

**HK1210-B-L271** [↗](#)

Drawn cup needle roller bearing open end

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

## Technical information



## Your current product variant

|                  |         |                                 |
|------------------|---------|---------------------------------|
| Lubricant        | L271    | Grease (L271/standart specific) |
| Lubrication hole | Without |                                 |
| Coating          | Without |                                 |
| Type of Seal     | Without |                                 |

## Main Dimensions &amp; Performance Data

|                        |              |                                       |
|------------------------|--------------|---------------------------------------|
| $F_w$                  | 12 mm        | Under roller diameter                 |
| D                      | 16 mm        | Outside diameter                      |
| C                      | 10 mm        | Width                                 |
| $C_r$                  | 4.950 N      | Basic dynamic load rating, radial     |
| $C_{0r}$               | 6.200 N      | Basic static load rating, radial      |
| $C_{ur}$               | 820 N        | Fatigue load limit, radial            |
| $n_G$                  | 20.700 1/min | Limiting speed                        |
| $n_{G \text{ Grease}}$ | 12.400 1/min | Limiting speed for grease lubrication |
| $n_{gr}$               | 15.700 1/min | Reference speed                       |
| $\approx m$            | 4,53 g       | Weight                                |

## Dimensions

|           |        |                           |
|-----------|--------|---------------------------|
| $C_1$     | 10 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. |

### Additional information

|                |                         |
|----------------|-------------------------|
| SD12X18X3      | Sealing ring            |
| G12X18X3       | Sealing ring 2          |
| LR8X12X10,5    | Suitable inner rings LR |
| IR8X12X10,5-XL | Suitable inner rings IR |

### Characteristics

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