Hans Saurer Kugellager AG
Niederfeld 38
CH-9320 Stachen

# data sheet

## general data/description



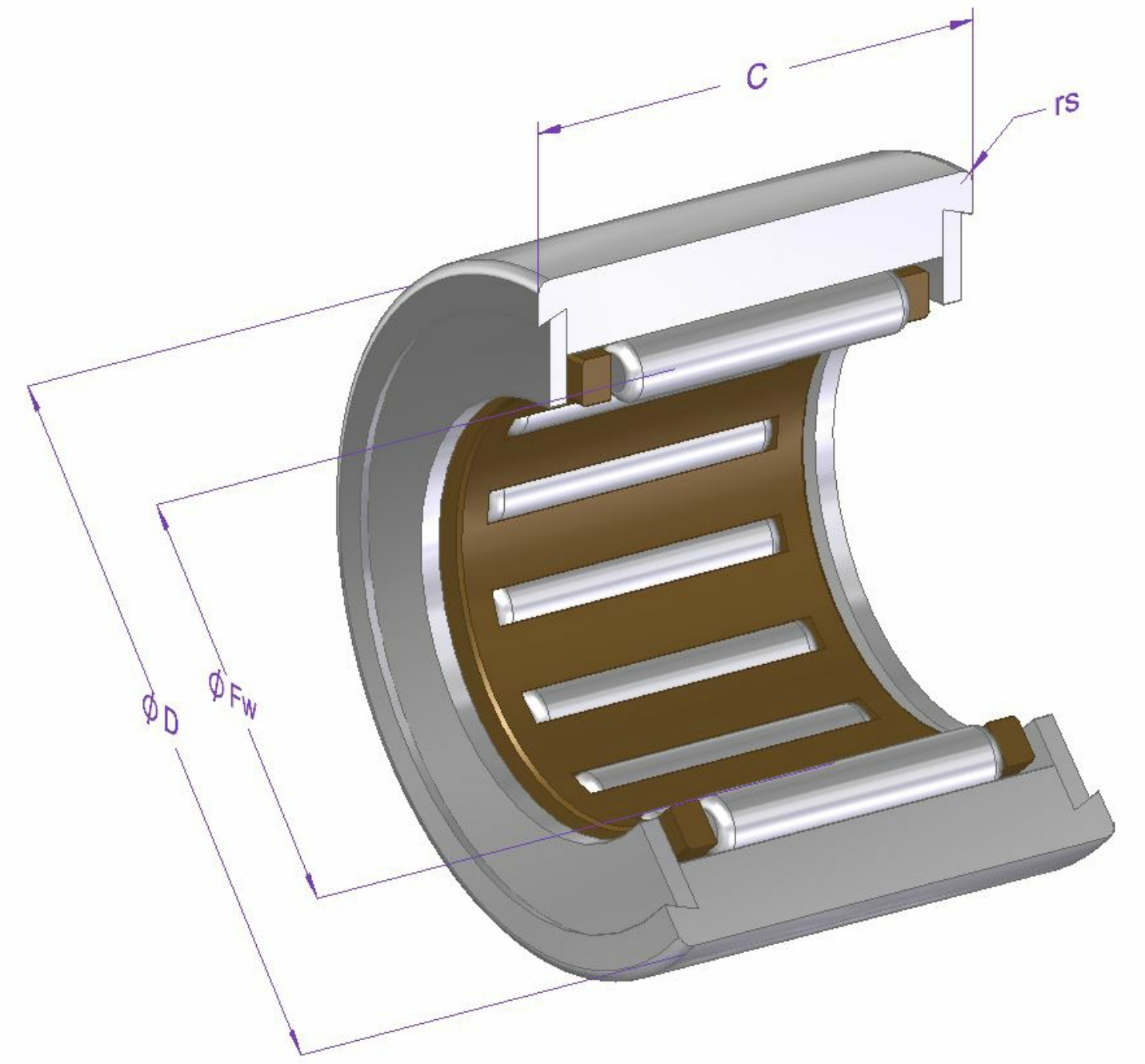
**article** NK 7/10 TN **Art-No.** 44914 **brand** SKA **weight/kg** 0.0069

**remark** Load ratings and rotational speed also depending on mating track.

**description**

| | |
|---|---|
| NK | Design |
| 7/10 | Size |
| TN | Plastic cage |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| Fw | inner enveloping circle diameter | 7 | 13 / 22 | |
| D | nominal outer diameter | 14 | 0 / -8 | 620-2 |
| C | width | 10 | 0 / -120 | 620-2 |
| rs min. | minimal chamfer dimension | 0.3 | | |

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## calculation and operating data

| | | | | | | |
|---|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 2870 | 340 | | 281 | 2600 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 23000 | 34000 | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |

## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Outer ring | 100Cr6 | 683-17 | 58-65 |
| Needle rollers | 100Cr6 | 683-17 | 58-65 |
| Cage | PA66 + GF25 | | |
| Lock ring | 56Mn4 | | |

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