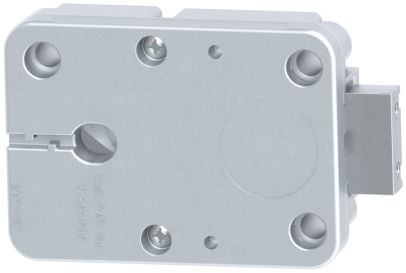
StraightBolt



EM35•20 Basic - Technical Manual

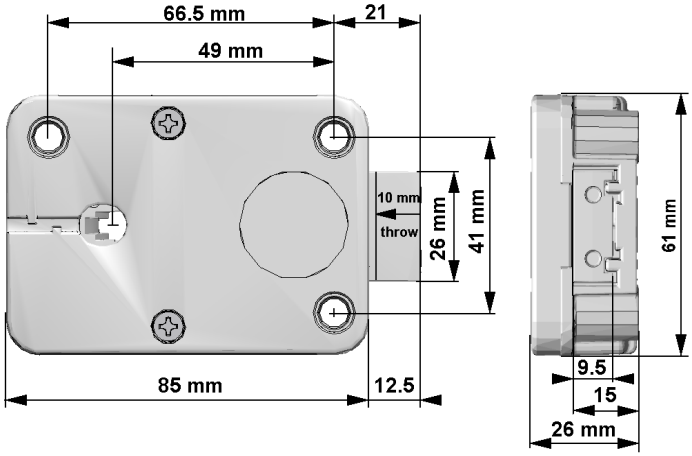
CHARACTERISTICS

The StraightBolt lock can be mounted in all four mounting directions. The Basic 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 electronic removes the blocking for 3 seconds and the bolt can be moved into the housing by turning an internal driving cam with a turnable entry unit or a knob. After moving the bolt to LOCKED position, the StraightBolt automatically secures.

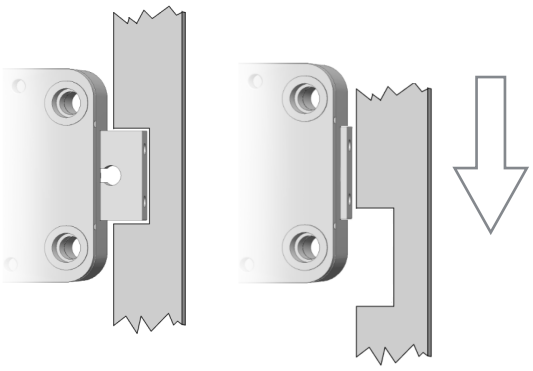
ENTRY UNITS

StraightBolt Basic is compatible with the following NL LOCK Entry units (separate technical descriptions for Entry units are available). Entry unit spindle/cable hole on the safe door does not have to exceed 12 mm diameter

Rotating Premier: PI20.x1



Bolt work requirements
Lock bolt operations only allowed as described into the drawing and max load should not exceed 1KN.



Important:

- Modifications to the lock (including lock bolt attachments) are not allowed, and will void the manufacturer's warranty and Standards approvals.
- No through holes on the safe door are allowed within the lock body area beside the spindle/cable hole.
- Lock body area should be protected against destructive attacks

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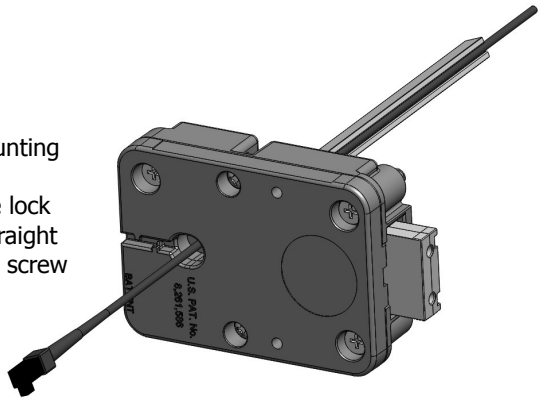
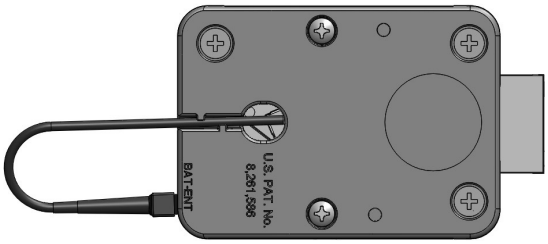
MOUNTING INSTRUCTION

The grooved shaft must extend between 10 and 15 mm off the mounting surface. Make sure the cable is in the groove.
Insert the cable connector into the square hole in the bottom of the lock and guide it through the hole in the lock cover. Holding the cable straight place the lock with the square cavity on the grooved shaft and then screw the lock to the mounting surface.





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.)

To tie the cable, push it into the square groove in the lock cover.

In the LOCKED position the distance between the StraightBolt lock bolt and the boltwork part that is moving the lock bolt should be approximately 1 mm.
Only use NL LOCK supplied screws (M6) to mount the lock. Lock has to be mounted on secure storage metal (preferred steel) units only. Tighten the screws securely so the lock body is attached firmly to the mounting surface. Use of screw locking glue (i.e. Loctite) is recommended.
Security relevant parts of a HSL should not be accessible to unauthorized persons when the door of the secure storage unit to which it is fitted is open

Test Electronics
Like all locks from NL LOCK this unit includes a unique feature to functionally test the electronics:
Function #5

STEP	TASK	REMARK
1	Press and hold [5] until a double signal sounds and the light stays ON.	
2	Enter the all keys in exactly this sequence: [1]-[2]-[3]-[4]-[5]-[6]-[7]-[8]-[9]-[0]	Push buttons slowly so you recognize the signaling of the lock. A double signal indicates that the keypad and the lock communicate and perform properly. A long signal indicates that the electronics may be damaged.

Functional Test

- Enter code (i.e. 1-2-3-4-5-6). The lock emits a double signal for the correct code.
- Turn Entry unit clockwise until stop. Lock bolt must move freely. Boltwork/door can be opened.
- Turn handle towards Locked position. Turn Entry unit counter-clockwise until stop. 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.

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

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