Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description

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**article** 6309 2RS C3 NS1 **Art-No.** 52264 **brand** SKA **weight/kg** 0.835

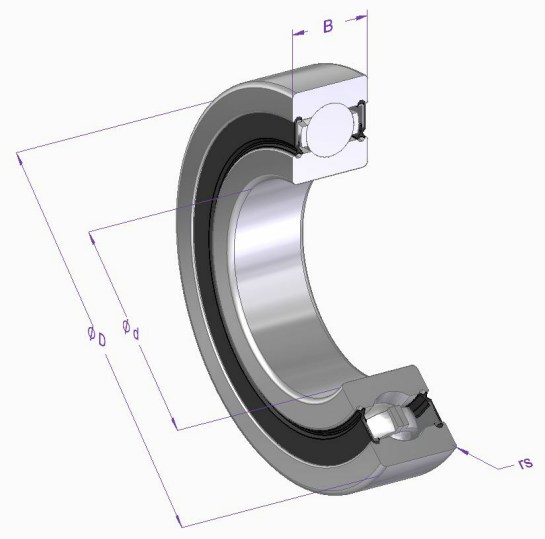
**description**

| | |
|---|---|
| 6309 | Size |
| 2RS | Sealing washers on both sides, touching |
| C3 | Internal clearance |

**greasing**

| | |
|---|---|
| NS1 | KYODO YUSHI RAREMAX SUPER N |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 45 | 0 / -12 | 620-2 |
| D | nominal outer diameter | 100 | 0 / -15 | 620-2 |
| B | width | 25 | 0 / -120 | 620-2 |
| rs min. | minimal chamfer dimension | 1.5 | | 625-1 |
| C3 | internal clearance | 0.018 / 0.036 | | 620-4 |

## calculation and operating data

| | | | | | | |
|---|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 52800 | 1650 | | 281 | 31700 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 4800 | | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -40 | | | | |
| **bearing clearance** | **radial min. [µm]** | **max. [µm]** | | | | |
| | 18 | 36 | | | | |

## 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 | 58-65 |
| Cage | St12 | | |
| 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.