



M-Locks EM2020 / EM2050

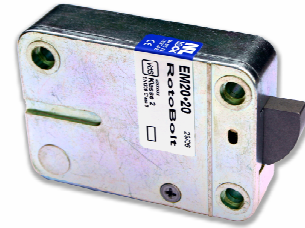
Technical Manual Mounting Instructions

EM2050

CHARACTERISTICS

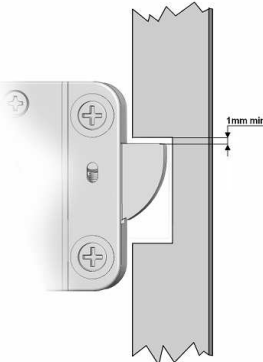
The RotoBolt lock can be mounted in all four mounting directions. Also, by flipping the lock, all blocking directions can be achieved. The mounting dimensions are standard. The lock is delivered with metric (M6) mounting screws.

The electronics feature a 6-digit main code that can be changed by the user. With the main code a secondary code can be activated and deleted. If a valid code has been entered, the lock electronics removes the blocking for 3 seconds and the boltwork can be moved into OPEN position by pushing the bolt inside the lock case. When moving the boltwork into LOCKED position the RotoBolt automatically secures.



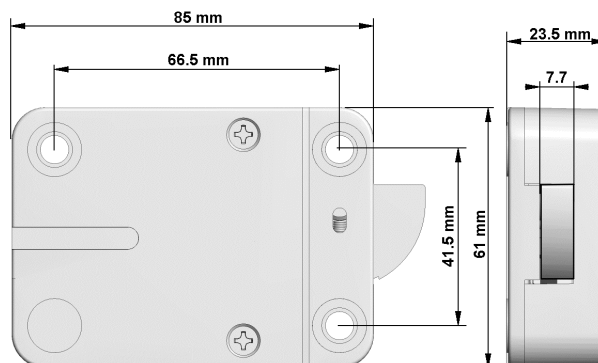
BOLTWORK REQUIREMENTS and MOUNTING INSTRUCTION

The maximum allowed cable/spindle-hole diameter is 11 mm (if located under the lock body). If the RotoBolt lock is used in conjunction with another lock, the boltwork must be constructed in a way that the RotoBolt secures first.



In the LOCKED position the distance between the RotoBolt bolt and the boltwork part that is moving the lock bolt should be approximately 1 mm.

Only use NL LOCK supplied screws to mount the lock. Tighten the screws securely so the lock body is attached firmly to the mounting surface.
(Maximum Torx 5, 5 Nm)



Mount the entry unit following the manufacturer's instruction.

Insert the connector of the entry unit in the outer (ENT) position. Connect battery/alarm box connector (if used) in the inner (BAT) position. Check that the connector(s) is completely seated. To remove the connector(s), carefully lift and pull it out.

In the entry unit or battery/alarm-box, connect a 9V Duracell Procell Alkaline or Energizer battery.

Tie cables away from moving parts.



FUNCTIONAL TEST (with door open) Lock in factory mode

- Enter code (5,5,5,5,5,5). The lock emits a double signal for the correct code.
- Turn boltwork handle towards OPEN position.
The bolt rotates into the housing. Bolt must move freely.
- Turn handle towards Locked position.
The lock bolt must fully extend and secure.
- Make sure there is an air space on all sides of the lock bolt when the safe's boltwork is fully thrown into locked position.

Repeat functional test several times before locking the safe door.

DATA SHEET

Mechanics	
Opening	Half automatic
Locking	Automatic
Blocking element	Motor cam
Mounting dimensions	standard
Electronics	
Power supply	9V Duracell Procell ALKALINE or Energizer battery
Software	
Codes	Up to 10
Primary code	1
Secondary code	Up to 9
Time delay/open window	01-99/01-19 min
Battery low signal	yes
Manipulation protection	5 minute lockout after 4 consecutive wrong codes
Certifications	
VdS	M109328 Klasse 2
EN 1300	Class B
UL	Type 1
DNV	Class B
CNPP	Classe B/E
IMP	Klasa B