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# data sheet

## general data/description

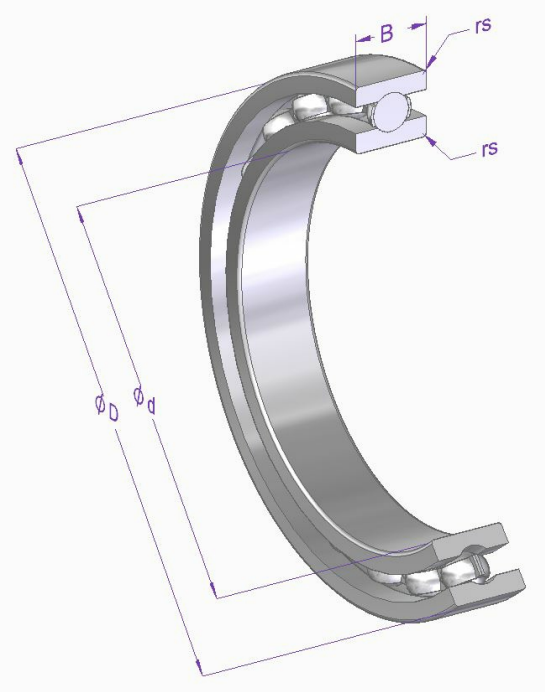
created: 13.09.2021 / 01



**article** 61911 **Art-No.** 51858 **brand** SKA **weight/kg** 0.183

**description**
61911 Size

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 55 | 0 / -15 | 620-2 |
| D | nominal outer diameter | 80 | 0 / -13 | 620-2 |
| B | width | 13 | 0 / -150 | 620-2 |
| rs min. | minimal chamfer dimension | 1 | | 616 |

## calculation and operating data

| | | | | | | |
|---|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 14800 | 660 | | 281 | 12700 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 8000 | 9500 | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |
| **bearing clearance** | **radial min. [µm]** | **max. [µm]** | | | | |
| | 8 | 28 | | | | |

## 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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