

**GE70-HO-2RS-E**

Spherical plain bearing



High performance Radial spherical plain bearing, requiring maintenance, sliding contact surface: steel/steel, cylindrical extensions on inner ring, sealed

Technical information



Your current product variant

| | | |
|---------------------------|----------------------|--|
| Maintenance | Maintenance required | |
| Material | Steel | |
| Type of 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 | 70 mm | Bore diameter bearing |
| D | 105 mm | Outside diameter bearing |
| B | 65 mm | Width inner ring |
| C_r | 313.000 N | Basic dynamic load rating, radial |
| C_{0r} | 1.560.000 N | Basic static load rating, radial |
| $\approx m$ | 1,6 kg | Weight |

Mounting dimensions

| | | |
|-------------------|--------|-------------------------------|
| $r_{1\text{min}}$ | 0,3 mm | Edge Spacing |
| $r_{2\text{min}}$ | 1 mm | Edge Spacing |
| $d_{a\text{max}}$ | 78 mm | Connection measure Inner ring |
| $D_{a\text{min}}$ | 87 mm | Housing Connection Diameter |



Dimensions

| | | |
|-------------------|---------------|--|
| C | 40 mm | Width Outer ring |
| d _K | 92 mm | Ball diameter |
| α | 3 ° | Tilt angle |
| d _{OT} | 0 mm | Bore diameter bearing, upper tolerance |
| d _{UT} | -0,015 mm | Bore diameter bearing, lower tolerance |
| d _T | 0.015 | Bore diameter bearing, tolerance |
| D _{OT} | 0 mm | Outside diameter, upper tolerance |
| D _{UT} | -0,015 mm | Outside diameter, lower tolerance |
| B _{OT} | 0,3 mm | Width inner ring, upper tolerance |
| B _{UT} | -0,3 mm | Width inner ring, lower tolerance |
| C _{OT} | 0 mm | Width outer ring, upper tolerance |
| C _{UT} | -0,4 mm | Width outer ring, lower tolerance |
| G _r | 0,072 - 0,142 | Radial Clearance |
| G _{rmax} | 0,142 mm | Radial clearance, maximum |
| G _{rmin} | 0,072 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



Grease Lubrication



Sealed on both sides



Static angular error and misalignment



Dynamic angular error and misalignment