5 Mounting BSHP, RSHP, BSCL runner blocks

▶ Consider the weight of the runner blocks ➠ 3.2

⚠ WARNING

Risk of injury in the case of vertical installations. Runner block may drop down.

Minor to serious injuries (depending on the weight of the runner blocks).

▶ Secure the runner blocks against dropping.

⚠ CAUTION

Risk of injury due to unplugged mounting holes in the runner block

Injury to fingers if a finger becomes jammed a mounting hole and the runner block is moved.

▶ Always cover the runner block mounting holes.
For example with adhesive tape (3) (packaging tape)!

⚠ WARNING

Excessively high loads and moments may cause the limits for screw connections to be exceeded.

Risk of injury or death due to falling rail system.

▶ Screw connections must be recalculated and verified during design calculations.
See catalog.

NOTICE

The rolling elements may fall out! Damage to the runner block!

Damage to the product

▶ Do not pull the runner block (1) before the mounting arbor (2).
This must remain in the runner block until it is slid onto the guide rails!
Otherwise, rolling elements may fall out.

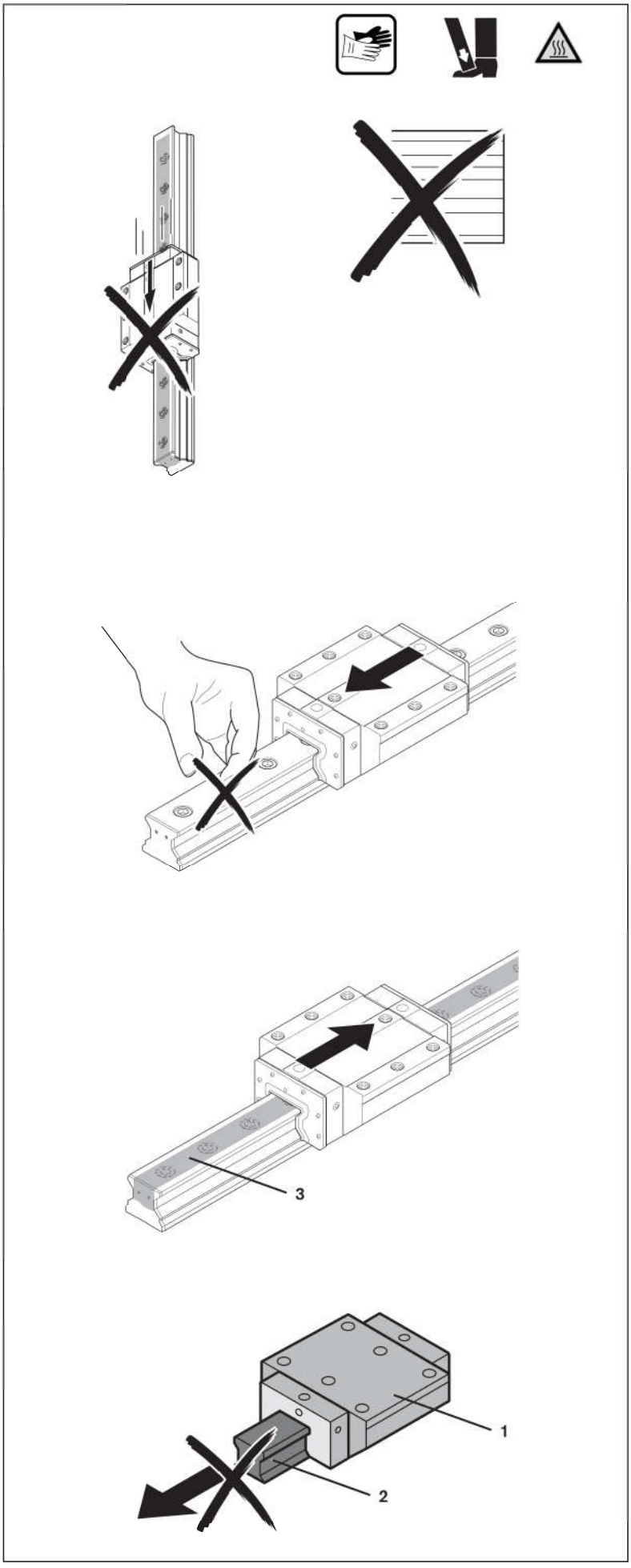


Fig. 52: **Mounting the runner block (instructions)**

5.1 Preparation

- The runner blocks (1) are delivered with a plastic arbor (2).

NOTICE

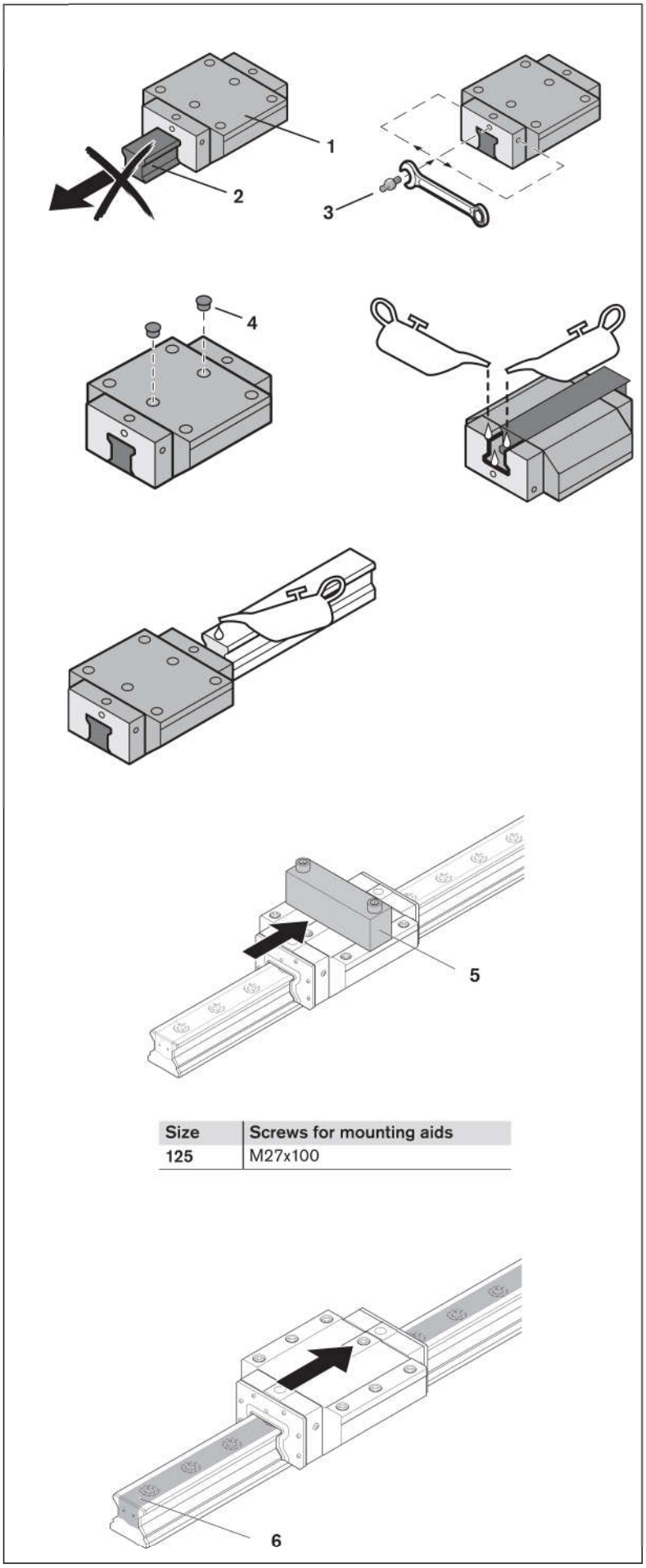
Damage to the runner block! (seals)

Damage to the product

- For one-piece guide rails, chamfer the end faces and round the transitions of the edges as necessary.
- For composite guide rails, hone the joints of the guide rail.
- Do not screw in the lube nipple too tight.

- Screw in lube nipple (3).
- Remove the seal plug (4) if present.
- Apply oil or grease to the sealing lips and longitudinal seals on the runner block. When doing this, shift the mounting arbor only as far as necessary to expose the sealing lips.
- RSHP: To facilitate the mounting and measurement (e.g. with a mounting runner block) of heavy duty roller runner blocks, use 1 or 2 mounting aids (5) depending on the requirements.
- Checking of the parallelism or vertical offset should preferably be done using a mounting runner block (only for RSHP). It is also possible to do this with runner blocks which will not be used in the production process. If checking is done with runner blocks that will be used in the production process, their sealing lips must be protected. For example by sticking down the mounting holes of the guide rail using adhesive tape (6) (packaging tape)!

Runner blocks are treated with an oil-based preservative before leaving the factory. Clean all reference and mating surfaces.



Size	Screws for mounting aids
125	M27x100

Fig. 53: **Preparations for mounting the runner block**

EN

5.2 Sliding the runner block onto the guide rail

If the mounting holes on guide rails for mounting from above have not yet been sealed, this must be done with adhesive tape (3) (e.g. packaging tape).

Runner blocks with measuring system (4) must never be pushed onto the guide rail with the measuring system side first!
Take note of the Instructions for Integrated Measuring System for Ball and Roller Rail Systems.

1. Make sure that the end faces of the guide rails (6) are chamfered and free of burrs. The transitions at the chamfered edges (1) must be rounded.
2. Check whether a clipped-on cover strip (Rail Seal) fits snugly along the rail head and at the end faces (2).
3. Always push the runner block onto the end of the rail with the ready-made angled-down Rail Seal tongue!
   Never attempt to push the runner block on over a cut end or one you have shaped yourself,
   as this may result in damage to the sealing lip and cause the runner block to fail!
   The Rail Seal must fit snugly at the end of the rail!
4. Check that all steel mounting hole plugs are flush and smoothed.
5. Check that all plastic mounting hole plugs are flush with the rail surface.
6. Apply oil or grease to the chamfers on the guide rail as well as to the end face of any mounted cover strip.
7. Position the runner block with the mounting arbor directly against the guide rail.
8. Carefully slide the runner block onto the rail.
   If necessary, use lifting gear (5).
9. If necessary check the parallelism and vertical offset of the rail system
   ➠ 4.6/4.7.

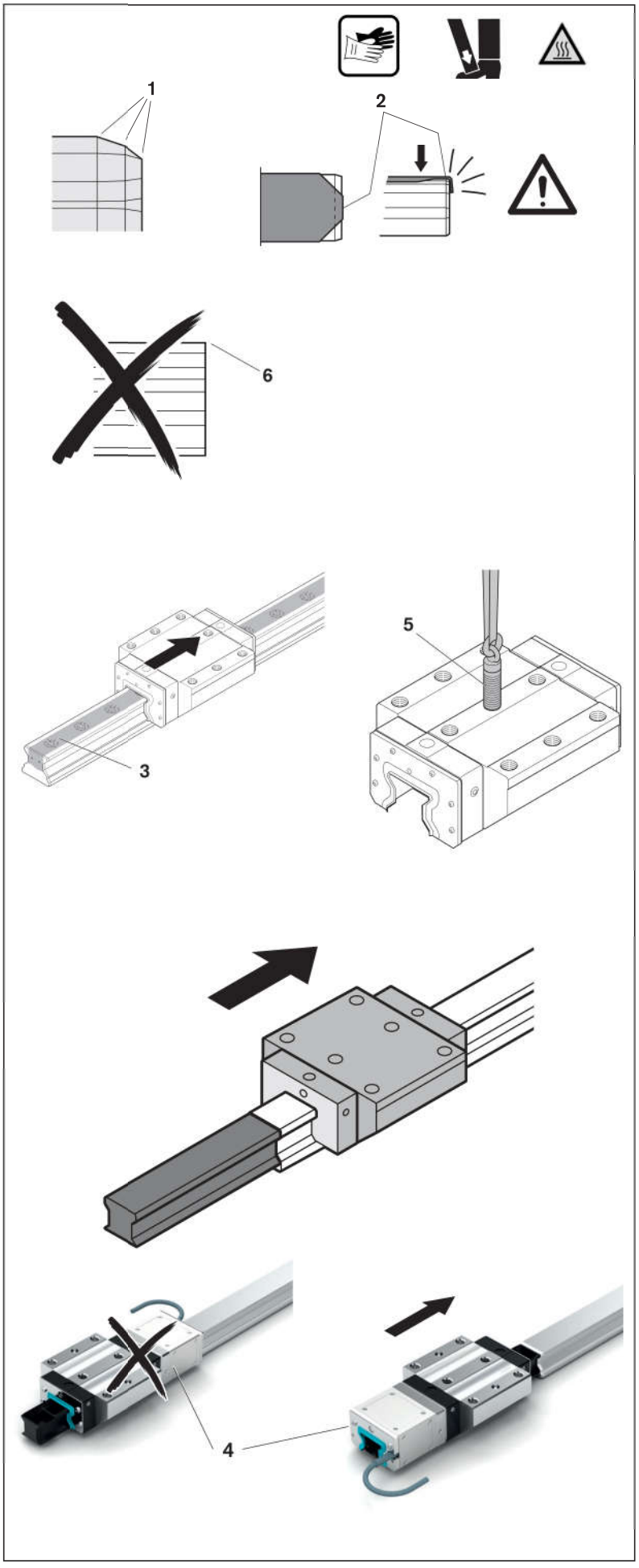


Fig. 54: **Sliding on the runner blocks**