

## **Installation instructions for security room doors “TTV” grade I according to EN 1143-1**

To anchor the security room door, depending on the structural conditions, dowel installation or casting using a wall anchor can be selected. Combining of both options is also possible. All security room doors are therefore equipped as standard with four holes in the side and one hole in the upper frame part for anchoring with dowels. Furthermore, three bendable wall anchors are provided on the sides of the frame. If necessary, these must be bent open according to the sketch. The dowel holes are located under the black cover plugs.

### **Positioning and alignment:**

1. Check the dimensions of the wall opening. When using the wall anchors, they must find enough space in the wall pockets after bending. When using the anchoring holes, it must be possible to install the dowels in accordance with the specifications of the dowel manufacturer.
2. The door is delivered with the fitting facing upwards and it is closed and locked, check the locking mechanism (lock and bolt function) when it is delivered.
3. Position the closed door in the wall opening and support it firmly against falling over in both directions.
4. The door can be fixed in the masonry by dowelling through the side screw holes. It is also helpful to use suitable wooden wedges at suitable points.
5. After fixing, open the door carefully and check the clearance of the door leaf in all directions. Make sure that there is at least 1 cm of space in the entire swivel area under the door leaf.
6. The door leaf must stop at every opening angle and must not swing either CLOSE or OPEN independently.
7. The door must be easy to close and lock, the gap between the door and the frame must be uniform all round.
8. Bend all used wall anchors outwards as far as possible, if necessary appropriate space must be created by reworking the wall pockets.

### **Installation in the wall opening - Grouting:**

1. The door can be grouted in the closed or opened state with a high-strength grouting mortar. When the door is open, it must be locked by wedging it at 90 ° opening angle.
2. Depending on the consistency of the concrete, use suitable shuttering boards.
3. Pour in the concrete according to the processing guidelines and compact by poking or tapping. Never use a vibrator, as this can alter or loosen the fixation.

### **Anchoring through dowel assembly:**

1. Install dowels through the anchoring holes according to the push-through system, taking care that the door frame cannot warp when tightening, if necessary, fill in loose holes in the dowel area.

### **Function check:**

After the concrete has hardened, remove the wedges and carry out a function check, if necessary, readjust the adjusting screws in the door hinges.

**Security note:**

The concrete must be completely free of voids, otherwise the corresponding burglary resistance is not guaranteed. After a break-in or attempted break-in, as well as manipulation of the lock or bolt system, all claims to insurance protection and security against burglary expire.