# 製品情報

# Closed Guide Bush N553

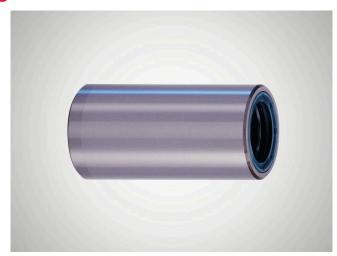
### Suitability

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 5009113

## 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) 32  Inner diameter of guide bush 40 (d1)  Length of guide bush with 97 sealing (L)  Length of guide bush (l1/L) 97  Inner dimension of guide 82 bush (l3)  Outer diameter of guide bush 48 (dB)		
(d1) Length of guide bush with sealing (L) Length of guide bush (l1/L) 97 Inner dimension of guide bush (l3) Outer diameter of guide bush 48	shaft diameter (dw)	32
sealing (L)  Length of guide bush (I1/L)  Inner dimension of guide bush (I3)  Outer diameter of guide bush 48		40
Inner dimension of guide bush (I3) Outer diameter of guide bush 48		97
bush (I3) Outer diameter of guide bush 48	Length of guide bush (I1/L)	97
5	<u> </u>	82
()	Outer diameter of guide bush (dB)	48
outer diameter tolerance n4	outer diameter tolerance	n4

