Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description

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**article** 696 VV MC5 QG BI6 **Art-No.** 48830 **brand** SKA **weight/kg** 0.00371

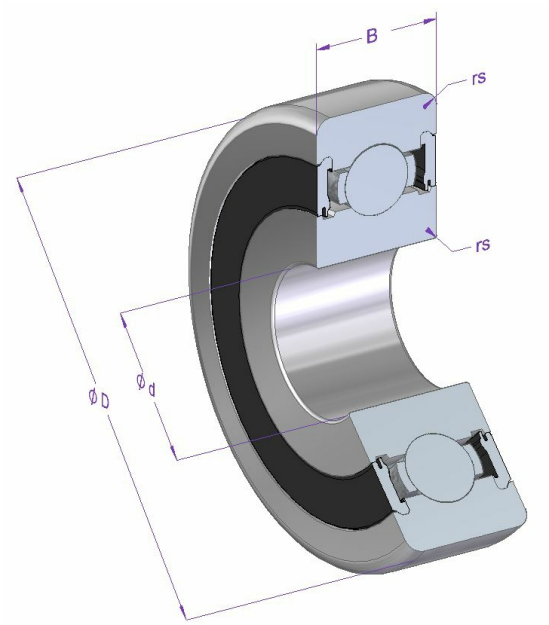
**description**

| | |
|---|---|
| 696 | Size |
| VV | Sealing washers on both sides, not touching |
| MC5 | Internal clearance |
| QG | Grease quantity |

**greasing**

| | |
|---|---|
| BI6 | KLÜBER ISOFLEX TOPAS NCA 52 |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 6 | 0 / -8 | 620-2 |
| D | nominal outer diameter | 15 | 0 / -8 | 620-2 |
| B | width | 5 | 0 / -120 | 620-2 |
| rs min. | minimal chamfer dimension | 0.2 | | 625-1 |
| MC5 | internal clearance | 0.013 / 0.02 | | |

## calculation and operating data

| | | | | | | |
|---|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 1470 | 30 | | 281 | 604 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 40000 | | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |
| **bearing clearance** | **radial min. [µm]** | **max. [µm]** | | | | |
| | 13 | 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, grey | | |

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