## general data/description

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**article** KRV 16 PP OP SK LX3 **Art-No.** 47451

**brand** SKA **weight/kg** 0.02

**remark** Load ratings calculated according norms for rolling bearings. Rotational speed for F < 0.05 C0rw.

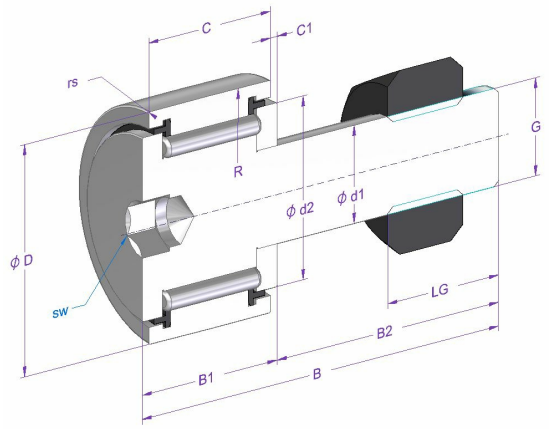
**description**

| | |
|---|---|
| KRV | Design |
| 16 | Size |
| PP | Seals on both sides |
| OP | Optimized profile |
| SK | Hexagon socket |

**greasing**

| | |
|---|---|
| LX3 | SHELL GADUS S3 V220C 2 |

## dimensions and tolerances




| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| d1 | shaft diameter | 6 | 0 / -12 | ISO 7063 |
| d2 | inner shoulder diameter | 12.5 | | |
| D | nominal outer diameter | 16 | 0 / -50 | ISO 7063 |
| C | outer ring width | 11 | 0 / -120 | ISO 7063 |
| C1 | distance | 0.6 | | ISO 7063 |
| B | length | 28 | -300 / 600 | WERKSNORM |
| B1 max. | width | 12.2 | | ISO 7063 |
| B2 | shaft lenght | 16 | | ISO 7063 |
| G | thread | M6x1 | | ISO 7063 |
| LG | thread length | 8 | | ISO 7063 |
| sw | wrench size | 4 | | |
| rs min. | minimal chamfer dimension | 0.15 | | ISO 7063 |
| R | radius outer ring | OP | | |
| Crw [N] | Effective dynamic load rating | 5160 | | |
| C0rw [N] | Effective static load rating | 5400 | | |
| Curw [N] | Effective fatigue limit load | 505 | | |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 6760 | 1110 | 281 | 7870 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 3800 | |

| operating temperature | max. [°C] | min. [°C] |
|---|---|---|
| | 100 | -20 |

| bearing clearance | radial min. [µm] | max. [µm] |
|---|---|---|
| | 10 | 35 |

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**Niederfeld 38**
**CH-9320 Stachen**



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## material specification

| description | material | DIN/ISO | hardness |
|---|---|---|---|
| Outer ring | 100Cr6 | 683-17 | 58-65 |
| Roller stud | 16CrMo4 | | |
| Needle rollers | 100Cr6 | 683-17 | 58-65 |
| Thrust washer | 100Cr6 | 683-17 | 58-65 |
| Seals | PA66 | | |

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