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# data sheet

## general data/description

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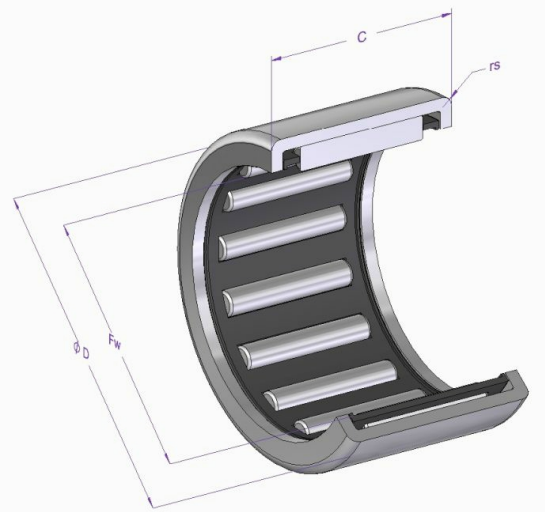
**article** HK 1412 **Art-No.** 43662 **brand** SKA **weight/kg** 0.011

**description**

HK Design
1412 Size

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

## 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 | 12 | -300 / 0 | 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 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 11000 | 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 | | |

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