Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description

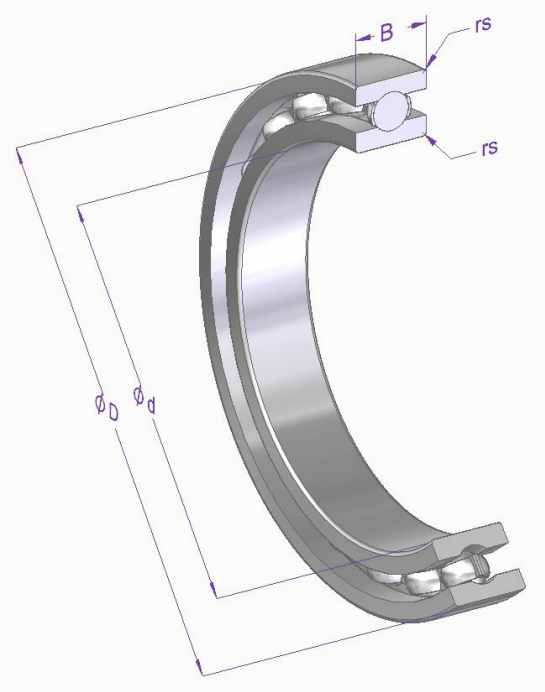
created: 03.11.2016 / 02 page: 1 / 1

**article** 16010 C3 **Art-No.** 47234 **brand** SKA **weight/kg** 0.179

**description**

| | |
|---|---|
| 16010 | Size |
| C3 | Internal clearance |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 50 | 0 / -12 | 620-2 |
| D | nominal outer diameter | 80 | 0 / -13 | 620-2 |
| B | width | 10 | 0 / -120 | 620-2 |
| rs min. | minimal chamfer dimension | 0.6 | | 625-1 |
| C3 | internal clearance | 0.018 / 0.036 | | 620-4 |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 14900 | 650 | 281 | 12600 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 8500 | 10000 |

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

| bearing clearance | radial min. [µm] | max. [µm] |
|---|---|---|
| | 18 | 36 |

## 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 | | |

All information in this document was provided and checked carefully. Nevertheless, we can not assume any liability for incomplete or faulty information.