

**GE20-UK-2RS**

## Spherical plain bearing

Radial spherical plain bearing, maintenance-free, sliding layer: ELGOGLIDE, DIN ISO 12240-1, Tolerances of the outside diameter and bore not according to DIN ISO 12240-1, dimension series E, sealed

## Technical information



## Your current product variant

|              |                            |
|--------------|----------------------------|
| Maintenance  | Maintenance free           |
| Type of Seal | 2RS Lip seal on both sides |
| Bore lining  | Without                    |
| Coating      | Without                    |
| Fabric       | ELGOGLIDE                  |
| Material     | Steel                      |

## Main Dimensions &amp; Performance Data

|                 |           |                                   |
|-----------------|-----------|-----------------------------------|
| d               | 20 mm     | Bore diameter bearing             |
| C <sub>r</sub>  | 67.900 N  | Basic dynamic load rating, radial |
| D               | 35 mm     | Outside diameter bearing          |
| B               | 16 mm     | Width inner ring                  |
| C               | 12 mm     | Width Outer ring                  |
| C <sub>0r</sub> | 113.000 N | Basic static load rating, radial  |
| m               | 59,244 g  | Weight                            |

## Mounting dimensions

|                   |         |                                    |
|-------------------|---------|------------------------------------|
| r <sub>1min</sub> | 0,3 mm  | Edge Spacing                       |
| r <sub>2min</sub> | 0,3 mm  | Edge Spacing                       |
| D <sub>amin</sub> | 27,5 mm | Housing Connection Diameter        |
| d <sub>amax</sub> | 24,1 mm | Connection measurement, inner ring |









## Dimensions

|            |             |  |
|------------|-------------|--|
| $d_K$      | 29 mm       | Ball diameter                          |
| $\alpha$   | 9 °         | Tilt angle                             |
| $D_{OT}$   | 0 mm        | Outside diameter, upper tolerance      |
| $D_{UT}$   | -0,011 mm   | Outside diameter, lower tolerance      |
| $B_{OT}$   | 0 mm        | Width inner ring, upper tolerance      |
| $d_{UT}$   | -0,01 mm    | Bore diameter bearing, lower tolerance |
| $B_{UT}$   | -0,12 mm    | Width inner ring, lower tolerance      |
| $d_{OT}$   | 0 mm        | Bore diameter bearing, upper tolerance |
| $C_{OT}$   | 0 mm        | Width outer ring, upper tolerance      |
| $C_{UT}$   | -0,24 mm    | Width outer ring, lower tolerance      |
| $G_r$      | 0 - 0,04 mm | Radial Clearance                       |
| $G_{rmax}$ | 0,04 mm     | Radial clearance, maximum              |
| $G_{rmin}$ | 0 mm        | Radial clearance, minimum              |

## Temperature range

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -30 °C | Operating temperature min. |
| $T_{max}$ | 130 °C | Operating temperature max. |

## Characteristics

|   |  |
|---|--|
|  | Radial load                                    |
|  | Axial load in one direction                    |
|  | Axial load in two directions                   |
|  | Lifetime lubrication, freedom from maintenance |
|  | Sealed on both sides                           |
|  | Static angular error and misalignment          |
|  | Dynamic angular error and misalignment         |