

**HK5020**

Drawn cup needle roller bearing open end

Drawn cup needle roller bearing open end  
HK, single row, with cage

## Technical information



## Your current product variant

|                  |         |
|------------------|---------|
| Lubricant        | Without |
| Lubrication hole | Without |
| Coating          | Without |
| Sealing          | Without |

## Main Dimensions &amp; Performance Data

|                 |             |                                       |
|-----------------|-------------|---------------------------------------|
| $F_w$           | 50 mm       | Under roller diameter                 |
| D               | 58 mm       | Outside diameter                      |
| C               | 20 mm       | Width                                 |
| $C_r$           | 31.000 N    | Basic dynamic load rating, radial     |
| $C_{0r}$        | 63.000 N    | Basic static load rating, radial      |
| $C_{ur}$        | 8.400 N     | Fatigue load limit, radial            |
| $n_G$           | 5.300 1/min | Limiting speed                        |
| $n_G$<br>Grease | 3.150 1/min | Limiting speed for grease lubrication |
| $n_{gr}$        | 4.050 1/min | Reference speed                       |
| $\approx m$     | 69,1 g      | Weight                                |

## Dimensions

|           |        |                           |
|-----------|--------|---------------------------|
| $C_1$     | 20 mm  | Width, outer ring         |
| $r_{min}$ | 0,8 mm | Minimum chamfer dimension |



### Temperature range

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

### Additional information

|              |                         |
|--------------|-------------------------|
| SD50X58X4    | Sealing ring            |
| G50X58X4     | Sealing ring 2          |
| LR45X50X20,5 | Suitable inner rings LR |

### Characteristics

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