**Hans Saurer Kugellager AG**
**Niederfeld 38**
**CH-9320 Stachen**

## general data/description

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**article** 6004 ZZ C3 NR NS7 **Art-No.** 48666 **brand** SKA **weight/kg** 0.069

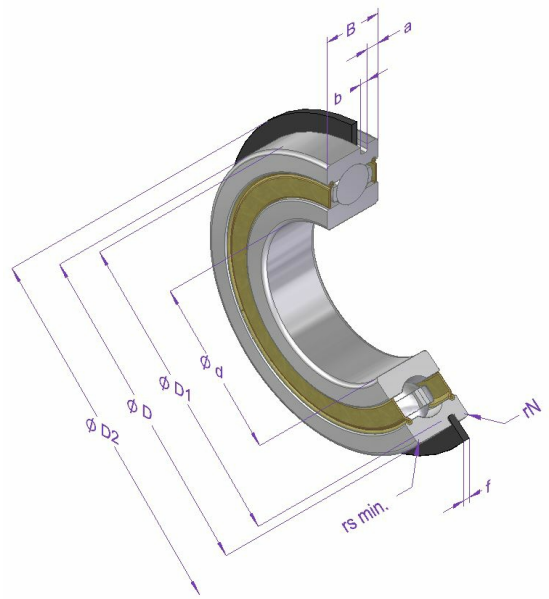
**description**

| | |
|---|---|
| 6004 | Size |
| ZZ | Shields on both sides, not touching |
| C3 | Internal clearance |
| NR | Groove + ring |

**greasing**

| | |
|---|---|
| NS7 | KYODO YUSHI MULTEMP SRL |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 20 | 0 / -10 | 620-2 |
| D | nominal outer diameter | 42 | 0 / -11 | 620-2 |
| B | width | 12 | 0 / -120 | 620-2 |
| D1 | groove diameter | 39.75 | | 616 |
| D2 | Sprengringdurchmesser gespannt | 46.3 | | 5417 |
| a | groove distance front side | 2.06 | | 616 |
| b | groove width | 1.35 | | 616 |
| rs min. | minimal chamfer dimension | 0.6 | | 625-1 |
| rN | chamfer dimension groove side | 0.5 | | 616 |
| f | snap ring width | 1.12 | 0 / -100 | 5417 |
| C3 | internal clearance | 0.008 / 0.023 | | 620-4 |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 9380 | 260 | 281 | 5020 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 18000 | |

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

| bearing clearance | radial min. [µm] | max. [µm] |
|---|---|---|
| | 13 | 28 |

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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 | 58-65 |
| Cage | St12 | | |
| Shields | St12 | | |
| Snap ring | 56Mn4 | 5417 | |

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