## general data/description

created: 23.02.2016 / 04 page: 1 / 2

**article** 3302 B TN 2RS NS7 **Art-No.** 47113 **brand** SKA **weight/kg** 0.112

**remark** Y-factors: Y1: Fa/Fr <= e / Y2: Fa/Fr > e.

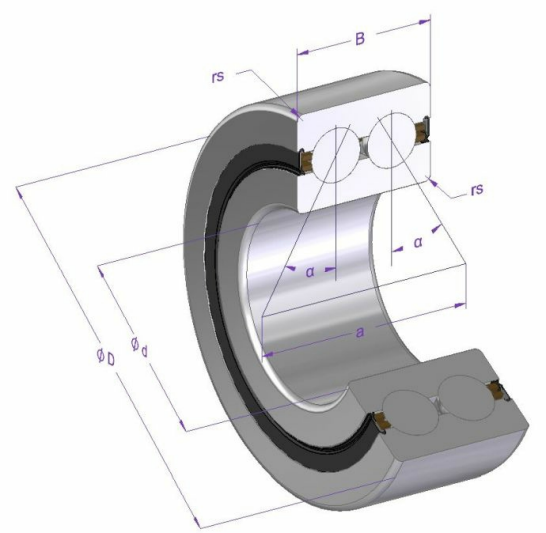
**description**

| | |
|---|---|
| 3302 | Size |
| B | Pressure angle |
| TN | Plastic cage |
| 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 | 15 | 0 / -8 | 620-2 |
| D | nominal outer diameter | 42 | 0 / -11 | 620-2 |
| B | width | 19 | 0 / -120 | 620-2 |
| rs min. | minimal chamfer dimension | 1 | | 628-3 |
| a | load application point | ~24 | | |
| alpha | contact angle | 30° | | 628-3 |
| e | calculation factor | 0.8 | | 281 |
| Y1 | calculation factor | 0.78 | | 281 |
| Y2 | calculation factor | 1.24 | | 281 |
| Y0 | calculation factor | 0.66 | | 76 |
| X | calculation factor | 0.63 | | 281 |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 12300 | 400 | 281 | 7960 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 11000 | |

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

| bearing clearance | axial min. [µm] | max. [µm] |
|---|---|---|
| | 6 | 23 |

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



**article** 3302 B TN 2RS NS7 **Art-No.** 47113

## 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 | PA66+GF25 | | |
| Sealing washers | St12/NBR | | |

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