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# data sheet

## general data/description

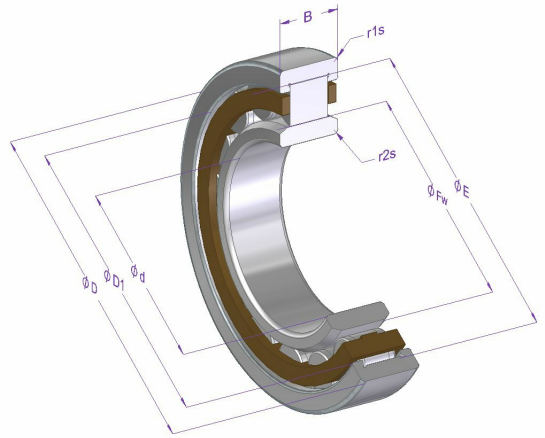
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**article** NU 207 E TVP2 HQS **Art-No.** 49704 **brand** SKA **weight/kg** 0.30

**description**

| | |
|---|---|
| NU | Design |
| 207 | Size |
| E | Reinforced version |
| TVP2 | Plastic cage |
| HQS | Material |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 35 | 0 / -12 | 620-2 |
| D | nominal outer diameter | 72 | 0 / -13 | 620-2 |
| B | width | 17 | 0 / -120 | 620-2 |
| r1s min. | minimal chamfer dimension | 1.1 | | 5412-1 |
| r2s min. | minimal chamfer dimension | 0.6 | | 5412-1 |
| Fw | inner enveloping circle diameter | 44 | 0 / 15 | 5412-1 |
| E | raceway diameter outer ring | 64 | | 5412-1 |
| D1 | outer shoulder diameter | 60.5 | | |
| s | axial displacement | ~ 1 | | |

## calculation and operating data

| | | | | | | |
|---|---|---|---|---|---|---|
| **load ratings** | **dynamic C [N]** | **fatique load limit load Cu [N]** | | **DIN/ISO** | **static Co [N]** | **DIN/ISO** |
| | 49100 | 6000 | | 281 | 48900 | 76 |
| **speed of rotation limit** | **reference n [1/min]** | **grease n [1/min]** | **oil n [1/min]** | | | |
| | | 8500 | 10000 | | | |
| **operating temperature** | **max. [°C]** | **min. [°C]** | | | | |
| | 120 | -20 | | | | |
| **bearing clearance** | **radial min. [µm]** | **max. [µm]** | | | | |
| | 25 | 50 | | | | |

## 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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