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# data sheet

## general data/description

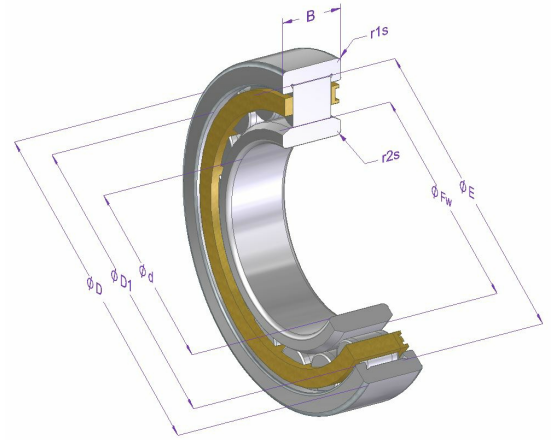
created: 20.12.2018 / 01 page: 1 / 1

**article** NU 1024 M1 **Art-No.** 50029 **brand** SKA **weight/kg** 2.40

**description**

| | |
|---|---|
| NU | Design |
| 1024 | Size |
| M1 | Brass cage, roller centered |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d | nominal inner diameter | 120 | 0 / -20 | 620-2 |
| D | nominal outer diameter | 180 | 0 / -25 | 620-2 |
| B | width | 28 | 0 / -200 | 620-2 |
| Fw | inner enveloping circle diameter | 135 | 0 / 25 | 5412-1 |
| r1s min. | minimal chamfer dimension | 2 | | 5412-1 |
| r2s min. | minimal chamfer dimension | 1.1 | | 5412-1 |
| D1 | outer shoulder diameter | ~159.7 | | |
| E | raceway diameter outer ring | 165 | | |
| s | axial displacement | ~3.2 | | |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 172000 | 28700 | 281 | 254000 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 3400 | 4300 |

| operating temperature | max. [°C] | min. [°C] |
|---|---|---|
| | 120 | -20 |

| bearing clearance | radial min. [µm] | max. [µm] |
|---|---|---|
| | 50 | 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 | CuZn40Pb2 | | |

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