Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description

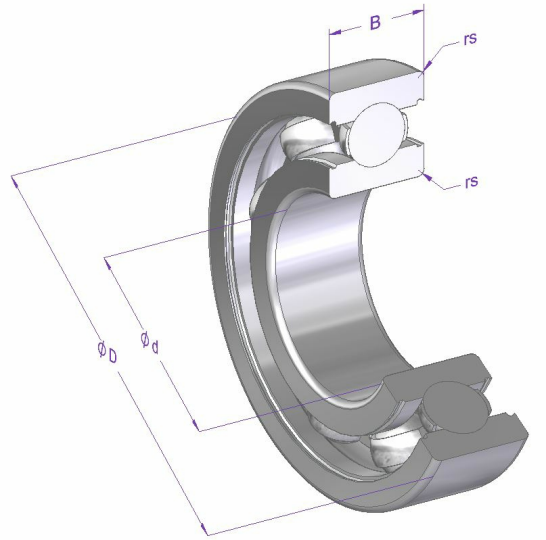
created: 10.10.2016 / 03 page: 1 / 1

**article** 6218 C4 **Art-No.** 47735 **brand** SKA **weight/kg** 2.18

**description**

| | |
|---|---|
| 6218 | Size |
| C4 | Internal clearance |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 90 | 0 / -20 | 620-2 |
| D | nominal outer diameter | 160 | 0 / -25 | 620-2 |
| B | width | 30 | 0 / -200 | 620-2 |
| rs min. | minimal chamfer dimension | 2 | | 625-1 |
| C4 | internal clearance | 0.053 / 0.084 | | |

## calculation and operating data

| | | | | | | |
|---|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 96100 | 3330 | | 281 | 71600 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 4000 | 4800 | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |
| **bearing clearance** | **radial min. [µm]** | **max. [µm]** | | | | |
| | 53 | 84 | | | | |

## 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 | Sheet steel | | |

All information in this document was provided and checked carefully. Nevertheless, we can not assume any liability for incomplete or faulty information.