

## MANGACHOC® Steel Slide-Bearing for difficult working conditions

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- *maintenance-free*
  - *without lubrication or PTFE*
  - *highly wear-resistant*
  - *shockproof under high loads*
  - *dirty environment*
  - *for high and low temperatures*
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MANGACHOC Slide-Bearings are made of an amagnetic and high-carbon austenitic steel. In connection with a hard-metal friction counterpart, the hardness of the steel surface increases under dynamic load (impact and shock) up to 600 HV. This hardened surface builds up continuously, providing excellent resistance to wear.

### **Operating conditions:**

Admissible sliding speed without lubrication: 0,1 m/s

Friction value without lubrication: 0,15 (typically 0,08-0,28)

Temperature range: - 100°C to + 380°C

### **Tolerance details:**

Housing bore: H7

Shaft diameter: h7

### **Mounting instructions:**

We recommend an installing of the Slide-Bearings in cooling with liquid nitrogen. If this is not possible you may also assemble by pressing or by spot welding.