Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description



**article** 6005 ZZ BA2 **Art-No.** 48733 **brand** SKA **weight/kg** 0.08

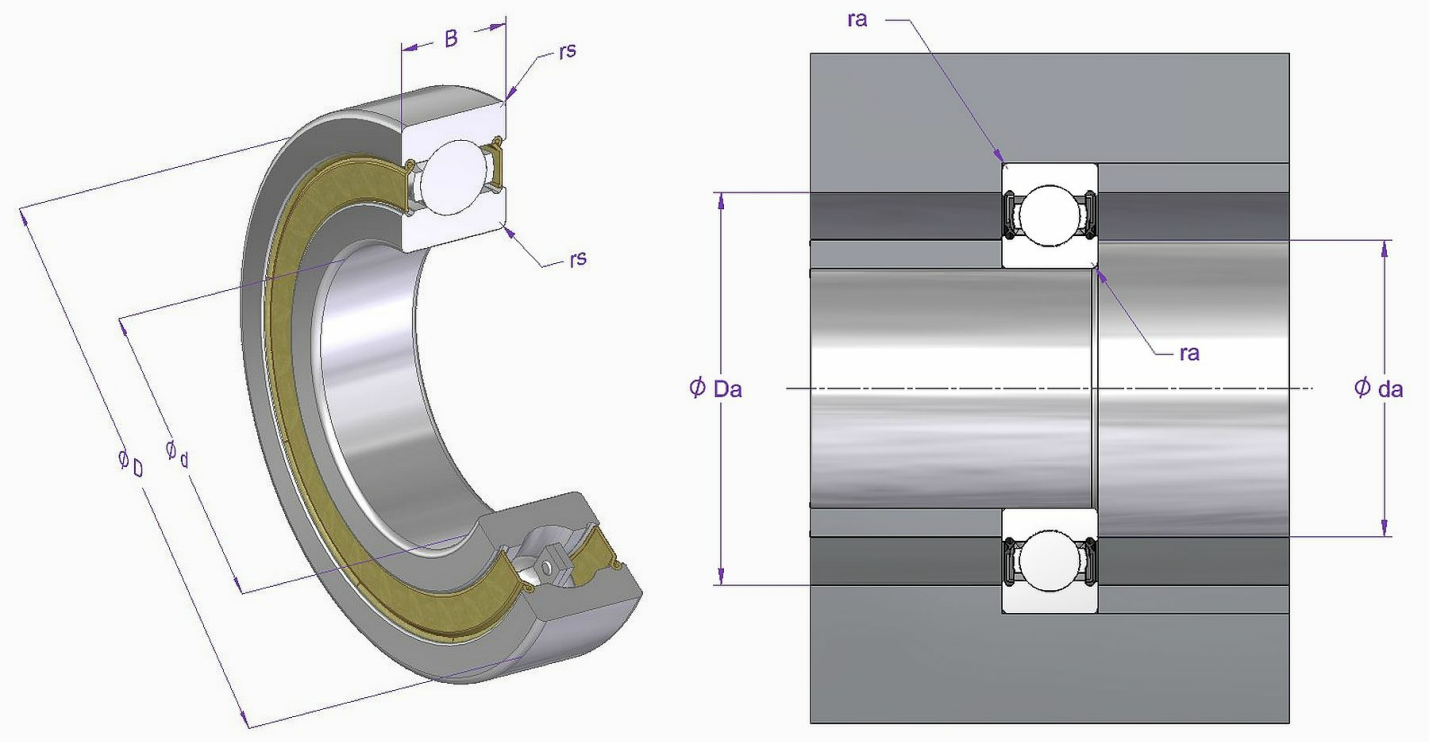
**description**

| | |
|---|---|
| 6005 | Size |
| ZZ | Shields on both sides, not touching |

**greasing**

| | |
|---|---|
| BA2 | KLÜBER ASONIC GHY72 |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 25 | 0 / -10 | 620-2 |
| D | nominal outer diameter | 47 | 0 / -11 | 620-2 |
| B | width | 12 | 0 / -120 | 620-2 |
| rs min. | minimal chamfer dimension | 0.6 | | 625-1 |
| da min. | mounting dimension | 28.2 | | 5418 |
| Da max. | mounting dimension | 43.8 | | 5418 |
| ra max. | mounting dimension | 0.6 | | 5418 |

## calculation and operating data

| | | | | | | |
|---|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 11200 | 300 | | 281 | 5860 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 15000 | | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |
| **bearing clearance** | **radial min. [µm]** | **max. [µm]** | | | | |
| | 5 | 20 | | | | |

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## 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 | 58-66 |
| Cage | St12 | | |
| Shields | Sheet steel | | |

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