

**HK1212-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	12 mm	Under roller diameter
D	18 mm	Outside diameter
C	12 mm	Width
C_r	6.500 N	Basic dynamic load rating, radial
C_{0r}	7.300 N	Basic static load rating, radial
C_{ur}	880 N	Fatigue load limit, radial
n_G	20.000 1/min	Limiting speed
$n_{G \text{ Grease}}$	12.000 1/min	Limiting speed for grease lubrication
n_{gr}	15.500 1/min	Reference speed
$\approx m$	8,874 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

SD12X18X3	Sealing ring
G12X18X3	Sealing ring 2
LR8X12X12,5	Suitable inner rings LR
IR8X12X12,5-XL	Suitable inner rings IR

Characteristics

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