

**GE45-AW**

Spherical plain bearing

Axial spherical plain bearing, maintenance-free, DIN ISO 12240-3, shaft location washer curved surface with hard chromium coating, open design

Technical information



Your current product variant

| | |
|------------------------|------------------|
| Maintenance | Maintenance free |
| Coating | Without |
| Material sliding Layer | ELGOGLIDE |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|----------------------------------|
| d | 45 mm | Bore diameter bearing |
| D | 120 mm | Outside diameter bearing |
| T | 36,5 mm | Height |
| B | 31 mm | Width inner ring |
| C _a | 1.460.000 N | Basic dynamic load rating, axial |
| C _{0a} | 2.430.000 N | Basic static load rating, axial |
| ≈m | 2,49 kg | Weight |

Mounting dimensions

| | | |
|--------------------|--------|-------------------------------|
| r _{1smin} | 1 mm | Edge Spacing |
| r _{2smin} | 0,3 mm | Edge Spacing |
| d _{a max} | 89 mm | Connection measure Inner ring |
| D _{a min} | 74 mm | Housing Connection Diameter |



Dimensions

| | | |
|----------|-----------|--|
| d_K | 130 mm | Ball diameter |
| d_2 | 112 mm | Outer eye diameter |
| d_3 | 89 mm | Front surface diameter of shaft washer |
| D_1 | 68 mm | Bore diameter of housing washer |
| C | 25 mm | Width Outer ring |
| s | 27,5 mm | Plane Surface Spacing |
| α | 6 ° | Tilt angle |
| 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} | -0,015 mm | Outside diameter, lower tolerance |
| T_{OT} | 0 mm | Height, upper tolerance |
| B_{OT} | 0 mm | Width inner ring, upper tolerance |
| T_{UT} | -0,4 mm | Height, lower tolerance |
| B_{UT} | -0,24 mm | Width inner ring, lower tolerance |
| C_{OT} | 0 mm | Width outer ring, upper tolerance |
| C_{UT} | -0,24 mm | Width outer ring, lower tolerance |

Temperature range

| | | |
|-----------|--------|----------------------------|
| T_{min} | -50 °C | Operating temperature min. |
| T_{max} | 150 °C | Operating temperature max. |



Characteristics



Radial load



Axial load in one direction



Lifetime lubrication, freedom from maintenance



Not sealed



Static angular error and misalignment



Dynamic angular error and misalignment