Hans Saurer Kugellager AG
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# data sheet

## general data/description

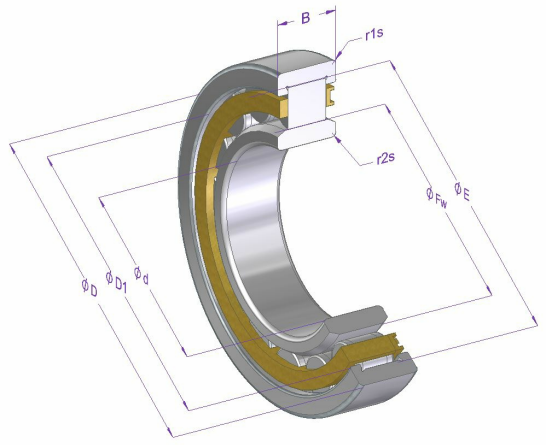
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**article** NU 234 E M1 HQS **Art-No.** 51459 **brand** SKA **weight/kg** 19.20

**description**

| | |
|---|---|
| NU | Design |
| 234 | size |
| E | Reinforced version |
| M1 | Brass cage, roller centered |
| HQS | Material |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 170 | 0 / -25 | 620-2 |
| D | nominal outer diameter | 310 | 0 / -35 | 620-2 |
| B | width | 52 | 0 / -250 | 620-2 |
| Fw | inner enveloping circle diameter | 207 | 0 / 25 | 5412-1 |
| r1s min. | minimal chamfer dimension | 4 | | 5412-1 |
| r2s min. | minimal chamfer dimension | 4 | | 5412-1 |
| D1 | outer shoulder diameter | 264.3 | | |
| E | raceway diameter outer ring | 279 | | 5412-1 |
| s | axial displacement | 4.4 | | |

## calculation and operating data

| | | | | | | |
|---|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 678000 | 78600 | | 281 | 820000 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 2000 | 2400 | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |
| **bearing clearance** | **radial min. [µm]** | **max. [µm]** | | | | |
| | 75 | 125 | | | | |

## 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 | ZCu55Mn2Fe1 | | |

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