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

## general data/description

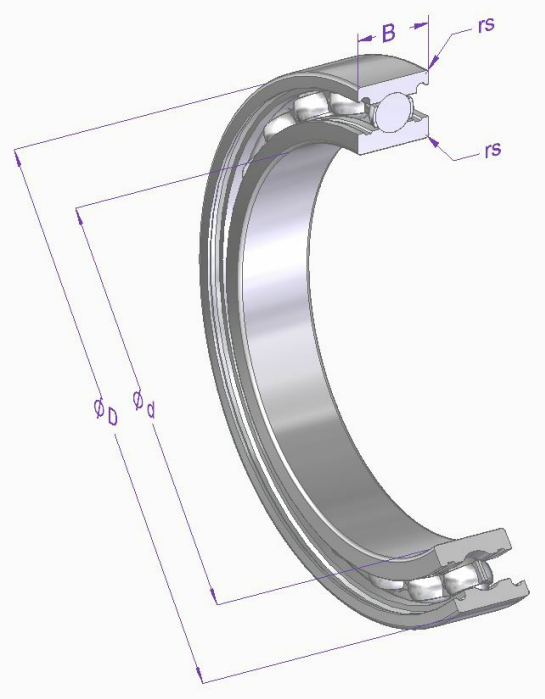
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**article** 61807 AV0982 **Art-No.** 48498 **brand** SKA **weight/kg** 0.026

**description**
61807 Size

**greasing**
AV0982 SHELL ALVANIA AV0982

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 35 | 0 / -12 | 620-2 |
| D | nominal outer diameter | 47 | 0 / -11 | 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** |
| | 4280 | 190 | | 281 | 3760 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 14000 | | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 80 | -50 | | | | |
| **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 | | |

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