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# data sheet

## general data/description



**article** KRV 30 PP OP SK LX3 **Art-No.** 45679 **brand** SKA **weight/kg** 0.087

**remark** Tragzahlen gerechnet nach Normen für Wälzlager. Drehzahl für F < 0.05 C0

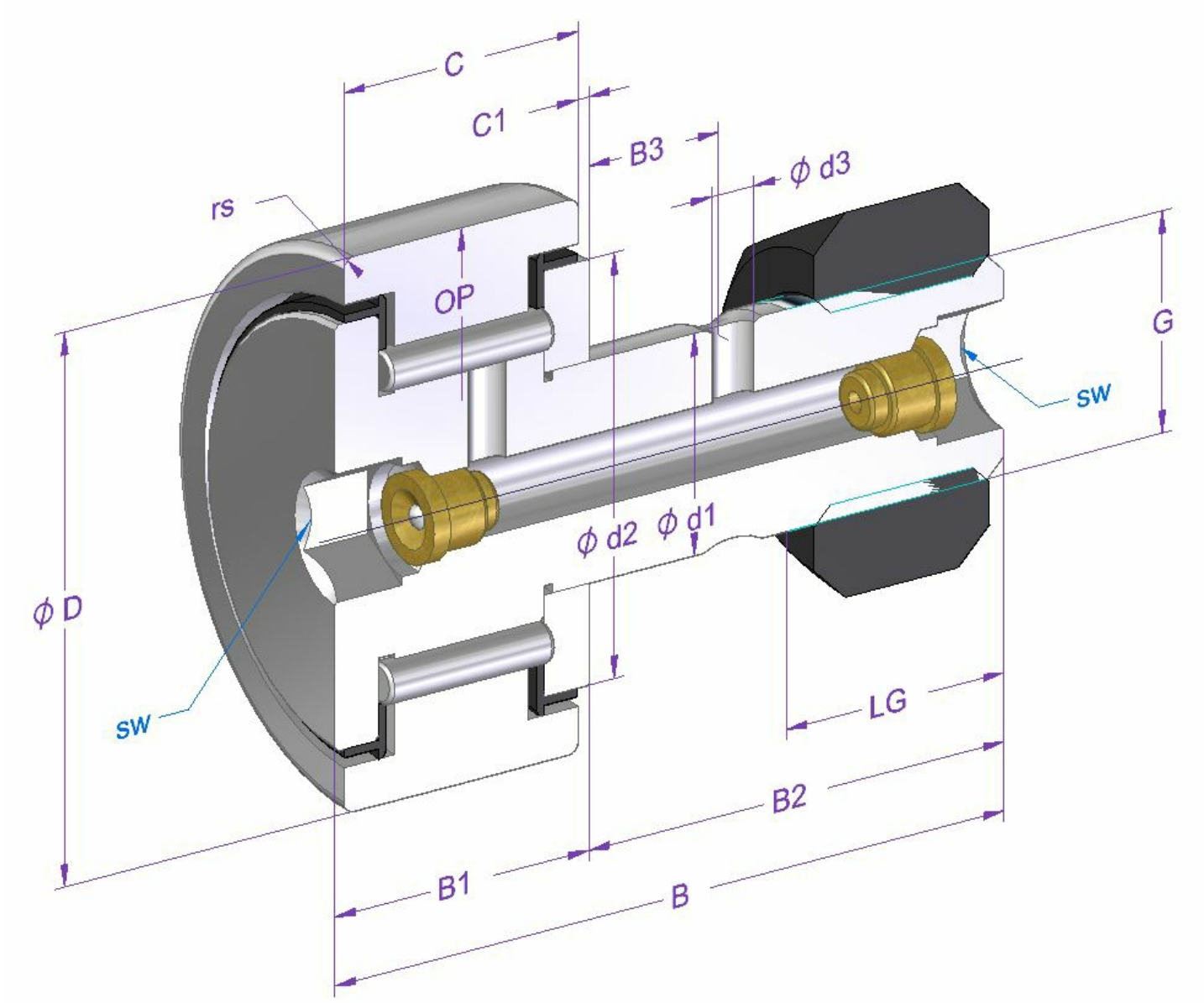
**description**

| | |
|---|---|
| KRV | Design |
| 30 | 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 | 12 | 0 / -18 | |
| d2 | inner shoulder diameter | 23 | | |
| d3 | diameter lubrication hole | 2.5 | | |
| D | nominal outer diameter | 30 | 0 / -50 | |
| C | outer ring width | 14 | 0 / -120 | 620-2 |
| C1 | distance | 0.6 | | |
| B | length | 40 | -300 / 600 | |
| B1 max. | width | 15.2 | | |

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| dimension | Description | [mm] | tolerance [µm] | DIN/ISO |
|---|---|---|---|---|
| B2 | shaft lenght | 25 | | |
| B3 | distance lubrication hole | 6 | | |
| G | thread | M12x1.5 | | |
| LG | thread length | 13 | | |
| sw | wrench size | 6 | | |
| rs min. | minimal chamfer dimension | 0.6 | | |
| OP | profile optimized | - | | |

## calculation and operating data

| load ratings | dynamic C [N] | fatique load limit load Cu [N] | DIN/ISO | static Co [N] | DIN/ISO |
|---|---|---|---|---|---|
| | 13000 | | 281 | 18000 | 76 |

| speed of rotation limit | reference n [1/min] | grease n [1/min] | oil n [1/min] |
|---|---|---|---|
| | | 2100 | |

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

| bearing clearance | radial min. [µm] | max. [µm] |
|---|---|---|
| | 20 | 45 |

## material specification

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

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