Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description

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**article** 7205 B TVP U L 2RS NS7 **Art-No.** 49426 **brand** SKA **weight/kg** 0.135

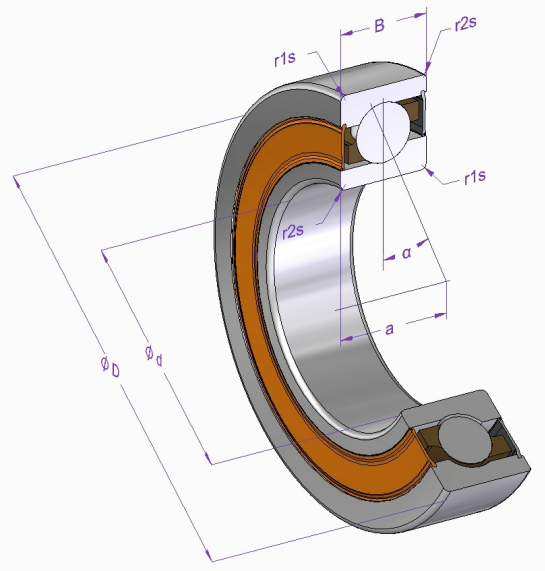
**description**

| | |
|---|---|
| 7205 | Size |
| B | Pressure angle |
| TVP | Plastic cage |
| U | Universally pairable |
| L | Slight preload |
| 2RS | Sealing washers on both sides, touching |

**greasing**

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

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 25 | 0 / -10 | 620-2 |
| D | nominal outer diameter | 52 | 0 / -13 | 620-2 |
| B | width | 15 | 0 / -120 | 620-2 |
| r1s min. | minimal chamfer dimension | 1 | | 628-1 |
| r2s min. | minimal chamfer dimension | 0.6 | | 628-1 |
| alpha | contact angle | 40° | | 628-1 |
| a | load application point | 23.7 | | |
| e | calculation factor | 1.14 | | |
| X0 | calculation factor | 0.5 | | |
| Y0 | calculation factor | 0.26 | | |
| X | calculation factor | 0.35 | | |
| Y | calculation factor | 0.57 | | |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 14800 | 490 | 281 | 9390 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 8600 | |

| operating temperature | max. [°C] | min. [°C] |
|---|---|---|
| | 120 | -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 | 58-65 |
| Cage | PA66+GF25 | | |
| Sealing washer | St12/NBR, black | | |
| Sealing washer | St12/NBR, orange | | |

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