## general data/description

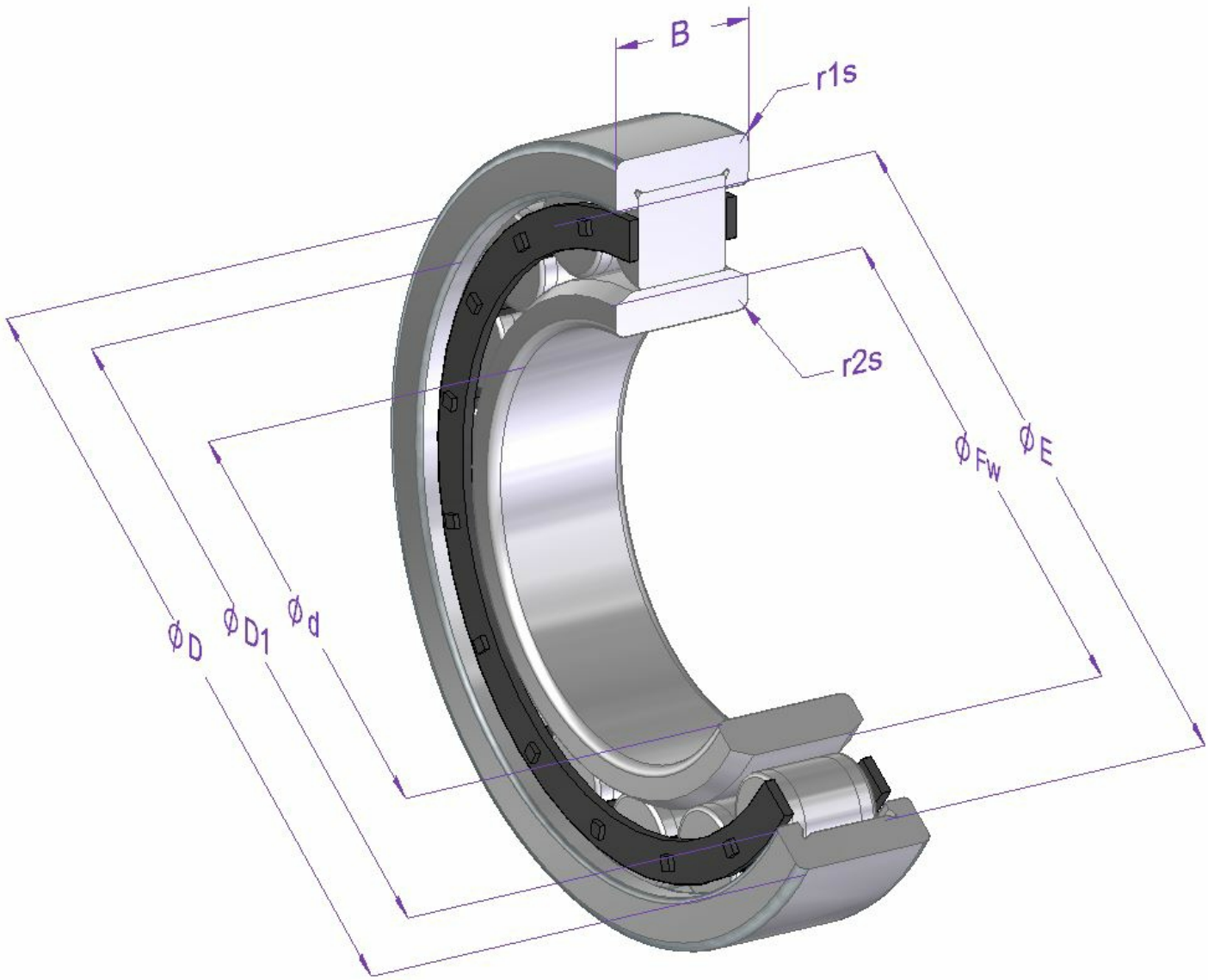
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**article** NU 213 E J HQS C3 **Art-No.** 51496 **brand** SKA **weight/kg** 0.99

**description**

| | |
|---|---|
| NU | Design |
| 213 | Size |
| E | Reinforced version |
| J | Sheet steel cage |
| HQS | Material |
| C3 | Internal clearance |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 65 | 0 / -15 | 620-2 |
| D | nominal outer diameter | 120 | 0 / -15 | 620-2 |
| B | width | 23 | 0 / -150 | 620-2 |
| Fw | inner enveloping circle diameter | 78.5 | 0 / 20 | 5412-1 |
| r1s min. | minimal chamfer dimension | 1.5 | | 5412-1 |
| r2s min. | minimal chamfer dimension | 1.5 | | 5412-1 |
| s | axial displacement | ~1.5 | | |
| D1 | outer shoulder diameter | 104 | | |
| E | raceway diameter outer ring | 108.5 | | 5412-1 |
| C3 | internal clearance | 0.06 / 0.09 | | 620-4 |

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



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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** |
| | 107000 | 14800 | | 281 | 119000 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 4800 | 5600 | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |
| **bearing clearance** | **radial min. [µm]** | **max. [µm]** | | | | |
| | 60 | 90 | | | | |

## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Inner ring | 100Cr6 | 683-17 | 58-65 |
| Outer ring | 100Cr6 | 683-17 | 58-65 |
| Cylindrical 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.