

**HK5025-AS1** [↗](#)

Drawn cup needle roller bearing open end

Drawn cup needle roller bearing open end
HK...AS1, 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	50 mm	Under roller diameter
D	58 mm	Outside diameter
C	25 mm	Width
C_r	38.500 N	Basic dynamic load rating, radial
C_{0r}	84.000 N	Basic static load rating, radial
C_{ur}	11.900 N	Fatigue load limit, radial
n_G	5.300 1/min	Limiting speed
$n_{G \text{ Grease}}$	3.150 1/min	Limiting speed for grease lubrication
n_{gr}	4.000 1/min	Reference speed
$\approx m$	90 g	Weight

Dimensions

C_1	25 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

SD50X58X4	Sealing ring
G50X58X4	Sealing ring 2
IR45X50X25,5-XL	Suitable inner rings IR

Characteristics

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