

## Mounting and user Instructions

# Mechanical Lock

## ML6785



### CHARACTERISTICS

The ML6785 is a manipulation resistant 3-wheel combination lock.

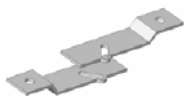
The lock has the standard foot prints (66,7x41mm) and can be mounted in all four directions: (RH, LH, VU, VD).

Measurements: 85 mm x 61 mm, x 29 mm.

Lock bolt: 25 mm x 8mm with two M4 holes. Bolt Travel 8 mm.

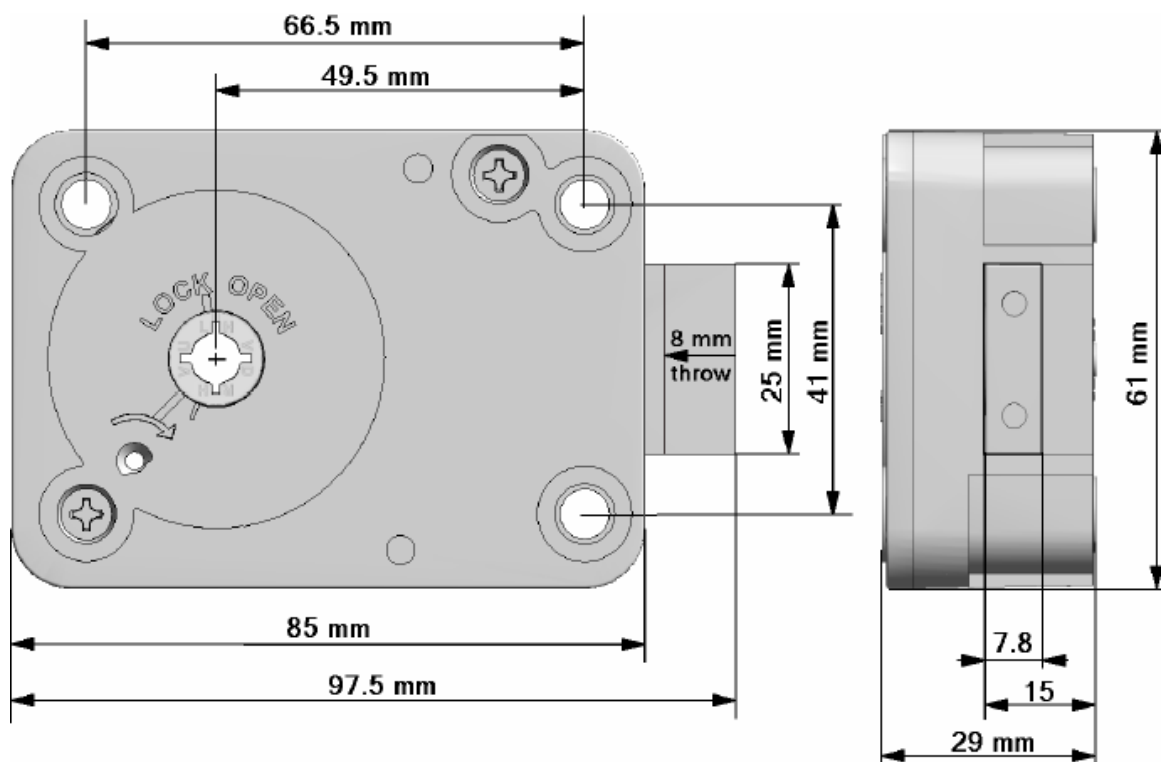
**ML6785 lock is certified: VdS class 2 and EN1300 class B – UL Group 2M**

### ML6790



Two optional sliders can be inserted to make a 3-way locking system.

### DIMENSIONS AND MOUNTING INSTRUCTION



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The mounting dimensions of the lock are standard (magic module).

The lock is delivered with the bolt retracted and ready for mounting.

Do not move the cam or the bolt until the dial is installed.  
During installation the bolt must stay in retracted position.

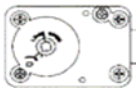


Only use the delivered 3 (three) M6 mounting screws and fix the lock on the safe door. (Torque approximately 3,5 Nm).

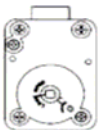
Cut the spindle: deburr the spindle end.

Insert the spindle through the spindle hole of the door. Gently thread clockwise the spindle through the drive cam until tight. Then rotate counter clockwise to the desired spline position on the cam.

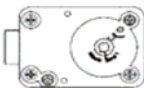
There are four positions in the cam for the spline key.



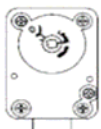
RH (right hand): Lock bolt points right.



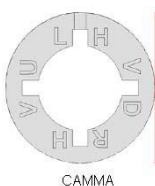
VU (vertical up): Lock bolt points upward.



LH (left hand): Lock bolt points left.



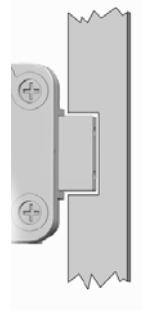
VD (vertical down): Lock bolt points downward.




Insert the spline key fully into the spline key slot with the hook point toward the centre of the cam. Use a light hammer to push in the spline key.

## Mounting and user Instructions

Turn dial LEFT to extend the bolt. The bolt must slide easily to the end position and should not be restricted by the bolt work.



Delivered factory code is "50".

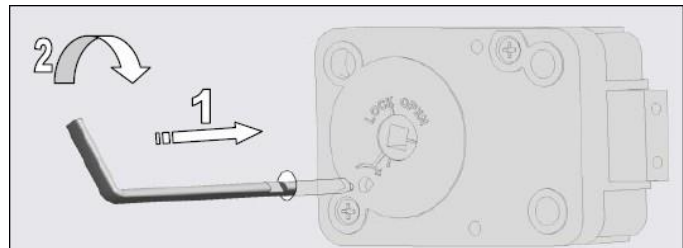
- 4 x**  Turn LEFT and pass "50" three times and stop exactly on "50" on the opening index the fourth time.

Due to installation tolerances, it is possible that the code may have shifted up to two numbers up or down. This shifting is normal and will be eliminated once the code is re-set. If the lock does not open on "50", try to open at "48" then "49", "51" or "52".

Also due to these tolerances it is important to re-set the code after installation.

Example: If the lock opens at "49" turn LEFT four times and stop exactly on "49" on the changing index.

1. Insert change key on the inside of the safe door.
2. Turn change key as shown on the right clockwise to the stop. (approx. 90 deg.)



**Never apply excessive force**

If change key cannot be inserted or turned, the correct code has not been dialled to the Changing Index on the dial. Take out the key and dial the valid code again.




Now dial your factory code using the **Changing Index**.

We suggest to set the code 10-20-30 that matches the code used in the lock-use-instructions.

**The last number must be higher than 10. For security reasons, each number should be at least 4 increments apart from the others.**

*For example: 49-45-41 and not 51-52-53.*

## Mounting and user Instructions

- |     |   |  |
|-----|---|--|
| 4 x |  | Turn LEFT, pass first code number three times and stop exactly on the number on the <b>Changing Index</b> the fourth time. |
| 3 x |  | Turn RIGHT, pass second code number twice and stop exactly on the number on the <b>Changing Index</b> the third time.      |
| 2 x |  | Turn LEFT, pass third code number once and stop exactly on the number on the <b>Changing Index</b> the second time.        |

When turning the dial, if a number is passed, start over at the beginning.

After the new code is completely entered, turn change key LEFT and remove it.  
The new code is installed.

**Try the opening several times (using Opening Index) before closing the door!**