



## HK0509

Drawn cup needle roller bearing open end

Schaeffler ID:  
0011975500000

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

### Technical information



#### Main Dimensions & Performance Data

$F_w$	5 mm	Under roller diameter
$D$	9 mm	Outside diameter
$C$	9 mm	Width
$C_r$	2,400 N	Basic dynamic load rating, radial
$C_{0r}$	1,990 N	Basic static load rating, radial
$C_{ur}$	243 N	Fatigue load limit, radial
$n_G$	39,000 1/min	Limiting speed
$n_{G \text{ Grease}}$	23,500 1/min	Limiting speed for grease lubrication
$n_{gr}$	36,500 1/min	Reference speed
	0.002 kg	Weight

#### Dimensions

	GR5X9X2	Sealing ring
$C_1$	9 mm	Width, outer ring
$r_{min}$	0.4 mm	Minimum chamfer dimension

#### Temperature range

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