RECIRCULATING BALL BUSH ~ISO9448-3









Description:

The recirculating ball bush is used when very large paths (strokes) are travelled. This is only limited by the mounting situation.

In comparison to guides with ball cage, however, the lower dynamic load figures (C) should be observed. Despite the high number of ball tracks, fewer balls are in usage.

For optimum service life, a movement path (stroke) of three times the length of the recirculating ball bush is recommended (3 x I_1).

Material:

Socket (1): Steel, hardened 62 ± 2 HRC Ball carrier (2): Aluminium Balls (3): Steel, hardened, conforming to DIN 5401

Execution:

Outside diameter precision ground.

Slip-Fit Bonding:

The bush is accurately positioned by means of H6 slip-fit hole. The slip-fit adhesive (order no. 281.648) is used solely to secure the bond.

Advantages of slip-fit bonding:

- High accuracy and stability
- Ease of interchangeability

We do not recommend press-fitting the bush since that causes unacceptable alteration to the shape of the bush.

Fastening within the locating hole using DIN 472 locking rings is possible. **Note:**

Batching guide combinations, see selection matrix at the beginning of chapter D.

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Beside the end of chapter D.

Recirculating ball bushes only with red guide pillar = .30 combinable.

2061.69. .1 Recirculating ball bush ~ISO9448-3



Ordering Code (example):

Recirculating ball bush ~ISO9448-3		= 2061.69.		
Diameter of conduit d ₁	25 mm	=	025.	
Length I ₁	60 mm	=	060.	
Standard design		=	1	
Order No		=2061.69.	025.060.1	