## general data/description

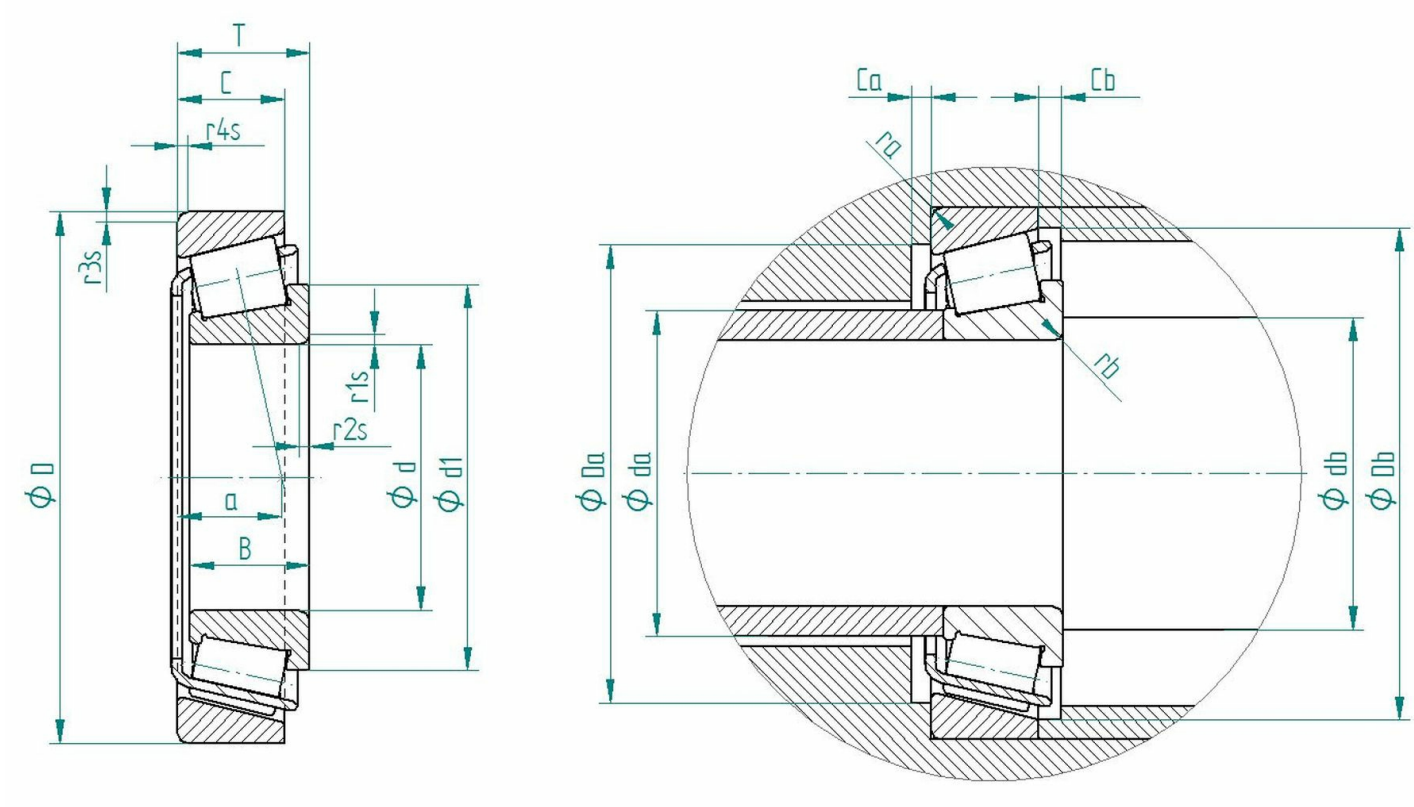
created: 07.04.2016 / 03 page: 1 / 2

**article** 32307 **Art-No.** 47309 **brand** SKA **weight/kg** 0.75

**description** **remark** Description according ISO 355: T 2FE 035

32307 Size

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 35 | 0 / -12 | 620-2 |
| D | nominal outer diameter | 80 | 0 / -16 | 620-2 |
| B | inner ring width | 31 | 0 / -120 | 620-2 |
| C | outer ring width | 25 | 0 / -120 | 620-2 |
| T | bearing width | 32.75 | 0 / 200 | 720 |
| r1s min. | minimal chamfer dimension | 2 | | 720 |
| r2s min. | minimal chamfer dimension | 2 | | 720 |
| r3s min. | minimal chamfer dimension | 1.5 | | 720 |
| r4s min. | minimal chamfer dimension | 1.5 | | 720 |
| d1 | flange diameter of the inner ring | 55.3 | 0 / -300 | |
| a | load application point | ~ 20.4 | | |
| Da min. | mounting dimension | 66 | | |
| Da max. | mounting dimension | 71 | | |
| da max. | mounting dimension | 44 | | |
| Db min. | mounting dimension | 74 | | |
| db min. | mounting dimension | 44 | | |
| Ca min. | mounting dimension | 4 | | |
| Cb min. | mounting dimension | 7.5 | | |
| ra max. | mounting dimension | 2 | | |
| rb max. | mounting dimension | 1.5 | | |
| e | calculation factor | 0.31 | | |
| Y | calculation factor | 1.9 | | |
| Y0 | calculation factor | 1.1 | | |

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



**article** 32307 **Art-No.** 47309

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 100000 | 13200 | 281 | 113000 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 5000 | 6700 |

| 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 |
| Tapered rollers | 100Cr6 | 683-17 | 58-65 |
| Cage | Sheet steel | | |

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