

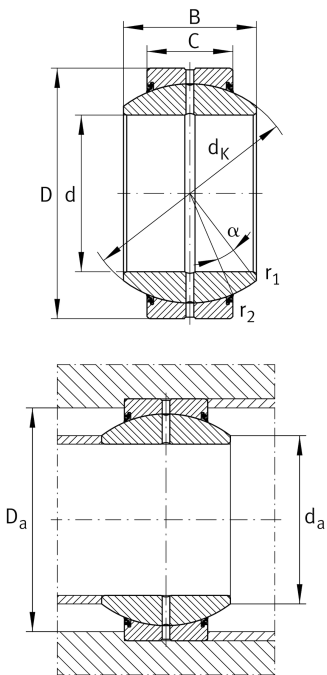


GE120-FO-2RS

Spherical plain bearing

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

Informacje techniczne



Twoja aktualna wersja produktu

|                           |                      |                                                                    |
|---------------------------|----------------------|--------------------------------------------------------------------|
| Maintenance               | Maintenance required |                                                                    |
| Material                  | Steel                |                                                                    |
| Sealing                   | 2RS                  | Lip 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               | 120 mm      | Bore diameter bearing             |
| D               | 210 mm      | Outside diameter bearing          |
| B               | 115 mm      | Width inner ring                  |
| C <sub>r</sub>  | 1.390.000 N | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 5.360.000 N | Basic static load rating, radial  |
| ≈m              | 15,1 kg     | Masa                              |

Mounting dimensions

|                    |          |                               |
|--------------------|----------|-------------------------------|
| r <sub>1</sub> min | 1 mm     | Edge Spacing                  |
| r <sub>2</sub> min | 1 mm     | Edge Spacing                  |
| d <sub>a</sub> max | 138,4 mm | Connection measure Inner ring |
| D <sub>a</sub> min | 173 mm   | Housing Connection Diameter   |



Dimensions

|                   |               |                                        |
|-------------------|---------------|----------------------------------------|
| C                 | 70 mm         | Width Outer ring                       |
| d <sub>K</sub>    | 180 mm        | Ball diameter                          |
| α                 | 16 °          | 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>   | -0,03 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>   | -0,6 mm       | Width outer ring, lower tolerance      |
| G <sub>r</sub>    | 0,085 - 0,165 | Radial Clearance                       |
| G <sub>rmax</sub> | 0,165 mm      | Radial clearance, maximum              |
| G <sub>rmin</sub> | 0,085 mm      | Radial clearance, minimum              |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 130 °C | Operating temperature max. |

Właściwości

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