

製品情報

Closed Guide Bush N552

Suitability

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

- When used in combination with shaft diameter d_w ISO-h3, preloading of the rotary stroke bearings is guaranteed.
- The stop rings ensure the cage is effectively restricted for linear and rotary movements.
- Smooth running of the rotary stroke bearing is not impaired by the stop rings.



品目番号 5003044

Features

- Stop rings fixed on both sides.
- The closed guide bush and integrated ball cage form a separate component.
- Guide bore diameter d_1 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 d_B n4 with radial run-out error within IT 4, ground to guide bore diameter d_1 , lead-in taper on one side.
- The maximum stroke path H_{max} is determined from the length of guide bush l_3 and the length of the ball cage l_2 : $H_{\text{max}} = 2 (l_3 - l_2)$.
- See catalog page 37-41 for instructions on installation and servicing.

技術データ

| | |
|------------------------------|-----------------------|
| material | Steel |
| material number | 1.3505 (AISI E52 100) |
| heat treatment | through-hardened |
| constant working temperature | 150 |

寸法

| | |
|---|----|
| shaft diameter (d_w) | 8 |
| Inner diameter of guide bush (d_1) | 13 |
| Length of guide bush (l_1/L) | 40 |
| Inner dimension of guide bush (l_3) | 38 |
| Outer diameter of guide bush (d_B) | 18 |
| outer diameter tolerance | n4 |

