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# data sheet

## general data/description

created: 17.10.2026 / 03 

**article** B 71908 E T P4S UL **Art-No.** 50652

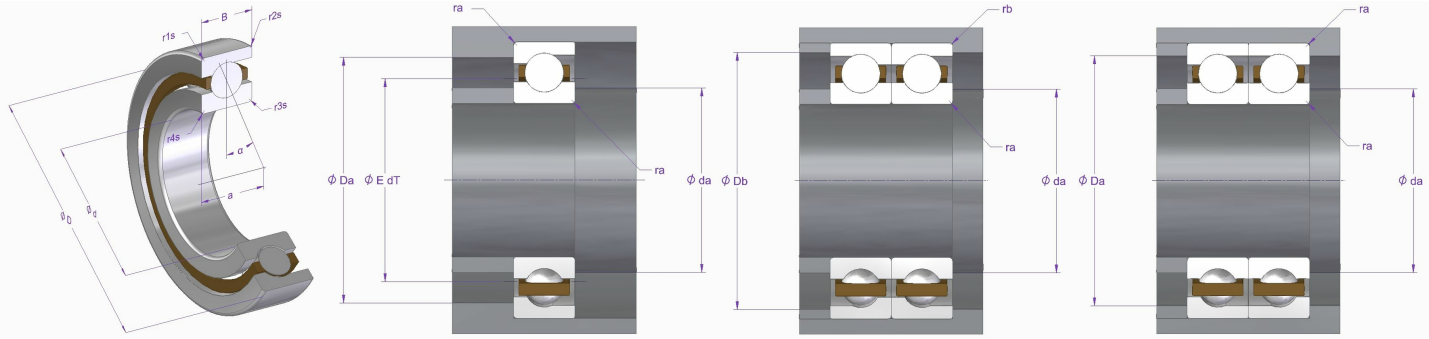
**brand** SKA **weight/kg** 0.107

**description**

| | |
|---|---|
| B | Design |
| 71908 | Size |
| E | Pressure angle |
| T | Hard tissue cage |
| P4S | Tolerance class |
| UL | Universally pairable, Slight preload |

**remark** Tolerance class P4S: dimensional accuracy P4, running accuracy P2, according DIN 620-2. The tolerances and the load rating and rotation speed information refer to the single bearing. The valid factors for bearing sets must be observed. In case of doubt, contact the technical service of SKA.

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 40 | 0 / -6 | 620-2 |
| D | nominal outer diameter | 62 | 0 / -7 | 620-2 |
| B | width | 12 | 0 / -120 | 620-2 |
| r1s min. | minimal chamfer dimension | 0.6 | | 628-6 |
| r2s min. | minimal chamfer dimension | 0.6 | | WERKSNORM |
| r3s min. | minimal chamfer dimension | 0.6 | | 628-6 |
| r4s min. | minimal chamfer dimension | 0.6 | | 628-6 |
| alpha | contact angle | 25° | | 628-6 |
| a | load application point | ~17.9 | | |
| da | mounting dimension | 44 | 0 / 1000 | WERKSNORM |
| Da | mounting dimension | 58.5 | 0 / 1200 | WERKSNORM |
| ra max. | mounting dimension | 0.6 | | 5418 |
| db | mounting dimension | 44 | 0 / 1000 | WERKSNORM |
| Db max. | mounting dimension | 59.5 | | WERKSNORM |
| rb max. | mounting dimension | 0.15 | | 5418 |
| Fv | pretension [N] | 111 | | |
| c | axial stiffness [N/µm] | 91 | | |
| KaE | Lift-off force [N] | 324 | | |
| E dT | Diameter injection pitch | 48.2 | 0 / 500 | WERKSNORM |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 18500 | 682 | 281 | 13100 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 20000 | 32000 |

| 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 | 58-66 |
| Cage | PF | | |

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