

**GE670-DW-2RS2-G8-W11-XL**

## Spherical plain bearing

Large radial spherical plain bearing, maintenance-free, sliding layer: ELGOGLIDE, inner ring curved surface with hard chromium coating, DIN ISO 12240-1, dimension series C, sealed

X-life

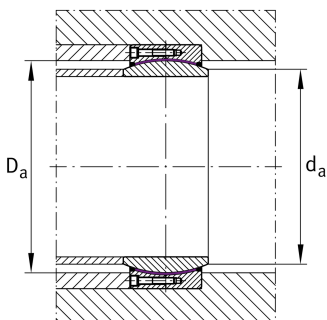
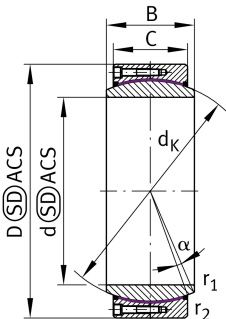
## Technical information

## Your current product variant

|             |                  |   |
|-------------|------------------|---|
| Maintenance | Maintenance free |   |
| Sealing     | 2RS2             | Lip seals with increased sealing action on both sides   |
| Bore lining | Without          |   |
| Coating     | G8               | Outer ring with Corrotect ZN Coating, curved and end surfaces of inner ring with hard chromium coating (Durotect CMT) |
| Fabric      | W11              | For low contact pressures (starting as low as 1 N/mm <sup>2</sup> ) and minimal friction                              |
| Material    | Steel            |   |

## Main Dimensions &amp; Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 670 mm       | Bore diameter bearing             |
| C <sub>r</sub>  | 54.600.000 N | Basic dynamic load rating, radial |
| D               | 900 mm       | Outside diameter bearing          |
| B               | 308 mm       | Width inner ring                  |
| C               | 260 mm       | Width Outer ring                  |
| C <sub>0r</sub> | 91.100.000 N | Basic static load rating, radial  |
| ≈m              | 595,2 kg     | Weight                            |





### Mounting dimensions

|                   |        |                                    |
|-------------------|--------|------------------------------------|
| $r_{1\text{min}}$ | 3 mm   | Edge Spacing                       |
| $r_{2\text{min}}$ | 6 mm   | Edge Spacing                       |
| $D_{\text{amin}}$ | 746 mm | Housing Connection Diameter        |
| $d_{\text{amax}}$ | 722 mm | Connection measurement, inner ring |

### Dimensions

|                   |           |  |
|-------------------|-----------|--|
| $d_{\text{K}}$    | 785 mm    | Ball diameter                          |
| $\alpha$          | 3,7 °     | Tilt angle                             |
| $D_{\text{OT}}$   | 0,018 mm  | Outside diameter, upper tolerance      |
| $D_{\text{UT}}$   | -0,09 mm  | Outside diameter, lower tolerance      |
| $B_{\text{OT}}$   | 0 mm      | Width inner ring, upper tolerance      |
| $d_{\text{UT}}$   | -0,075 mm | Bore diameter bearing, lower tolerance |
| $B_{\text{UT}}$   | -0,75 mm  | Width inner ring, lower tolerance      |
| $d_{\text{OT}}$   | 0 mm      | Bore diameter bearing, upper tolerance |
| $C_{\text{OT}}$   | 0 mm      | Width outer ring, upper tolerance      |
| $C_{\text{UT}}$   | -1,2 mm   | Width outer ring, lower tolerance      |
| $G_{\text{r}}$    | 0 - 0,16  | Radial Clearance                       |
| $G_{\text{rmax}}$ | 0,16 mm   | Radial clearance, maximum              |
| $G_{\text{rmin}}$ | 0 mm      | Radial clearance, minimum              |

### Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| $T_{\text{min}}$ | -40 °C | Operating temperature min. |
| $T_{\text{max}}$ | 120 °C | Operating temperature max. |



## Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Sealed on both sides



Large bearing



Static angular error and misalignment



Dynamic angular error and misalignment