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# data sheet

## general data/description

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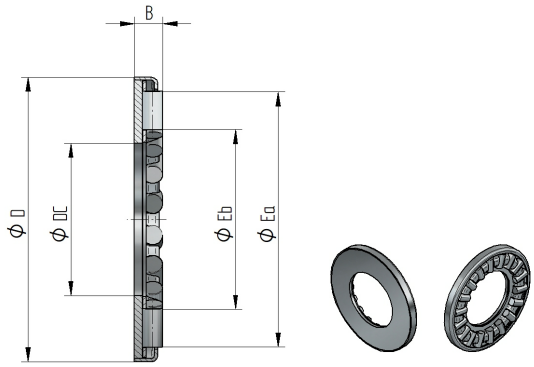
**article** AX 3553 **Art-No.** 47591 **brand** SKA **weight/kg** 0.019

**description**

AX Design
3553 Size

**remark** Load ratings and rotational speed also depending on mating track.

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| DC | nominal inner diameter | 35 | 50 / 300 | WERKSNORM |
| D | nominal outer diameter | 53 | -60 / -520 | WERKSNORM |
| B | width | 2.8 | -50 / 50 | WERKSNORM |
| Ea | raceway dimension | 48.8 | | |
| Eb | raceway dimension | 36.8 | | |

## calculation and operating data

| | | | | | | |
|---|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 15800 | 8510 | | 281 | 78500 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 1400 | 5500 | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |

## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Needle rollers | 100Cr6 | 683-17 | 58-66 |
| Cage | Sheet steel | | |
| Axial washer | 56Mn4 | | 58-65 |
| Outer ring | Sheet steel | | |

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