Hans Saurer Kugellager AG
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# data sheet

## general data/description

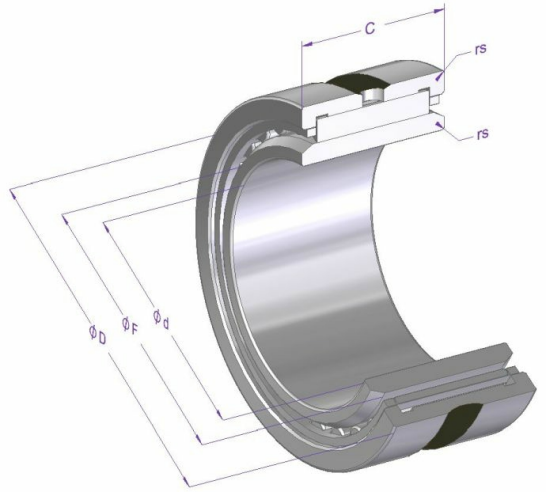
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**article** NKI 10/16 **Art-No.** 51465 **brand** SKA **weight/kg** 0.0294

**description**

| | |
|---|---|
| NKI | Design |
| 10/16 | Size |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 10 | 0 / -8 | 620-2 |
| D | nominal outer diameter | 22 | 0 / -9 | 620-2 |
| C | width | 16 | 0 / -120 | 620-2 |
| F | raceway diameter | 14 | | |
| Fw | inner enveloping circle diameter | 14 | 16 / 27 | WERKSNORM |
| rs min. | minimal chamfer dimension | 0.3 | | WERKSNORM |
| s | axial displacement | 0.5 | | |

## calculation and operating data

| | | | | | | |
|---|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 10700 | 1720 | | 281 | 12200 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 16000 | 24000 | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |
| **bearing clearance** | **radial min. [µm]** | **max. [µm]** | | | | |
| | 20 | 45 | | | | |

## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Inner ring | 100Cr6 | 683-17 | 58-65 |
| Outer ring | 100Cr6 | 683-17 | 58-65 |
| Needle rollers | 100Cr6 | 683-17 | 58-65 |
| Cage | Sheet steel | | |

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