

**GAKR22-PB**

## Rod end

Rod end with external thread, right hand thread, requiring maintenance, sliding contact surface: steel/bronze, DIN ISO 12240-4, dimension series K, type M, open design

## Technical information



## Your current product variant

|                           |                                     |                           |
|---------------------------|-------------------------------------|---------------------------|
| Clampable                 | Not clampable                       |                           |
| Maintenance               | Maintenance required                |                           |
| Mounting                  | External thread                     |                           |
| Lubrication nipple        | DIN3405 (funnel-type grease nipple) |                           |
| Slotted                   | No                                  |                           |
| Thread Pitch              | Right-hand thread                   |                           |
| Sealing                   | Without                             |                           |
| Radial internal clearance | CN (Group N)                        | Normal internal clearance |

## Main Dimensions &amp; Performance Data

|             |          |                                   |
|-------------|----------|-----------------------------------|
| $C_r$       | 38.100 N | Basic dynamic load rating, radial |
| $C_{0r}$    | 61.100 N | Basic static load rating, radial  |
| $d$         | 22 mm    | Bore diameter bearing             |
| $D$         | 42 mm    | Outside diameter bearing          |
| $l_2$       | 111 mm   | Total length external thread head |
| $B$         | 28 mm    | Width inner ring                  |
| $d_2$       | 54 mm    | Outer eye diameter                |
| $\approx m$ | 0,5 kg   | Weight                            |



### Mounting dimensions

|                    |         |                                  |
|--------------------|---------|----------------------------------|
| d <sub>1</sub>     | 25,8 mm | Outer flange diameter inner ring |
| r <sub>1smin</sub> | 0,3 mm  | Edge Spacing                     |

### Dimensions

|                   |           |  |
|-------------------|-----------|--|
| d <sub>K</sub>    | 38,1 mm   | Ball diameter                          |
| d <sub>3</sub>    | M22x1,5   | Thread size                            |
| h                 | 84 mm     | Shank Length External thread rod       |
| C <sub>1</sub>    | 20 mm     | Width of the rod end                   |
| α                 | 15 °      | Tilt angle                             |
| l <sub>1</sub>    | 48 mm     | Shank Length External thread head      |
| l <sub>7</sub>    | 29 mm     | Distance drilling with/shaft start     |
| d <sub>OT</sub>   | 0,021 mm  | Bore diameter bearing, upper tolerance |
| d <sub>UT</sub>   | 0 mm      | Bore diameter bearing, lower tolerance |
| d <sub>T</sub>    | H7        | Bore diameter bearing, tolerance       |
| B <sub>OT</sub>   | 0 mm      | Width inner ring, upper tolerance      |
| B <sub>UT</sub>   | -0,12 mm  | Width inner ring, lower tolerance      |
| G <sub>r</sub>    | 0 - 0,035 | Radial Clearance                       |
| G <sub>rmax</sub> | 0,035 mm  | Radial clearance, maximum              |
| G <sub>rmin</sub> | 0 mm      | Radial clearance, minimum              |

### Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -60 °C | Operating temperature min. |
| T <sub>max</sub> | 250 °C | Operating temperature max. |



### Characteristics

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Radial load



Grease Lubrication



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment