

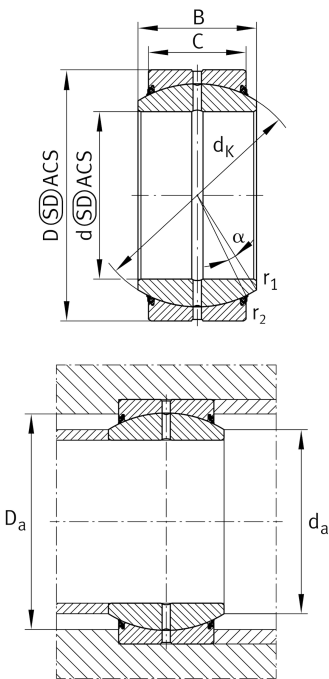


GE90-DO-2TS

Spherical plain bearing

High performance radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, DIN ISO 12240-1, dimension series E, sealedHigh-performance: For highest load rating and lifetime demands

Informacje techniczne



Twoja aktualna wersja produktu

|                           |                      |                                                                    |
|---------------------------|----------------------|--------------------------------------------------------------------|
| Maintenance               | Maintenance required |                                                                    |
| Material                  | Steel                |                                                                    |
| Sealing                   | 2TS                  | Integrated triple lip high performance seals on both sides         |
| Radial internal clearance | CN (Group N)         | Normal internal clearance                                          |
| Coating                   | Durotect M           | Inner- and outer ring coated with Durotect M (Manganese Phosphate) |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 90 mm       | Bore diameter bearing             |
| D               | 130 mm      | Outside diameter bearing          |
| B               | 60 mm       | Width inner ring                  |
| C <sub>r</sub>  | 635.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 2.440.000 N | Basic static load rating, radial  |
| m               | 2,72 kg     | Masa                              |

Mounting dimensions

|                    |         |                               |
|--------------------|---------|-------------------------------|
| r <sub>1smin</sub> | 1 mm    | Edge Spacing                  |
| r <sub>2smin</sub> | 1 mm    | Edge Spacing                  |
| d <sub>a max</sub> | 98,1 mm | Connection measure Inner ring |
| D <sub>a min</sub> | 108 mm  | Housing Connection Diameter   |



Dimensions

|                   |               |                                        |
|-------------------|---------------|----------------------------------------|
| C                 | 50 mm         | Width Outer ring                       |
| d <sub>K</sub>    | 115 mm        | Ball diameter                          |
| α                 | 5 °           | Tilt angle                             |
| d <sub>OT</sub>   | 0 mm          | Bore diameter bearing, upper tolerance |
| d <sub>UT</sub>   | -0,02 mm      | Bore diameter bearing, lower tolerance |
| D <sub>OT</sub>   | 0 mm          | Outside diameter, upper tolerance      |
| D <sub>UT</sub>   | -0,018 mm     | Outside diameter, lower tolerance      |
| B <sub>OT</sub>   | 0 mm          | Width inner ring, upper tolerance      |
| B <sub>UT</sub>   | -0,2 mm       | Width inner ring, lower tolerance      |
| C <sub>OT</sub>   | 0 mm          | Width outer ring, upper tolerance      |
| C <sub>UT</sub>   | -0,5 mm       | Width outer ring, lower tolerance      |
| G <sub>r</sub>    | 0,072 - 0,142 | Radial Clearance                       |
| G <sub>rmax</sub> | 0,142 mm      | Radial clearance, maximum              |
| G <sub>rmin</sub> | 0,072 mm      | Radial clearance, minimum              |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 100 °C | Operating temperature max. |

Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie smarem
-  Uszczelnienie dwustronne
-  Nieosiowość statyczna
-  Nieosiowość dynamiczna