

**HK4520-AS1-B**

Drawn cup needle roller bearing open end

Drawn cup needle roller bearing open end
HK...AS1-B, single row, with cage

Technical information



Your current product variant

Lubricant	Without	
Lubrication hole	AS1	With (1)
Coating	Without	
Sealing	Without	

Main Dimensions & Performance Data

F_w	45 mm	Under roller diameter
D	52 mm	Outside diameter
C	20 mm	Width
C_r	27.000 N	Basic dynamic load rating, radial
C_{0r}	59.000 N	Basic static load rating, radial
C_{ur}	7.700 N	Fatigue load limit, radial
n_G	5.900 1/min	Limiting speed
n_G Grease	3.550 1/min	Limiting speed for grease lubrication
n_{gr}	4.450 1/min	Reference speed
$\approx m$	55,2 g	Weight

Dimensions

C_1	20 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
LR40X45X20,5	Suitable inner rings LR
IR40X45X20,5-XL	Suitable inner rings IR

Characteristics

-  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Small design envelope