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# data sheet

## general data/description

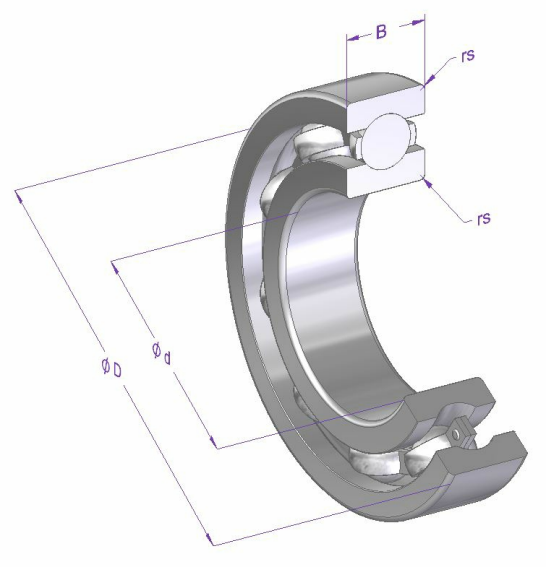
created: 27.07.2022 / 01



**article** 16014 **Art-No.** 52195 **brand** SKA **weight/kg** 0.43

**description**
16014 Size

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 70 | 0 / -15 | 620-2 |
| D | nominal outer diameter | 110 | 0 / -15 | 620-2 |
| B | width | 13 | 0 / -150 | 620-2 |
| rs min. | minimal chamfer dimension | 0.6 | | 625-1 |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 24400 | 1170 | 281 | 22600 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 6000 | 7100 |

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

| bearing clearance | radial min. [µm] | max. [µm] |
|---|---|---|
| | 10 | 30 |

## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Inner ring | 100Cr6 | 683-17 | 58-65 |
| Outer ring | 100Cr6 | 683-17 | 58-65 |
| Balls | 100Cr6 | 683-17 | 58-65 |
| Cage | Sheet steel | | |

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