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# data sheet

## general data/description

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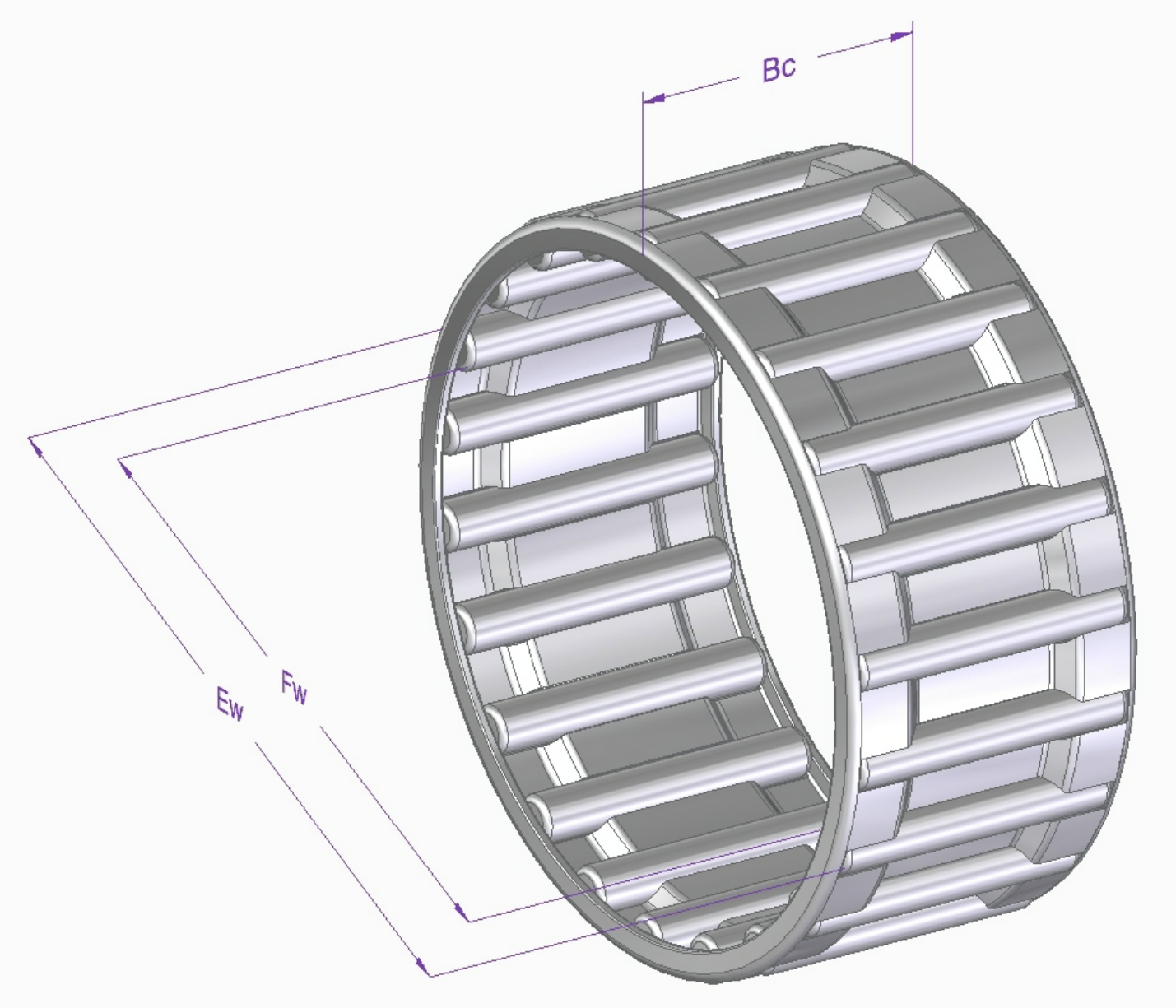
**article** K 35 42 30 **Art-No.** 51501 **brand** SKA **weight/kg** 0.067

**description**

| | |
|---|---|
| K | Design |
| 35 | Size |
| 30 | Size |

**remark** The enveloping circle diameters Fw and Ew can not be measured in the loose state. Load ratings and rotation rates are only valid with corresponding mating surfaces.

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| Fw | inner enveloping circle diameter | 35 | | 5405-1 |
| Ew | outer enveloping circle diameter | 42 | | 5405-1 |
| Bc | cage width | 30 | -200 / -800 | 5405-1 |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 38700 | 9900 | 281 | 66400 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 7500 | 11000 |

| operating temperature | max. [°C] | min. [°C] |
|---|---|---|
| | 120 | -20 |

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## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Needle rollers | 100Cr6 | 683-17 | 58-65 |
| Cage | 16CrMo4 | | |

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