

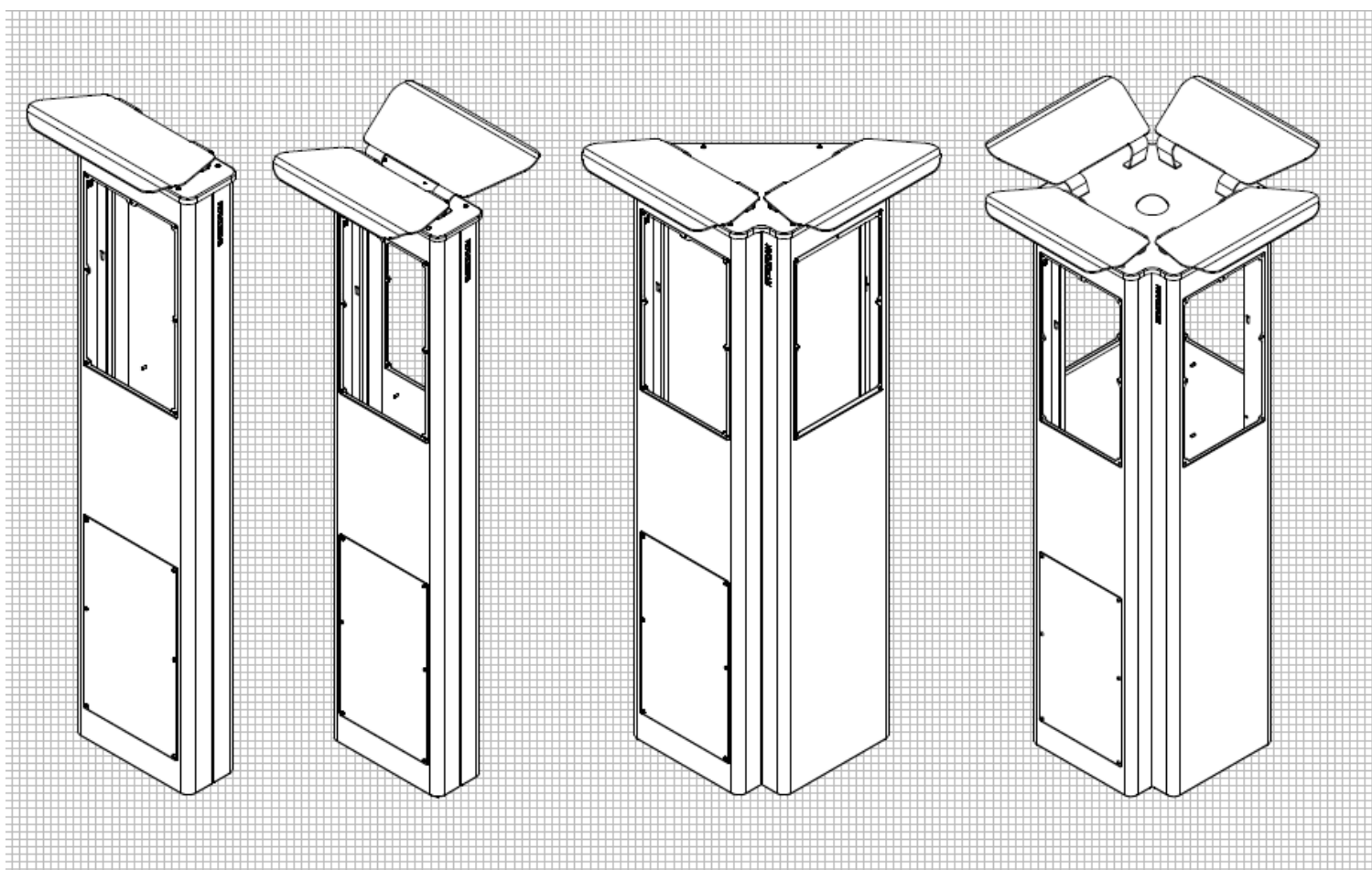
# MEVOLT

Installation instructions for the systems

WALLBOX CARRIER

MK21 Single / MK22 Duplex

MK23 Delta / MK24 Quattro



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## General information

These assembly instructions are part of the product and contain all the information for correct and safe assembly.

- Before installing the WALLBOX CARRIER, read the installation instructions in full!
- Keep these assembly instructions and pass them on to subsequent users/owners!
- The current version of the assembly instructions is not yet available on the Internet!

### Use of symbols and highlights





	<b>Warning</b>	This signal word indicates a hazard with a medium level of risk which, if not avoided, may result in minor or moderate injury.
	<b>Caution</b>	This signal word refers to a hazard with a low risk level that, if not avoided, may result in minor or moderate injury.
	<b>Hint</b>	This signal word indicates a technical feature or (if ignored) possible damage to the product.

### Safety Instructions

These installation instructions are intended for certified and qualified installation personnel with appropriate qualifications for work on electrotechnical systems.

#### General safety instructions

- Only use the WALLBOX CARRIER in perfect technical condition.
- Faults that impair the safety of persons or the device must be rectified immediately by an authorised electrician in accordance with the national regulations.
- Do not place the stele near heat sources.
- Install a rollover or bumper system to prevent damage from vehicles hitting them.
- Only clean the WALLBOX CARRIER with agents that do not attack the powder coating of the WALLBOX CARRIER.
- Avoid damage to the paintwork caused by stone chips or collisions.
- In order to not compromise the corrosion protection of the WALLBOX CARRIER, free holes should only be drilled in the MULTI CARRIER stainless steel plate.

	<b>Warning</b>	Take all necessary precautions when working on electrical systems.
	<b>Caution</b> Risk of electric shock. Explosion or arc flash. Severe injury or damage to equipment.	Ensure adequate earthing of the stele in accordance with local regulations.
	<b>Hint</b>	Always observe the locally applicable regulations for electrical installations.
	<b>Caution</b>	Ensure that only persons who have read these installation instructions have access to the stele.

## Warranty and liability

In case of defects or complaints on delivery or the first assembly, please contact the specialist retail store, from which the WALLBOX CARRIER was purchased.

MEVOLT accepts no liability for defects and damage resulting from the fact that installation and operating instructions and the instructions contained therein were not observed.

This exclusion of liability applies in particular to:

- Installation by untrained personnel
- Improper use
- Repairs not carried out by trained personnel
- Use of non-original parts

The following additional points must also be observed and will result in the exclusion of any warranty or liability:

- **Mechanical damage** caused by bumping, leaning, tying, dumping, vandalism and the like is not covered by the manufacturer's warranty obligation.
- **Coastal locations and installation in the water** harbour the risk of components such as screws corroding due to salt water. Consult your specialist dealer regarding the installation location.
- **Contact with hand and sun** creams on painted surfaces can cause damage and visual degradation of the surfaces. This is indicated by blistering or discolouration of the surface.
- **Rust penetration:** Rust penetration is defined as a hole that develops from the inside out. Furthermore, the rust penetration must result in a weakening of the stability. The warranty only applies if the WALLBOX CARRIER has been installed correctly and in the correct location. Visual corrosion (e.g. surface rust) is excluded.
- **Edge corrosion** caused by improper handling and damage to the edge must be carried out promptly and professionally with a suitable touch-up pen and must be re-protected against corrosion.
- **Damage caused by mechanical tools:** Improper use of tools or unsuitable tools (steel on stainless steel) can lead to optical or mechanical damage.
- **Chemical cleaning agents or solvents** can lead to surface damage if used incorrectly.
- **Flash rust deposits:** The application of foreign substances to the coated/painted surface can lead to flash rust. This is caused, for example, by flying sparks/particles during mechanical processing.
- **Bird droppings or urine/faeces** are aggressive to coatings.
- **During the annual inspection** of the steel in accordance with DGUV-V3: Obligation to inspect portable or non-variable electrical equipment/systems, a visual inspection for damage must be carried out and any faults detected must be repaired professionally.
- **Visual defects** must be rectified promptly and professionally. The following test conditions apply for defining and recognising visual defects:
  1. Uniform illumination with a diffuse light source.
  2. It is not permitted to manipulate the parts towards a directional light source to highlight surface defects.
  3. Do not magnify (e.g. by using a magnifying glass) when inspecting surface defects.
  4. Viewing time: 3 seconds per area and 5 seconds for the overall impression.
  5. Minimum viewing distance: 1,000 mm
  6. The irregularities must be visible from two different directions.

The respective manufacturer / installer is responsible for the foundation used, wall boxes installed on WALLBOX CARRIER, a built-in distributor and all other components installed in addition to the WALLBOX CARRIER. MEVOLT does not assume any warranty or liability for these components. All earthing measures must be carried out, measured, and recorded accordingly by trained electricians in order to achieve a suitable protective effect according to the ambient conditions. All legal requirements, applicable standards and guidelines must be observed.

## Support

If you have any questions, please contact our technical support team by phone or email (Mon-Thu 8am - 4pm, Fri 8am - 1pm) **+49 8191 96 36 00** or [info@mevolt.de](mailto:info@mevolt.de)

**Disclaimer of liability**

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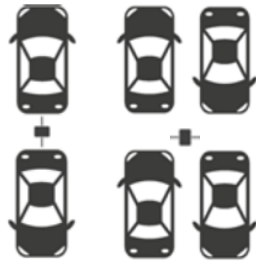
This guide has been prepared with the greatest possible care. Despite everything, we cannot guarantee the correctness of the.

MEVOLT reserves the right to change details in this publication without prior notice.

# Overview of WALLBOX CARRIER models and components



**WALLBOX CARRIER  
MK21 SINGLE**



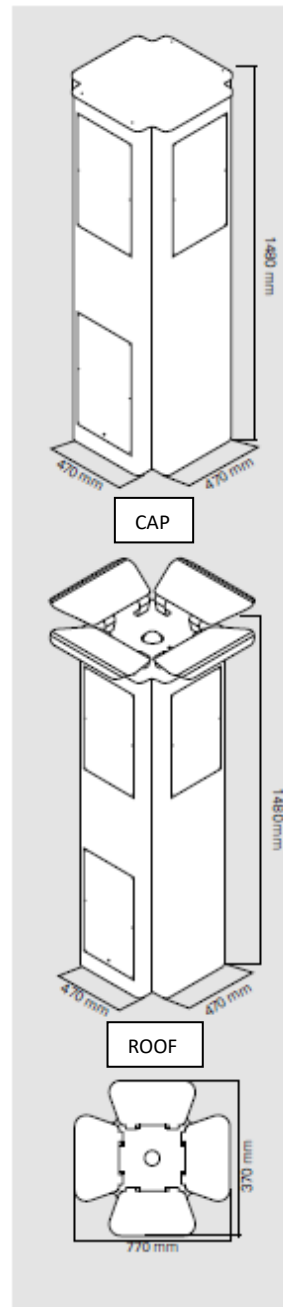
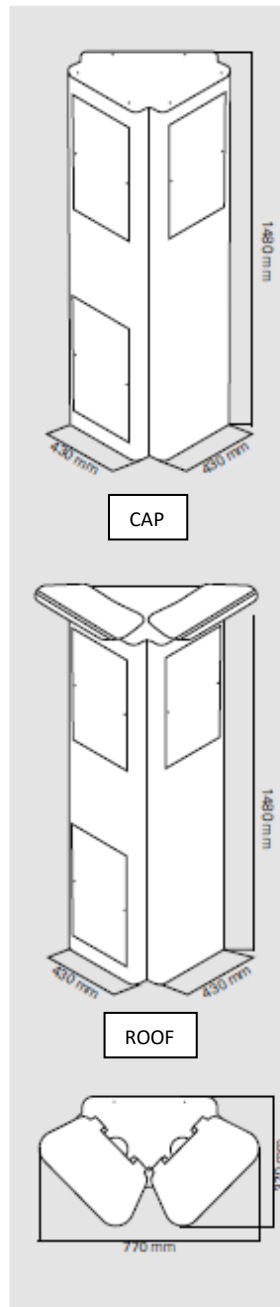
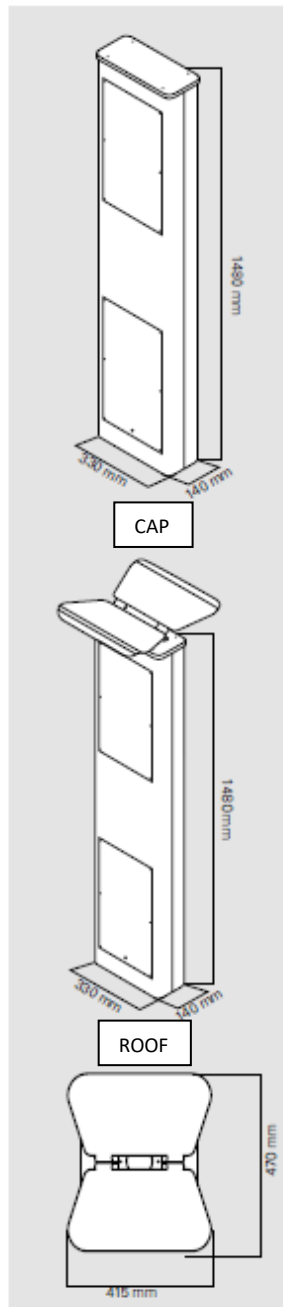
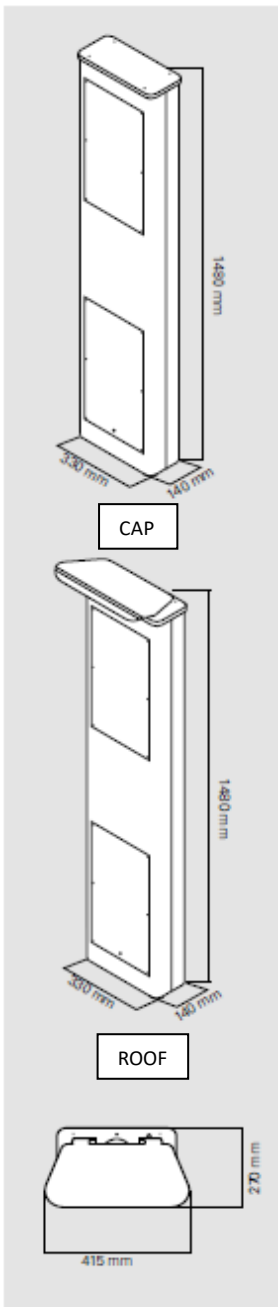
**WALLBOX CARRIER  
MK22 DUPLEX**

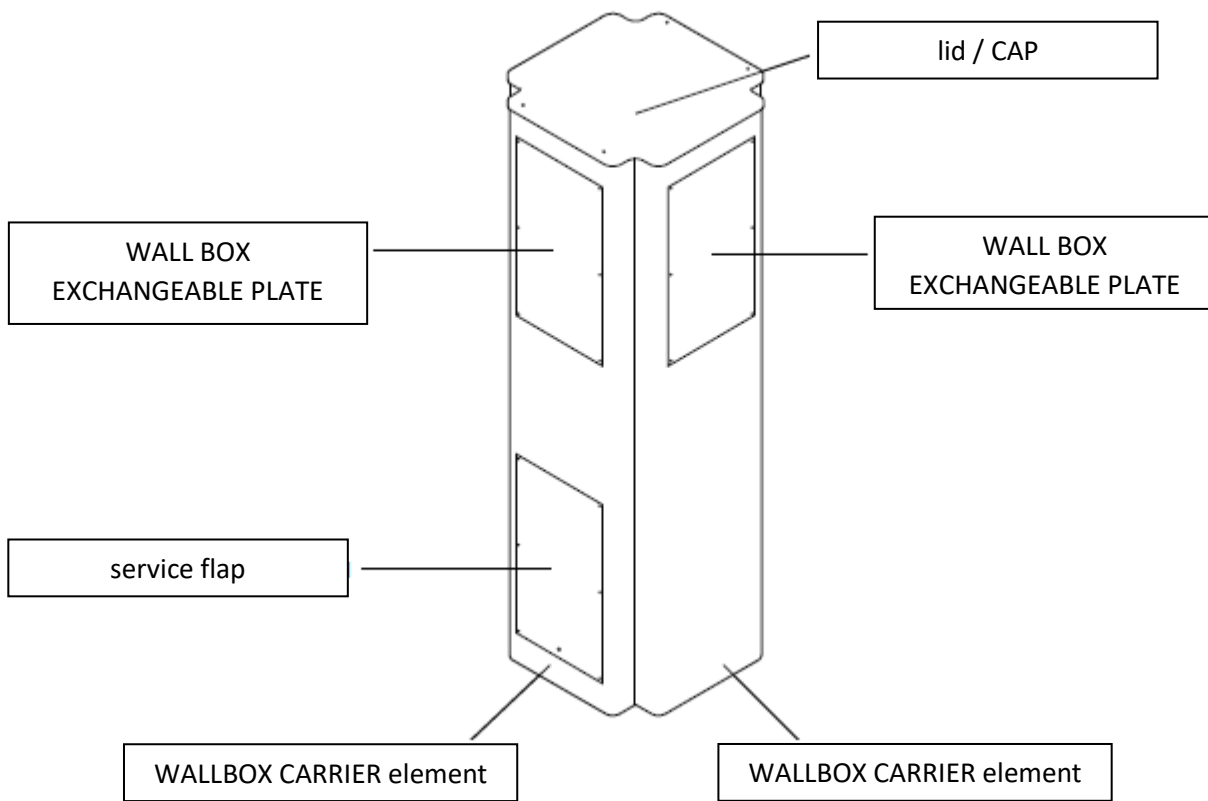


**WALLBOX CARRIER  
MK23 DELTA**



**WALLBOX CARRIER  
MK24 QUATTRO**



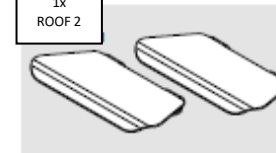
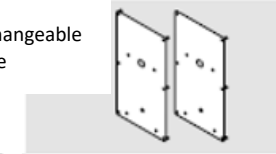
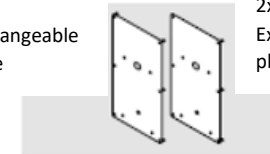
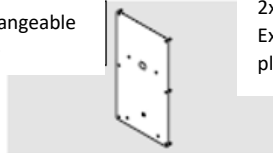
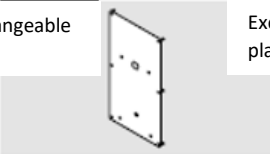
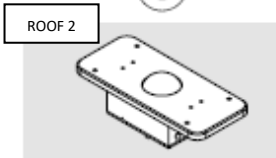
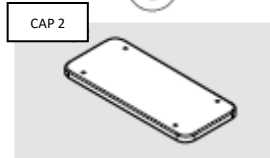
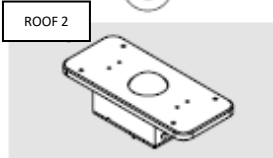
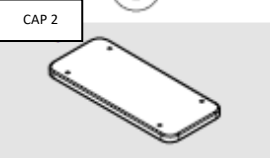
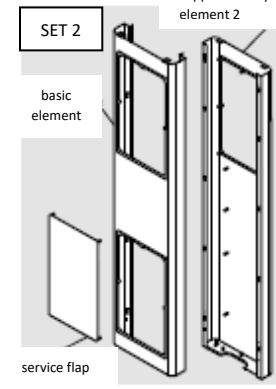
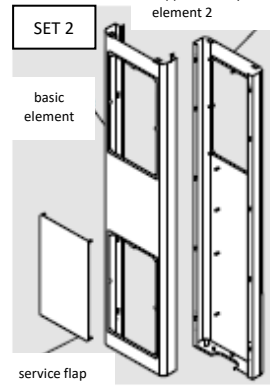
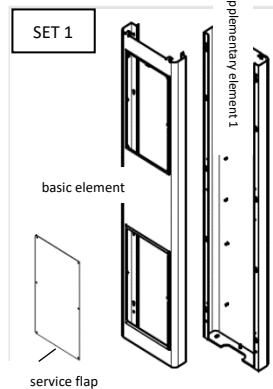
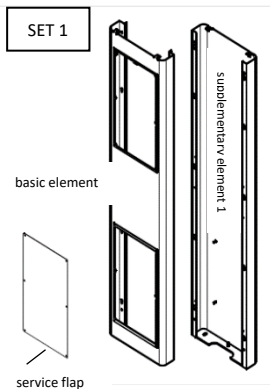
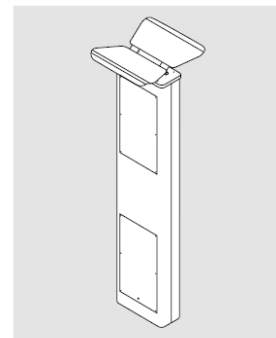
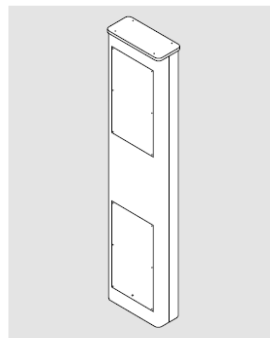
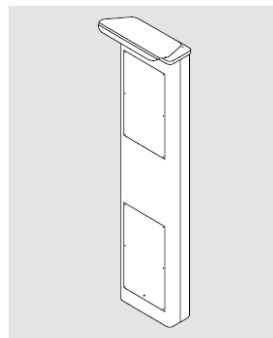
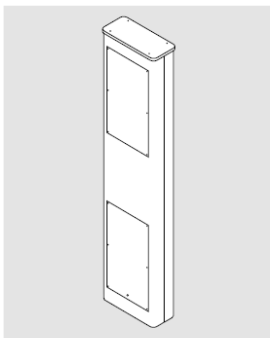


**WALLBOX CARRIER  
MK21 SINGLE – CAP**

**WALLBOX CARRIER  
MK21 SINGLE – ROOF**

**WALLBOX CARRIER  
MK22 DUPLEX – CAP**

**WALLBOX CARRIER  
MK22 DUPLEX – ROOF**



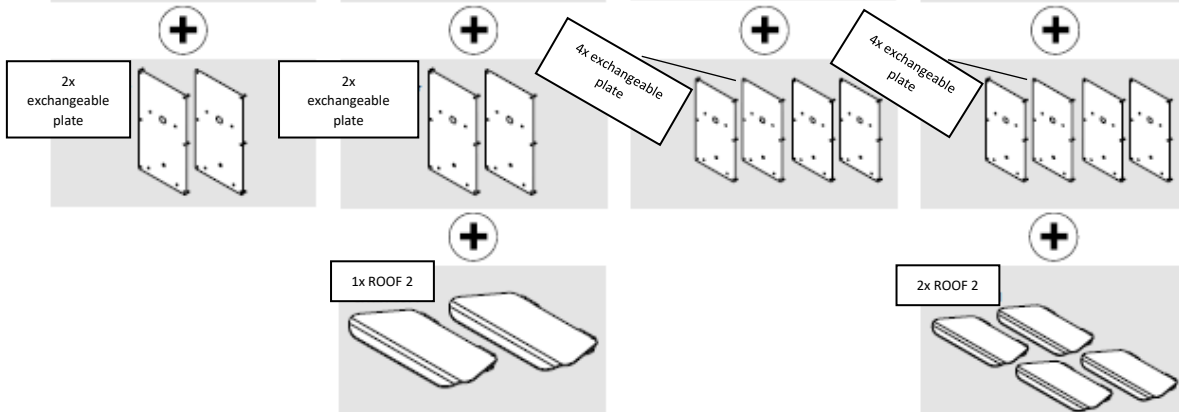
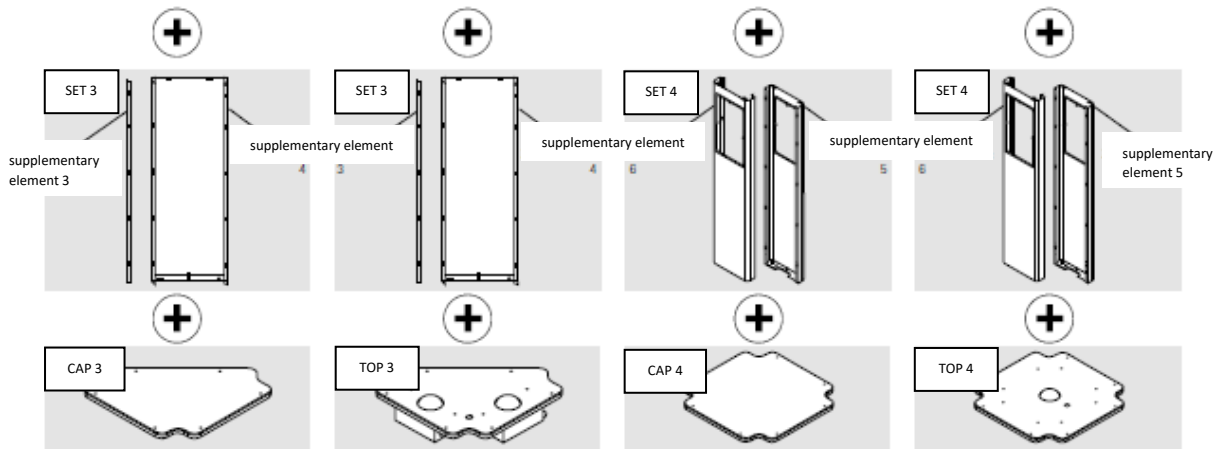
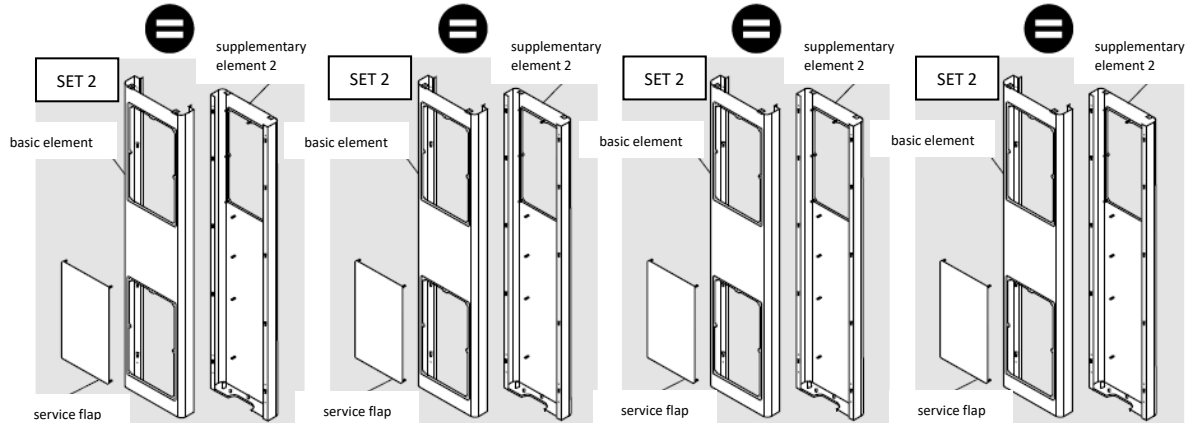
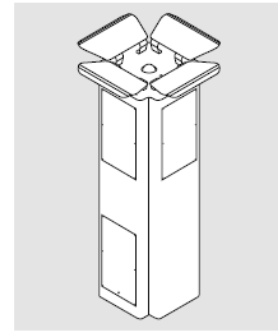
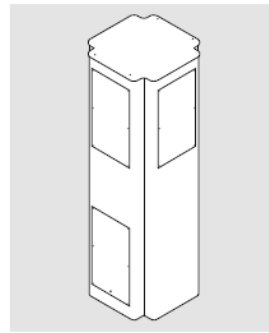
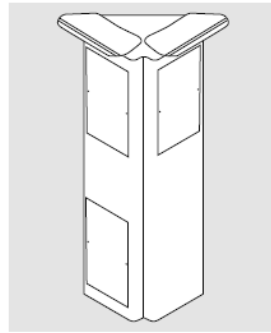
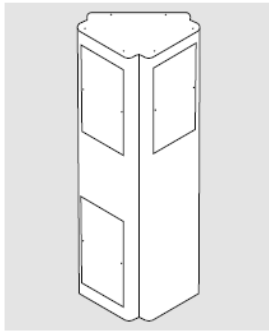


**WALLBOX CARRIER  
MK23 DELTA – CAP**

**WALLBOX CARRIER  
MK23 DELTA – ROOF**

**WALLBOX CARRIER  
MK24 QUATTRO – CAP**

**WALLBOX CARRIER  
MK24 QUATTRO – ROOF**





hexagon nut with flange M5



flat head screw, torx® x25  
M5x12



toothed washer M8 M1



hex nut M8 S1



washer M8



spring washer M8



toothed washer M5



hexagon nut M5



washer M5



spring washer M5


### Required tools

Tools	Description
torx® TX25 angle screwdriver	attaching the screws
ground tester	check the resistance of the earth connection. Check that cables are free of potential
cabling tool	connecting to earth
general tools, Drills, Drilling machine	installation of the earth connection and holes in the base
Marking spray / pen	tighten the nuts
wrench SW8	tighten the nuts
wrench SW13	tighten the nuts
allen key L-wrench size 4	attaching the screws

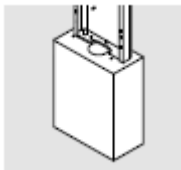
## Construction: General assembly steps

### Requirements for installation location

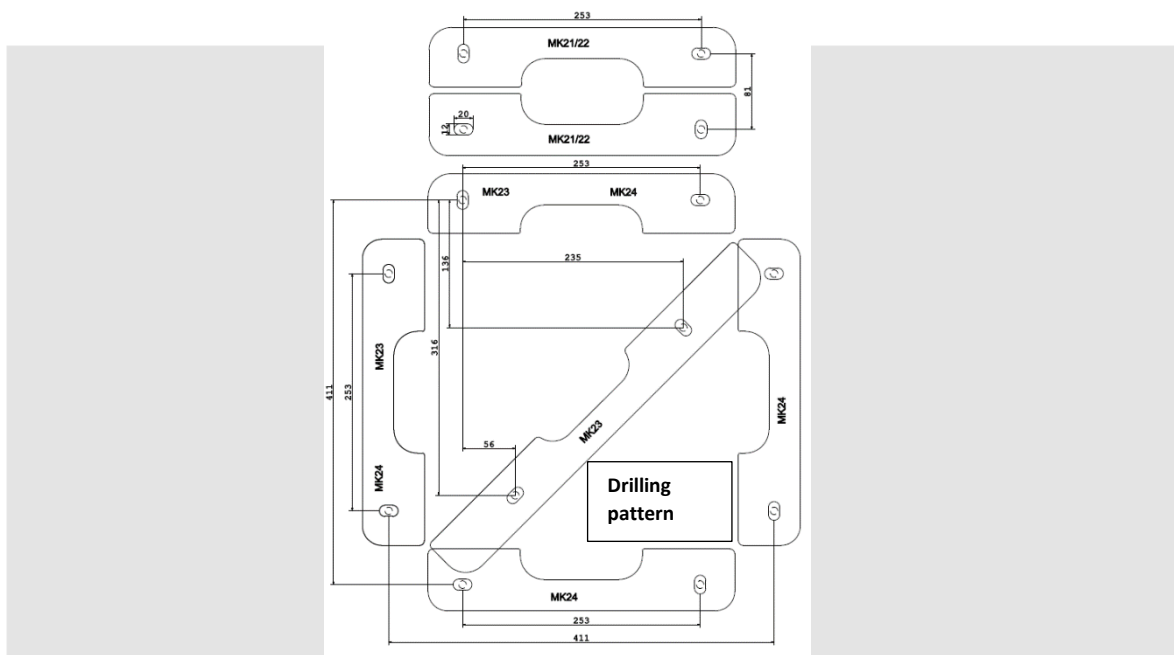
- Appropriate collision/ram protection should be fitted if the WALLBOX CARRIER is installed on a road or in a public car park, whether open or covered.
- If several WALLBOX CARRIERS are to be installed next to each other, ensure that there is sufficient distance between the WALLBOX CARRIERS, but at least 500 mm.
- The surface must be completely flat.
- The foundation must be constructed in accordance with the applicable rules of engineering and must be capable of absorbing the forces and moments acting during the entire service life.

	<b>Hint</b>	Do not install the WALLBOX CARRIER on asphalt. On asphalt, the stability of the WALLBOX CARRIER is not guaranteed.
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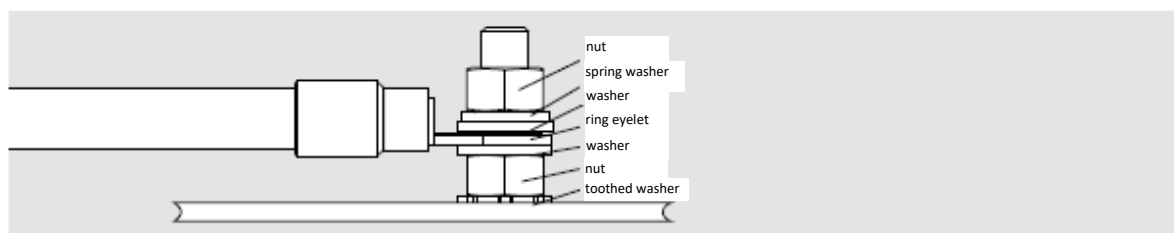
### How to prepare the installation site / How to attach the WALLBOX CARRIER feet



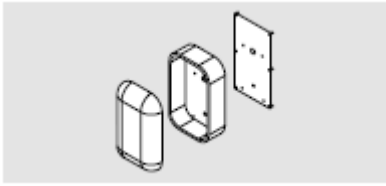
- Mark drilling points using the basic element or supplementary elements
- Provide suitable fixing points at the specified locations to ensure secure attachment of the WALLBOX CARRIER
- Fasten the WALLBOX CARRIER elements at both fixing points using suitable fixing material (min. M8) at both fixing points.



### Professional installation of the earthing at all earthing points



### Exemplary wall box installation



- Mount the wall box in accordance with the manufacturer's instructions on the designated manufacturer-specific "WALLBOX exchangeable plate" (check the compatibility of the wall box model in advance in the "WALLBOX exchangeable Plate" data sheet).

**Alternative**

- Drilling of the necessary holes and feedthroughs in the "WALLBOX exchangeable plate Multi Carrier". Then fasten according to the manufacturer's instructions.

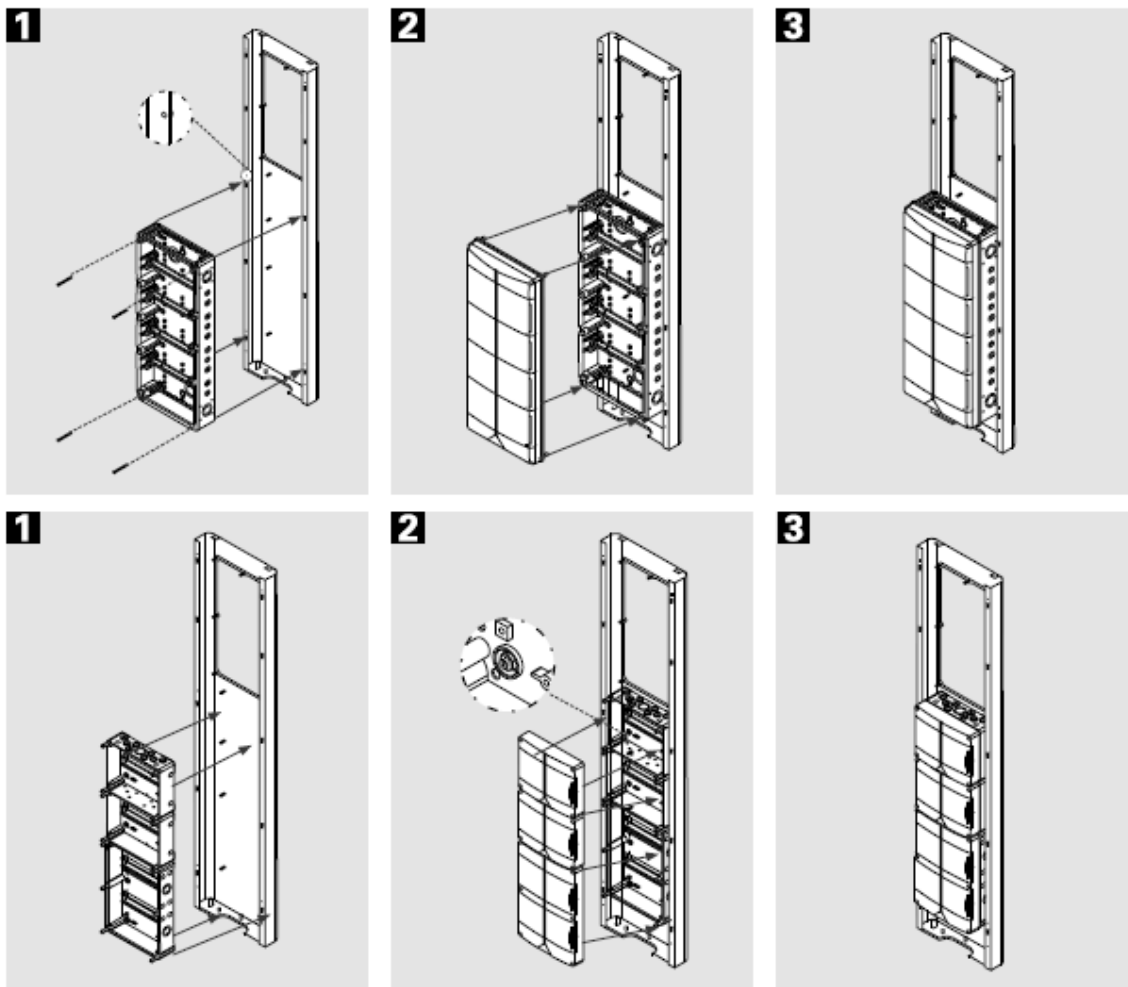
	<b>Hint</b>	Do not drill into manufacturer-specific exchangeable plates, as this will damage the corrosion protection.
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- Connection of the supply lines according to the manufacturer's specifications through specially designed feedthroughs
- Attachment of the exchangeable plate to the stele

### Optional: Installation of distributor

- **Tip:** Assemble the distributor in advance
- **Tip:** Install the distribution board while the back of the WALLBOX CARRIER is still on the floor.

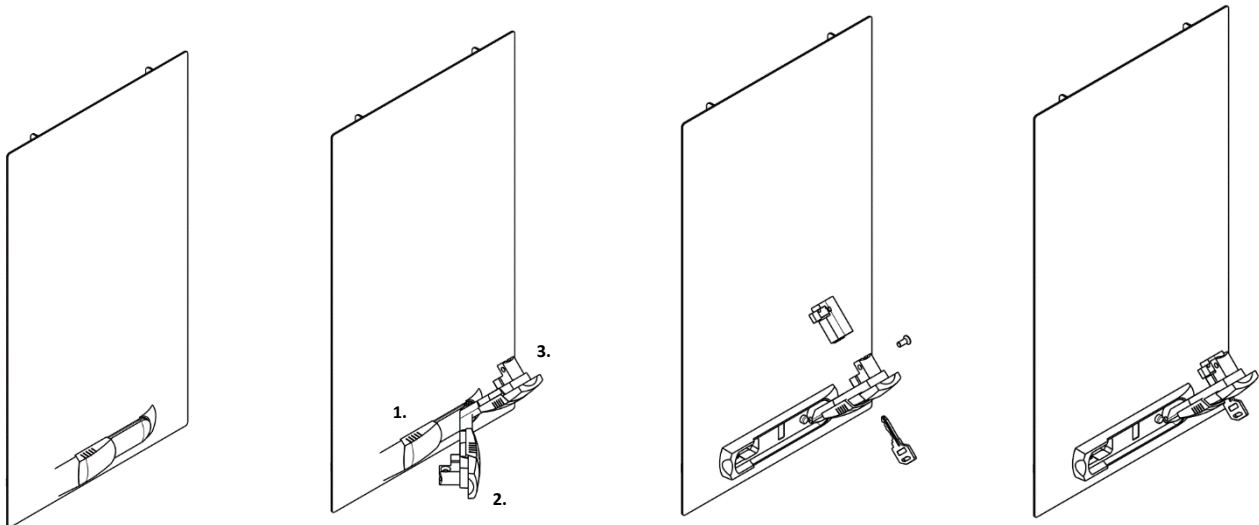
Compatible with *SPELSBERG* distributors AK 12, AK 24, AK-F 42, AK-F 56



## Optional – service flap with rotary looking bolt

### 1. Assembly of the profile half cylinder

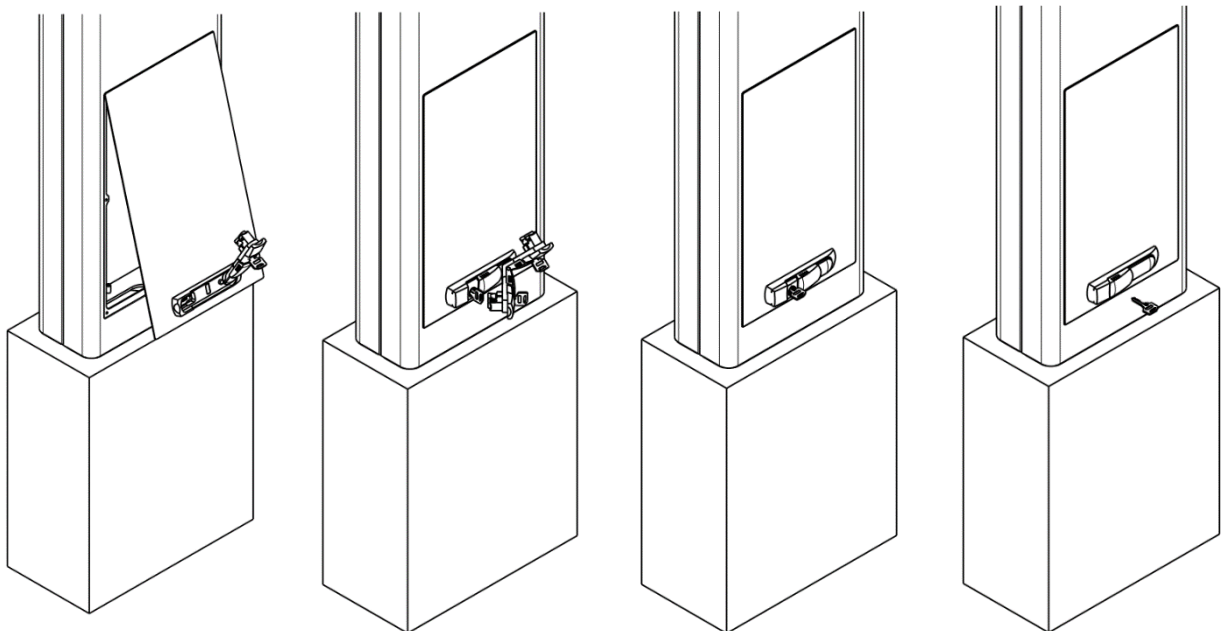
The locking system must be chosen by the customer. The profile half cylinder must be supplied by the customer. Profile half cylinders (DIN 18252) with a length of 40 mm and 45° or 90° locking bar position, cylinder or actuation are used.



**1.1** First, open the swivel lever by approx. 45° to the stop (pos.1 – pos.2). Then rotate the swivel lever by approx. 90° until it stops (pos.2 – pos.3).

**1.2** Insertion of the profile half cylinder from the back into the opening provided for this purpose. Make sure that the closing beard is open at 45° (blocking position). Now the half cylinder can be fixed with the countersunk screw.

### 2. Installation of the maintenance cover



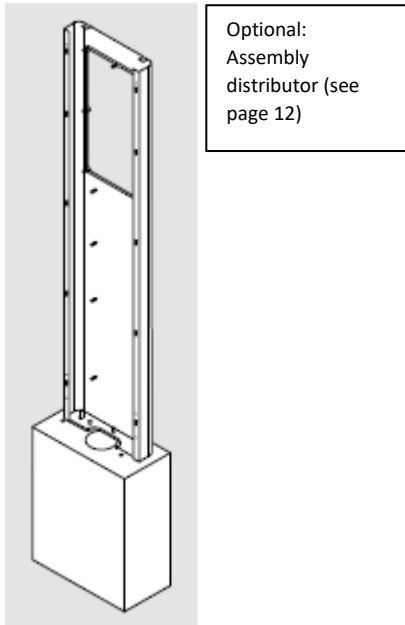
**2.1** First, the maintenance cover is inserted via the grooves of the guide plates on the upper edge of the maintenance opening. The lid can then be swivelled in completely.

**2.2** Close the swivel lever. When threading, make sure that the closing beard is straight.

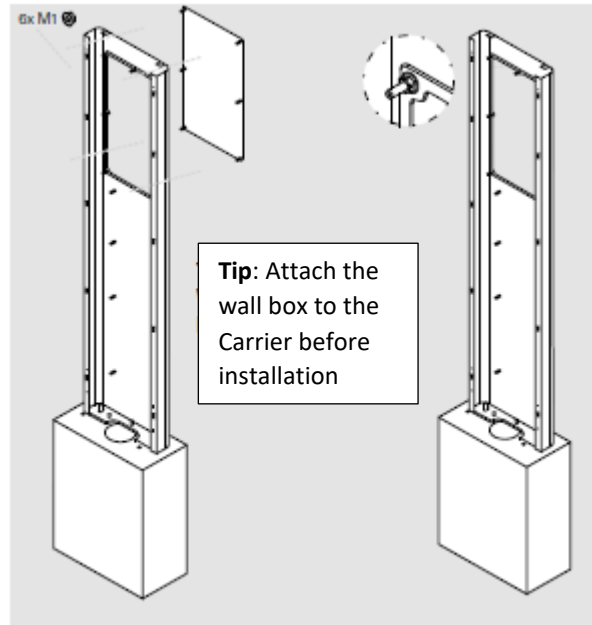
**2.3** Lock and remove key.

## How to install the MK21 SINGLE / MK22 DUPLEX

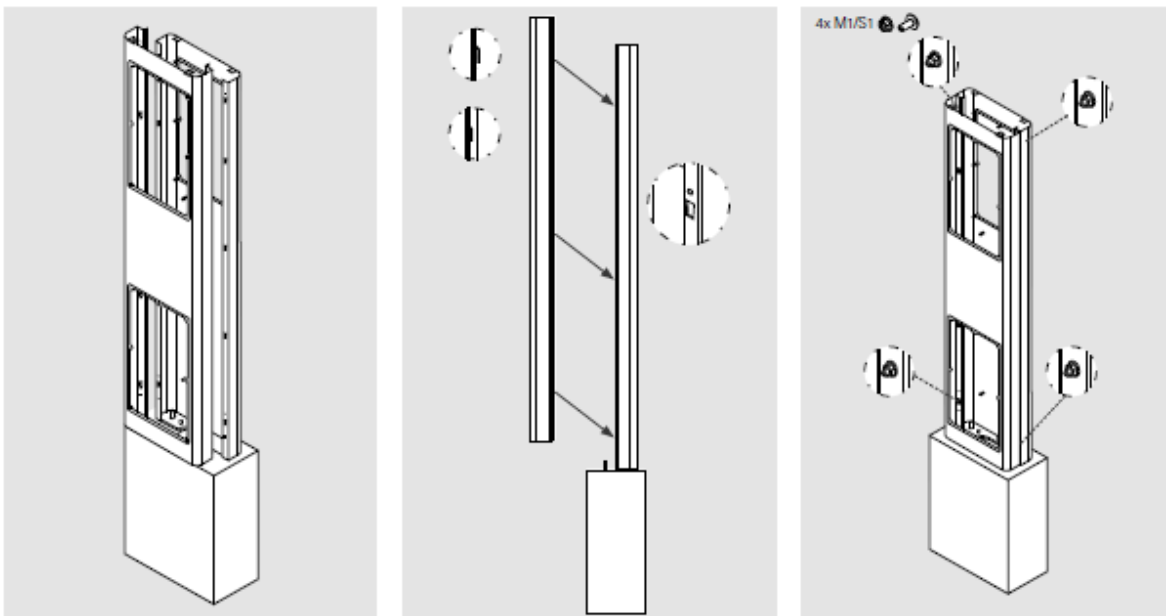
### Assembly of basic element 1 (MK21) or supplementary element 2 (MK22)



### Assembly exchangeable Plate/ Multi Carrier

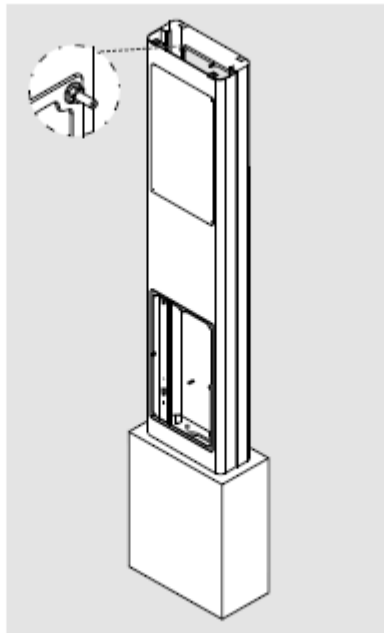
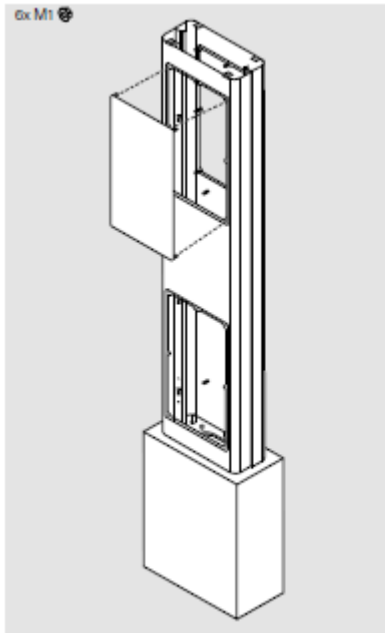


### Assembly basic element



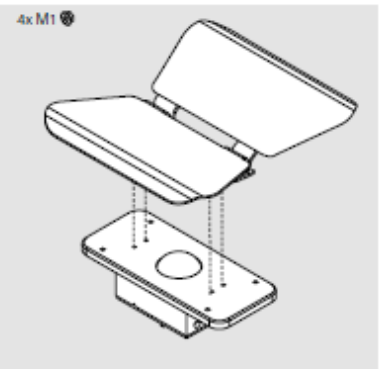
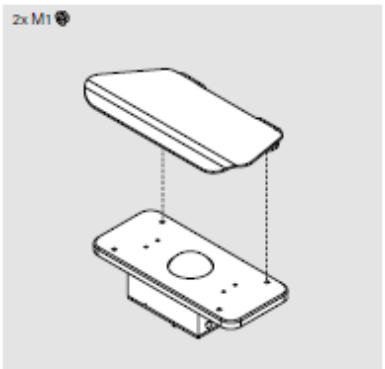
Fastening the basic element to the foundation is required.

**Assembly WALLBOX EXCHANGEABLE PLATE / Multi carrier**



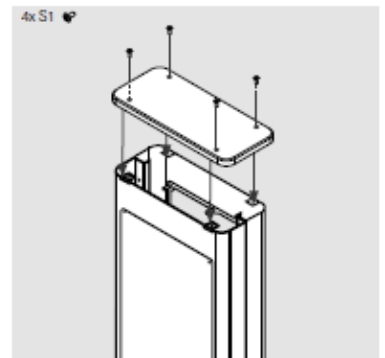
**Tip:** Attach the wall box to the Carrier before installation.

**Assembly ROOF**

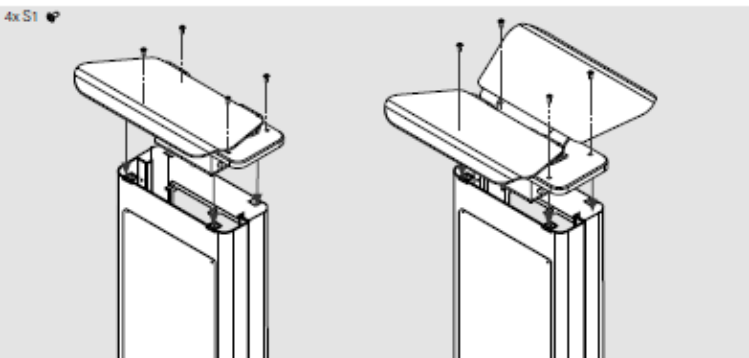


Install the roof using the nut (M1) underneath the cover.

**Assembly CAP**



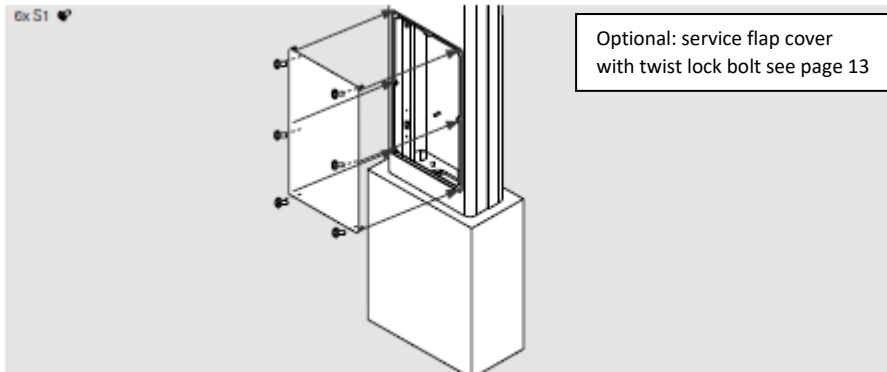
**Assembly TOP**




**! Attention!**

	<p><b>Hint</b></p>	<p>Screws S1 for mounting cap / top must be greased with copper paste for better protection. (Copper paste not included in the scope of delivery)</p>
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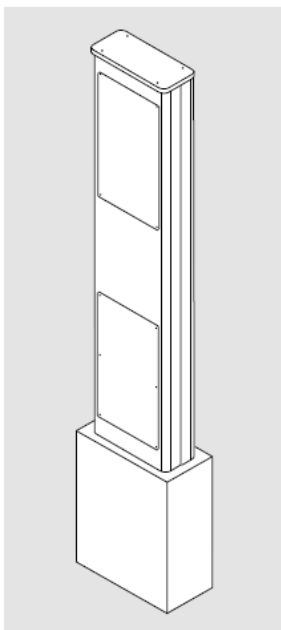
**Assembly service flap**



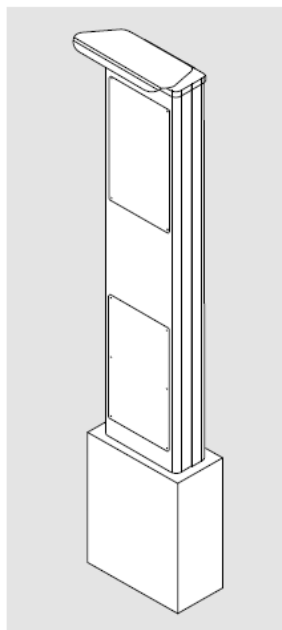
**! Attention!**

	<b>Hint</b>	Screws S1 for installation Maintenance covers must be greased with copper paste for better protection. (Copper paste not included)
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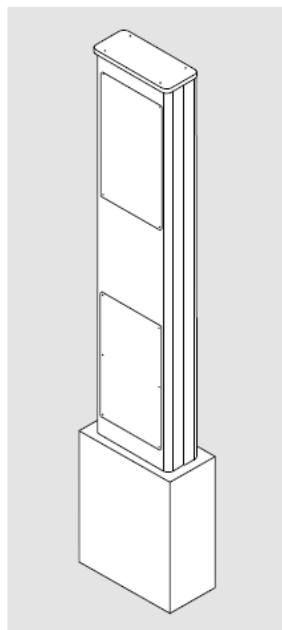
**WALLBOX CARRIER  
MK21 SINGLE – CAP**



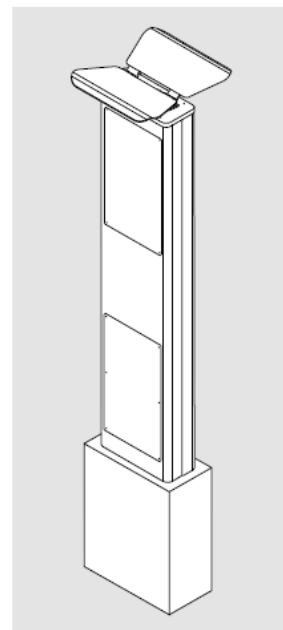
**WALLBOX CARRIER  
MK21 SINGLE – ROOF**



**WALLBOX CARRIER  
MK22 DUPLEX – CAP**



**WALLBOX CARRIER  
MK22 DUPLEX – ROOF**

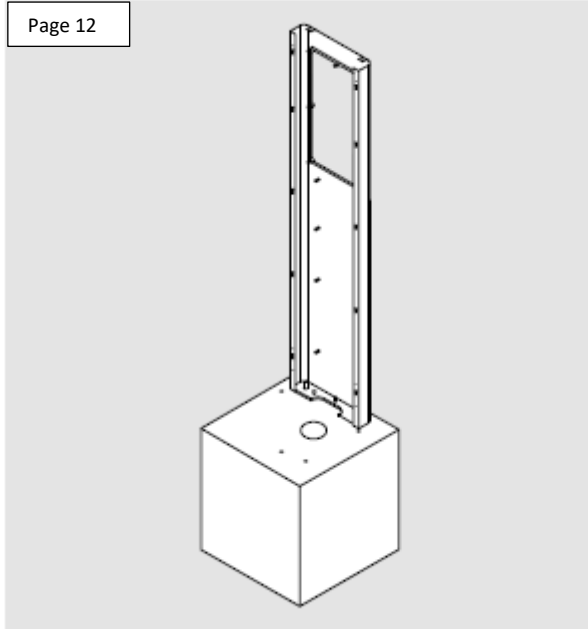




## How to install the WALLBOX CARRIER MK23 DELTA

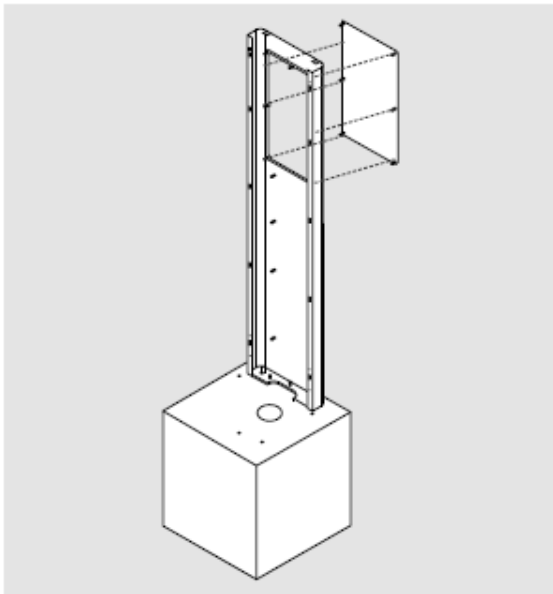
### Assembly of supplementary element 2

Page 12

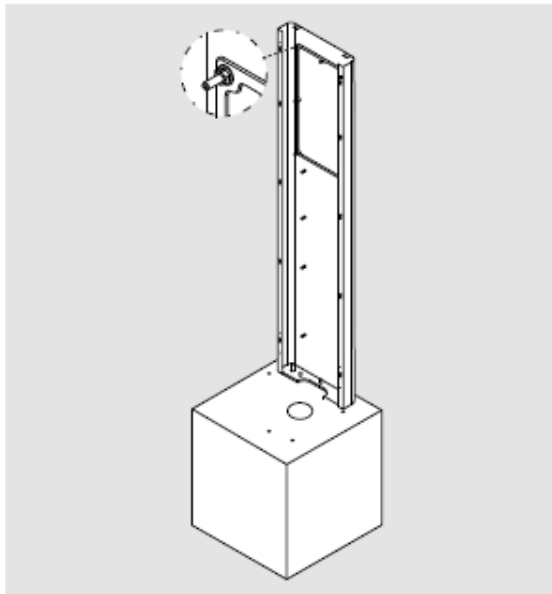


Optional: Assembly distributor see page 12

### Assembly WALLBOX EXCHANGEABLE PLATE / Multi Carrier

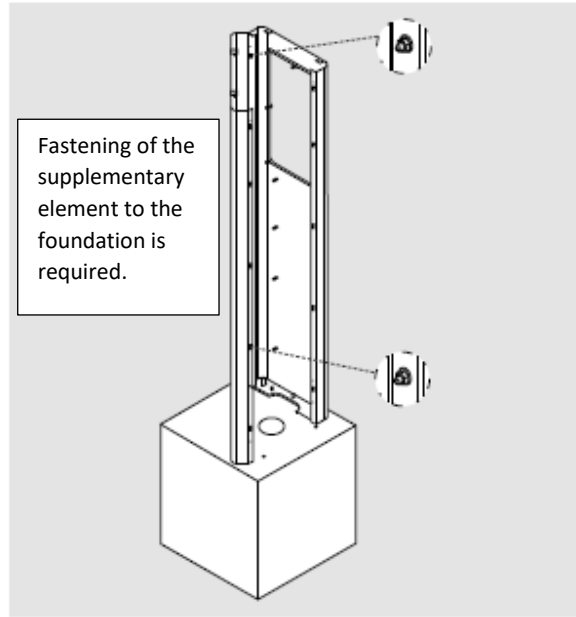
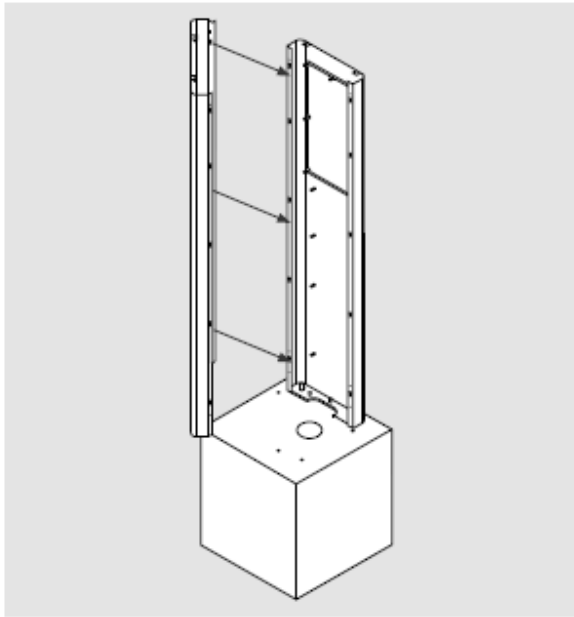


**Tip:** Attach the wall box to the carrier before installation

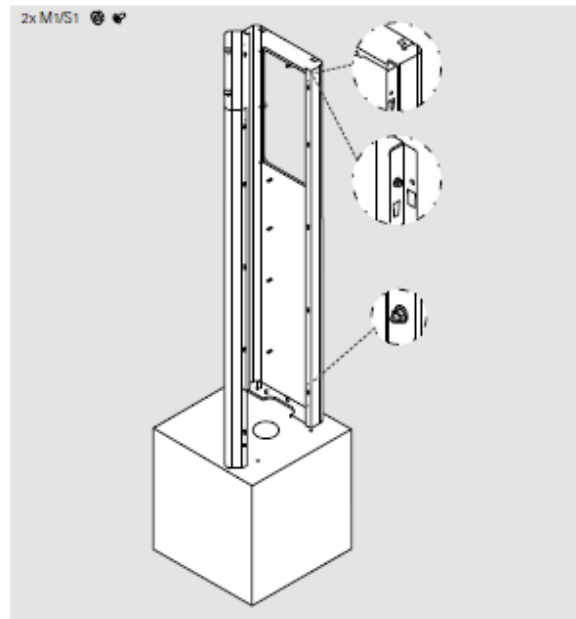
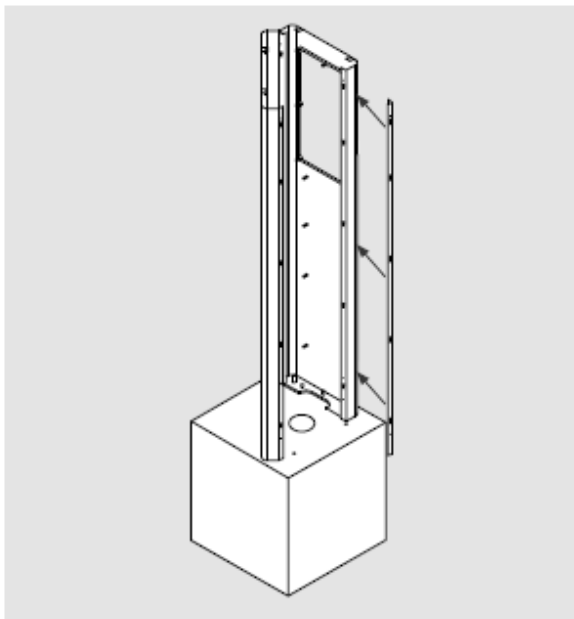


Fastening the basic element to the foundation is required.

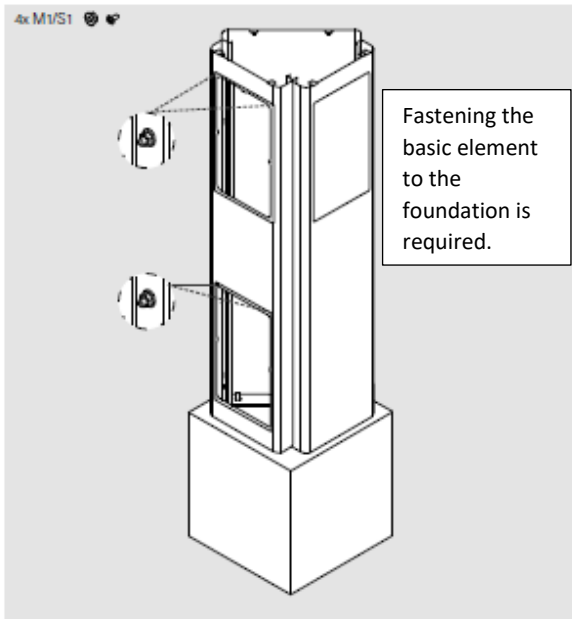
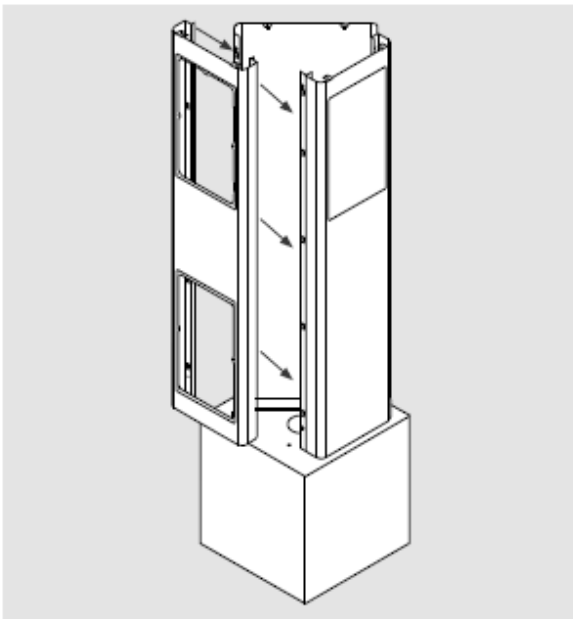
**Assembly supplementary element 4**



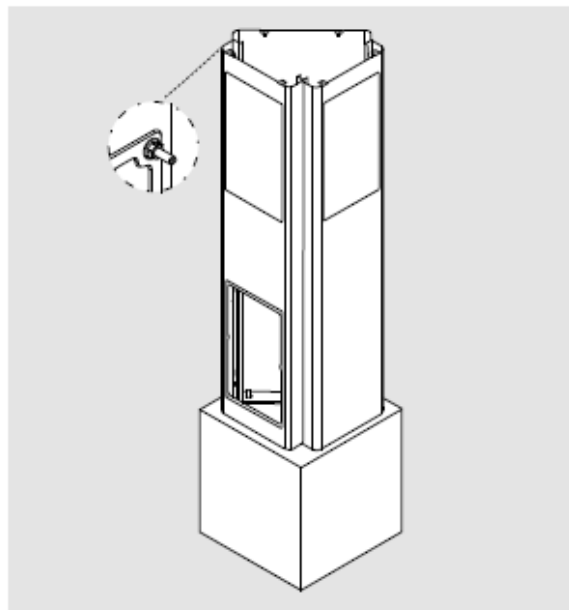
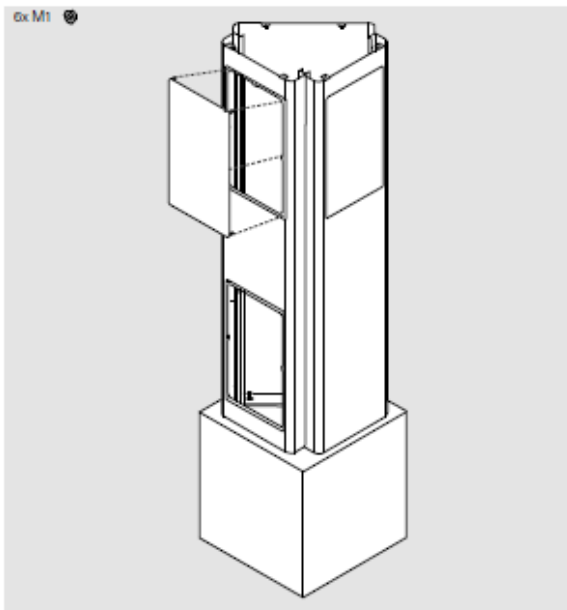
**Assembly supplementary element 3**



**Assembly basic element**

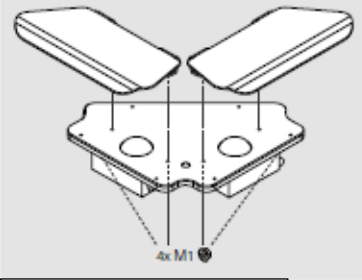


**Assembly WALLBOX EXCHANGABLE PLATE / Multi Carrier**



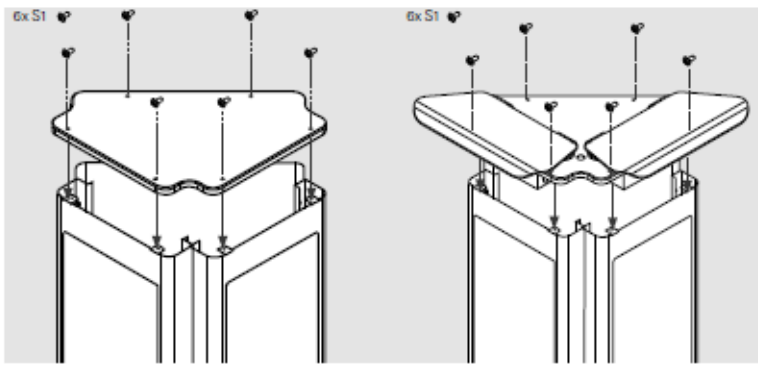
### Assembly ROOF

Install the ROOF using the nut (M1) underneath the cover.



optional for "TOP" version

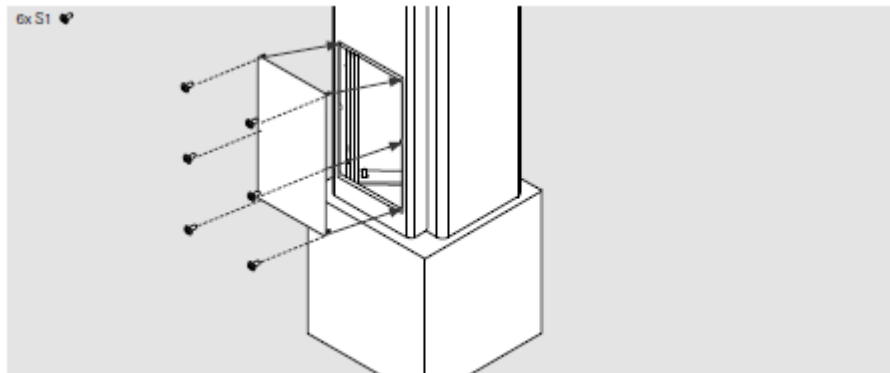
### Assembly CAP or ROOF



#### Hint

Screws S1 for mounting CAP/TOP must be greased with copper paste for better protection. (Copper paste not included)

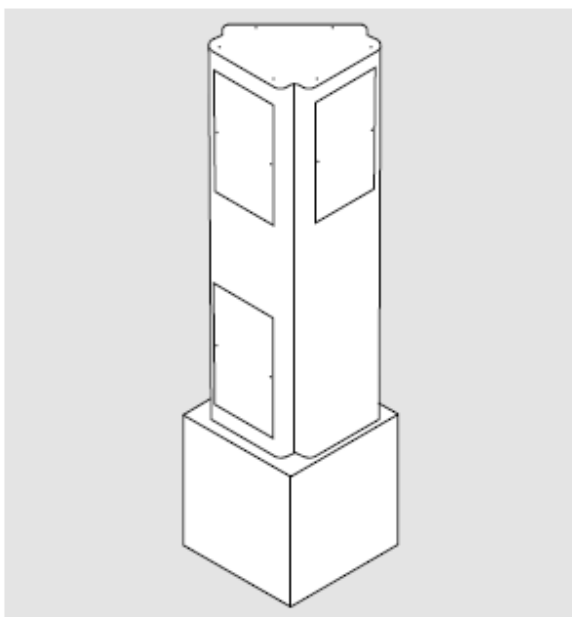
### Assembly the service flap



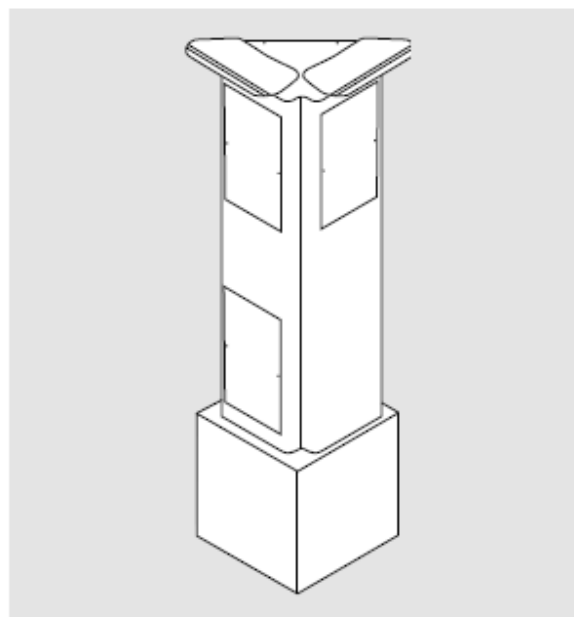
#### Hint

Screws S1 for installation Maintenance covers must be greased with copper paste for better protection. (Copper paste not included)

### WALLBOX CARRIER MK23 DELTA – CAP

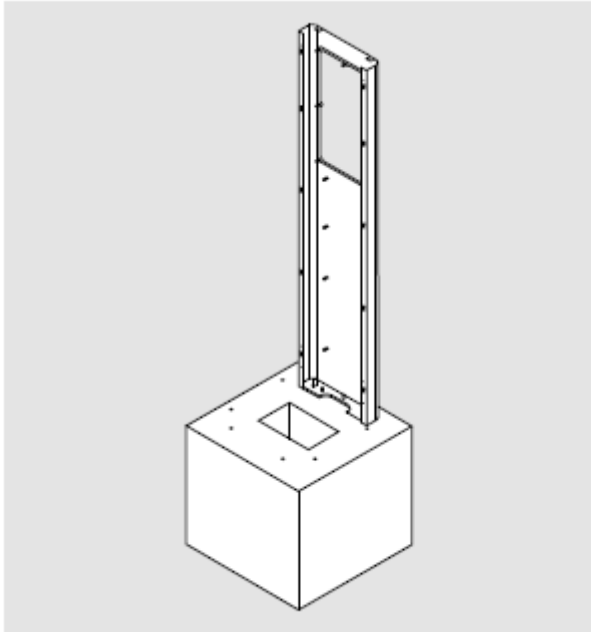


### WALLBOX CARRIER MK23 DELTA – ROOF



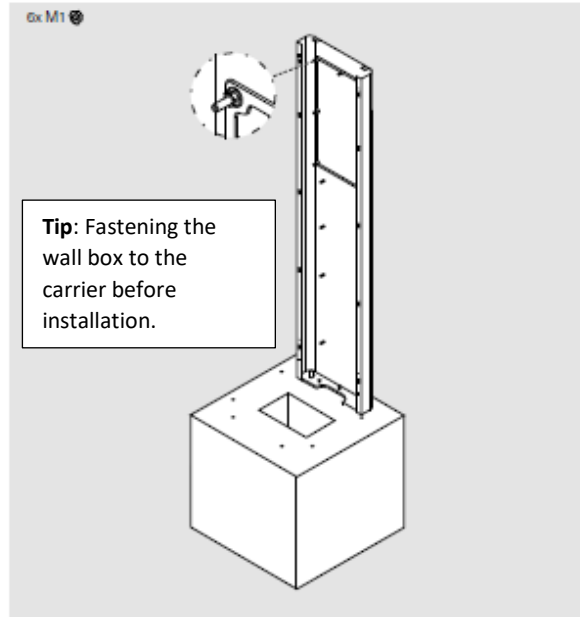
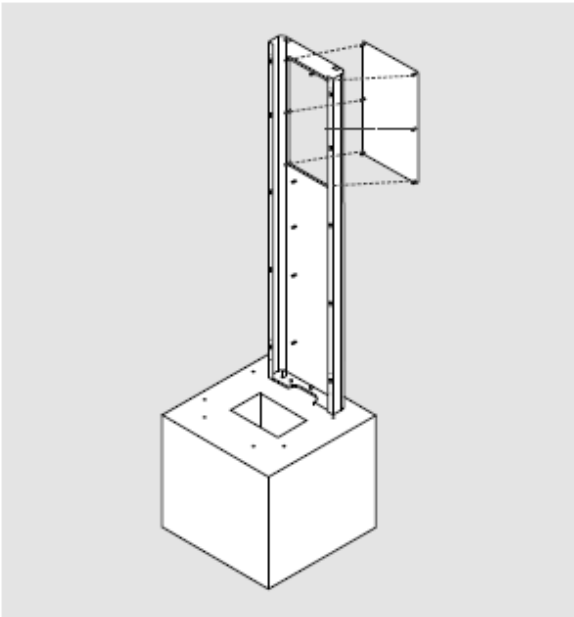
## How to install the WALLBOX CARRIER MK24 QUATTRO

### Assembly of supplementary element 2

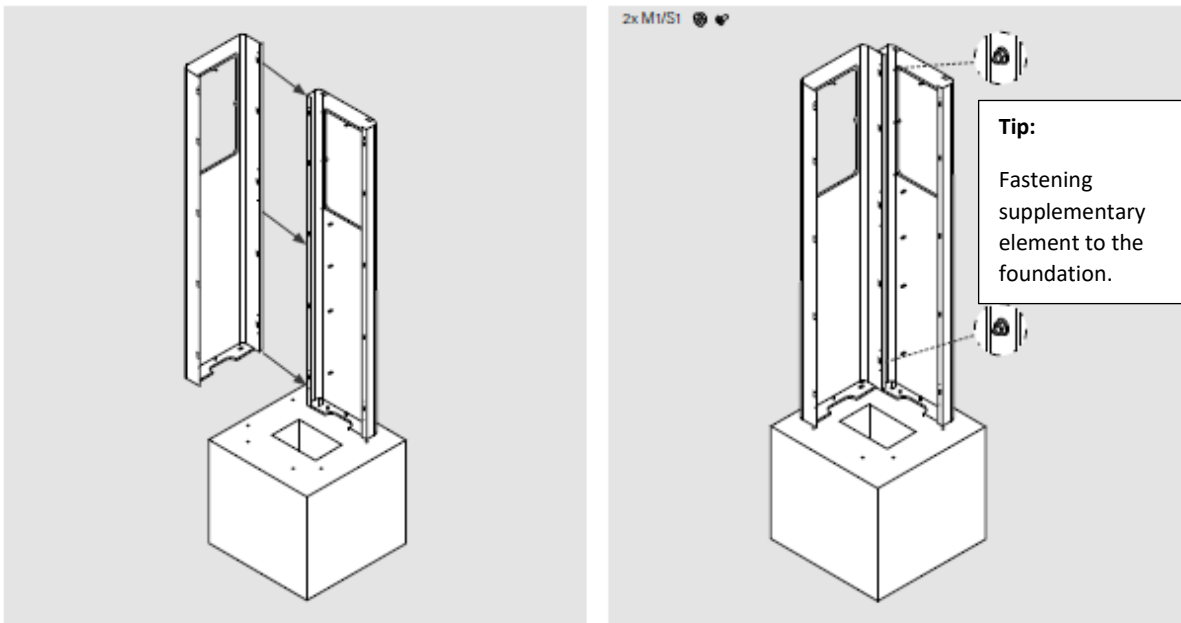


Optional: Assembly distributor  
see page 1

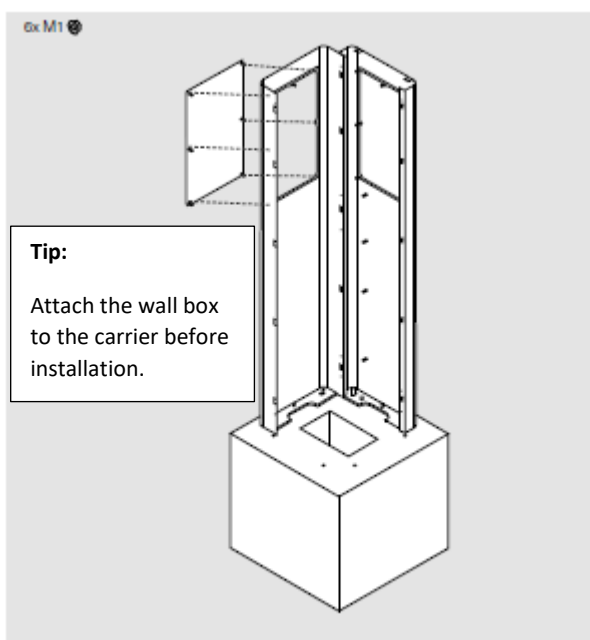
### Assembly the WALLBOX EXCHANGEABLE PLATE / Multi Carrier



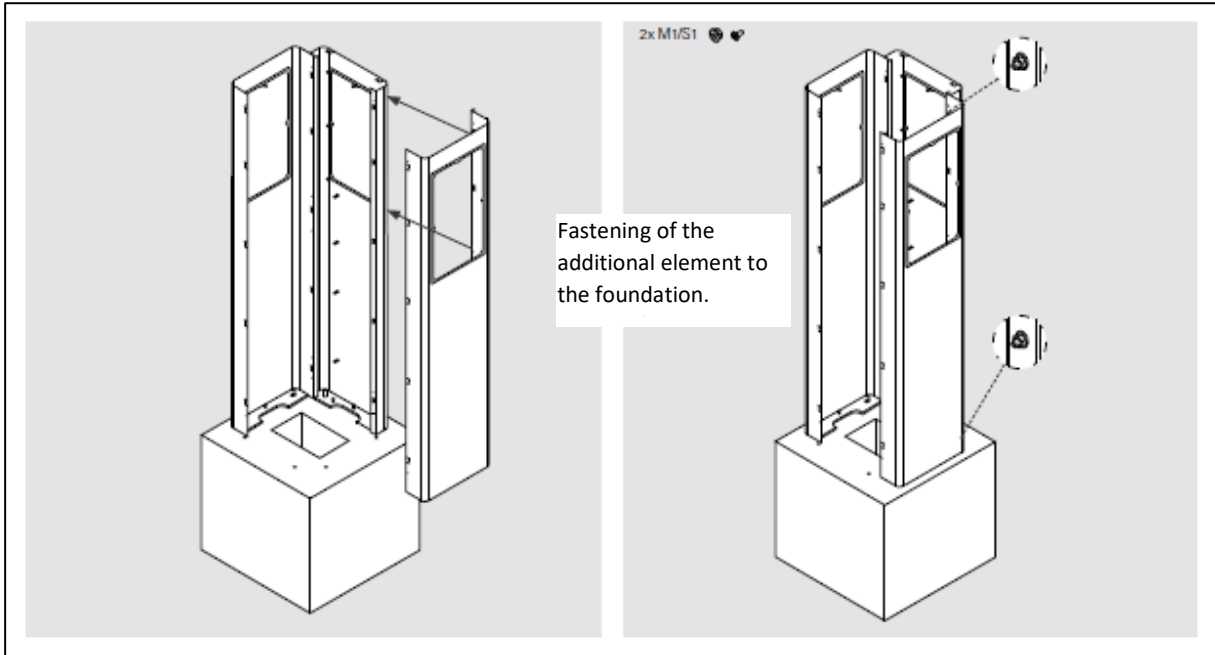
### Assembly of supplementary element 5



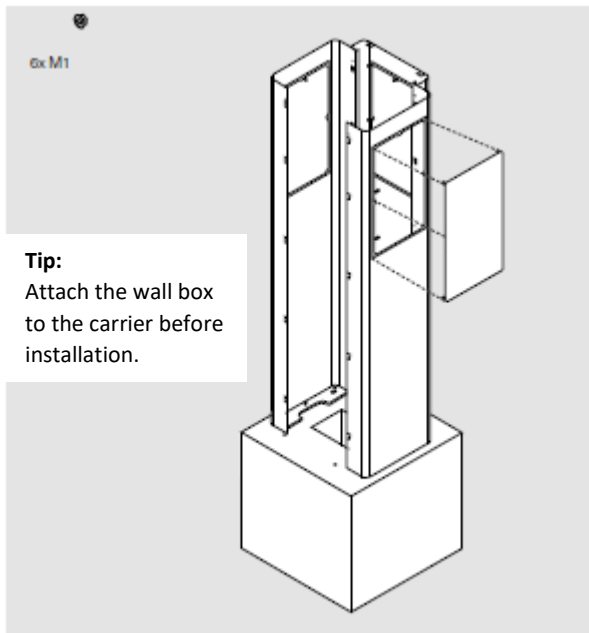
### Assembly WALLBOX EXCHANGEABLE PLATE / Multi Carrier



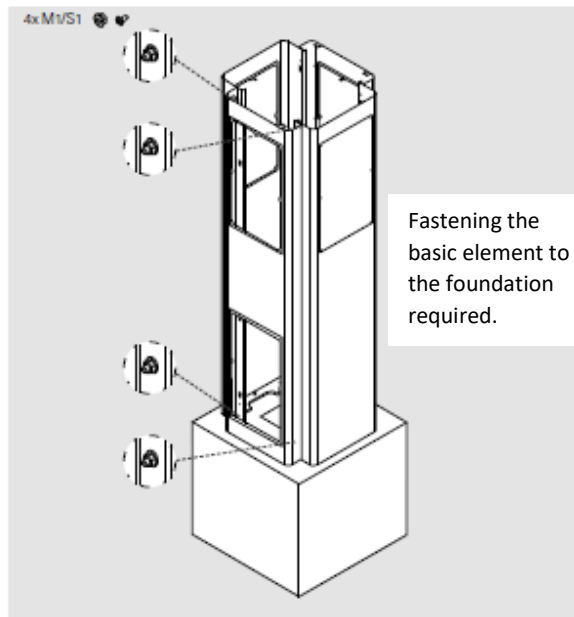
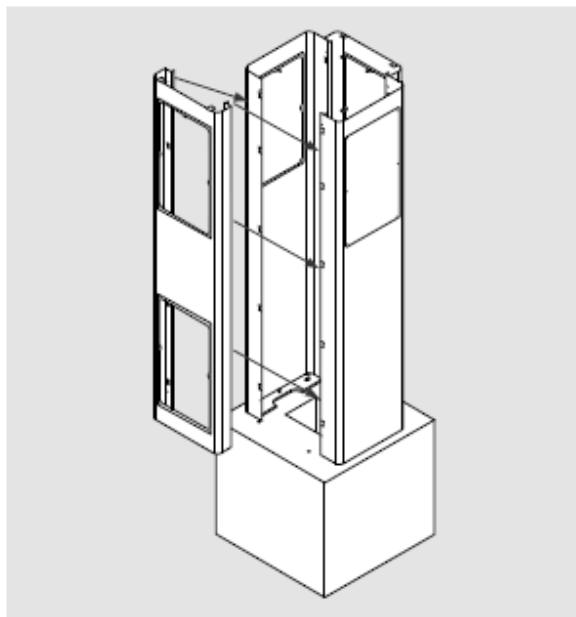
### Mounting additional element 6



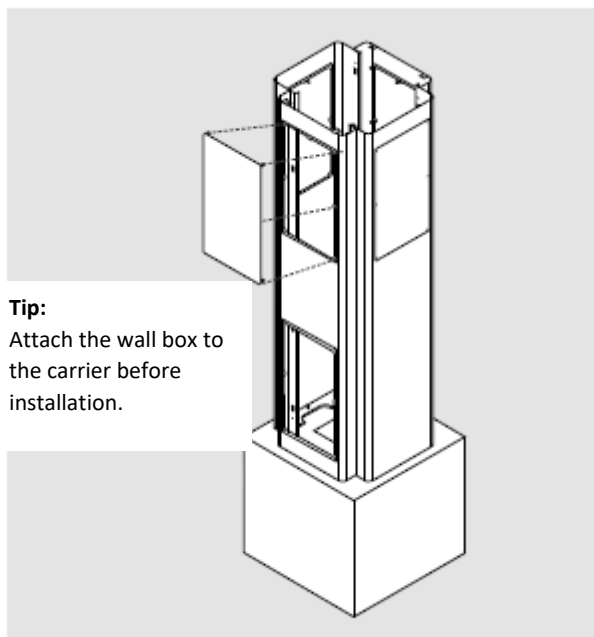
### Assembly WALLBOX EXCHANGEABLE PLATE / Multi Carrier



### Assembly of basic element



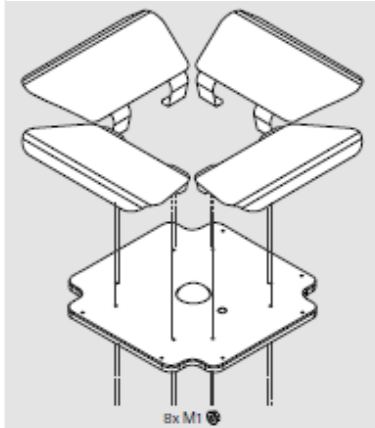
### Assembly the WALLBOX EXCHANGEABLE PLATE / Multi Carrier





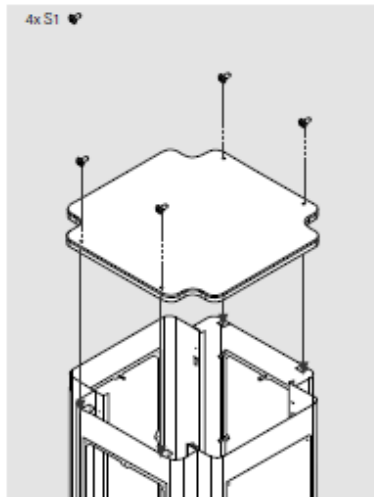
**ROOF assembly**

Install the roof using the nut (M1) underneath the cover

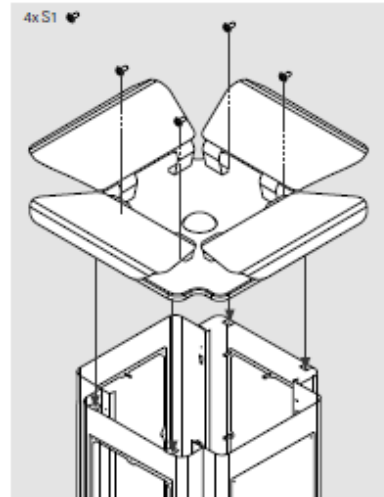


optional für „Top“-Variante!

**CAP assembly**



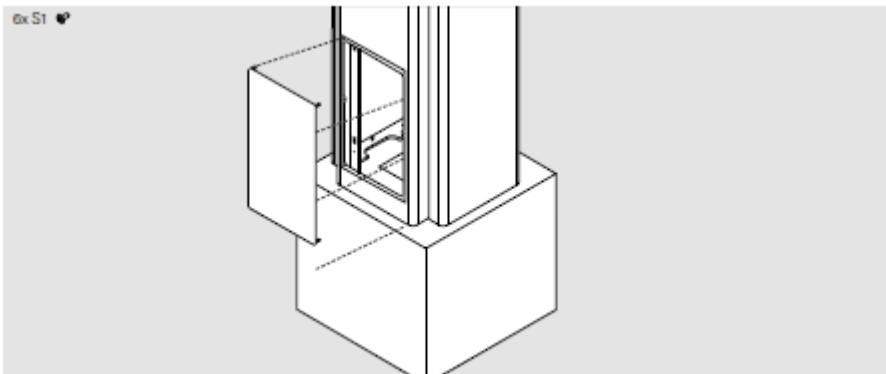
**ROOF assembly**



Hint

Screws S1 for mounting cap/top must be greased with copper paste for better protection. (Copper paste not included)

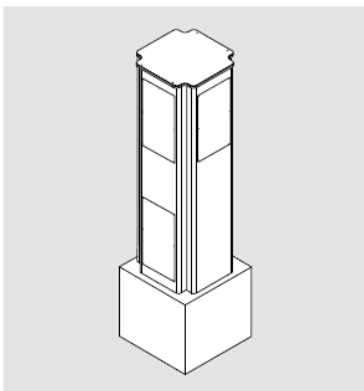
**SERVICE FLAP assembly**



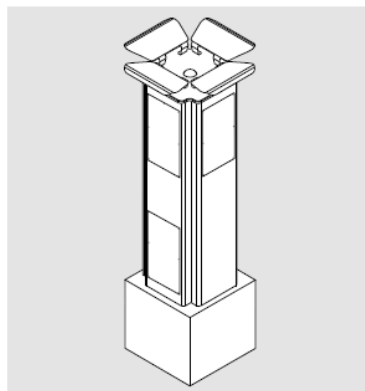
Hint

Screws S1 for installation Maintenance covers must be greased with copper paste for better protection. (Copper paste not included)

**WALLBOX CARRIER  
MK24 QUATTRO – CAP**



**WALLBOX CARRIER  
MK24 QUATTRO - ROOF**



## Technical data

MK21 SINGLE CAP / ROOF	
weight	19,5 kg (22,55kg)
dimensions	1481,5 x 339 x 149 mm (1577,9 x 414,4 x 268,3 mm)
cross-section of the earthing cables	2,5 mm <sup>2</sup>
material	KTL + powder-coated steel
colour	DB702 + DB703
MK22 DUPLEX CAP / ROOF	
weight	19,5 kg (24,75 kg)
dimensions	1481,5 x 339 x 149 mm (1577,9 x 414,4 x 467,6 mm)
cross-section of the earthing cables	2,5 mm <sup>2</sup>
material	KTL + powder-coated steel
colour	DB702 + DB703
MK23 DELTA CAP / ROOF	
weight	35,2 kg (42,2 kg)
dimensions	1481,5 x 438,3 x 438,4 mm (1577,9 x 579,6 x 579,6 mm)
cross-section of the earthing cables	2,5 mm <sup>2</sup>
material	KTL + powder-coated steel
colour	DB702 + DB703
MK24 QUATTRO CAP / ROOF	
weight	40,1 kg (46,05 kg)
dimensions	1481,5 x 479 x 479 mm (1577,9 x 747,6 x 747,6 mm)
cross-section of the earthing cables	2,5 mm <sup>2</sup>
material	KTL + powder-coated steel
colour	DB702 + DB703

## Decommissioning of the WALLBOX CARRIER

If the WALLBOX CARRIER is to be taken out of service, this must be done by an authorised electrician.

- Decommission the charging stations according to the operating and installation instructions.
- Disassembling the WALLBOX CARRIER: Carry out the steps in these instructions in reverse order.

## Disposal

**Packaging:** The packaging is made of paper/cardboard only. It can therefore be disposed of as wastepaper.

**Product:** The metal components can be disposed of as scrap metal. Electrical components should be disposed of as electrical waste in accordance with the manufacturer's instructions.

**All disposal operations are subject to the currently applicable country-specific guidelines, regulations, and laws!**

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## Notes

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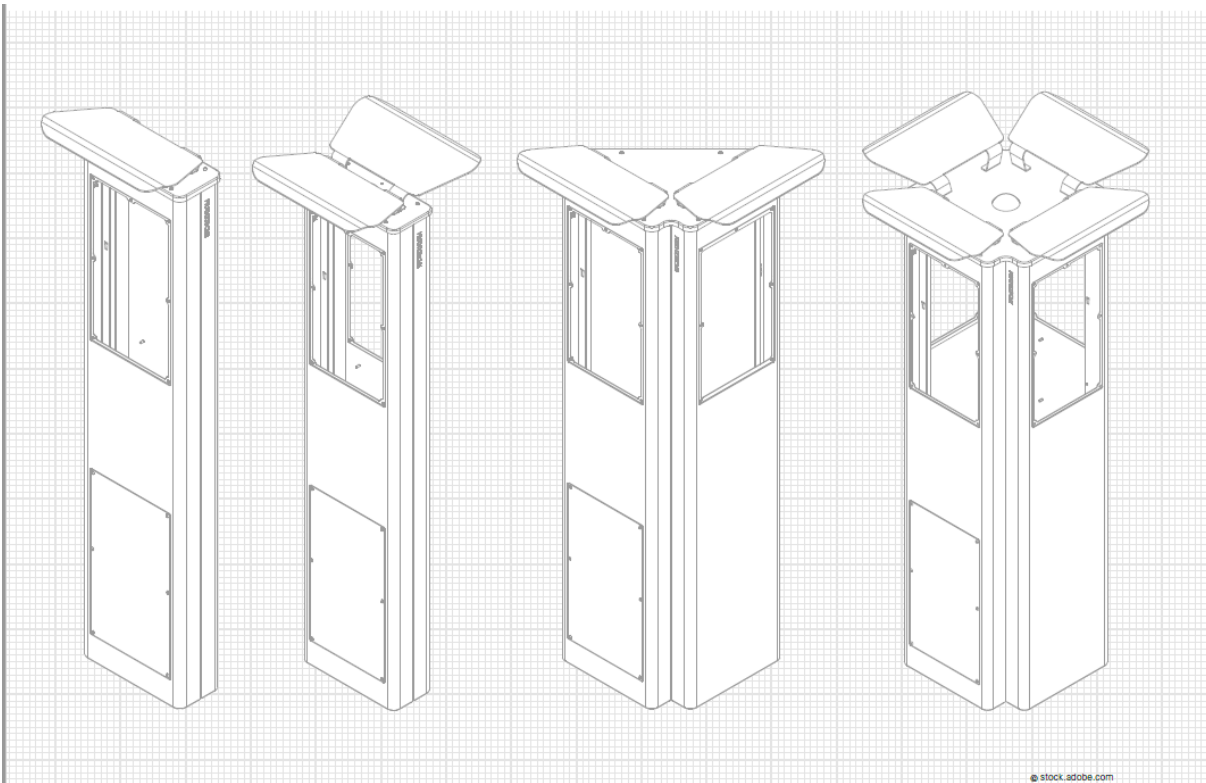
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Rev. 02 | 08.05.24 | Subject to change |