



HK4520

Drawn cup needle roller bearing open end

Schaeffler ID:
0041120320000

Drawn cup needle roller bearings with
open ends HK, to DIN 618/ISO 3245

Technical information



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
$n_{G \text{ Grease}}$	3,550 1/min	Limiting speed for grease lubrication
n_{gr}	4,450 1/min	Reference speed
	55.3 g	Weight

Dimensions

	SD45X52X4	Sealing ring
C_1	20 mm	Width, outer ring
r_{min}	0.8 mm	Minimum chamfer dimension
	G45X52X4	Sealing ring 2
	LR40X45X20,5	Suitable inner rings LR
	IR40X45X20-XL	Suitable inner rings IR

Temperature range

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