Width
$C_r$	14.000 N	Basic dynamic load rating, radial
$C_{0r}$	24.300 N	Basic static load rating, radial
$C_{ur}$	3.250 N	Fatigue load limit, radial
$n_G$	6.600 1/min	Limiting speed
$n_{G \text{ Grease}}$	3.950 1/min	Limiting speed for grease lubrication
$n_{gr}$	5.200 1/min	Reference speed
$\approx m$	29,52 g	Weight

## Dimensions

$C_1$	12 mm	Width, outer ring
$r_{\min}$	0,8 mm	Minimum chamfer dimension



### Temperature range

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

### Additional information

SD40X47X4	Sealing ring
G40X47X4	Sealing ring 2
LR35X40X12,5	Suitable inner rings LR

### Characteristics

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