

1 **Important Instructions**



- The locking mechanism works smoothly. No force should be applied. This should be particularly avoided when inserting the key in the lock.
- Opening the lock with a damaged key can result in damage to the lock.
- If damaged or heavily worn out keys are used, the function of the lock cannot be secured. We recommend checking the condition of the keys before using them. Do not use damaged or heavily worn out keys but change them.
- The lock must not be lubricated.
- The lock is designed for use in non condensing humidity.
- The lock may only be installed by specialist personnel and only opened by the manufacturers. Unauthorised opening will lead to invalidation of any warranty claims.
- Only original Kaba Mauer keys are to be used should additional keys be required, as otherwise no warranty claims may be raised.
- The key has to be removed after closing the lock and to be stored in a safe place where unauthorised persons have no access.
- After key loss you have to change the coding of the lock or the lock itself immediately.

2 **Opening**

- Insert the key in the keyhole as specified in the table below. Turn the key in the appropriate direction until the stop position is reached (approx. 150°).

Lock Installation Position	Key Insertion Position	Direction of Turn
Bolt left, keyhole horizontal	Long bit left	Clockwise
Bolt right, keyhole horizontal*	Long bit right	Anti-clockwise

* NB: Lock installation position "bolt right, keyhole horizontal" is only possible in connection with option "left hand lock, opening anti-clockwise" (SLG)!

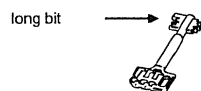


Fig. 1: Key

- The key cannot be removed when the lock is open.

3 **Locking**

- Turn back the key to its original position.
- Remove the key and keep it in a safe place where it is not accessible to unauthorised persons.

Should you have any questions regarding our products, please contact your safe manufacturer/specialist dealer.

Safe Manufacturer/Specialist Dealer:

1. **General Information**

These mounting instructions are the basis for the approval by ECBS, VdS, A2P (CNPP)- DNV, UL. Installation of the lock to be performed exclusively in accordance with these instructions.

Guidelines of the national certification bodies are to be considered and complied with in addition.

- Any variation of the lock or key may result in functional trouble and must better not be done. All claims under guarantee and warranty will expire in this case.
- The lock is only VdS approved if the original Kaba Mauer lock cover or alternatively the original Kaba Mauer lock cover reinforced by manganese steel (option code BPL) is used.
- The lock cover corresponds to the mounting plate.
- Prevent the ingress of dirt into the lock.
- Lock fastening: Use of M5 steel socket head cap screws. The length of engagement must correspond to the applicable standards considering the thickness of the lock cover of 2 mm or optional the lock cover reinforced by manganese steel (option code BPL) with a thickness of 3,5 mm. Alternatively it is possible to weld the lock cover to the inside of the door. In this case the lock cover has to be removed from the lock before welding.
- Fastening screws: minimum property class 4.8 and maximum property class 8.8.
- Screws to be secured either by lock washer, flat spring, tooth lock washer, fan type lock washer considering the diameter (d1) or to be cemented.
- Screw tightening moment: minimum 5 Nm and maximum 6 Nm.
- It is recommended, that unauthorised persons have no access to security sensitive parts of the lock, also the door of the safe, where the lock is installed, is open.
- The lock is designed for installation in secure storage units made of steel. Installation in storage units consisting of other material e.g. plastic is not allowed.
- Lock to be installed covered and so as to prevent opening by boring.
- The bolt must be floating in installed condition.
- Perfect function of the lock and of any additional connected or triggered systems (e.g. boltworks) must be warranted and checked by specialists during installation of the lock.

2. **Mounting Position**

Lock mounting position			
RH version (standard version):		LH version (special version for LH applications):	
Bolt left, keyhole horizontal		Bolt right, keyhole horizontal	
Bolt downwards, keyhole vertical		Bolt downwards, keyhole vertical	
Bolt upwards, keyhole vertical		Bolt upwards, keyhole vertical	

3. Specification Key Guide and Key Hole

- Use of the Kaba Mauer key guide (see Fig. 1) or of the Kaba Mauer key carrier guide (see Fig. 2) is recommended. Considering DIN 2768-mH, the keyhole in the door of the secure storage unit should be dimensioned accordingly (see Fig. 1 or 2).

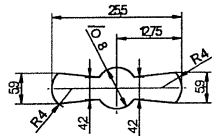


Fig. 1: Key guide 86101

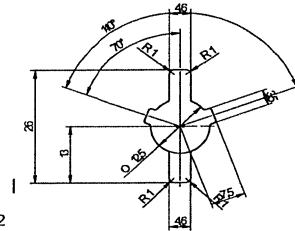


Fig. 2: Key carrier guide 86102

- In cases where the Kaba Mauer key guide or key carrier guide are not used, the maximum cross sectional area of the keyhole in the door of the secure storage unit and/or the lock armour plating may not exceed the dimensions given in Fig. 3 considering DIN 2768-mH. All dimensions deviating from these specifications are to be coordinated separately with the certification bodies (test houses).

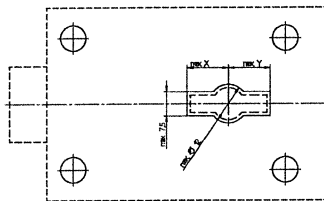


Fig. 3: Max. cross sectional area of keyhole

Centurio A Centurio A Plus	X (mm)	Y (mm)
74041	13.5	13.5
74046	13.5	13.5

4. Lock Mounting

- For installation and adjustment of the lock on the door, make sure that the key can be inserted into the lock without having to apply force and without jamming. This can be achieved by mounting the lock according to the following pattern of mounting holes (Fig. 4). For further lock dimensions please refer to the Kaba Mauer Catalogue Sheet. Mounting plate (Option Code MPL) may be used as an alternative.

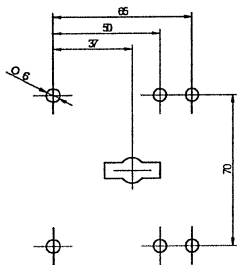


Fig. 4: Fastening hole pattern

5. Technical Data

- Lift height of bolt 12 mm
- Bolt in fully extended position: approx. 28 mm
- Bolt width: 35 mm; Bolt height: 2,5 mm
- The maximum allowable force acting on the key bolt against the blocking direction, the maximum locking force and the lateral load acting on the bolt, correspond to 1 kN and should not exceed this value. Provision should be made design wise for bolt stoppers on both ends or for a bolt support.
- The actuating turning moment on the key may not exceed 2.5 Nm
- The bolt was according to EN1300 with a permanent load of 2,5 N over 10.000 cycles tested. These load should not be exceeded permanently.
- Mounting plate (Option Code BPL) – reinforced by manganese steel – is available at option as a protection against opening by boring.
- Optional fixing angles screwed or riveted via the holes in the bolt (Option Code WXX XXX)