

Mailbox Banks

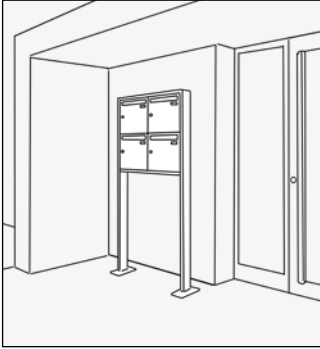
Mounting and General Advice



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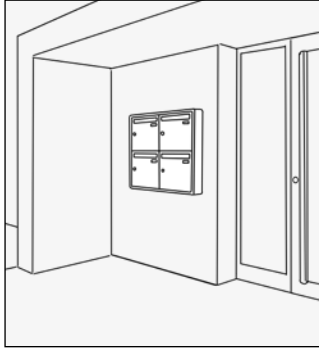
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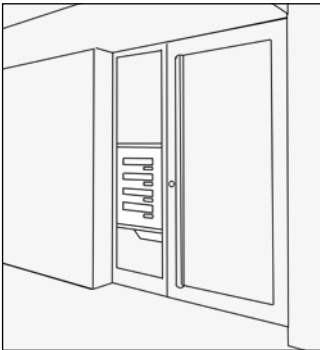
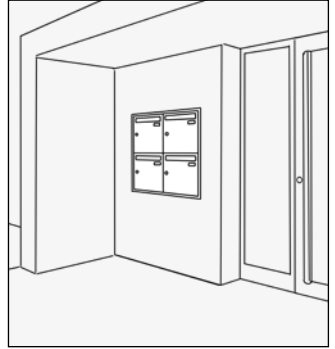
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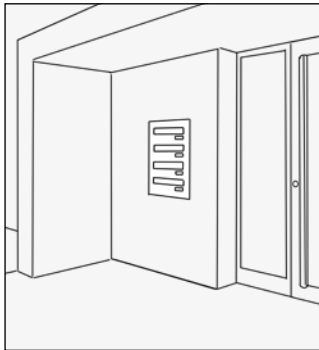
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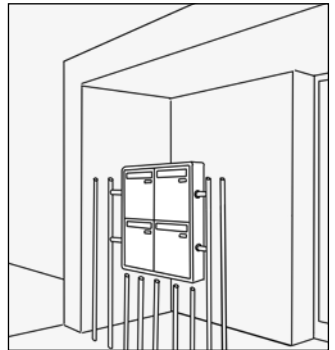
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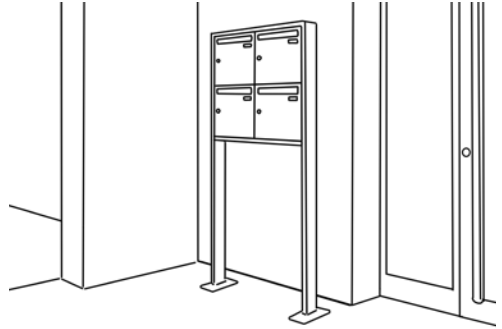
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Freestanding mailbox banks

General advice

1. During transport and assembly, the mailbox doors can move. The necessary readjustment is simple, you can find the instructions here: ► page 27
2. Your KNOBLOCH product protects the mail from rain and snow. Please make sure that freestanding mailbox banks do not have the insertion side exposed to the weather facing side. This way you can avoid water entry.
3. Electrical components with 230 V connection (such as power supplies and lighting) must be installed by an appropriate specialist.
4. Safety notice! Before executing earthworks and shaft work it must be checked that there are no water-, electricity-, gas-, telephone- or other pipes in the shaft area.
5. Please note that you need the Resis TX20 security bit to open screwed panels. This is not included in the scope of delivery and therefore must be purchased separately if necessary.
6. If the mailbox bank has a function box, we have already integrated an empty cable conduit in the foot.



Banks with feet delivered unmounted

1. Place the box block on a suitable mounting surface (e.g. table or floor with a soft surface).
2. Place the feet to the left and right of it and open the outer doors at the height of the holes in the frame.
3. Fasten the feet to the box block over the opened boxes using the screws and washers provided.

Mailbox banks with feet for setting in concrete

1. Excavating the foundation

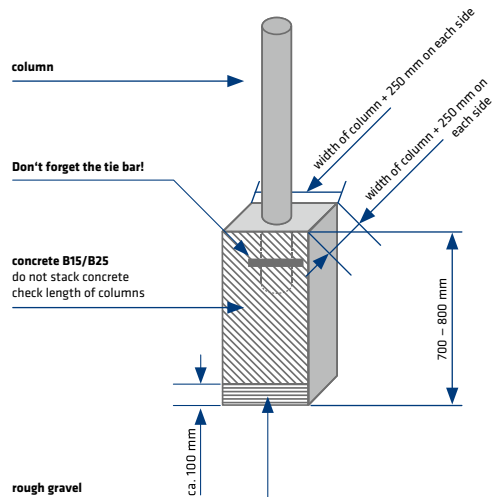
The size of the excavation depends on the chosen feet. The depth needed is approximately 700 to 800 mm. In width and length add approx. 250 mm to each side. Depending on the soil conditions the pit must be enlarged accordingly. For small mailbox banks, we recommend a one piece concrete foundation. Seal the base well and add approx. 100 mm of gravel.

Don't forget cable for electrical installations!

2. Setting up the system and encasing it in concrete

Bring in a part of concrete of normal strength class (e.g. cement) and compact it.

Now set up the mailbox bank, align it and support it, then fill the rest of the foundation with concrete, compact it and rub the surface smooth.



Mailbox banks with feet for screw fastening

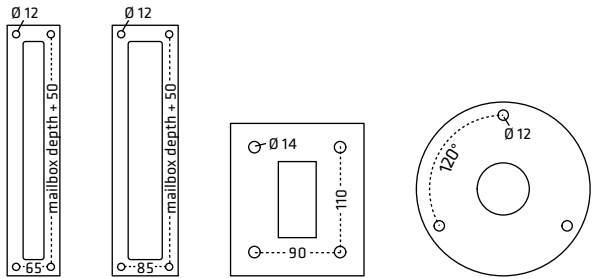
Build the foundation as described under “Mailbox banks with feet for setting in concrete”, but instead of the columns, use the corresponding anchor bolts for fastening the base plate.

Alternative with existing foundation:

Check load capacity and use heavy-duty dowels, e.g. B. SLM System Fischer, or wall screw MR System Fischer or equivalent alternatives. The diameter of the heavy-duty dowels or wall screws must be determined by the customer. When measuring the foundation, pay attention to the required edge distances for the dowels.

Alternative if there is no foundation:

With the help of screw-in anchors / screw sleeves, smaller systems can be attached without a foundation. Please contact your local specialist dealer in advance.



Feet	S0234	S0254	S0441	S0401
	S0232	S0252	S0440-2	
	S0237	S0257		

Banks with socle

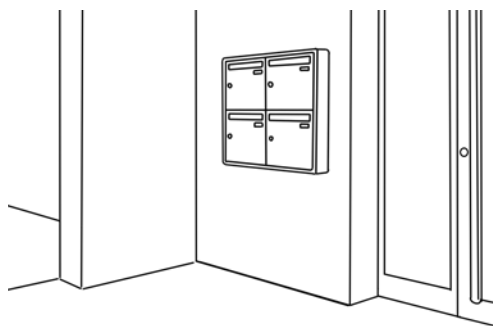
Follow the separate assembly instructions for installing systems with socle.



Surface mounted mailbox banks

General advice

1. During transport and assembly, the mailbox doors can move. The necessary readjustment is simple, you can find the instructions here: ► page 27
2. We recommend installing surface-mounted mailbox banks with at least two people. Screwing the mailbox system is easiest with three people.
3. Electrical components with 230 V connection (such as power supplies and lighting) must be installed by an appropriate specialist.
4. For a building facade with ETICS (thermal insulation composite system: ► Seite 26) be sure to ask your local specialist dealer for suitable installation equipment.
5. Please note that you need the Resis TX20 security bit to open screwed panels. This is not included in the scope of delivery and therefore must be purchased separately if necessary.



Classic assembly

1. Checking

The wall to which the mailbox bank is attached must be clean and level. Make sure that the wall has an appropriate carrying capacity. A mailbox weighs, depending on size, between 4 and 8 kg.

2. Measuring

Measure the mounting holes on the back side of the bank. Transfer these measurements to the wall. Please note the requirements of DIN EN 13724 concerning mounting height. The center line of the lowest slot should not be below 700 mm, the center line of the top insertion opening must not be higher than 1,700 mm. Only in exceptional cases (accessibility) lower limit 400 mm and upper limit 1,800 mm are permitted.

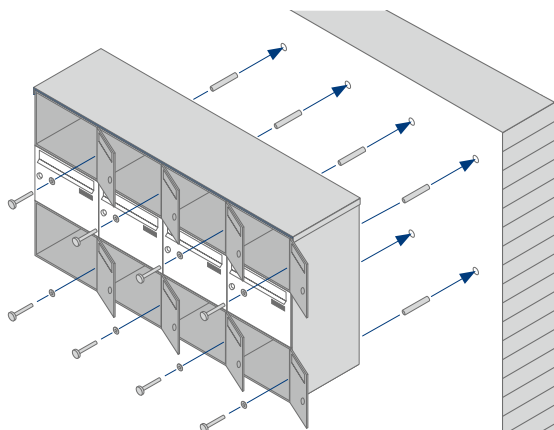
3. Drilling

Drill holes in the wall and place dowels in the holes.

Attention: Hole sizes and dowel types depend on the respective wall properties and must therefore be determined on site. If in doubt, please seek local expert advice.

4. Screwing

Open the doors of the boxes in which the mounting holes are located and insert the appropriate fittings with spacers in dowels through these boxes. Screw the bank. This step is best done with three people.



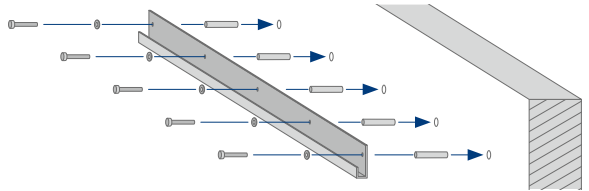
Mounting with mounting rails

Depending on the type of surround, surface-mounted mailbox banks are equipped with a mounting rail as standard. Mounting rails are small, practical helpers that ensure stability and perfect appearance. They decrease the time required and make mounting of larger systems possible with two people instead of three.



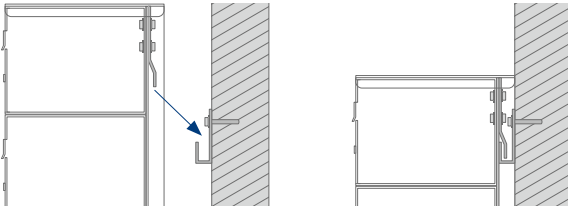
1. Attaching the rails and drill lower mounting holes

The rails must be attached to the wall using suitable screws and dowels. The diameter of the mounting holes in the rail is 8 mm as standard. Attention: hole sizes and dowel types depend on the nature of the wall and the weight of the mailbox bank and must therefore be determined by the customer. If in doubt, please seek local expert advice. The mounting rail must be aligned horizontally. All drilled holes must be screwed to the rails. The bottom mounting holes should be made as described in "Classic assembly".



2. Hanging in the mailbox

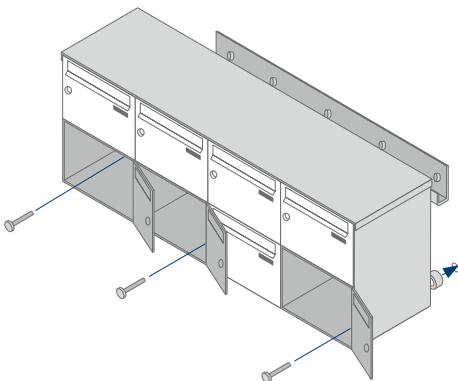
The system can now be hung into the rails from above.



3. Fastening the screws

Finally, the fastening screws in the lower boxes must be screwed using the spacers provided between the box and the wall.

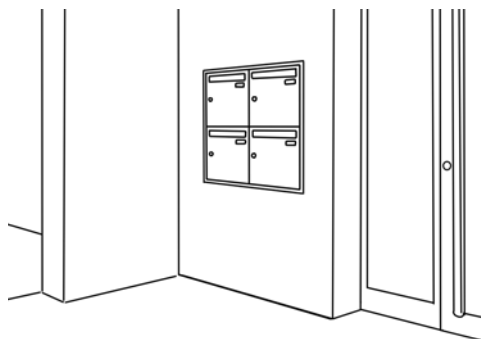
Attention: Be sure to use the included spacers. Otherwise, the system or the surround may warp.



Recessed mounted mailbox banks

General advice

1. During transport and assembly, the mailbox doors can move. The necessary readjustment is simple, you can find the instructions here: ► page 27
2. We recommend installing recessed mounted mailbox banks with at least two people. Screwing the mailbox system is easiest with three people.
3. Electrical components with 230 V connection (such as power supplies and lighting) must be installed by an appropriate specialist.
4. Please note that you need the Resis TX20 security bit to open screwed panels. This is not included in the scope of delivery and therefore must be purchased separately if necessary.
5. Sealing (e.g. with a thermal insulation composite system: ► Seite 26) to the masonry must be carried out on site.



Assembly

1. Measuring height and width

Take the exact width and height from the back of the mailbox system. Please note: these are the dimensions of the box block without the plaster cover frame.

Add a total of approx. 20 mm to these dimensions in both height and width and then use these dimensions to draw a rectangle on the wall in which the system is to be mounted. Please note the installation height prescribed by DIN EN 13724. The center line of the lowest entry opening should not be less than 700 mm and the center line of the top entry opening should not be higher than 1,700 mm. Only in exceptional cases a lower limit of 400 mm and an upper limit of 1,800 mm is permitted.

2. Measuring depth

Now measure the total depth of the mailbox system, adding 5 to a maximum of 10 mm here. **Note:** For partial flush-mounted systems, please do not measure the total depth of the mailbox system, but only the depth up to the point at which the system should be installed in the wall.

3. Breaking out the niche

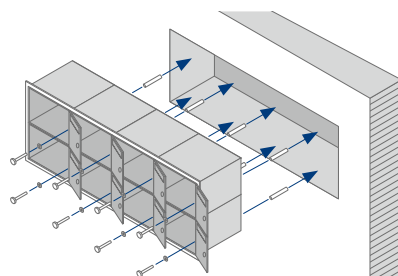
Then break out a niche from the wall within the marked rectangle and in the depth of the system.

4. Adjusting the system

Then carefully fit the system into this niche and, if necessary, correct the niche size or insert suitable spacer elements.

5. Drilling

Bring the system into the final position and mark the drill holes on the wall. Remove the system from the niche, drill the appropriate holes in the back wall of the niche and insert the dowels into the holes. **Attention:** Hole sizes and dowel types depend on the nature of the wall and the weight of the system and must therefore be determined by the customer. If in doubt, please seek local expert advice.



Tip: The system can also be attached via the side walls.

6. Screwing

Now insert the system into the niche again, open the doors of the boxes in which the mounting holes are located and insert the appropriate screws into the dowels through these boxes. Screw the system together. Make sure that the plaster cover frame completely covers the niche.

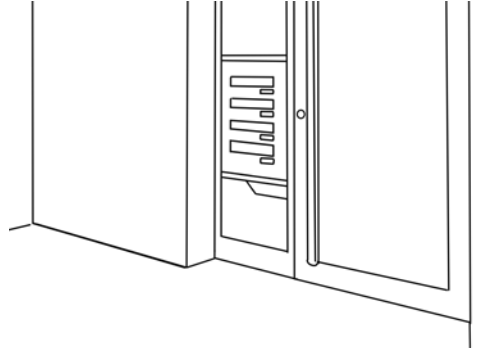
Installation in flush-mounted systems with shadow gap frame TE150

The assembly process is the same as standard. However, since the shadow gap frame should be flush with the wall and not cover the plaster, we recommend adding a total of 16 mm to the height and width and using the exact dimensions of the system for the depth – without any additional measurements. Very precise work is necessary here. Any gap between the wall and the frame may need to be leveled or plastered. During this plastering work, protect the frame and the system accordingly so that no plaster/paint gets onto the surface of the system.

Doorside panel mailbox banks

General advice

1. During transport and assembly, the mailbox doors can move. The necessary readjustment is simple, you can find the instructions here: ► page 27
2. Electrical components with 230 V connection (such as power supplies and lighting) must be installed by an appropriate specialist.
3. Please note that you need the Resis TX20 security bit to open screwed panels. This is not included in the scope of delivery and therefore must be purchased separately if necessary.



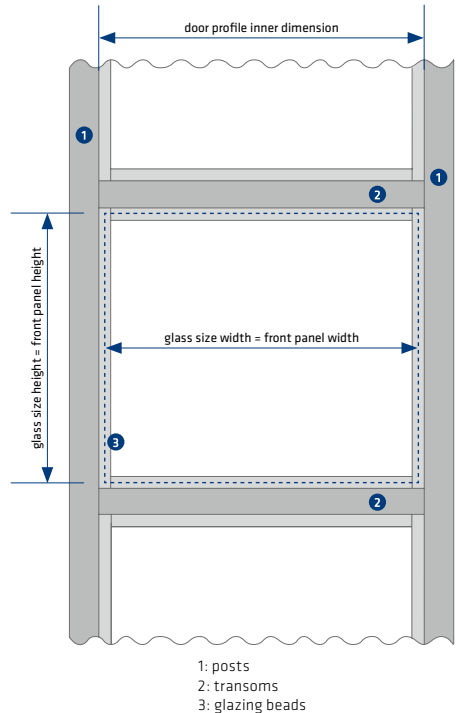
Measuring

Prerequisite for the production of a door side panel system is a professional measurement. This is usually carried out by a specialist, such as a window fitter. They can best assess how the door side panel is constructed. In most cases, insulating glass panes or sandwich panels are installed between the door profiles.

Determining glass size

An important dimension of the door side panel mailbox bank is the front panel dimension or glass dimension. The front panel dimensions consist of the width x height x thickness:

- The most common thicknesses are 24 mm with thermal insulation or 2 mm as a simple front panel.
- The front panel with integrated mailbox bank is measured and installed like a glass panel or sandwich panel.
- It is limited on the right and left by the vertical door profiles (posts) and above and below by the horizontal door profiles (transoms).
- The front panel must protrude 30 mm from the mailbox system body on all sides. Otherwise it is difficult to attach it with the glazing beads. (This is how the mailbox system is attached to the door profiles).
- The front panel dimensions must be 10 mm smaller on all sides than the inside dimensions of the door profile.
- The front panel can also be combined with glass connection strips at the top and bottom.
- For door side panel mailbox banks with 2 mm thick front panels, the cutout in the door profile must be large enough so that the mailbox bank body can be inserted through from the front. In most cases, the mailbox bank is attached to the door profiles from the inside using an angle profile



Advice for Mounting

Make sure that the mailbox bank rests evenly on the transoms (2). This applies to both the inner and outer front panel.

Box block hanging

Included supplies

Please check that the delivery is complete and in perfect condition before starting assembly. If damage occurs during installation or is only discovered at this point, we cannot grant you any warranty claims.
Additionally to the included supplies you need a crosshead screwdriver.



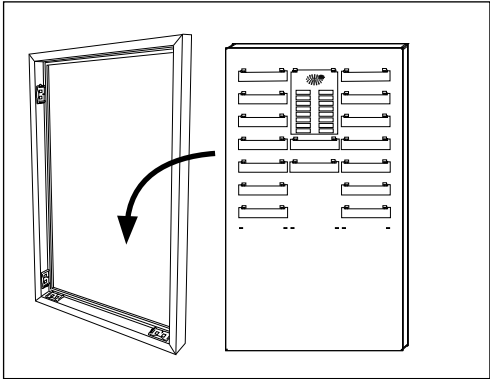
locking plates
2x per box block column



screws
2x per box block column

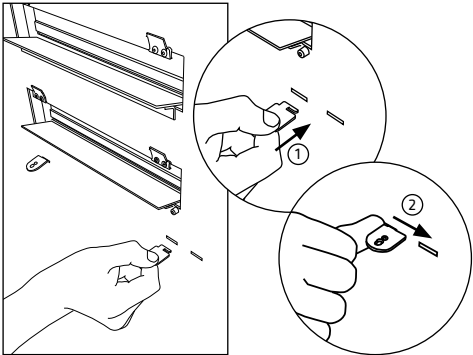
1. Inserting the front panel into the door profile

Insert the front panel into the door profile and fix it with the glazing beads. Please note the installation instructions provided by your door profile supplier.



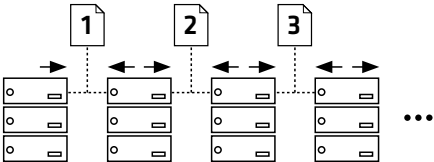
2. Installing the locking plates

Insert the locking plates included in the service pack into the slots provided on the back of the front panel. There are two slots under each box block column. Then push the inserted locking plates outwards on each side.



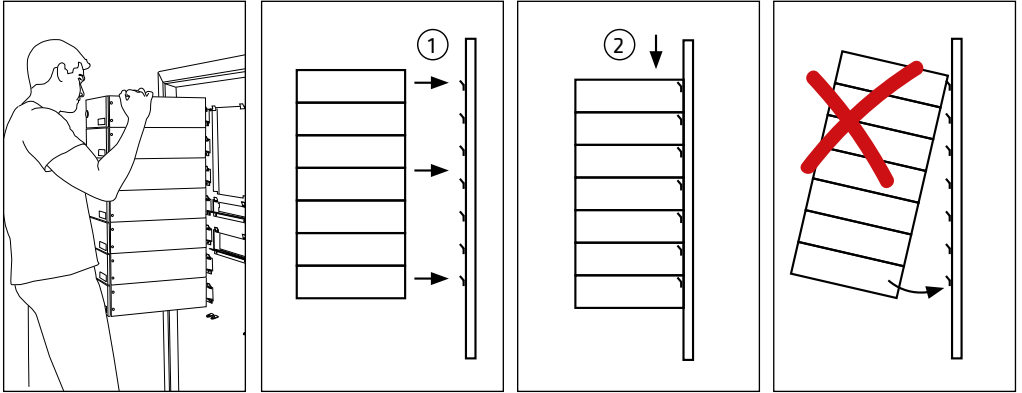
3. The correct order for several box blocks

For door side panel banks with several box blocks, the correct order of the blocks when hanging is important. For this purpose, the inside of the blocks are marked with numbers according to the principle shown here.



4. Hanging the box blocks

Hang the box blocks individually. To do this, lift a box block approx. 1 cm above the hanging brackets and then carefully lower the block downwards. Pay attention to the guide sleeves, which are attached to the front panel at regular intervals to the right and left of the slots and ensure that the box block automatically assumes the correct position. Also make sure that you insert the box block parallel to the front panel and only lower the block when it is flush with the front panel.

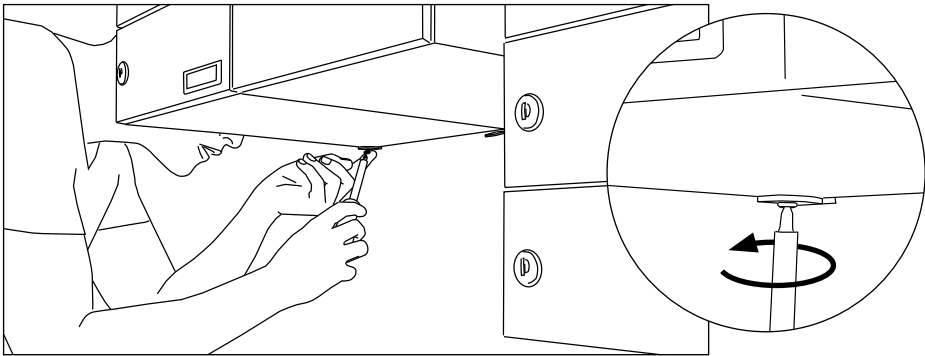


Note on lighting and function boxes that span multiple box block columns

The assembly order is from bottom to top, so the lowest box blocks go first. The lighting or function box is then placed on the already assembled box blocks and screwed inside the box to the box blocks underneath. You will find the screws, nuts and washers required for this in the service pack.

5. Screwing the box block to the front panel

Now screw the box blocks together with the previously inserted locking plates. To do this, use the screws included in the service pack and a screwdriver.



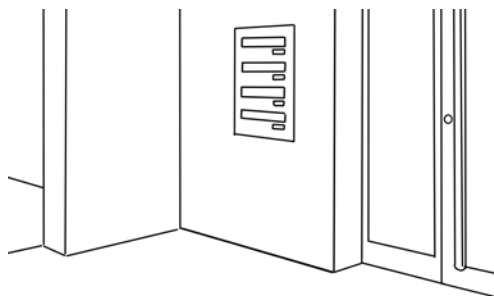
6. Installation of a roof panel

If a door side panel bank is ordered with (optional) surround, then the side panels are already attached to the corresponding box blocks when the system is delivered. Only the roof paneling still needs to be screwed to the box blocks. You will find the screws, nuts and washers required for this in the service pack.

Through-wall mailbox banks

General advice

1. During transport and assembly, the mailbox doors can move. The necessary readjustment is simple, you can find the instructions here: ► page 27
2. Electrical components with 230 V connection (such as power supplies and lighting) must be installed by an appropriate specialist.
3. Please note that you need the Resis TX20 security bit to open screwed panels. This is not included in the scope of delivery and therefore must be purchased separately if necessary.



Installation

1. Insert

If the structural conditions allow it, we recommend a slightly recessed installation with a drip edge attached. The rainwater running down the wall or house wall then runs off in front of the front panel.

Unscrew the front panel, push the boxes into the wall opening and cover with a waterproof bitumen membrane of sufficient thickness (the top is required, but sheathing on all sides is recommended).

Fix boxes. Make sure that any construction foam used to fix the system does not come into contact with the front panel, otherwise it will no longer be possible to dismantle it later.

Attention: Do not use construction foam that has a swelling effect!

2. Plastering

Plaster the wall opening between the wall and the boxes. Avoid contact between anodized parts and cement/mortar if possible, or clean them immediately. Screw the front panel back on. Ensure that the front panel sits properly. With natural stone, it is also usually necessary to level out any unevenness, as otherwise water can penetrate behind the front panel. Make sure that the sealing rubber of the end profile is seated exactly.

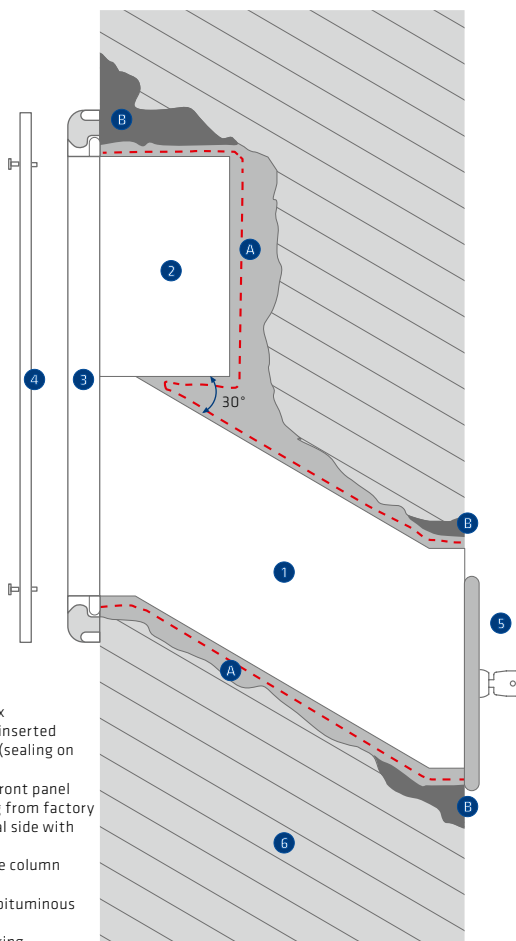
Note

The factory-fitted seal between the front panel and the masonry is only suitable for installation with smooth plaster. In case of textured plaster, clinker or natural stone walls, the front panel must be additionally sealed to protect against creeping moisture. If necessary, be sure to ask your local bricklayer.

In the case of porous stone or masonry, the system itself must be additionally covered. Multi-layer bitumen sheeting is particularly suitable for this, as shown in red in the adjacent sketch. The improved insulation not only protects against moisture penetrating, but also against the formation of condensation when the weather changes.

- 1: mailbox
- 2: function box
- 3: frame with inserted front panel (sealing on site)
- 4: or smooth front panel with sealing from factory
- 5: mail removal side with door
- 6: wall or stone column

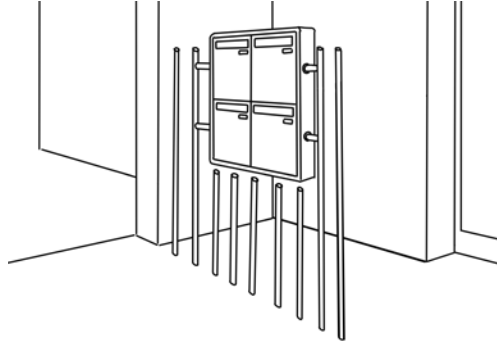
- A: multilayer bituminous sheeting
B: later plastering



Fence mounted mailbox banks

General advice

1. During transport and assembly, the mailbox doors can move. The necessary readjustment is simple, you can find the instructions here: ► page 27
2. Electrical components with 230 V connection (such as power supplies and lighting) must be installed by an appropriate specialist.
3. Please note that you need the Resis TX20 security bit to open screwed panels. This is not included in the scope of delivery and therefore must be purchased separately if necessary.



Mailbox banks with front removal

1. Check

Mailbox banks with front access are normally simply screwed onto the fence. It is important to ensure that the fence has the appropriate load-bearing capacity. A mailbox weighs between 4 and 8 kg, depending on its size.

2. Measure

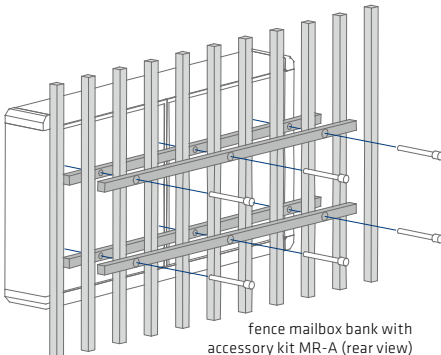
Measure the mounting holes on the back of the system. Transfer these measurements to the fence. Please note the installation height specified by DIN EN 13724. The center line of the lowest opening should not be less than 700 mm and the center line of the highest opening should not be higher than 1,700 mm. Only in exceptional cases 400 mm as the lower limit and 1,800 mm as the upper limit are permitted.

3. Installation

The fastening elements are to be selected according to the type of fence.

The optional MR-A accessory kit is available on request as an assembly aid for bar fences. This only works for:

- vertical boxes with front removal
- systems with a maximum of 2 boxes on top of each other with a total height of max. 660 mm
- systems with a maximum of 3 boxes next to each other with a total width of max. 1,110 mm



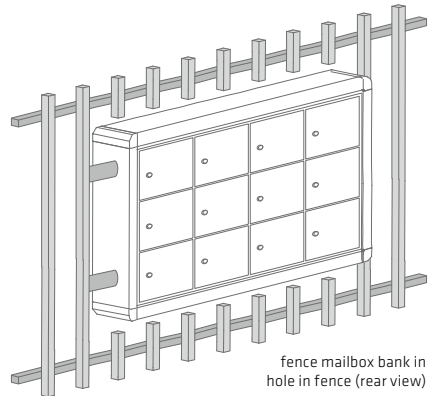
Mailbox banks with rear removal

1. Check

Mailbox banks with rear removal are usually installed directly in a fence cutout. It is important to ensure that the fence has the appropriate load-bearing capacity. A mailbox weighs between 4 and 8 kg, depending on its size. The cutout in the fence for installing the letterbox system must be large enough.

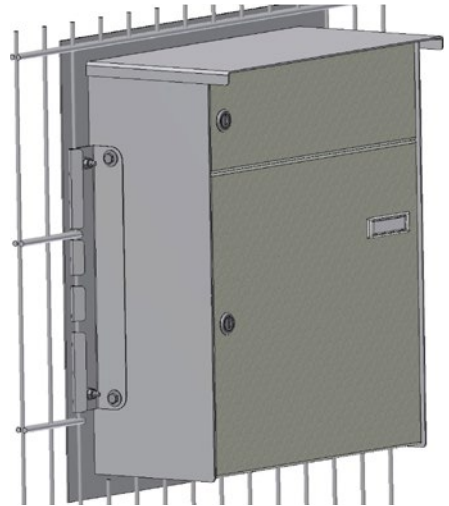
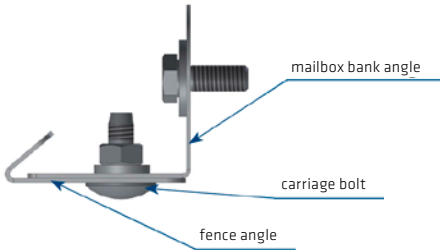
2. Installation

The position and size of the fastening and cable entry holes are determined during the ordering process, as are any spacers that may be required. The fastening screws are not included in the scope of delivery, they must be provided by the customer and must comply with the installation conditions.



Banks with set for bar-mat-fences

The mailbox bank angle is screwed to the mailbox bank, the fence angle is then clamped into the bar mats and secured to the mailbox bank angle using the carriage bolts. This has a certain amount of play due to the slotted hole so that the differences in the bar spacing can be compensated.



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