Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description

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**article** MR 106 ZZ INOX MC3 QF NS7 **Art-No.** 52643

**brand** SKA **weight/kg** 0.00066

**remark** QF = Greasing 10% - 15% of free bearing space.

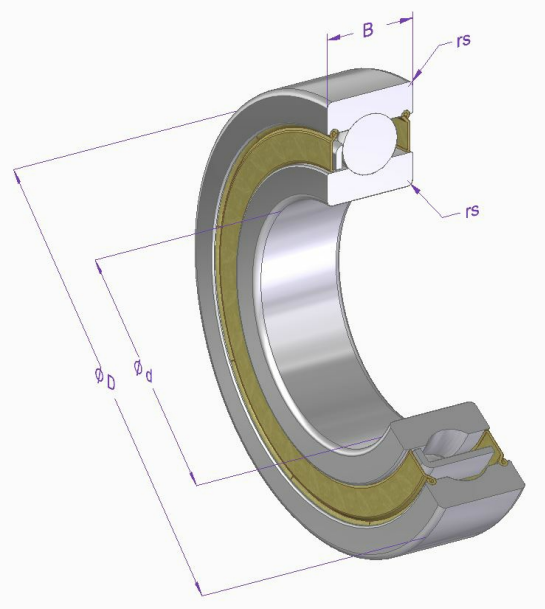
**description**

| | |
|---|---|
| MR | Design |
| 106 | Size |
| ZZ | Shields on both sides, not touching |
| INOX | Stainless steel |
| MC3 | Internal clearance |
| QF | Grease quantity |

**greasing**

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

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 6 | 0 / -8 | 620-2 |
| D | nominal outer diameter | 10 | 0 / -8 | 620-2 |
| B | width | 3 | 0 / -120 | 620-2 |
| rs min. | minimal chamfer dimension | 0.1 | | 616 |
| 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 |
|---|---|---|---|---|---|
| | 461 | | | 218 | |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 45000 | |

| operating temperature | max. [°C] | min. [°C] |
|---|---|---|
| | 120 | -20 |

| bearing clearance | radial min. [µm] | max. [µm] |
|---|---|---|
| | 5 | 10 |

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## 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 | SUS304 | | |

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