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# data sheet

## general data/description

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**article** HK 1416 2RS LX3 **Art-No.** 45778 **brand** SKA **weight/kg** 0.013

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

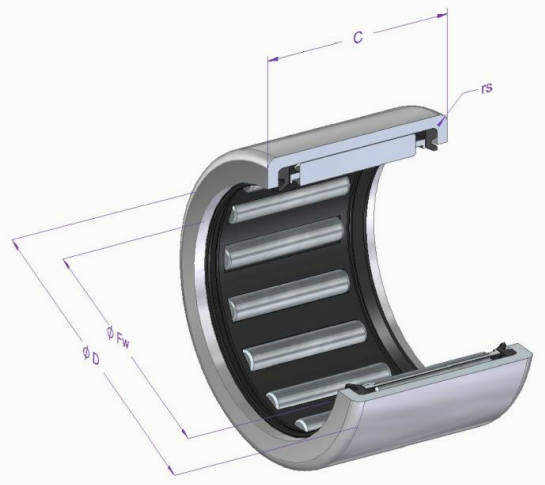
**description**

| | |
|---|---|
| HK | Design |
| 1416 | 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 | 14 | 16 / 34 | 618 |
| D | nominal outer diameter | 20 | | 618 |
| C | width | 16 | 0 / -300 | 618 |
| rs min. | minimal chamfer dimension | 0.8 | | 618 |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 7100 | | 281 | 8500 | 76 |

| 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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