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

## general data/description

created: 09.03.2020 / 01 page: 1 / 2

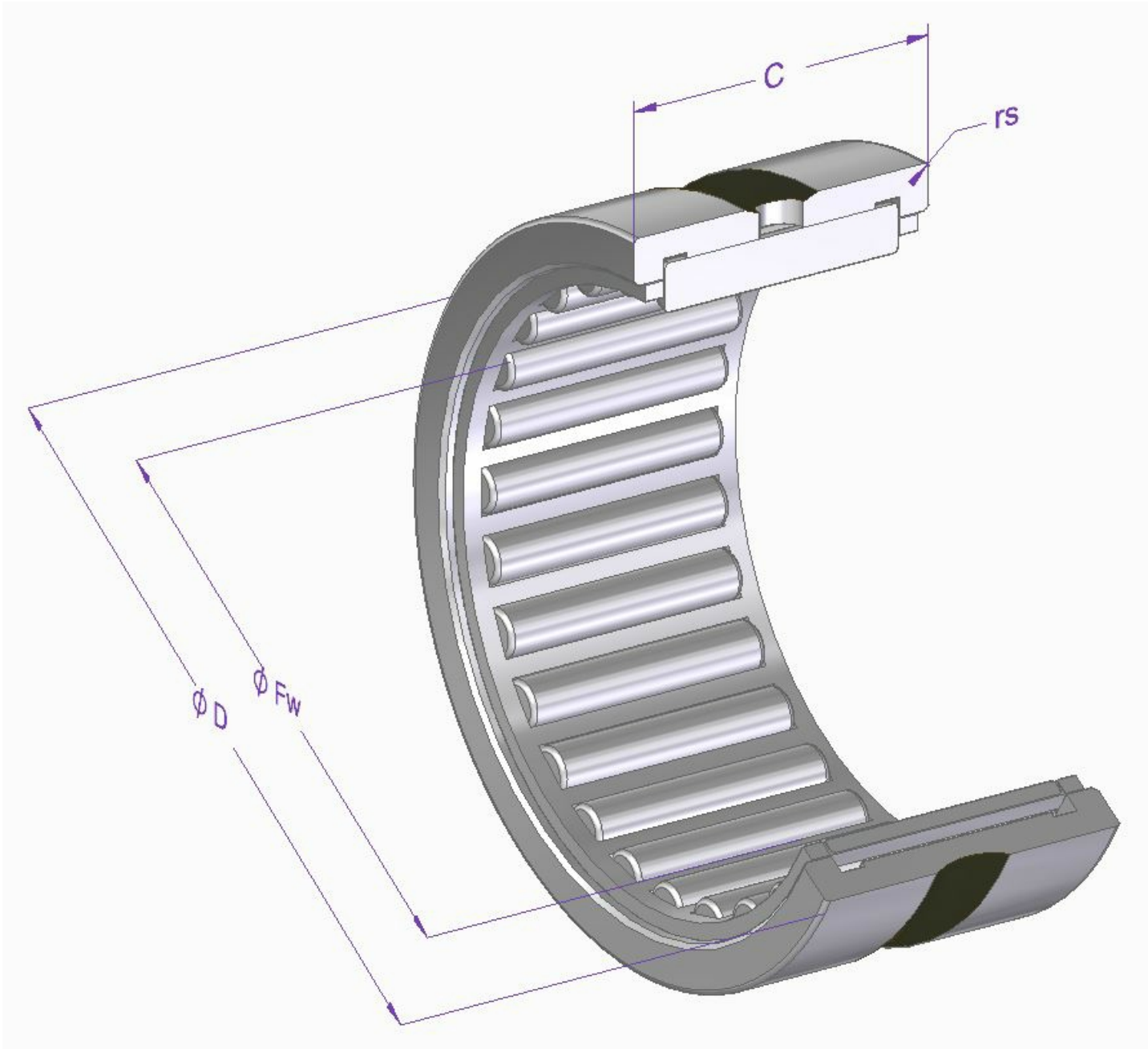
**article** NK 47/20 **Art-No.** 46109 **brand** SKA **weight/kg** 0.095

**description**

NK Design
47/20 Size

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

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| Fw | inner enveloping circle diameter | 47 | 25 / 41 | 617 |
| D | nominal outer diameter | 57 | 0 / -13 | 620-2 |
| C | width | 20 | 0 / -120 | 620-2 |
| rs min. | minimal chamfer dimension | 0.3 | | |

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



**article** NK 47/20 **Art-No.** 46109

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 30100 | 8500 | 281 | 59000 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 5500 | 8500 |

| 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 | Sheet steel | | |

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