

Mounting and User Instruction

Mechanical Lock

ML6740



CHARACTERISTICS

The ML6740 is a manipulation resistant 3-wheel combination lock.

The lock allows an easy installation thanks to the adoption of a square section not threaded spindle, that allows to avoid all the problems deriving from an incorrect spinet positioning.

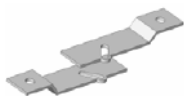
This also ensures swiftness and assembly safety, since the lid must not be removed during the assembly. The spindle has finally some cut points which make the cut operation easier and make superfluous the following dribbling in most cases; furthermore the length of the spindle does not represent more a critical point of the assembly phase.

The bolt is equipped with two holes (not threaded) for M4 screws. Bolt travel is 8 mm.

The lock can be mounted in all four directions: RH, LH, VU, VD.

ML6740 lock is certified: VdS class 2 and EN1300 class B – UL Group 2M

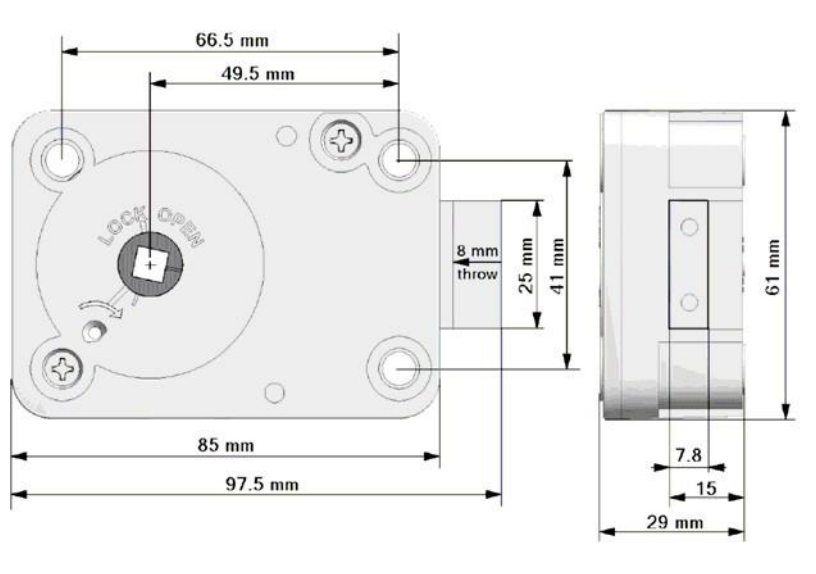
ML6790



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

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DIMENSIONS AND MOUNTING INSTRUCTION

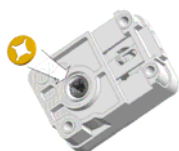


The mounting dimensions of the lock are standard (magic module).

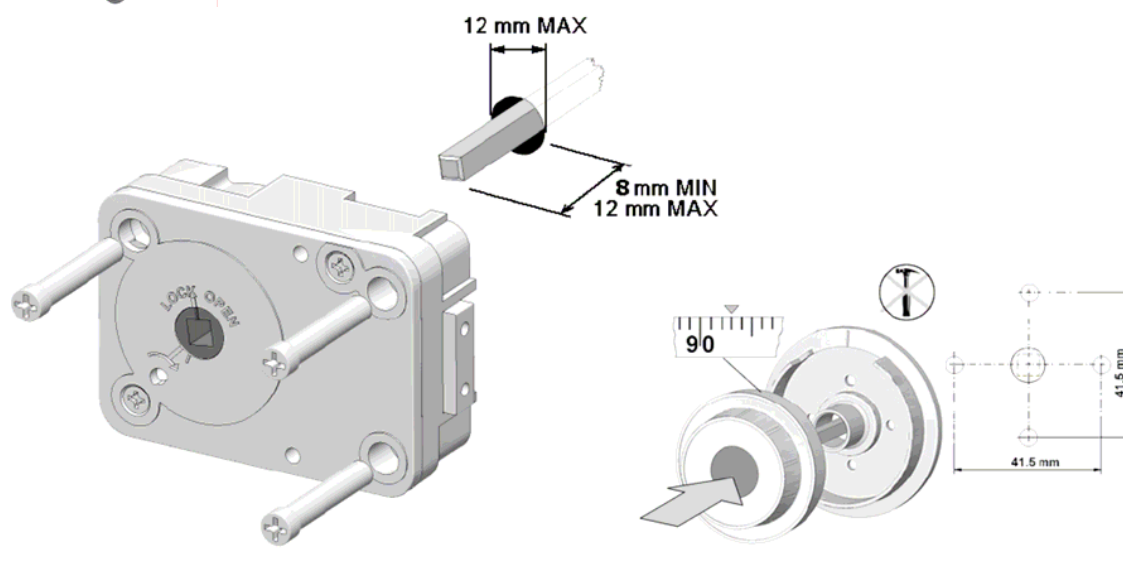
The lock is delivered with the bolt retracted and ready for mounting.

Do not move the cam or the bolt.

During installation the bolt must stay in retracted position and the cam lined up as shown in the picture on the right.



Put the star-washer on the four posts on the cam, located beneath the lock.

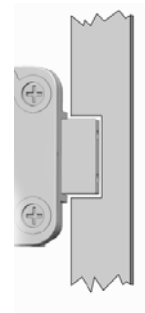


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Only use the delivered 3 (three) M6 mounting screws and fix the lock on the safe door. (Torque approximately 3,5 Nm).

With the lock in open-position (bolt retracted), hold the dial in a way that approximately "93" is lined up with the dial's opening index and push it with some pressure into the lock. Now the shaft cannot be pulled out.

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".

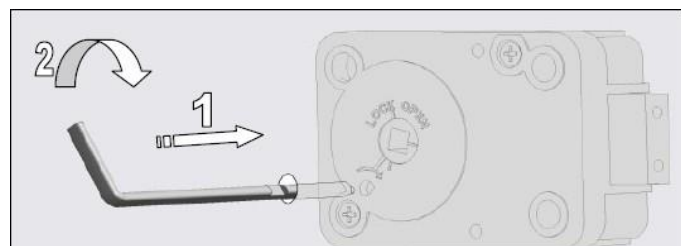
4 x  Turn LEFT and pass "50" three times and stop exactly on "50" on the opening index the fourth time.

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.

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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.

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

What if ...

...accidentally the cam got moved before installation?

As long as the code has not been changed with the change key, the lock can be prepared for mounting following the steps below:

- Hold the lock so that you look at the cover and the bolt is to the right.
- Turn the cam clockwise minimum 4 complete turns and stop when the cam is lined up as shown in figure 1.
- Turn cam counter clockwise until lock opens.

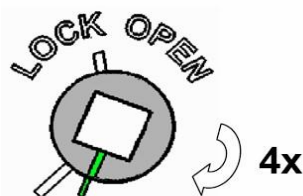


Figure 1



Figure 2

...the dial is hard to turn or it is rubbing on the dial plate?

Loosen the screw that holds the shaft in the dial and pull out the dial slightly. Tighten the screw without applying excessive force. Use liquid thread locker like Loctite™ if required.