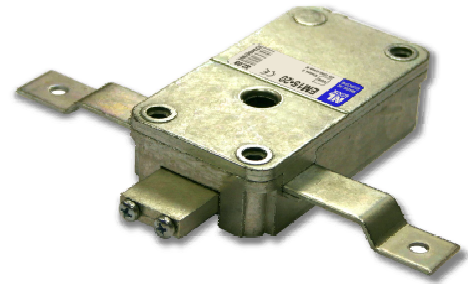


## Technical manual Mounting instructions

### EM1620/EM1520



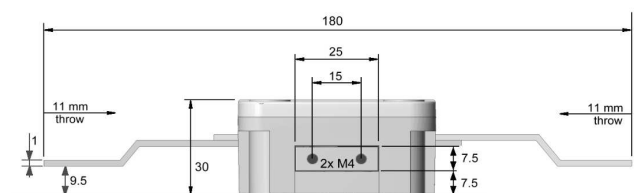
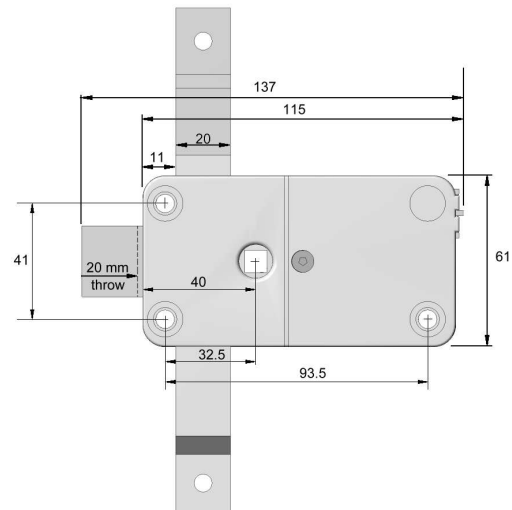
### CHARACTERISTICS

The optional three way locking mechanism of the DirectDrive lock eliminates the need for a separate bolt work. It can be mounted in all four mounting directions. The lock is delivered with metric (M6) mounting screws.

The DirectDrive features 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's electronics removes the blocking for 3 seconds and all three bolts can be moved into OPEN position by rotating the cam.

### MOUNTING INSTRUCTIONS

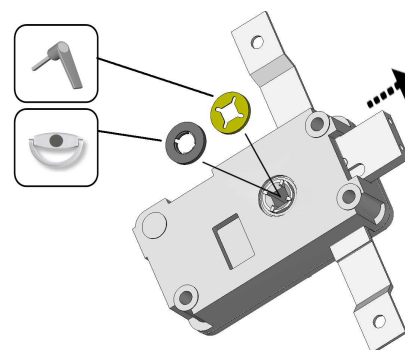
The VdS recognition of this lock is based on this mounting instruction. Read carefully. The force applied to the lock bolt should not exceed 1 KN. If higher force is applied, please consult with the testing institute (i.e. UL, VdS). Only use supplied screws to mount the lock. Fix the lock handtied. The cam is operated with an 8mm square shaft which should be inserted 15-20 mm into the lock. Spindle-hole: 11-13mm diameter. Cable-hole: 9-12mm diameter. Position of the cable hole depends on which entry unit is used.

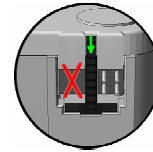
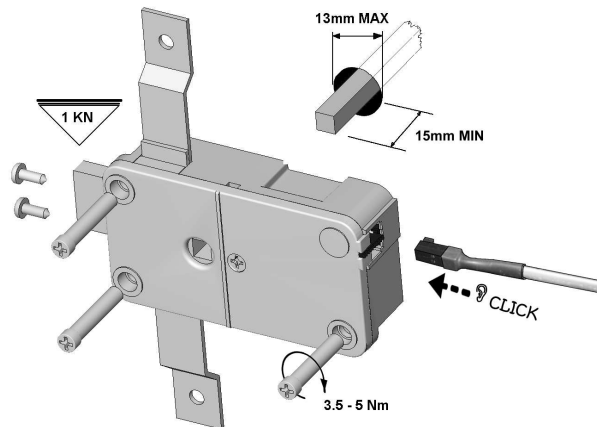


Boltwork can be mounted on the bolt head if required.  
**NEVER WELD ON BOLT OR BOLT EXTENSIONS!!**

Mount the entry unit following separate instruction.

Insert the star washer (provided with the large handle) or the shaft guide washer depending on which handle is used.





Insert the connector of the entry unit as shown in the outer position. Check that the connector is completely seated and locked by the black cable retainer.

To remove the connector, use a small screwdriver to push down the cable retainer.

Tie cables away from moving parts and sharp corners.

*No welding should be done at any time at the lock!!*

### FUNCTIONAL TEST (with door open)

Enter code (1,2,3,4,5,6) and turn handle clockwise towards OPEN position. The bolts should retract easily and there should be a positive snap action. To lock, turn handle towards LOCKED position. The bolts should move freely into their locked position (snap action). The lock secures automatically.

**Repeat functional test several times before closing the safe door.**

### DATA SHEET

<b><i>Mechanics</i></b>	
Opening	manually
Locking	manually
Blocking element	Motor (EM1620)/ Solenoid (EM1520)
Mounting dimensions	not standard
<b><i>Electronics</i></b>	
Power supply	9V ALKALINE Duracell Procell- or Energizer battery
<b><i>Software</i></b>	
Codes	2 (6 digit)
Primary code	1
Secondary code	1
Battery low signal	yes
Manipulation protection	After 4 invalid codes, 5 minutes blocking period