These mounting instructions are the basis for the approval by ECBS, VdS, A2P (CNPP), 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.

- The lock can be mounted in the following positions:
  - **RH version (standard version):**

Lock mounting position	
Bolt left, keyhole horizontal	

- 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.
- Prevent the ingress of dirt into the lock.
- Lock fastening: Use of M4 steel socket head cap screws. The length of engagement must correspond to the applicable standards considering the thickness of the lock of 17,2 mm.
- Fastening screws: minimum property class 4.8 and maximum property class 8.8.
- Screws to be secured either by lock washer DIN 128, flat spring DIN 137, tooth lock washer DIN 6797, fan type lock washer DIN 6798 considering the diameter (d1) or to be cemented.
- Screw tightening moment: minimum 5 Nm and maximum 6 Nm.
- 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.
- It is recommended, that unauthorized 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.
- 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).

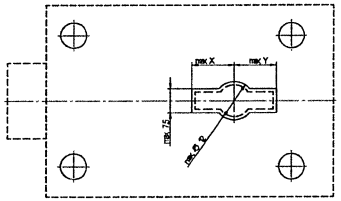

Fig. 1: Max. cross sectional area of keyhole

Arator	X (mm)	Y (mm)
78091	11.5	11.5

- 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.

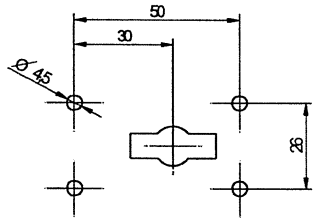

Fig. 4: Fastening hole pattern

Technical data:

- Lift height of bolt 10 mm
- Bolt in fully extended position: approx. 15 mm
- Bolt width: 15 mm; Bolt height: 5,2 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 – reinforced by manganese steel – is available at option as a protection against opening by boring.

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 unauthorized 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. The long bit has to be on the left hand side.

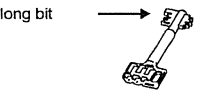

Fig. 1: Key

- Turn the key clockwise until the stop position is reached (approx. 150°).
- The key cannot be removed when the lock is open.

3 Locking

- Turn back the key anti-clockwise until the stop position is reached.
- Remove the key after locking. 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: