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# data sheet

## general data/description

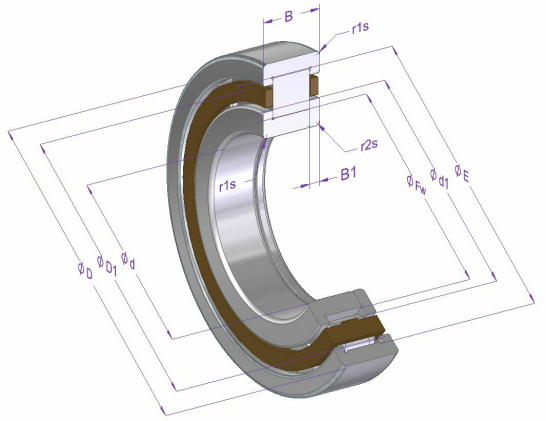
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**article** NUP 313 E TVP2 HQS **Art-No.** 49982 **brand** SKA **weight/kg** 2.19

**description**

| | |
|---|---|
| NUP | Design |
| 313 | 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 | 140 | 0 / -18 | 620-2 |
| B | width | 33 | 0 / -150 | 620-2 |
| Fw | inner enveloping circle diameter | 82.5 | 0 / 20 | 5412-1 |
| r1s min. | minimal chamfer dimension | 2.1 | | 5412-1 |
| r2s min. | minimal chamfer dimension | 2.1 | | 5412-1 |
| d1 | inner shoulder diameter | ~ 90.6 | | |
| D1 | outer shoulder diameter | ~ 118.8 | | |
| B1 | flange width | 5.5 | | 5412-1 |
| E | raceway diameter outer ring | 124.5 | | 5412-1 |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 176200 | 22700 | 281 | 186600 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 4600 | 5400 |

| 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 | | |
| Flange disc | 100Cr6 | 683-17 | 58-65 |

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