Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description

created: 23.09.2024 / 02



**article** 2201 TN 2RS LX5 **Art-No.** 53854

**brand** SKA **weight/kg** 0.053

**remark** Y-factors: Y1: Fa/Fr <= e / Y2: Fa/Fr > e / X-factors: X1: Fa/Fr <= e / X2: Fa/Fr > e.

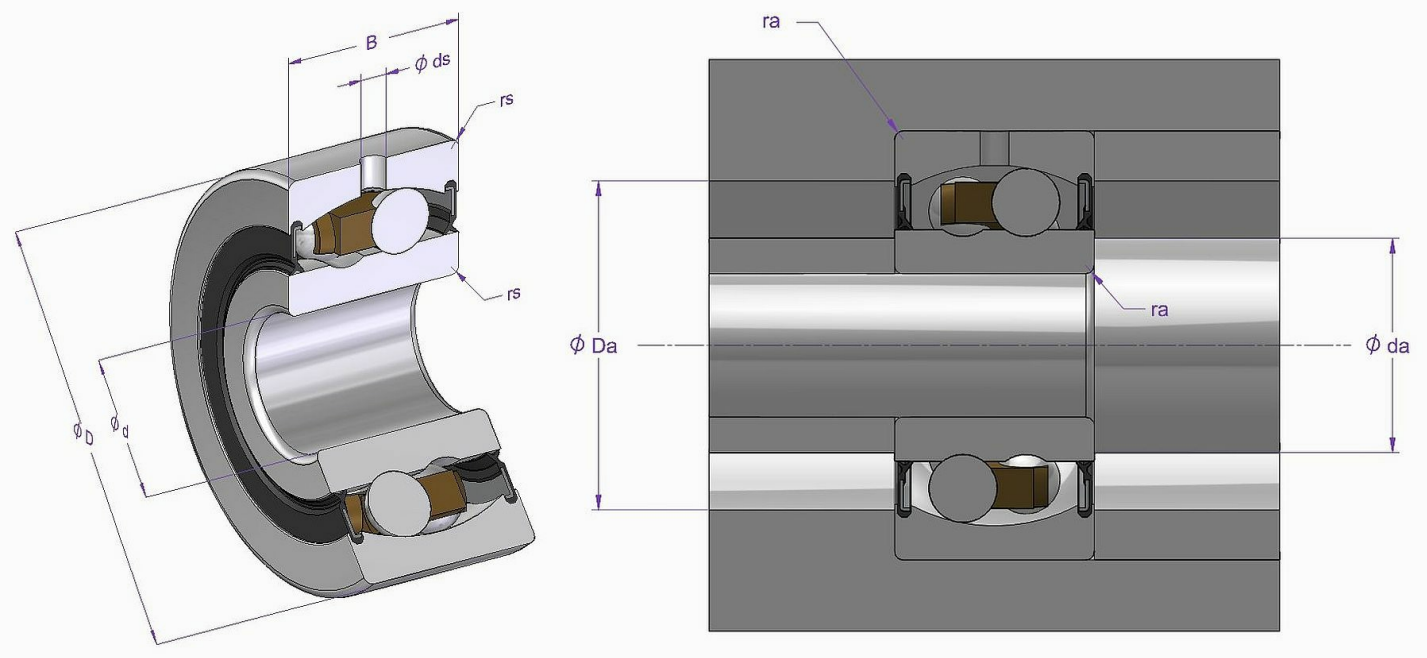
**description**

| | |
|---|---|
| 2201 | Size |
| TN | Plastic cage |
| 2RS | Sealing washers on both sides, touching |

**greasing**

| | |
|---|---|
| LX5 | SHELL GADUS S2 V100 3 |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 12 | 0 / -8 | 620-2 |
| D | nominal outer diameter | 32 | 0 / -11 | 620-2 |
| B | width | 14 | 0 / -120 | 620-2 |
| rs min. | minimal chamfer dimension | 0.6 | | 630 |
| da min. | mounting dimension | 16 | | WERKSNORM |
| Da max. | mounting dimension | 28 | | WERKSNORM |
| ra max. | mounting dimension | 0.6 | | WERKSNORM |
| e | calculation factor | 0.34 | | 281 |
| Y1 | calculation factor | 1.88 | | 281 |
| Y2 | calculation factor | 2.9 | | 281 |
| Y0 | calculation factor | 1.97 | | 76 |
| X0 | calculation factor | 1 | | 76 |
| X1 | calculation factor | 1 | | 281 |
| X2 | calculation factor | 0.65 | | 281 |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 5670 | 80 | 281 | 1260 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 16000 | |

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

| bearing clearance | radial min. [µm] | max. [µm] |
|---|---|---|
| | 6 | 19 |

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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.