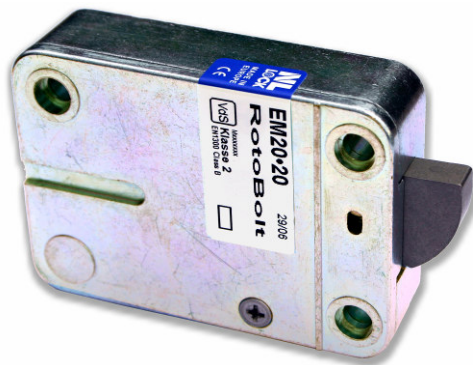


# OPUS line

## Technical manual



# OPUS 70 Rotobolt

## EM20-20/LT Technical Manual

### CHARACTERISTICS

The RotoBolt lock can be mounted in all four mounting directions. Further, by flipping the lock, both blocking directions are possible. The mounting dimensions are standard. The lock is delivered with metric (M6) mounting screws as well as US 1/4 – 20 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 remove 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.

### ENTRY UNITS

The RotoBolt is compatible with the following OPUS Entry units :

|  |  |            |
|--|--|------------|
|  |  | Opus A     |
|  |  | Opus A2    |
|  |  | Opus 1000  |
|  |  | Opus 2000  |
|  |  | Opus 22000 |
|  |  | Opus B     |
|  |  | Opus B2    |



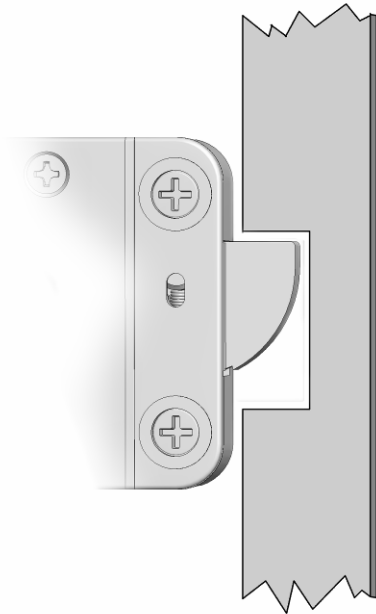
(Separate technical descriptions for Entry units available)



**BOLTWORK REQUIREMENTS and MOUNTING INSTRUCTION**

The maximum allowed cable/spindle hole diameter is 11 mm, if located under the lock body. (VdS requirement)

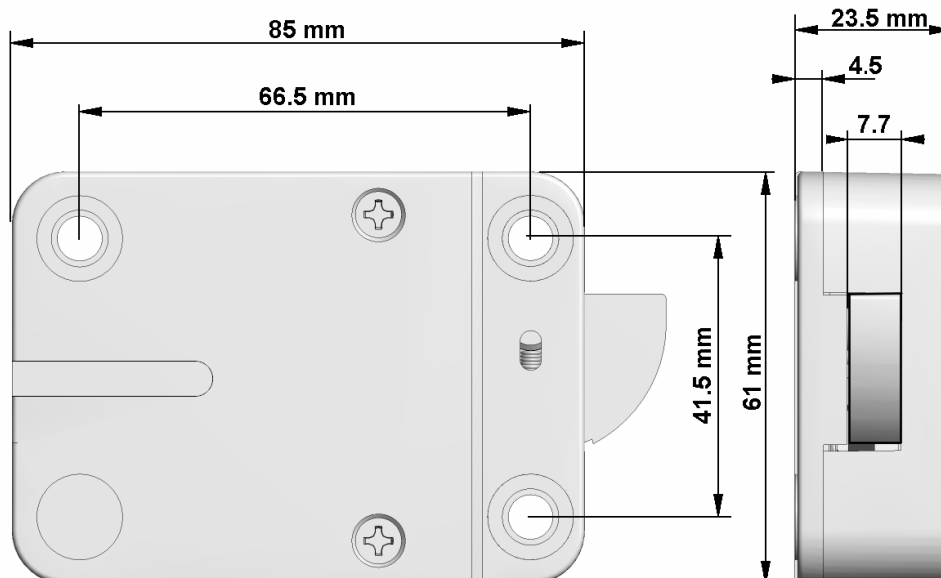
If the RotoBolt lock is used in conjunction with another lock, the boltwork must be constructed in a way that the RotoBolt secures first. (VdS requirement)



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

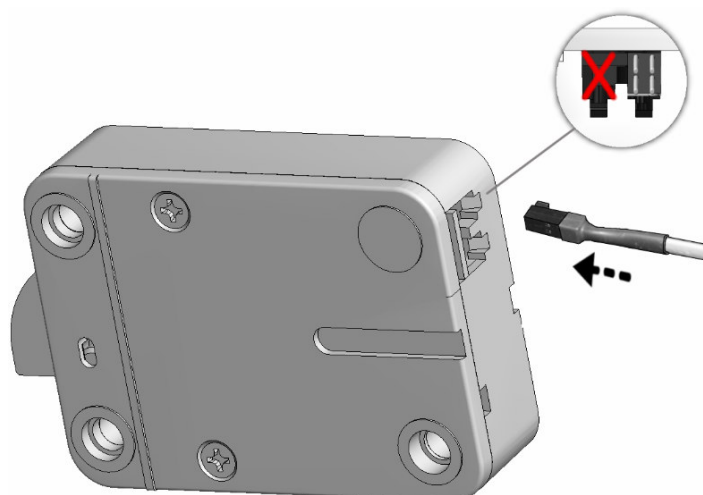
Only use OPUS supplied screws to mount the lock. Tighten the screws securely so the lock body is attached firmly to the mounting surface.

**DO NOT OVER TORQUE MOUNTING SCREWS.**



Mount the entry unit following the manufacturer's instruction.





Insert the connector of the entry unit in the outer position. Check that the connector is completely seated.

To remove the connector, lift it up and carefully pull it out.

In the entry unit or battery box, connect a 9V-ALKALINE-battery from a brand name manufacturer, e.g. DURACELL. **A series of signals during opening indicates that the battery is weak and must be replaced.**

Tie cables away from moving parts.

**IMPORTANT: Perform the functional test several times before locking the safe door.**

WITH THE DOOR OPEN:

- Enter code (1,2,3,4,5,6). The lock emits a double signal for the correct code.
- Turn boltwork handle towards OPEN position. Lock bolt must move freely.
- Turn handle towards Locked position. Lock bolt must fully extend and be locked.
- **Firmly turn the handle to see if the lock remains locked.**
- **Keeping the door OPEN, enter the correct code and make sure that the lock functions properly before locking the safe door.**

DATA SHEET

|                         |                                                  |
|-------------------------|--------------------------------------------------|
| <b>Mechanics</b>        |                                                  |
| Opening                 | semi automatic                                   |
| Locking                 | automatic                                        |
| Blocking element        | Motor                                            |
| Mounting dimensions     | standard                                         |
| <b>Electronics</b>      |                                                  |
| Power supply            | 9V ALKALINE battery                              |
| <b>Software</b>         |                                                  |
| Codes                   | 2 (6 digits)                                     |
| Primary code            | 1                                                |
| Secondary code          | 1                                                |
| Battery low signal      | yes                                              |
| Manipulation protection | 5 minute lockout after 4 consecutive wrong codes |
| <b>Certifications</b>   |                                                  |
| VdS                     | Class 2                                          |
| EN 1300                 | Class B                                          |
| UL                      | Type 1                                           |

(Compatibility for UL installations has only been verified for the following entry units:  
Model Opus A2.)

