

**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 &amp; 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
$C_{t\min}$	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

---

  $F_r$  Radial load

 Grease Lubrication

 Oil Lubrication

 Not sealed

 Small design envelope