## general data/description

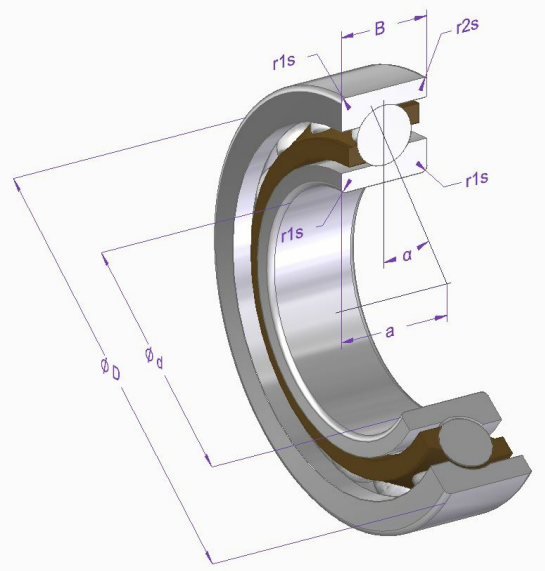
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**article** 7201 B TVP U0 **Art-No.** 49518 **brand** SKA **weight/kg** 0.038

**description**

| | |
|---|---|
| 7201 | Size |
| B | Pressure angle |
| TVP | Plastic cage |
| U0 | Universally pairable, without clearance |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 12 | 0 / -8 | 620-2 |
| D | nominal outer diameter | 32 | 0 / -11 | 620-2 |
| B | width | 10 | 0 / -120 | 620-2 |
| r1s min. | minimal chamfer dimension | 0.6 | | 628-1 |
| r2s min. | minimal chamfer dimension | 0.3 | | 628-1 |
| alpha | contact angle | 40° | | 628-1 |
| a | load application point | ~14.2 | | |
| 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 |
|---|---|---|---|---|---|
| | 7430 | 190 | 281 | 3740 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 18000 | 26000 |

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

## 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 | | |

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