製品情報

Closed Guide Bush N553

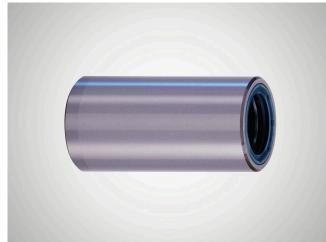
Suitability

Design as for N 550, with sealing and stop rings fixed on both sides.

- When used in combination with shaft diameter dw ISO-h3, preloading of the rotary stroke bearing is guaranteed.
- Guide bush N 553 is designed for use in dirty environments.
- The sealing rings prevent any dirt particles from penetrating. (The rubbing action of the sealing rings on the shaft affects the smooth running of the rotary stroke bearing slightly.)
- Secure path limitation for the ball cage is ensured.

Features

- Sealing and stop rings fixed on both sides.
- The closed guide bush and integrated ball cage form a separate component. Guide bore diameter d1 is finely honed to ISO tolerance IT 3, Rz 0.5 – 1.5 µm depending on diameter.
- Roundness within 1/3 ISO-IT 3.
- Cylindricity within IT 1.
- Radial run-out of a shaft inserted under preloading is within 0.0005 mm.
- Outside diameter dB n4 with radial run-out error within IT 4, ground to guide bore diameter d1, lead-in taper on one side.
- The maximum stroke path Hmax of the rotary stroke bearing is determined from the length of guide bush I3 and the length of the ball cage I2: Hmax = 2 (I3-I2).
- See catalog page 37-41 for instructions on installation and servicing.



品目番号 5009072

技術データ

| material | Steel |
|---------------------------------|-----------------------|
| material number | 1.3505 (AISI E52 100) |
| heat treatment | through-hardened |
| constant working temperature | 100 |

寸法

| shaft diameter (dw) | 12 |
|---------------------------------------|----|
| Inner diameter of guide bush (d1) | 17 |
| Length of guide bush with sealing (L) | 58 |
| Length of guide bush (I1/L) | 58 |
| Inner dimension of guide bush (I3) | 47 |
| Outer diameter of guide bush (dB) | 22 |
| outer diameter tolerance | n4 |
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