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# data sheet

## general data/description

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**article** HK 0812 2RS LX3 **Art-No.** 51140 **brand** SKA **weight/kg** 0.0033

**remark** For cup needle bearings the enveloping circle diameter Fw can only be checked in installed condition.

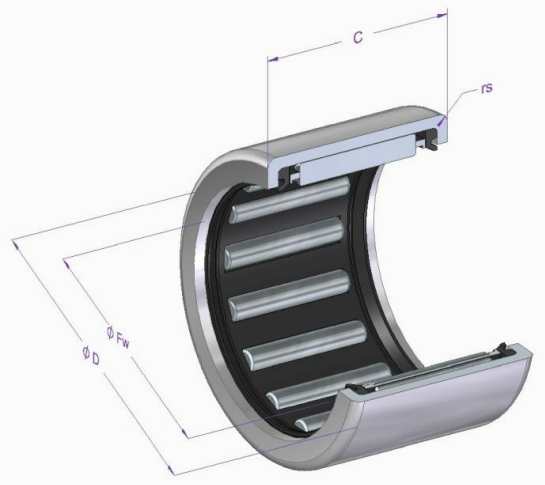
**description**

| | |
|---|---|
| HK | Design |
| 0812 | Size |
| 2RS | Sealing washers on both sides, touching |

**greasing**

| | |
|---|---|
| LX3 | SHELL GADUS S3 V220C 2 |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| Fw | inner enveloping circle diameter | 8 | 13 / 31 | 618 |
| D | nominal outer diameter | 12 | | 618 |
| C | width | 12 | 0 / -300 | 618 |
| rs min. | minimal chamfer dimension | 0.4 | | 618 |

## calculation and operating data

| | | | | | | |
|---|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 3230 | 400 | | 281 | 3130 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 17000 | | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |

## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Sleeve | Sheet steel | | |
| Needle rollers | 100Cr6 | 683-17 | 58-65 |
| Cage | Sheet steel | | |
| Sealing washers | NBR | | |

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