

**BK1012** [↗](#)

## 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

|                 |              |                                       |
|-----------------|--------------|---------------------------------------|
| $F_w$           | 10 mm        | Under roller diameter                 |
| D               | 14 mm        | Outside diameter                      |
| C               | 12 mm        | Width, outer ring                     |
| $C_r$           | 5.500 N      | Basic dynamic load rating, radial     |
| $C_{0r}$        | 6.800 N      | Basic static load rating, radial      |
| $C_{ur}$        | 950 N        | Fatigue load limit, radial            |
| $n_G$<br>Grease | 14.600 1/min | Limiting speed for grease lubrication |
| $n_G$           | 24.300 1/min | Limiting speed                        |
| $n_{gr}$        | 18.400 1/min | Reference speed                       |
| $\approx m$     | 4,968 g      | Weight                                |

## Dimensions

|            |         |  |
|------------|---------|--|
| $r_{min}$  | 0,4 mm  | Minimum chamfer dimension                          |
| $C_{tmin}$ | 10,4 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. |

### Additional information

|              |                         |
|--------------|-------------------------|
| GR10X14X3    | Sealing ring            |
| G10X14X3     | Sealing ring 2          |
| IR7X10X12-XL | Suitable inner rings IR |

### Characteristics

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