Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description

created: 23.03.2022 / 04



**article** F 681X ZZ INOX MC3 NS7 **Art-No.** 52322 **brand** SKA **weight/kg** 0.001

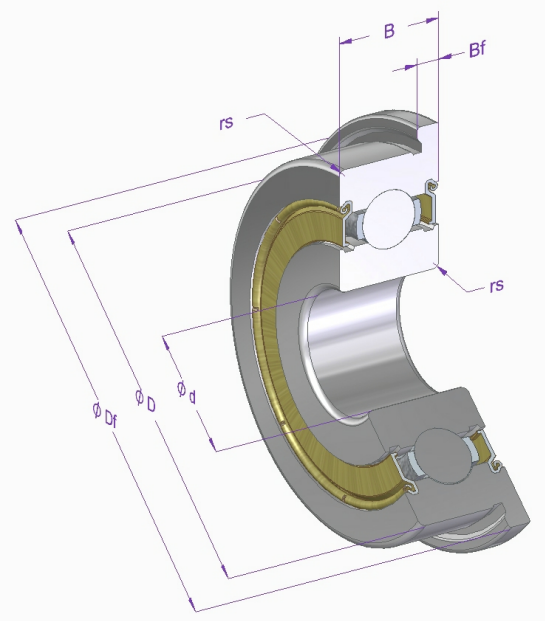
**description**

| | |
|---|---|
| F | Design |
| 681X | Size |
| ZZ | Shields on both sides, not touching |
| INOX | Stainless steel |
| MC3 | Internal clearance |

**greasing**

| | |
|---|---|
| NS7 | KYODO YUSHI MULTEMP SRL |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 1.5 | 0 / -8 | 620-2 |
| D | nominal outer diameter | 4 | 0 / -8 | 620-2 |
| Df | flange diameter | 5 | 0 / -36 | ISO 492 |
| B | width | 2 | 0 / -40 | 620-2 |
| Bf | flange width | 0.6 | 0 / -40 | 625-4 |
| rs min. | minimal chamfer dimension | 0.05 | | 625-4 |
| MC3 | internal clearance | 0.005 / 0.010 | | WERKSNORM |

## calculation and operating data

| | | | | | |
|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 105 | | | | 34 | |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 100'000 | 120'000 | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |
| **bearing clearance** | **radial min. [µm]** | **max. [µm]** | | | | |
| | 5 | 10 | | | | |

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



**article** F 681X ZZ INOX MC3 NS7 **Art-No.** 52322

## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Inner ring | SUS440 | | 58-62 |
| Outer ring | SUS440 | | 58-62 |
| Balls | SUS440 | | 58.5-65 |
| Cage | Sheet steel INOX | | |
| Shields | Sheet steel INOX | | |
| Snap rings | Sheet steel INOX | | |

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