



## GE40-UK-2TS

### Spherical plain bearing

Schaeffler ID:  
0559087050000

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

#### Technical information

#### Main Dimensions & Performance Data

|          |           |                                   |
|----------|-----------|-----------------------------------|
| D        | 62 mm     | Outside diameter bearing          |
| d        | 40 mm     | Bore diameter bearing             |
| B        | 28 mm     | Width Inner ring                  |
| C        | 22 mm     | Width Outer ring                  |
| $C_r$    | 280.000 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 466.000 N | Basic static load rating, radial  |
|          | 0,307 kg  | Weight                            |

#### Dimensions

|          |             |  |
|----------|-------------|--|
| $d_K$    | 53 mm       | Ball diameter                          |
| $\alpha$ | 7 °         | Tilt angle                             |
| $G_r$    | 0 - 0,06 mm | Radial Clearance                       |
| $d_{OT}$ | 0 mm        | Bore diameter bearing, upper tolerance |
| $d_{UT}$ | -0,012 mm   | Bore diameter bearing, lower tolerance |
| $D_{OT}$ | 0 mm        | Outside diameter, upper tolerance      |
| $D_{UT}$ | -0,013 mm   | Outside diameter, lower tolerance      |
| $B_{OT}$ | 0 mm        | Width inner ring, upper tolerance      |
| $B_{UT}$ | -0,12 mm    | Width inner ring, lower tolerance      |
| $C_{OT}$ | 0 mm        | Width outer ring, upper tolerance      |
| $C_{UT}$ | -0,3 mm     | Width outer ring, lower tolerance      |

#### Mounting dimensions

|             |        |                               |
|-------------|--------|-------------------------------|
| $r_{1smin}$ | 0,6 mm | Edge Spacing                  |
| $r_{2smin}$ | 1 mm   | Edge Spacing                  |
| $d_{amax}$  | 45 mm  | Connection measure Inner ring |
| $D_{amin}$  | 51 mm  | Housing Connection Diameter   |

#### Temperature range

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -30 °C | Operating temperature min. |
| $T_{max}$ | 100 °C | Operating temperature max. |

