Hans Saurer Kugellager AG
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# data sheet

## general data/description

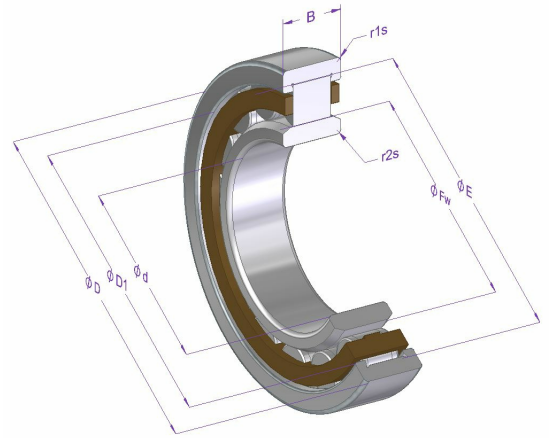
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**article** NU 213 E TVP2 HQS **Art-No.** 50199 **brand** SKA **weight/kg** 0.99

**description**

| | |
|---|---|
| NU | Design |
| 213 | Size |
| E | Reinforced version |
| TVP2 | Plastic cage |
| HQS | Material |

## 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 |
| r1s min. | minimal chamfer dimension | 1.5 | | 5412-1 |
| r2s min. | minimal chamfer dimension | 1.5 | | 5412-1 |
| Fw | inner enveloping circle diameter | 78.5 | 0 / 20 | 5412-1 |
| E | raceway diameter outer ring | 108.5 | | 5412-1 |
| D1 | outer shoulder diameter | 104 | | |
| s | axial displacement | ~ 1.5 | | |

## 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] |
|---|---|---|
| | 40 | 70 |

## 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 | PA66 + GF25 | | |

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