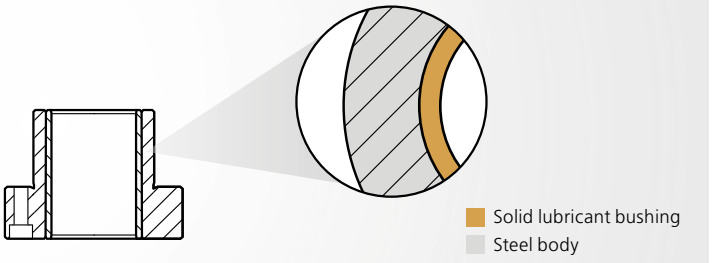
Sliding guides with solid lubricant and solid lubricant rings

With solid lubricant



Design

- The hardened steel body (63 HRC) supports the solid lubricant bushing, takes on lateral forces and prevents the guide bush from becoming deformed due to the strong force application.
- The integrated sintered bronze solid lubricant bushing (CuSn10) with solid lubricant (MoS2) is self-lubricating and low maintenance.
- The integrated solid lubricant bushing has a hardness class of 65 HV. It is extremely low-wear and honed to the highest surface quality.

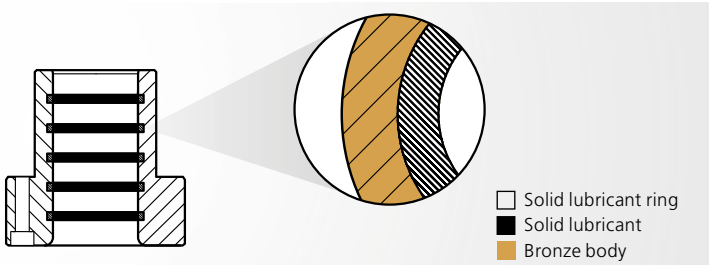
Lubrication

- The sintered bronze solid lubricant assumes the lubricating function between the bush and pillar.
- The lubricating film evenly covers the entire internal wall of the bush.
- The adherent, coherent lubricating film also prevents corrosion of the guide bush and guide pillar during standstill or when starting.

Application

- Also suitable for extremely small strokes and radial movements
- Sliding speed up to 20 m/min
- Guide clearance of 3 – 10 µm (with a diameter of 32 mm) – If greater clearance is desired, please specify this when ordering.
- Optimal for low maintenance applications
- Outstanding dry-running properties

With solid lubricant rings



Design

- The bronze guides (CuZn25Al5) with integrated graphite solid lubricant rings (soaked in hydraulic oil) are self-lubricating and low maintenance.
- With their material hardness class of 22 HRC, the guide bushes are characterised by a high level of stability.
- Several solid lubricant rings are integrated flush with the sliding surface inside the bush.
- It has excellent thermal conductivity in order to quickly dissipate the resulting friction heat.
- The self-lubrication system of the bush significantly reduces maintenance expense.

Lubrication

- The solid lubricant contained within the rings assumes the lubricating function between the bush and pillar.
- The adherent, coherent lubricating film also prevents corrosion of the guide bush and guide pillar during standstill or when starting.

Application

- Suitable for axial movements with a large stroke
- In order to guarantee an optimal lubricating film for guide bushes with solid lubricant rings, the stroke must always be greater than the distance between the solid lubricant rings.
- Sliding speed up to 20 m/min
- Guide clearance of 3–10 µm (with a diameter of 32 mm) – If greater clearance is desired, please specify this when ordering
- Optimal for low maintenance applications
- Required dry-running properties