

**HK4512-B**

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	Without
Lubrication hole	Without
Coating	Without
Sealing	Without

Main Dimensions & Performance Data

F_w	45 mm	Under roller diameter
D	52 mm	Outside diameter
C	12 mm	Width
C_r	14,900 N	Basic dynamic load rating, radial
C_{0r}	27,500 N	Basic static load rating, radial
C_{ur}	3,650 N	Fatigue load limit, radial
n_G	5,900 1/min	Limiting speed
$n_{G \text{ Grease}}$	3,550 1/min	Limiting speed for grease lubrication
n_{gr}	4,650 1/min	Reference speed
$\approx m$	32.64 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

SD45X52X4	Sealing ring
G45X52X4	Sealing ring 2

Characteristics

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