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

## general data/description

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**article** 2207 TN 2RS NS7 **Art-No.** 47982

**brand** SKA **weight/kg** 0.427

**remark** Y-factors: Y1: Fa/Fr <= e / Y2: Fa/Fr > e / X-factors: X1: Fa/Fr <= e / X2: Fa/Fr > e. Temperature limit due to the seal.

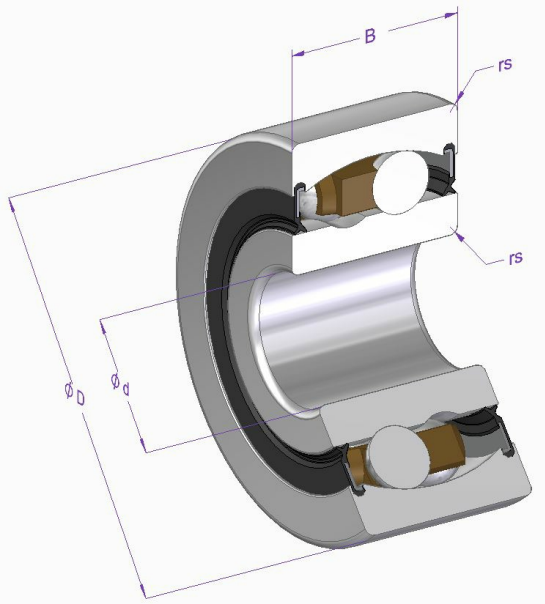
**description**

| | |
|---|---|
| 2207 | Size |
| 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 | 35 | 0 / -12 | 620-2 |
| D | nominal outer diameter | 72 | 0 / -13 | 620-2 |
| B | width | 23 | 0 / -120 | 620-2 |
| rs min. | minimal chamfer dimension | 1.1 | | 630 |
| e | calculation factor | 0.23 | | 281 |
| Y1 | calculation factor | 2.74 | | 281 |
| Y2 | calculation factor | 4.24 | | 281 |
| Y0 | calculation factor | 2.87 | | 76 |
| X1 | calculation factor | 1 | | 281 |
| X2 | calculation factor | 0.65 | | 281 |
| X0 | calculation factor | 1 | | 76 |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 15900 | 323 | 281 | 5090 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 7000 | |

| operating temperature | max. [°C] | min. [°C] |
|---|---|---|
| | 120 | -30 |

| bearing clearance | radial min. [µm] | max. [µm] |
|---|---|---|
| | 13 | 29 |

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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 | PA66+GF25 | | |
| Sealing washers | Sheet steel/NBR | | |

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