OPERATING INSTRUCTIONS

SIEGENIA®
brings spaces to life

KFV

Multi-point locks
Key-operated

BS 2100
BS 2800
A 1100
A 1800

Window systems
Door systems
Comfort systems

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1 Introduction

Read these instructions completely before you use the multi-point locks.

To safely use the multi-point locks BS 2100 and BS 2800, adhere to the defined operating instructions in order to prevent functional disorders or damage. Follow the notes in Chapter 2 "Safety", in order to prevent personal injury or damage.

1.1 Manufacturer and Service

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Please contact your retail partner in case of complaints or service requirement.

1.2 Target group of this documentation

These instructions are intended for end users.

1.3 Intended use

- The multi-point lock is suitable for use in single-sash and double-sash doors in permanent buildings.
- The multi-point lock may only be installed in doors that have been fitted in a technically sound manner.
- The door design must permit use of the multi-point lock.

1.4 Locking part and hardware

- Repair of the multi-point lock is not permissible. If the multi-point lock is damaged, it must be repaired or replaced by KFV or by a specialist company.
- Use only KFV frame parts.

1.5 Improper use

- The multi-point lock must not be used for escape doors.
- The multi-point lock must not be used in doors for wet rooms or rooms in which the air contains aggressive or corrosive components.
- Foreign objects and/or materials which impede or prevent proper use must not be placed within the opening range, the locking system or the striker plates.
- Do not interfere with and/or make any modifications to the multi-point lock.

1.6 Service notes

- Check that all moving components are functioning properly once a year.
- Please get in touch with your contractual partner if you notice malfunction or damage.

1.7 Dimensions

All measurements are given in mm.

1.8 Symbols used

The following icons are used in this document:

	Information
	Do not use mechanical force
	Continue reading the instructions at the corresponding point

Other types of indicators

Below is a list of symbols used in these instructions and their meanings:

- Items of text following this marker are found in lists.
  - Items of text following this marker are found in subordinate lists.

▶ Items of text with this marking in front of them are instructions that must be followed in the specified order.

Cross reference

„“ A separate cross reference is enclosed by quotation marks.

() A cross reference in the flow text is enclosed by brackets.

1.9 Appropriate disposal

- The multi-point lock and the optional accessories should not be disposed of with household waste. Comply with the current local and national regulations.
- The packaging consists of raw materials that can be recycled and can be taken to the local waste paper disposal site.

2 Safety

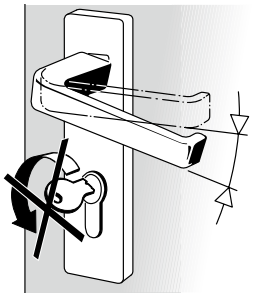
Before using the multi-point lock, read the following warning notes carefully. They are designed to keep you safe and prevent hazards, injuries and material damage. Observe all warning notes.

Information

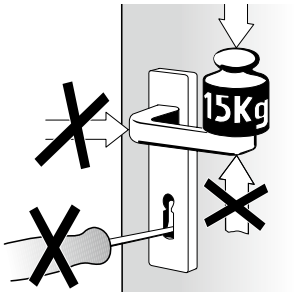
This symbol indicates special features and designates facts that require increased attention.

2.1 Causes of damage

The lever handle and key must not be operated at the same time.



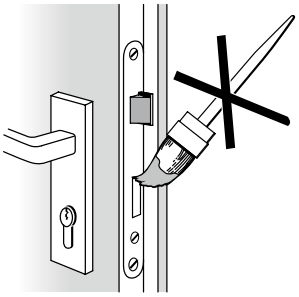
Only apply pressure to the lever handle in the direction of activation. Max. 150 N may be applied to the lever handle. The multi-point lock must be locked only with the associated key.



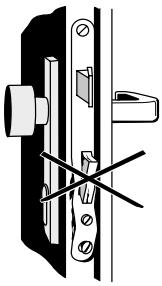
Locking elements must not be misused to hold the door open



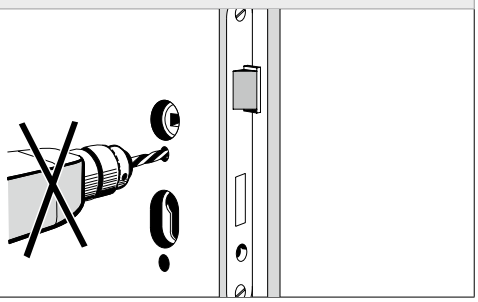
Do not paint



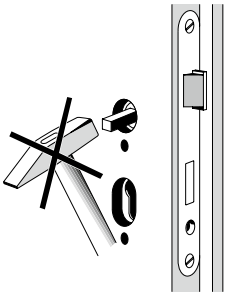
The multi-point lock must be replaced if indications of the use of force are detected.



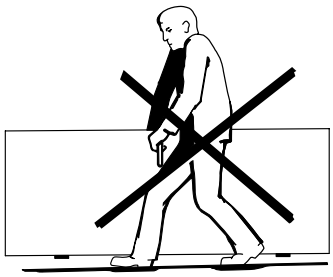
Do not drill through the door leaf when the multi-point lock is installed.



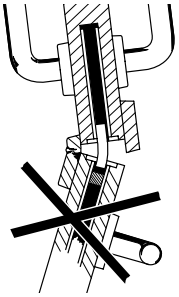
The spindle must not be hit through the lock nut with force.



The door leaf must not be carried using the lever handle as a grip.



Double-leaf doors must not be forced open using the inactive sash.

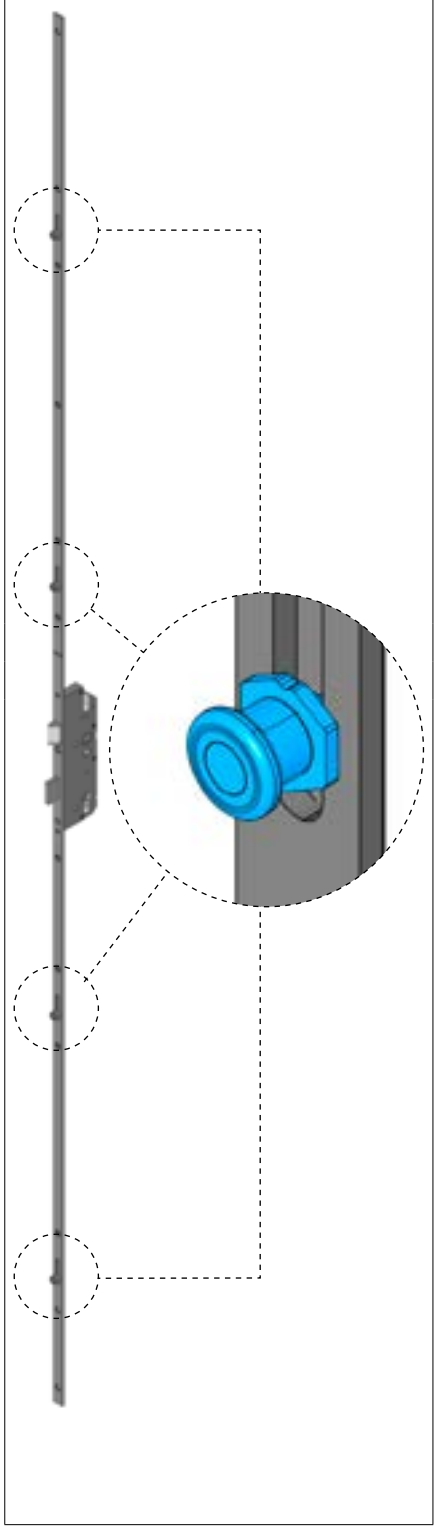


3 Variants and components

Two variants of the multi-point lock are available, with comfort mushroom cam [1] or with roller bolt [2].
An extension piece [3] or [4] with an additional locking element can be mounted to extend the multi-point locks.

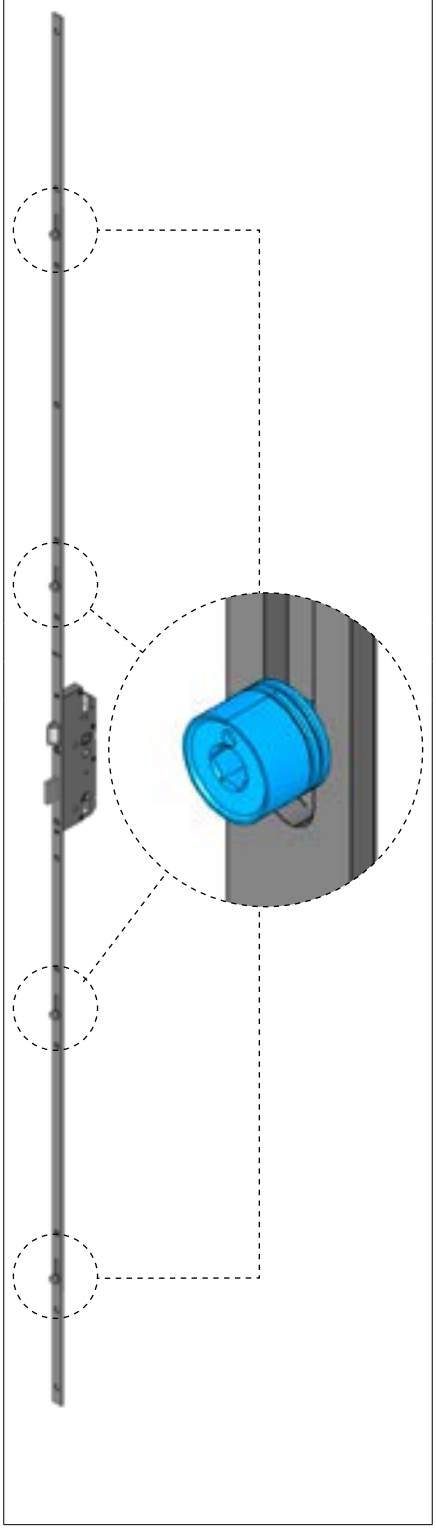
BS 2100

1



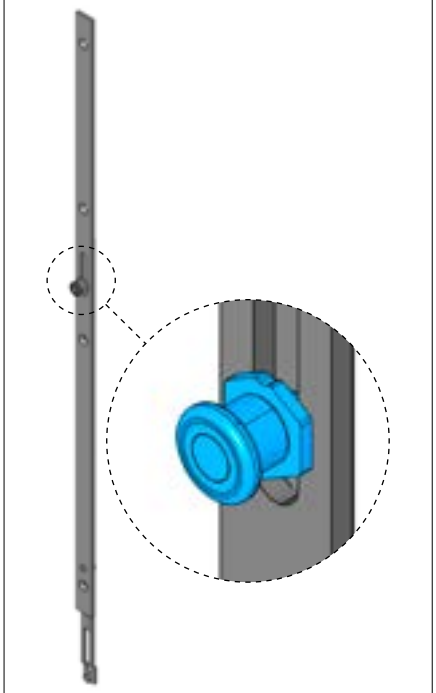
BS 2800

2



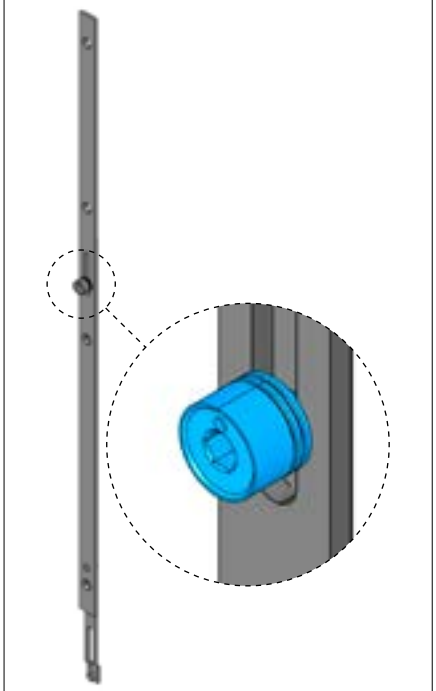
A 1100

3



A 1800

4



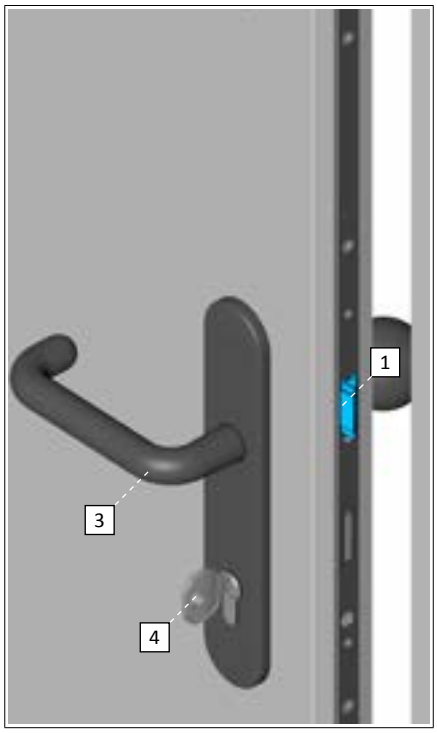
4 Operation

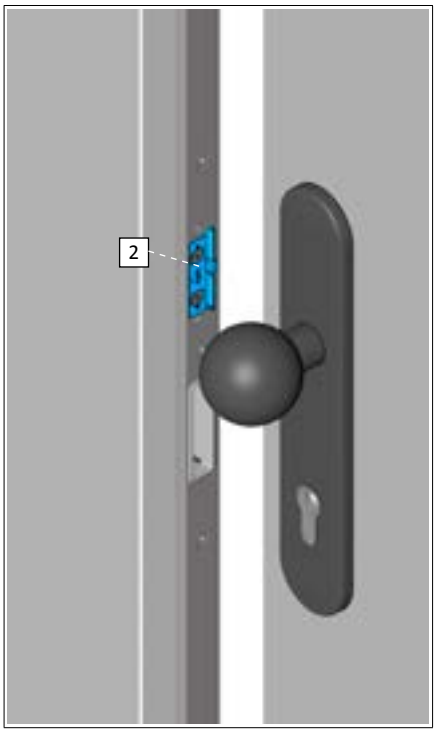
The operating steps described below are illustrated by schematic diagrams. The so-called rebate (the stepped projection) on the frame side is omitted for better understanding of the functions. Hence an insight into the locking procedures with the door closed is ensured.

Never activate the key and the lever handle simultaneously.

4.1 Locking elements

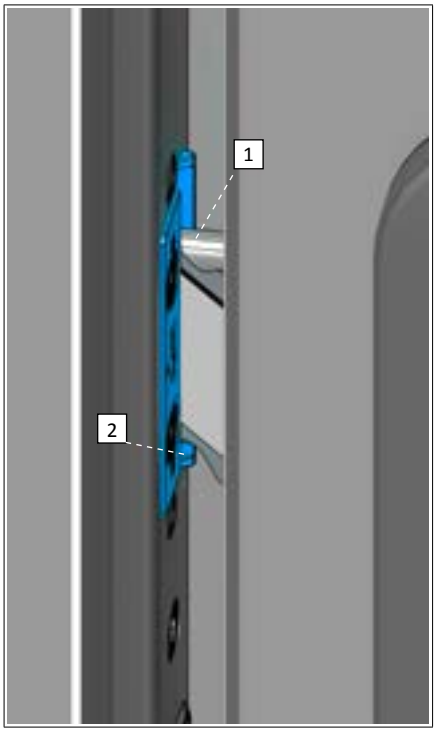
4.1.1 Function of the latch





The latch [1] keeps the door closed in the released condition. It engages in the AT-piece [2] when the door is closed. The lever handle [3] is activated or the key [4] turned in the release direction up to the stop to open the door.



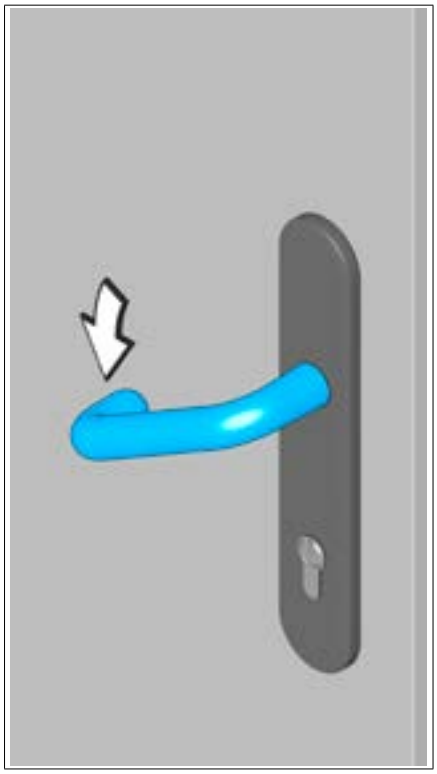


Shut the door

▶ Press or pull the door closed.

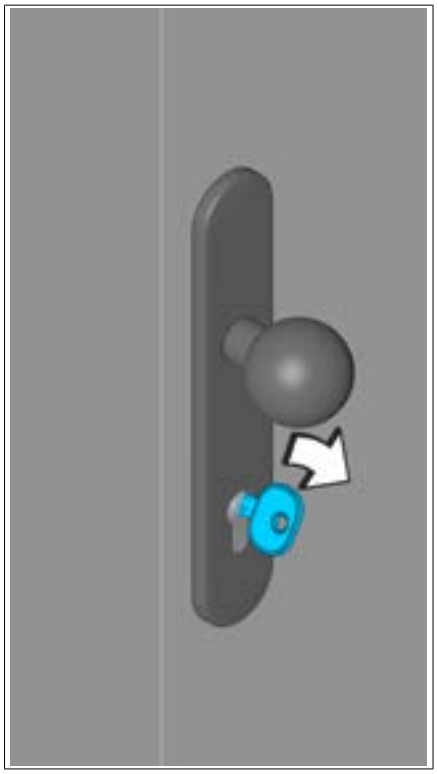
During the closing process, the latch [1] is pushed inwards via its inclined side on contact with the stop piece [2].

When the door is closed, the latch moves behind the stop piece in the door frame and holds the door securely closed.





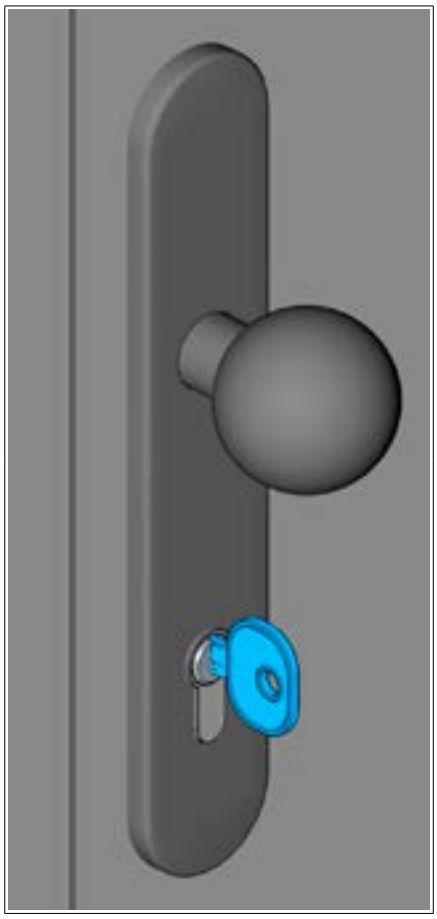
▶ Activate the lever handle or turn the key to the stop in the direction of release.

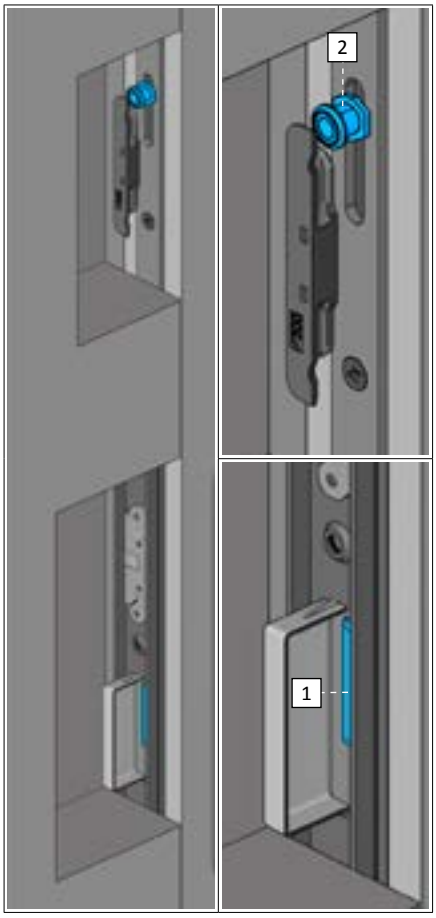




The latch will retract and release the door.

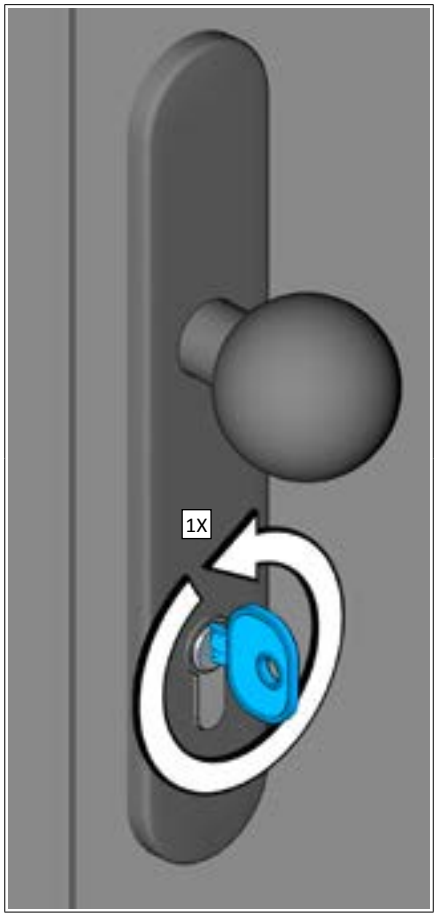
4.1.2 Function of main lock bolt and cams

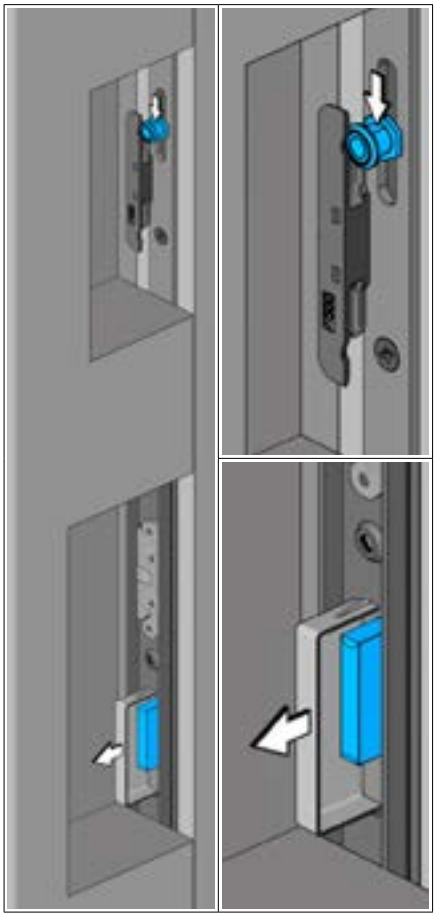




▶ Shut the door.

- The latch engages in the stop piece.
- The main lock bolt [1] and cams [2] are in the released position.



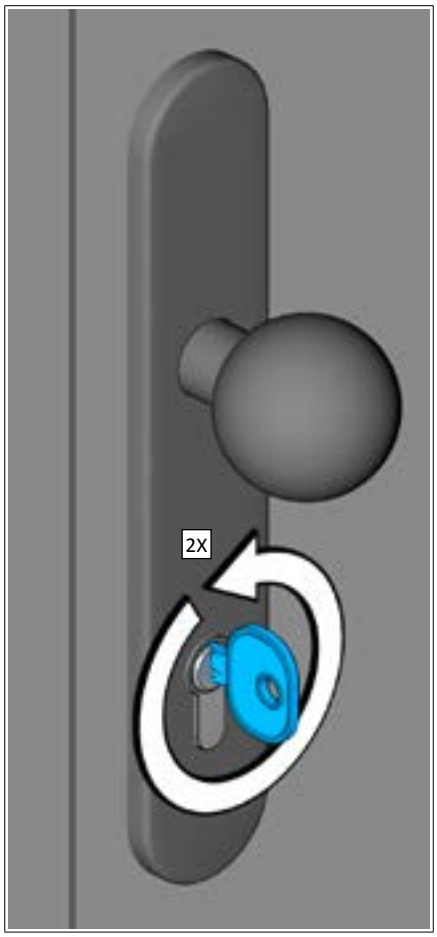


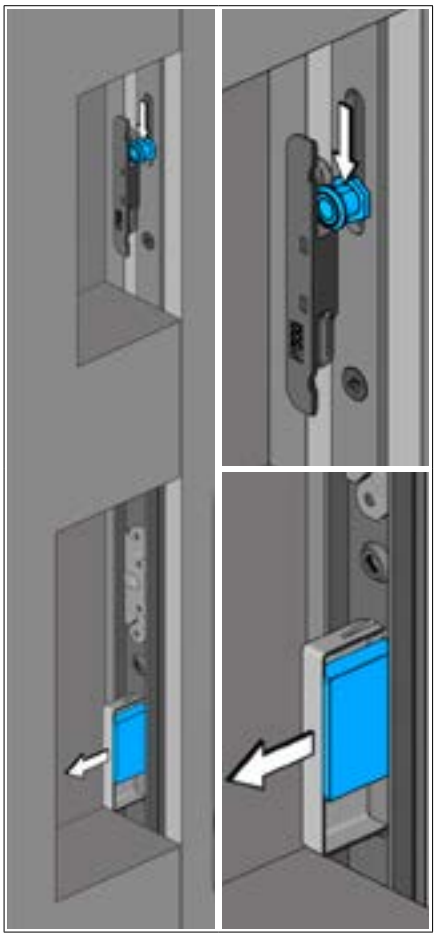
Single-turn locking

▶ Turn the key once in the release direction.

The main lock bolt and the cams move half the distance in the locking position.

The door is not completely locked in this position!



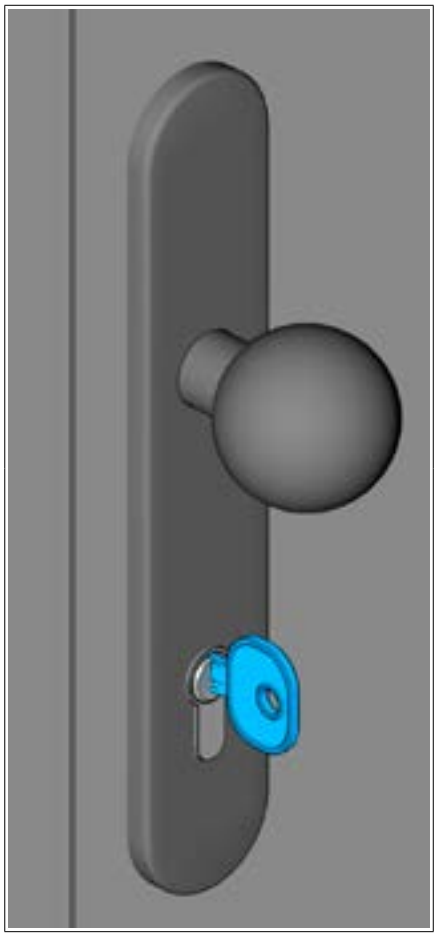


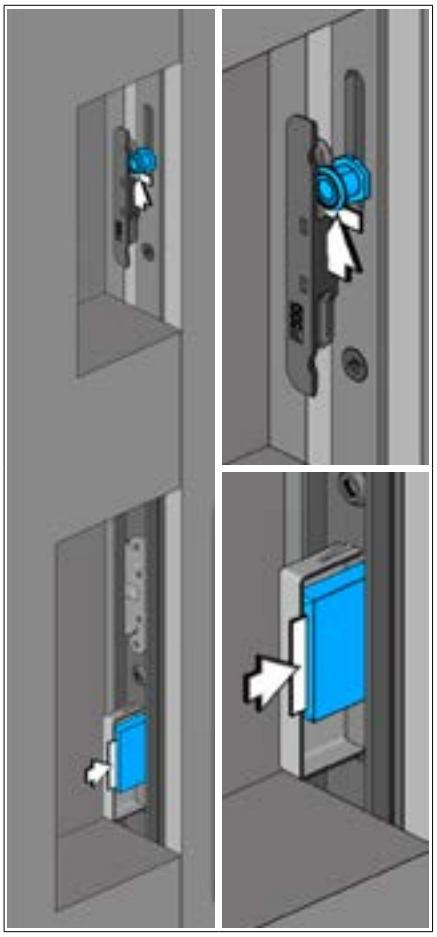
Double-turn locking

▶ Turn the key in the locking direction with a double turn.

- The main lock bolt extends completely.
- The cams retract completely into the frame parts and the door leaf moves laterally to the seal.

Always turn the key twice to lock the door. Only then do the main lock bolt and cams move directly into the locking position.



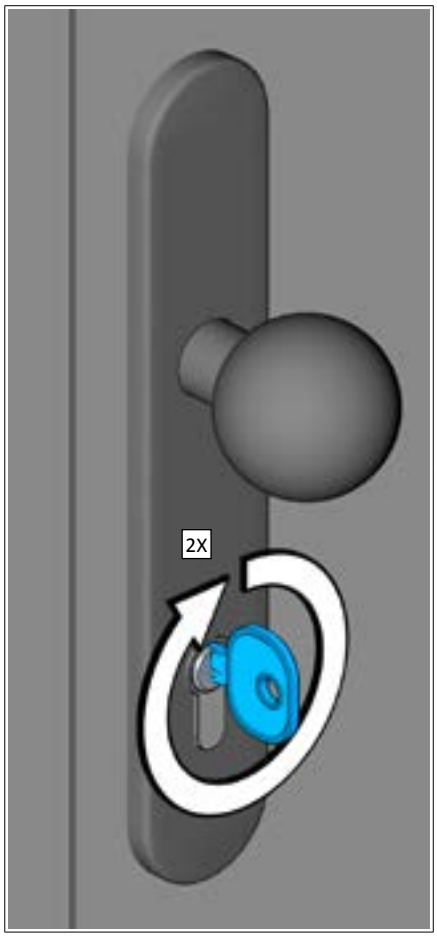


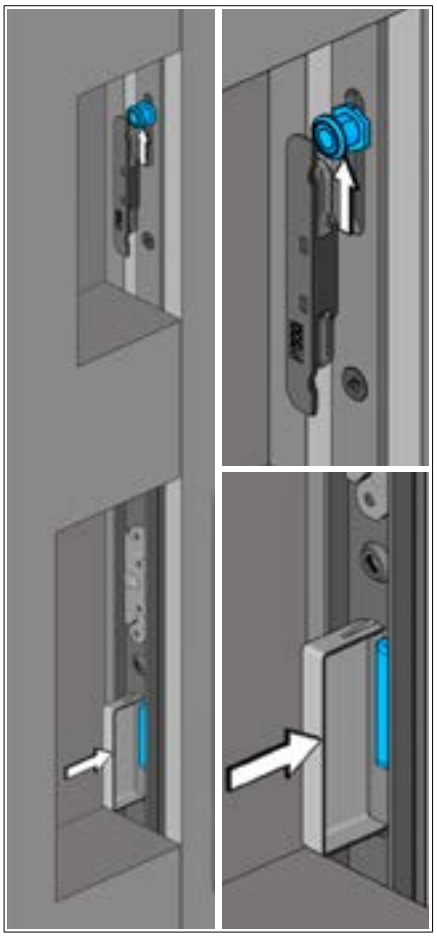
Counter-pressure retention

The counter-pressure retention is a burglar resistance. It prevents the locking elements from being pushed back.

The counter-pressure retention is first activated in this position after double-turn locking.

Multi-point locks, key operated, key operated, BS 2100, BS 2800, A 1100, A 1800





Release

- ▶ Turn the key in the unlocking direction with a double turn.
- The main lock bolt extends completely into the lock case.
- The cams extend completely out of the frame parts.
- ▶ Activate the lever handle or turn the key to the stop in the locking direction and open the door.

5 Functional disorders

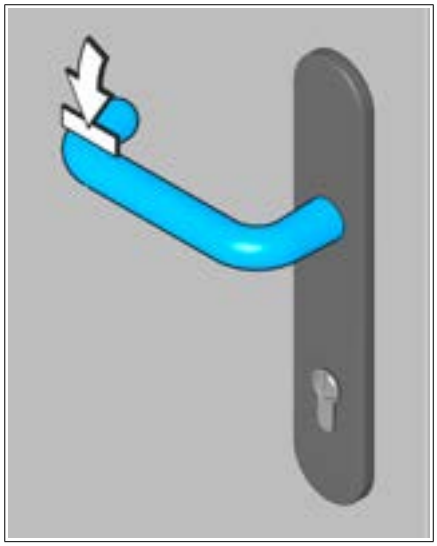
Repair of the multi-point lock is not permissible. In case of damage or functional disorder, the multi-point lock must be repaired or replaced by KFV or by a specialist company.
Get in touch with your contractual partner for this.

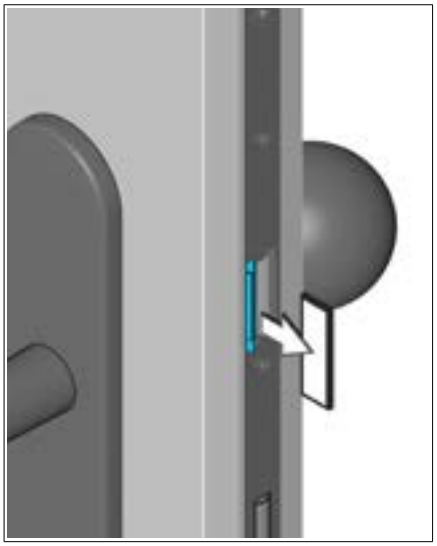




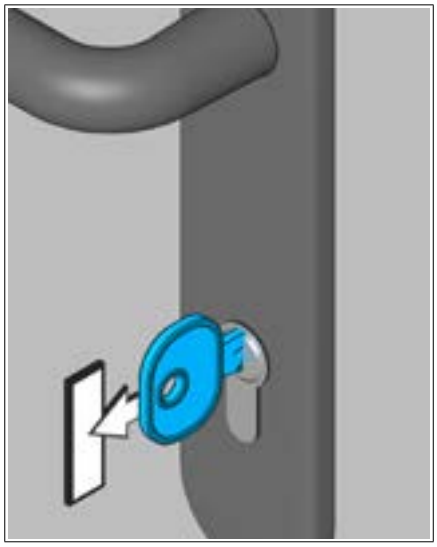
Lever handle

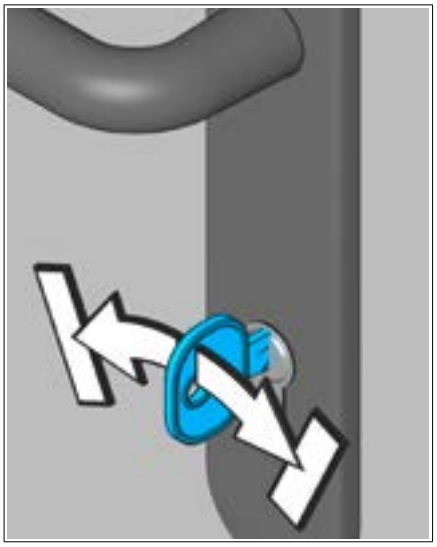
- The lever handle does not return to its original position by itself.





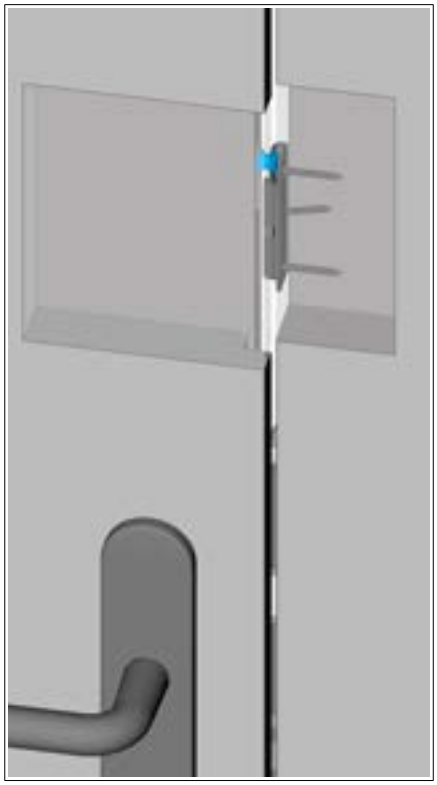
- The lever handle and/or the latch do not move with ease.

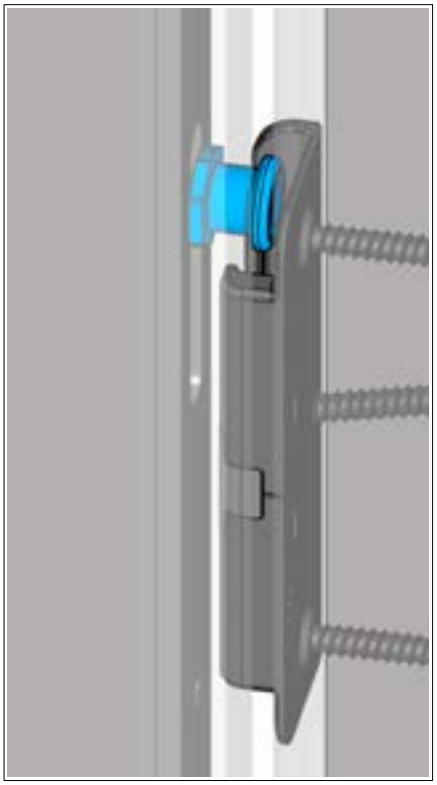




Withdrawing the key

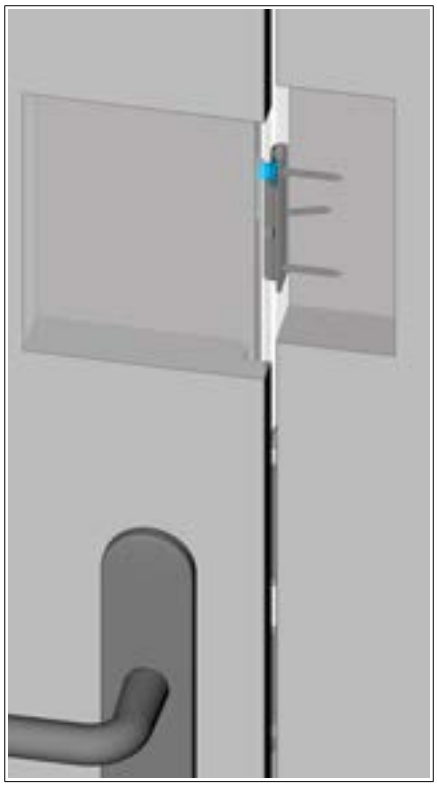
- The key cannot be pulled out.

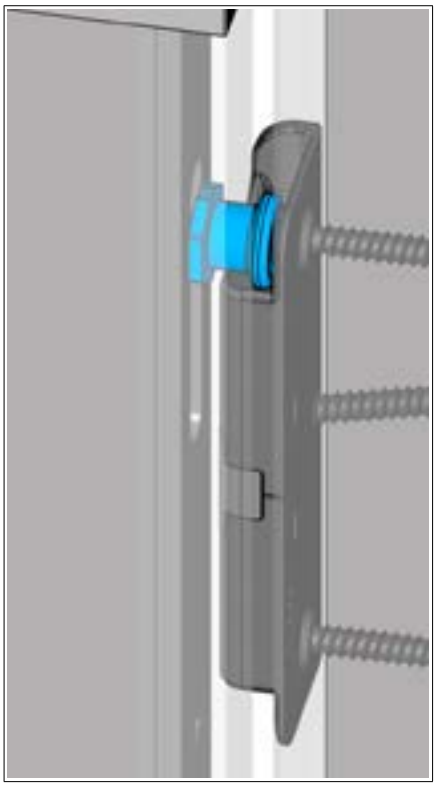




Cams

In the release position, the distance between the cams and the distance to the inlet edge of the frame part must be enough to ensure that the cams do not touch the inlet edge of the frame part while opening or closing the door.





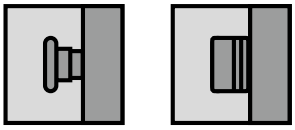
In the course of time, the door leaf could jam or the travel range of the cams could be reduced due to play in the mechanism.

Contact your contractual partner immediately if you notice that the cams touch the inlet edge of the frame part while opening or closing.

If the cams do not completely extend during release, there is a danger that the door cannot be opened any more.

6 Cleaning and maintenance

For KFV multi-point locks, series BS 2100, BS 2800



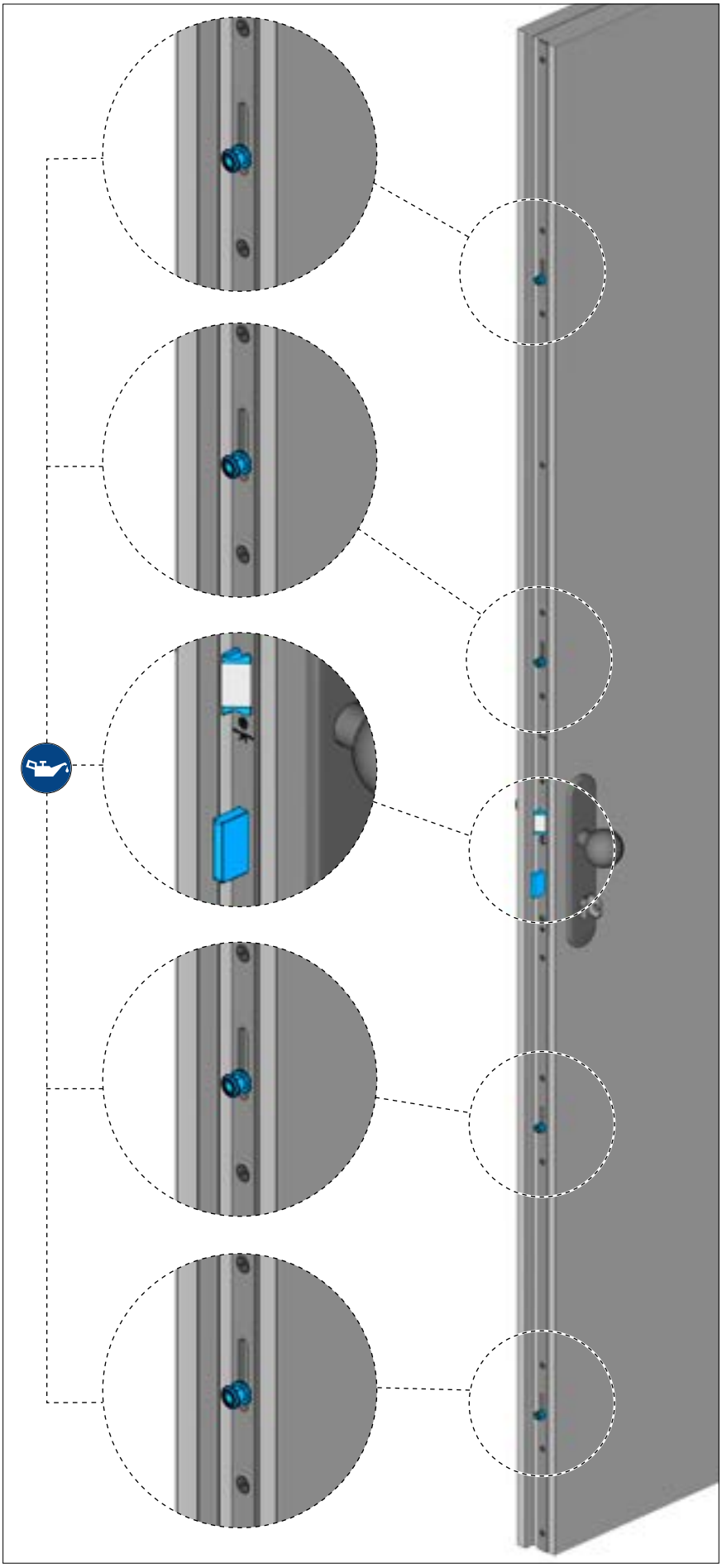
All components of the multi-point lock have already been treated with long-term lubrication and are consequently maintenance-free.

However, if a subsequent lubrication of the locking elements should be necessary, use only spray-on grease.

Do not use lubricants containing solvents or resins.

Cleaning

- Use a soft cloth for the cleaning.
- Never use cleaning agents that are aggressive or contain solvents.



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