Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description

created: 04.06.2019 / 02 page: 1 / 2

**article** B 7002 C T 2RSD U L P4S **Art-No.** 50533 BI4

**brand** SKA **weight/kg** 0.03

**remark** Tolerance class P4S: dimensional accuracy P4, running accuracy P2, according DIN 620-2.

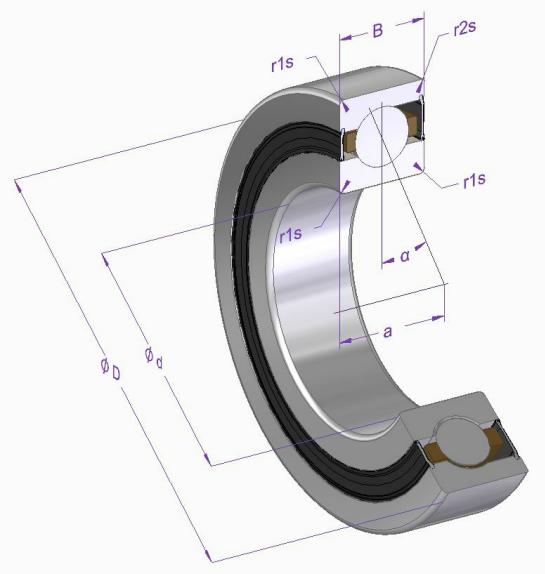
**description**

| | |
|---|---|
| B | Design |
| 7002 | Size |
| C | Pressure angle |
| T | Hard tissue cage |
| 2RSD | Sealing washers on both sides, not touching |
| U | Universally pairable |
| L | Slight preload |
| P4S | Tolerance class |

**greasing**

| | |
|---|---|
| BI4 | KLÜBER ISOFLEX NBU 15 |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 15 | 0 / -4 | 620-2 |
| D | nominal outer diameter | 32 | 0 / -6 | 620-2 |
| B | width | 9 | 0 / -80 | 620-2 |
| r1s min. | minimal chamfer dimension | 0.3 | | 628-6 |
| r2s min. | minimal chamfer dimension | 0.15 | | WERKSNORM |
| a | load application point | 7.6 | | |
| alpha | contact angle | 15° | | |
| Fv | pretension [N] | 27 | | |
| c | axial stiffness [N/µm] | 16.6 | | |
| KaE | Lift-off force [N] | 84 | | |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 6100 | 255 | 281 | 2410 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 53000 | |

| operating temperature | max. [°C] | min. [°C] |
|---|---|---|
| | 120 | -40 |

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



**article** B 7002 C T 2RSD U L P4S **Art-No.** 50533
BI4

## 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 | PF | | |
| Sealing washers | St12/NBR | | |

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