Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description

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**article** 61808 2RS NS7 **Art-No.** 51847 **brand** SKA **weight/kg** 0.033

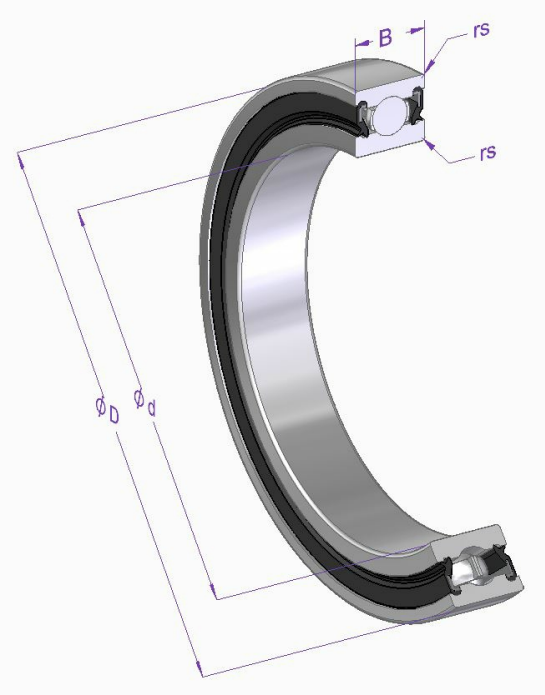
**description**

| | |
|---|---|
| 61808 | Size |
| 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 | 40 | 0 / -12 | 620-2 |
| D | nominal outer diameter | 52 | 0 / -13 | 620-2 |
| B | width | 7 | 0 / -120 | 620-2 |
| rs min. | minimal chamfer dimension | 0.3 | | 625-1 |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 4410 | 210 | 281 | 4150 | 76 |

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

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

| bearing clearance | radial min. [µm] | max. [µm] |
|---|---|---|
| | 6 | 20 |

## 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 | | |

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