

**BK0509** [↗](#)

Drawn cup needle roller bearing closed end

Drawn cup needle roller bearings with closed end BK, to DIN 618/ISO 3245

Technical information



Your current product variant

Lubricant	Without
Lubrication hole	Without
Coating	Without
Sealing	Without

Main Dimensions & Performance Data

F_w	5 mm	Under roller diameter
D	9 mm	Outside diameter
C	9 mm	Width, outer ring
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 Grease	23.500 1/min	Limiting speed for grease lubrication
n_G	39.000 1/min	Limiting speed
n_{gr}	36.500 1/min	Reference speed
$\approx m$	2,07 g	Weight

Dimensions

r_{min}	0,4 mm	Minimum chamfer dimension
C_{tmin}	7,4 mm	Minimum width to base of drawn cup with closed end



Temperature range

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

Characteristics

-  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Small design envelope