

Assembly instructions





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Warnings and symbols

- These instructions contain information about possible dangers that could arise with incorrect use and/or improper behaviour.

A distinction is made between the following:

Danger!

Failure to observe the warning can cause severe personal injury and/or serious material damage!

Caution!

Failure to observe the instructions can cause personal injury and/or material damage!

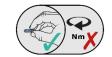


Failure to do so can result in material damage!

Information!

Recommendations and useful hints!

Symbols



This symbol indicates that the screw fixing is only to be tightened hand-tight!

Information on the document

Caution!

Injury from lifting too heavy a load

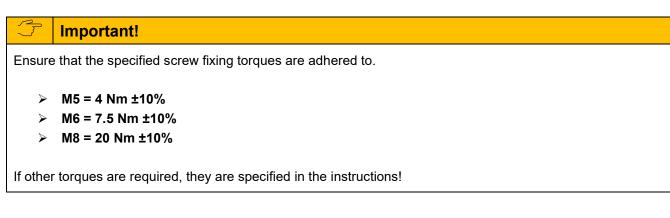
The van racking system may be too heavy for one person, depending on the configuration.

- Installation should be carried out by two people.
- Make sure that your working environment is safe.

Information!

Depending on the configuration, several van racking systems are included in the delivery. We recommend that you install them separately from each other.





Safety labels

Dangerous situations cannot be avoided if safety labels are illegible or missing from the product.

Adhesive labels

Caution!

There are adhesive labels affixed at various points in the vehicle. These adhesive labels act as guides. The adhesive labels must be legible; if they are not legible, they must be replaced.

Personal configuration

i) Information!

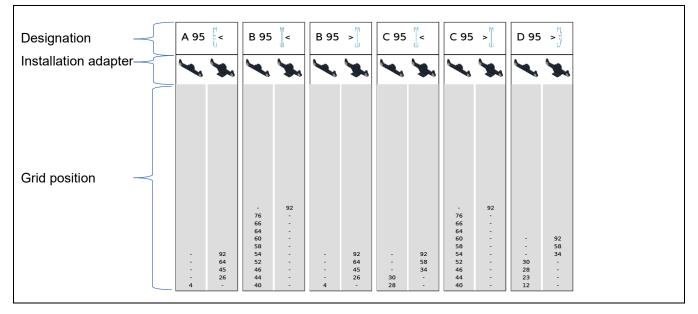
The "Personal configuration" document is included with delivery. This document contains additional information about the installation of your personal configuration. The parts of this document are described below.



When the following symbol appears, the corresponding information must be taken from the "Personal configuration" document.

Intermediate view

The intermediate view shows the position of the installation adapters for the respective profile of the configuration.





Installation adapter:

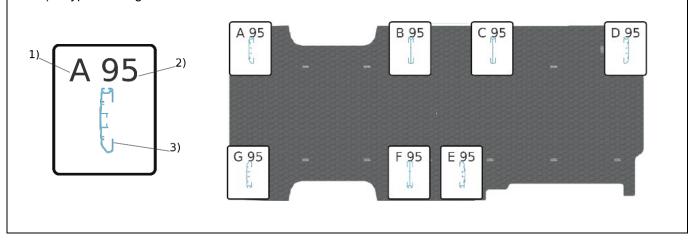
Installation adapter with lug: The installation adapter with lug is solely used to attach shelves.	
Installation adapter without lug: The installation adapter is used to install the remaining elements, e.g. frame or frame traverse.	

SoboPro top view

This view shows the SoboPro, side profiles and intermediate profiles from above.

The side and intermediate profiles are clearly marked. This illustration also provides the height information for the individual side and intermediate profiles.

- 1) Designation
- 2) Height
- 3) Type and alignment



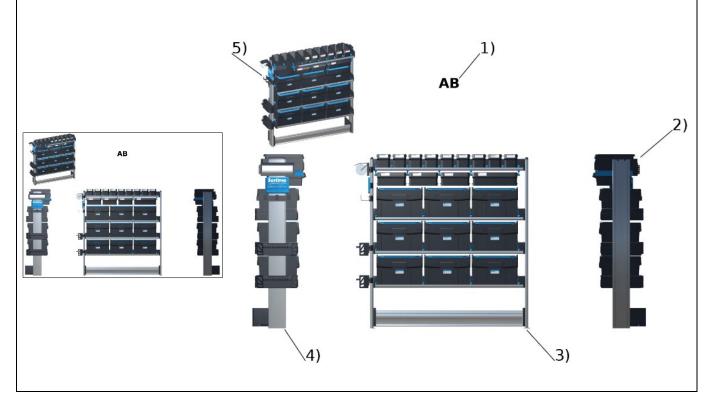


Overall view

The overall view shows the van racking system from each side and in the isometric view each field is displayed separately.

The designation of the field comes from the respective profile pairs.

- 1) Field designation
- 2) Right side view
- 3) Front view
- 4) left side view
- 5) Isometric view





Installing the SoboPro

Laying the floor cladding:

 $\overline{\mathbf{r}}$

Important!

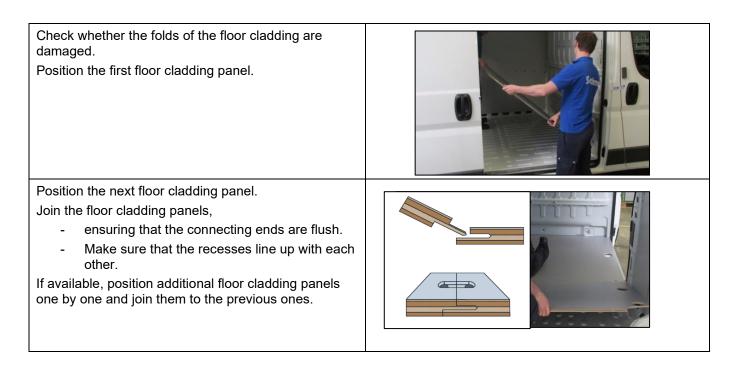
Material damage caused by rough handling.

The connection folds of the floor cladding are sensitive to impacts and crushing.

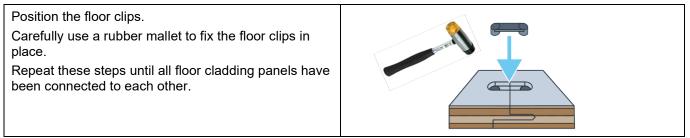
- Connect the floor cladding carefully.

(i) Information!

The floor cladding is laid from the partition to the rear of the vehicle.



Attaching floor clips:





Levelling and aligning the floor cladding panels:

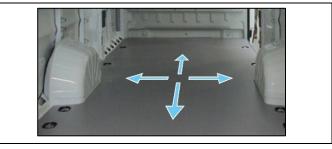
(i) Information!

The floor must have the same gap from the vehicle chassis in all directions.

The following can be of assistance in this regard:

- Lashing points,
- Wheel housings.

Level and align joined floor cladding panels.



Attaching lashing eyes:

Information!		
The floor cladding requires a lashing cup to be fitted.		
Shims may be needed to raise the lashing cup depending on the floor of the vehicle body.		
Select the number of shims to ensure that the floor cladding is lightly compressed.		

Assign the lashing eyes with their original screws to the original positions.	
Calculate the number of shims required.	

Important!

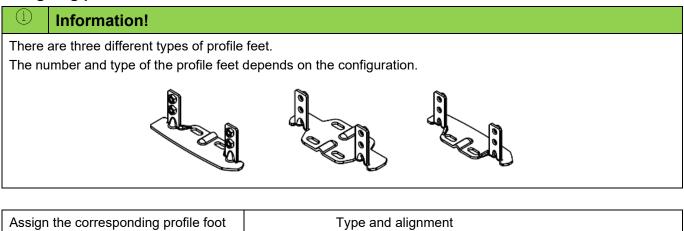
Tighten the original screws using the required torque.

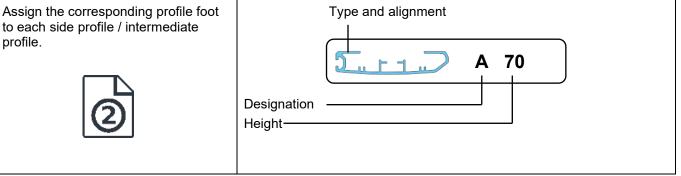
- The respective torque can be found in the manufacturer's set-up guidelines.



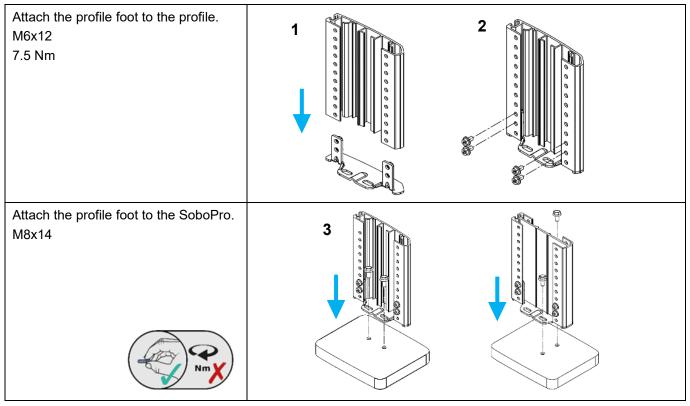
Preparing profiles

Assigning profile feet:





Attaching profile feet





Positioning the installation adapter

Information!

Determine the position.

There are two different installation adapters.

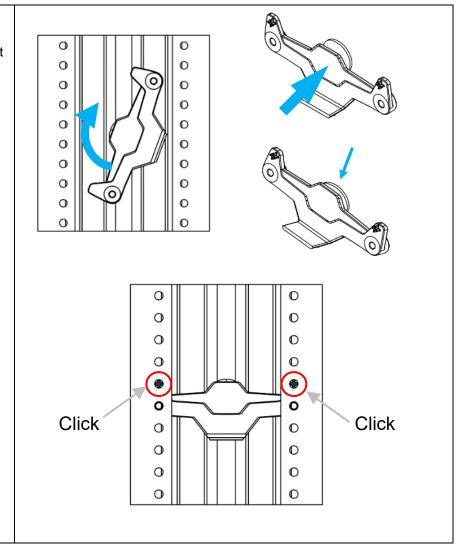
The symbol indicates which installation adapter should be used.

The Sortimo folding ruler supplied can be used to measure the grid height.

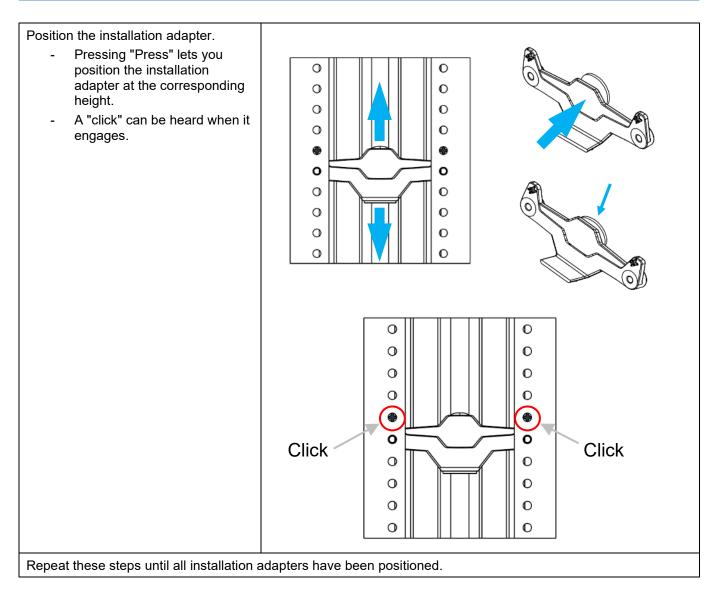


Insert the installation adapter into the profile.

- A "click" can be heard when it engages.









Attaching components

Stability criteria

(i) Information!

The rules for installing stabilising components must be observed to ensure stability within a field. Stabilising components include:

- Shelves (shelf, shelf with border, shelf tray)
- Frame

Whether and which stabilising components are required depends on the configuration of the van racking system. The following elements are decisive:

- Drawers
- MultiSlide
- SR drawers
- Case rail

Rule: The following rules apply and each field must be taken into account separately.

- Rule A: If more than two of the decisive elements listed above are installed, then at least
 - two shelves or
 - one shelf and one frame

must be installed. Rear wall profiles also need to be fitted, taking into account the permissible installation options for the rear wall profiles.

Rule B: Each of the decisive elements listed above has a specific grid height. If several of these elements are installed and the total grid height of these elements is equal to or more than 60, then:

- two frames and one shelf

must be installed. Rear wall profiles also need to be fitted, taking into account the permissible installation options for the rear wall profiles.

Rule C: If up to a max. of two of the decisive elements listed above are installed, then at least

- two shelves or
- one shelf and one frame

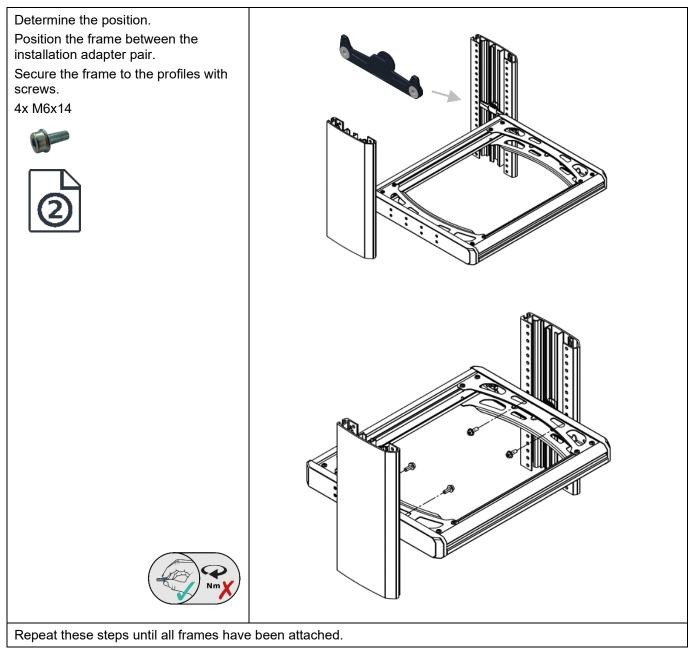
must be installed. In this case, no rear wall profiles are required for stability, provided that the shelf or BOXX frames can be connected directly to the vehicle wall.

(i) Information!

Certain elements are not included in the delivery, depending on the configuration.

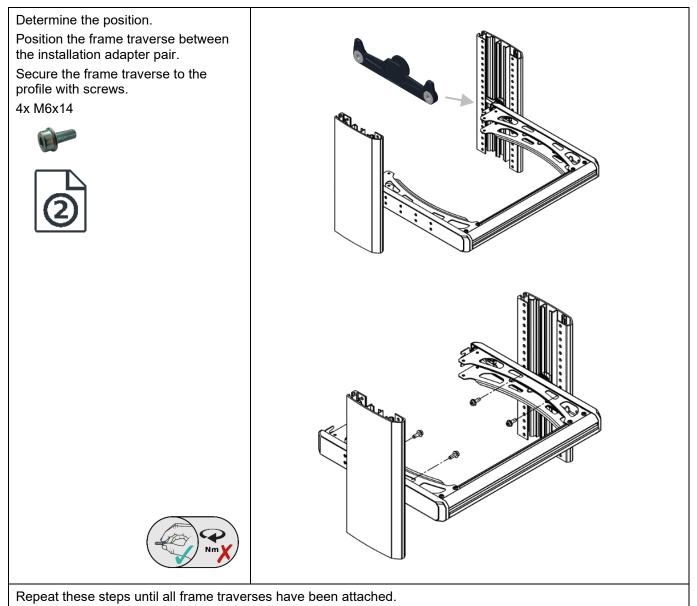


Frame



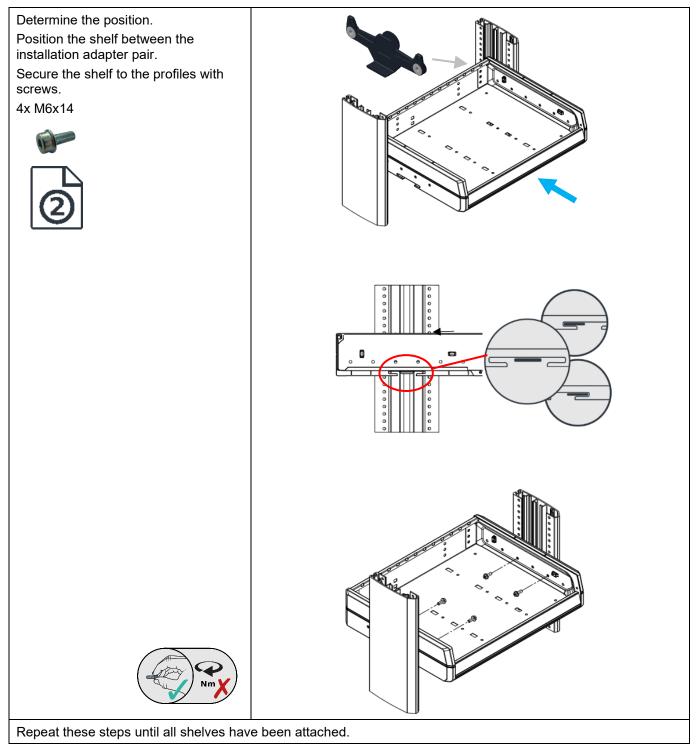


Frame traverse



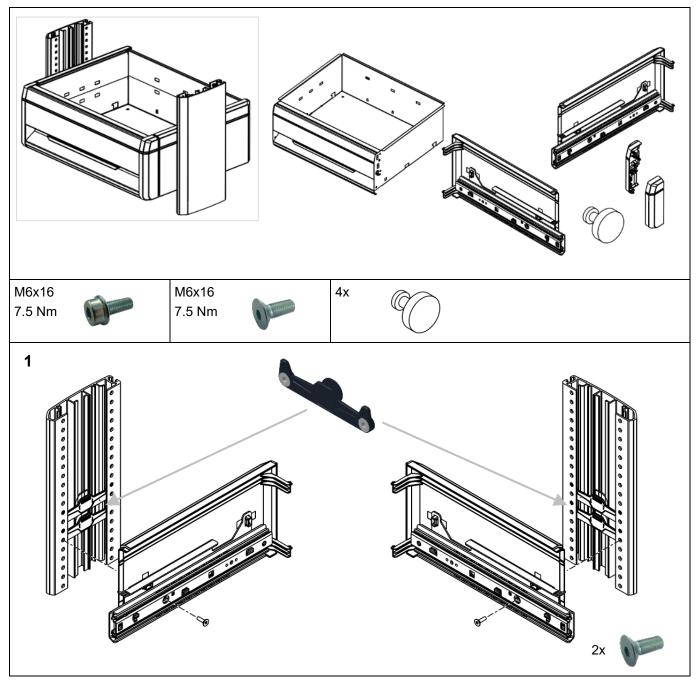


Shelves

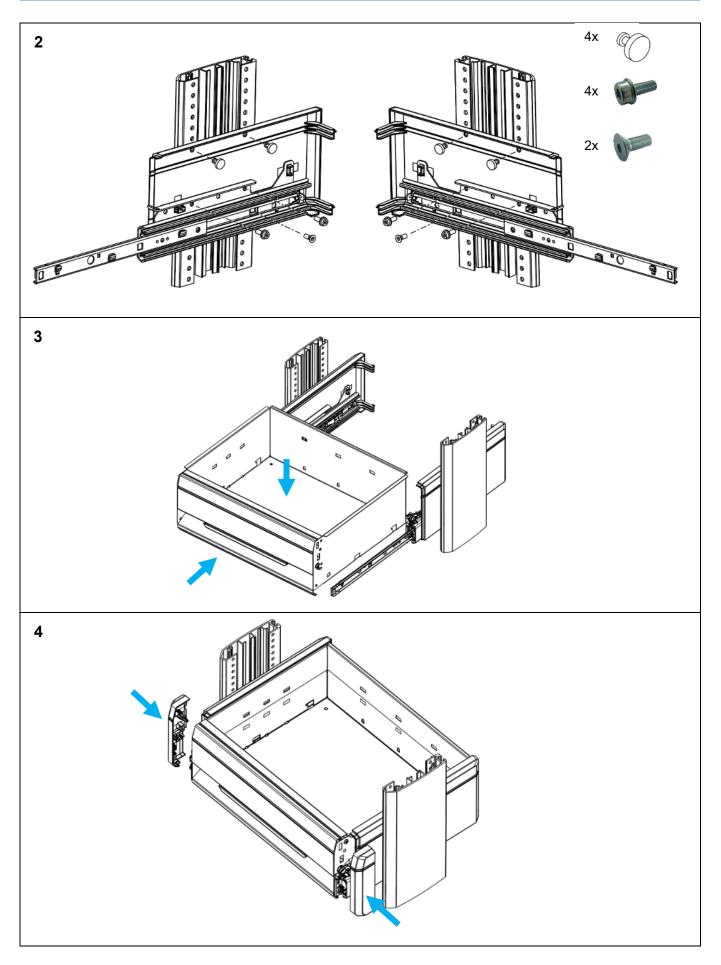




Installing H8/H10/H12 drawers

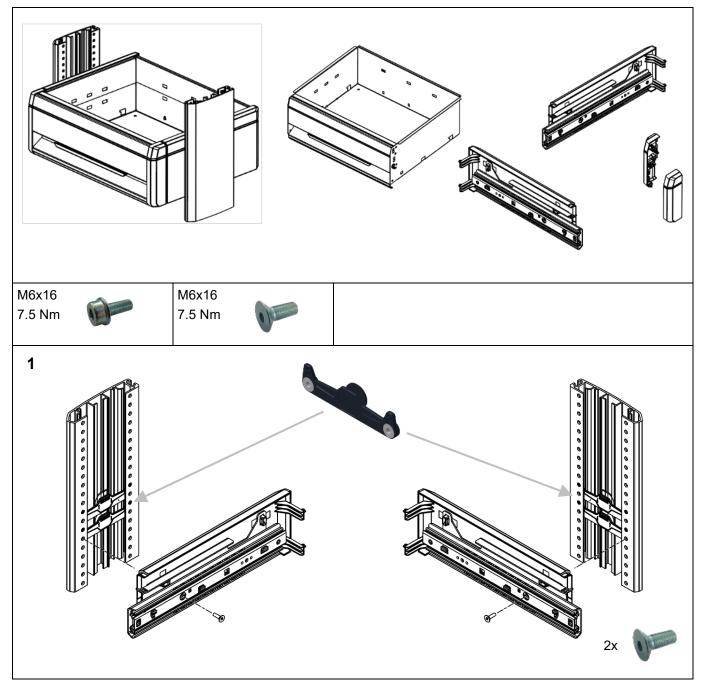




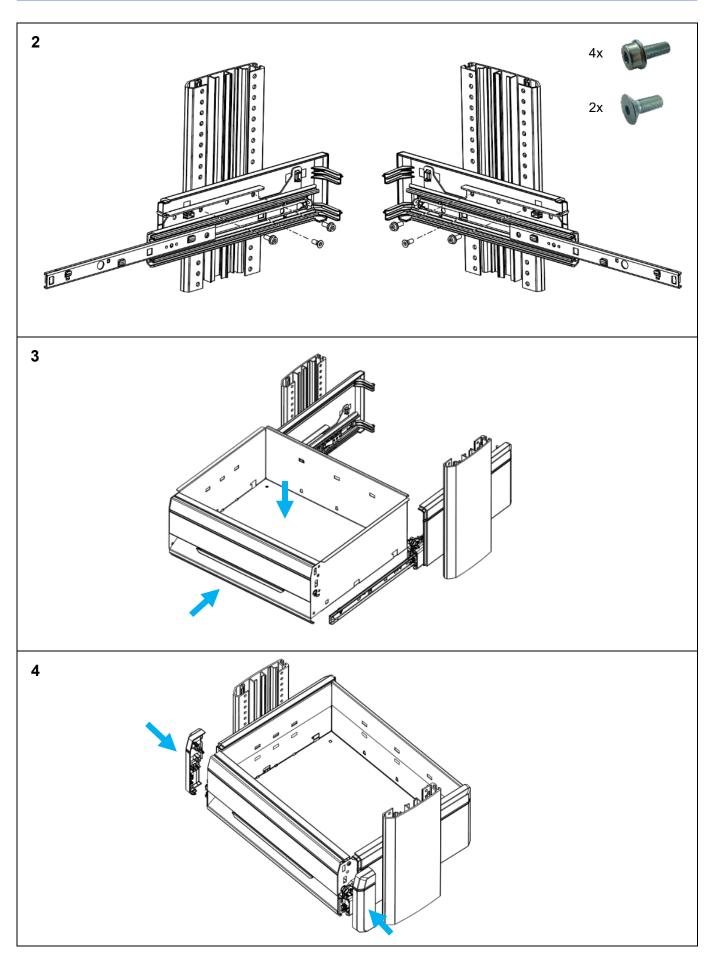




Installing H6 drawers

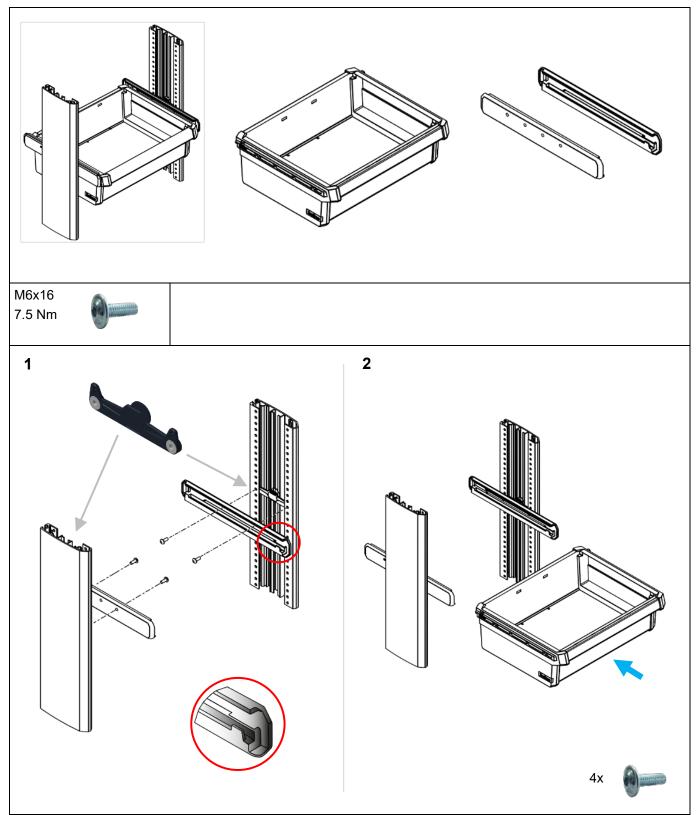






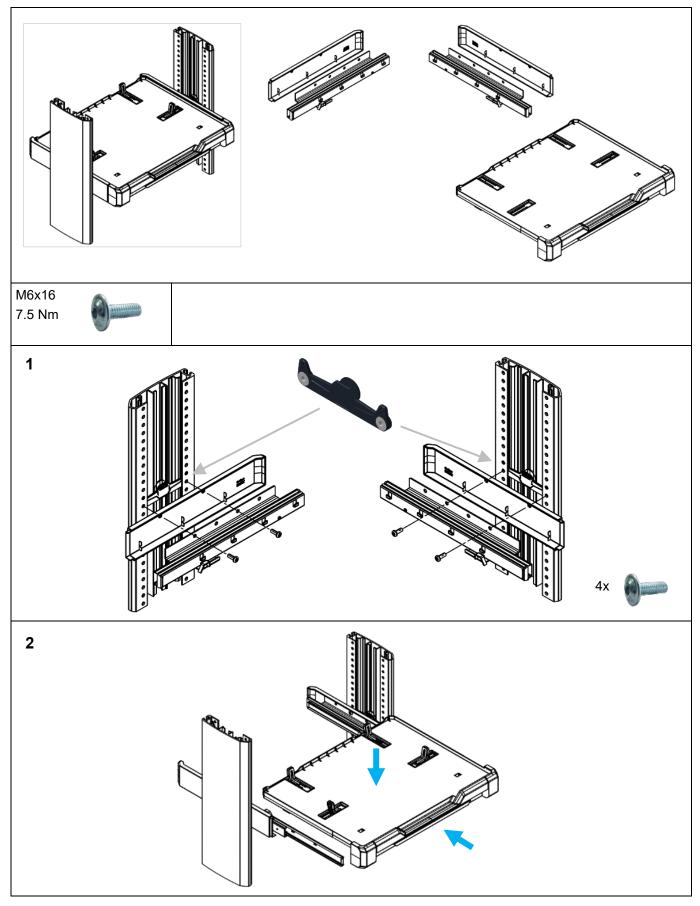


Installing SR drawers



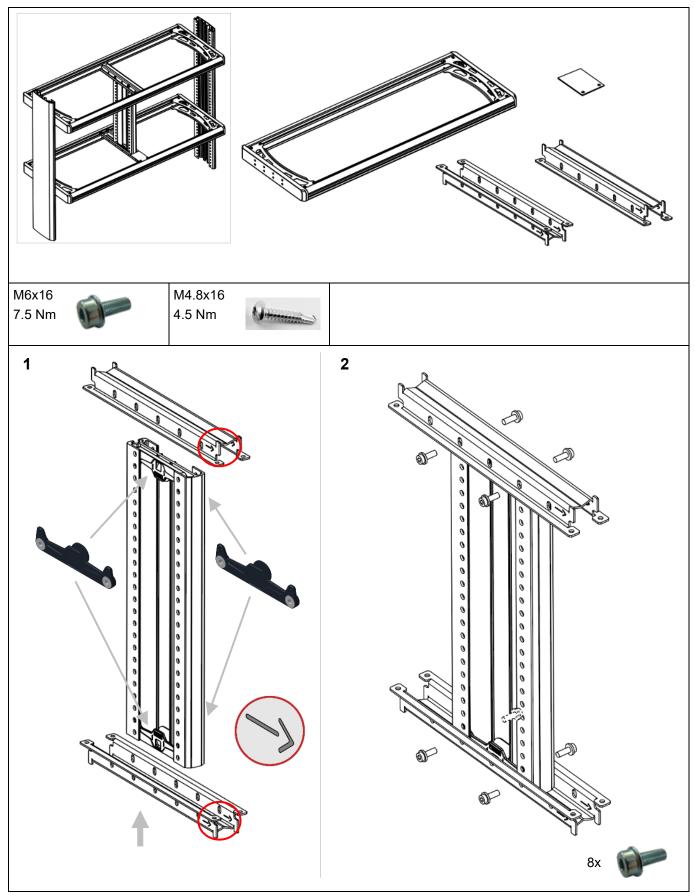


Installing the MultiSlide

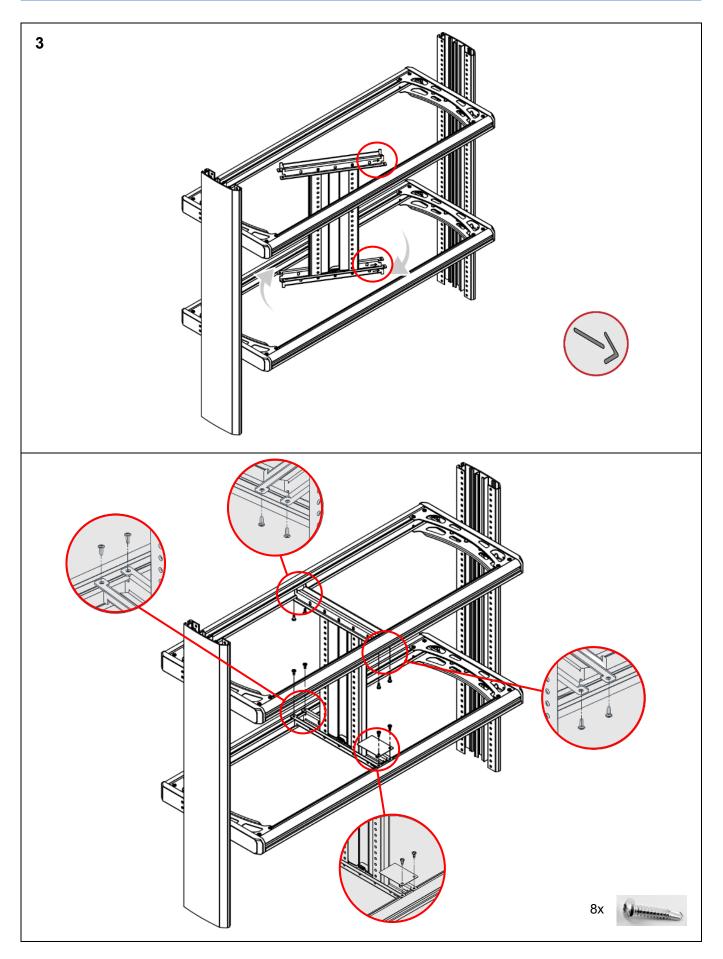




Installing the field subdivision – frame + frame

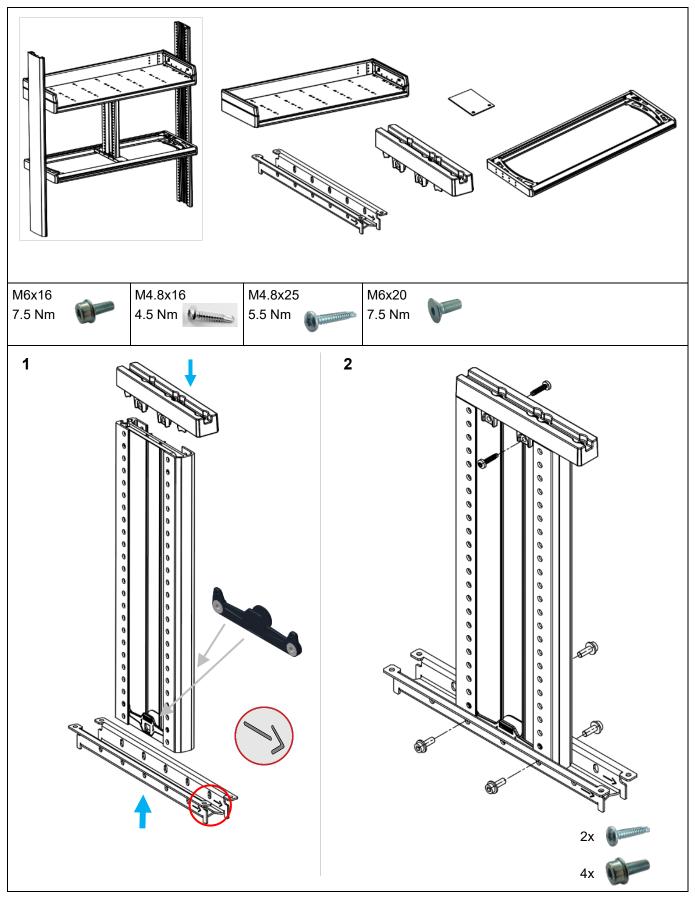




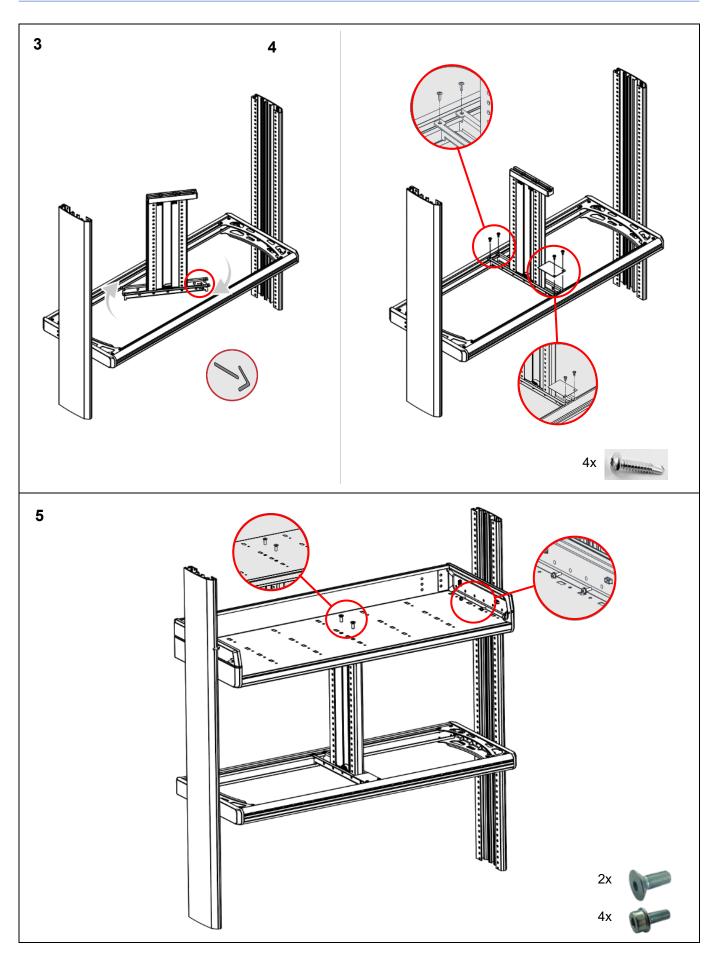




Installing the field subdivision - frame + shelf

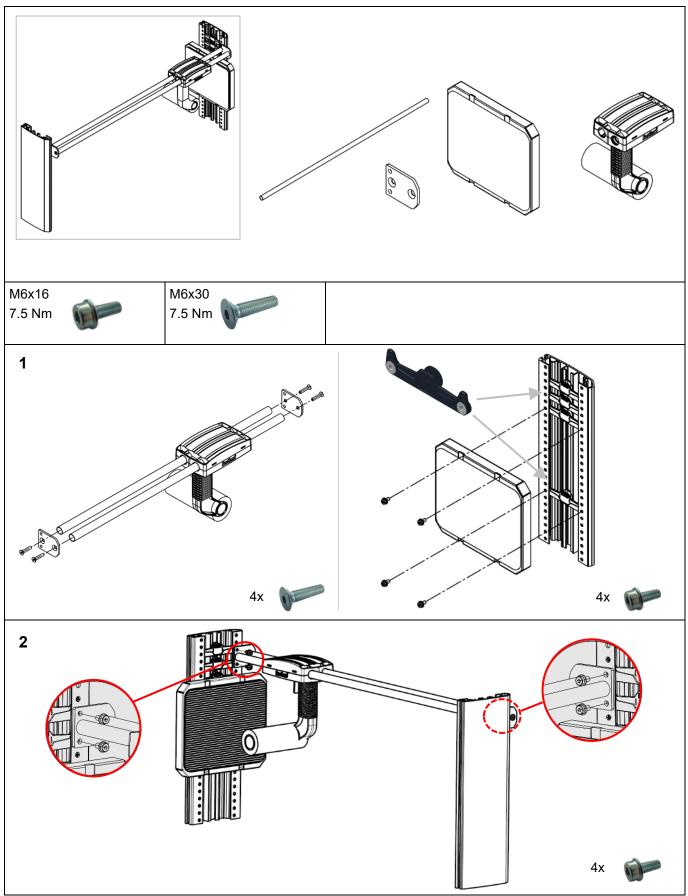








Installing the case fixation





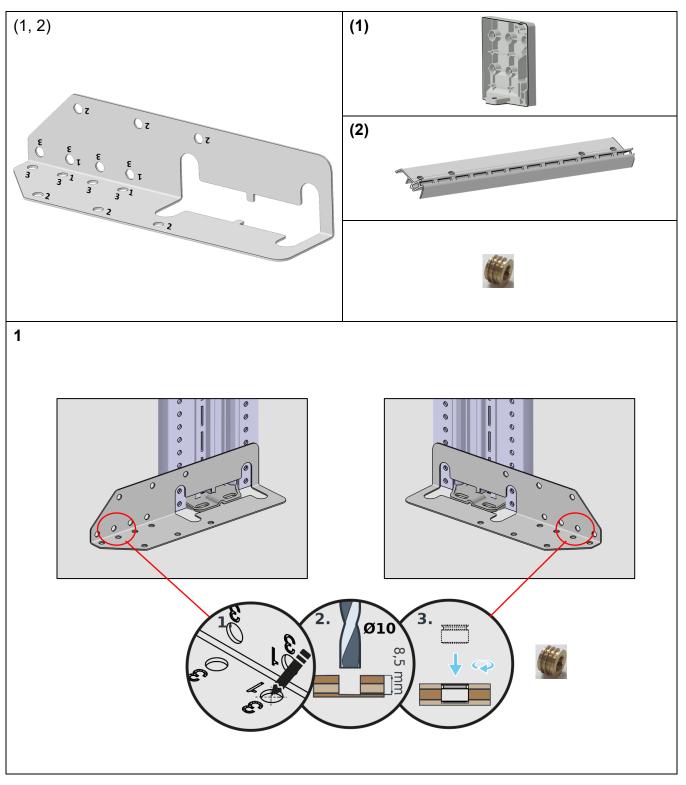
Floor flap

There are two options for attaching the side part floor flaps: from the top (1) in floor cladding using the screw-in sleeve or from the bottom (2) in the floor cladding using tap-in nuts.

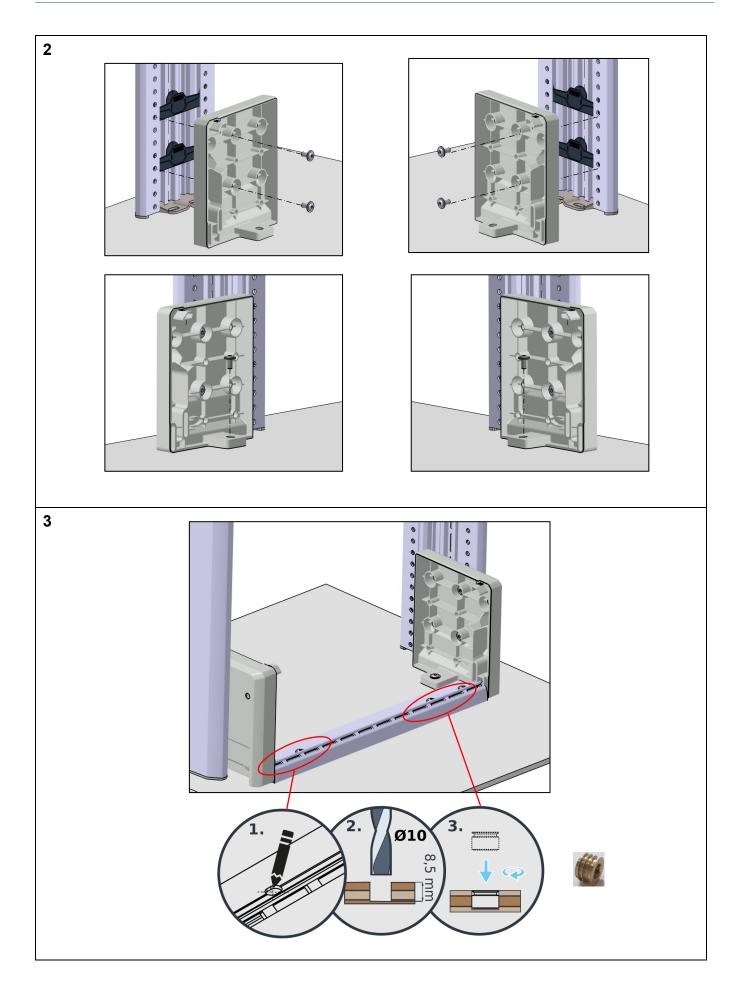
Note:

An installation template is available for installing the floor flap and floor lashing rail Ref. No.: 1000019307.

Installation with drilling template





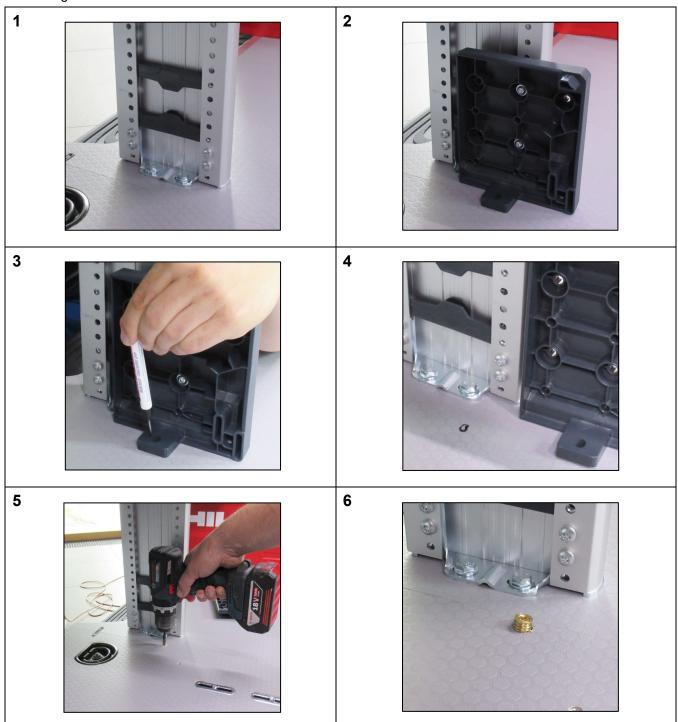




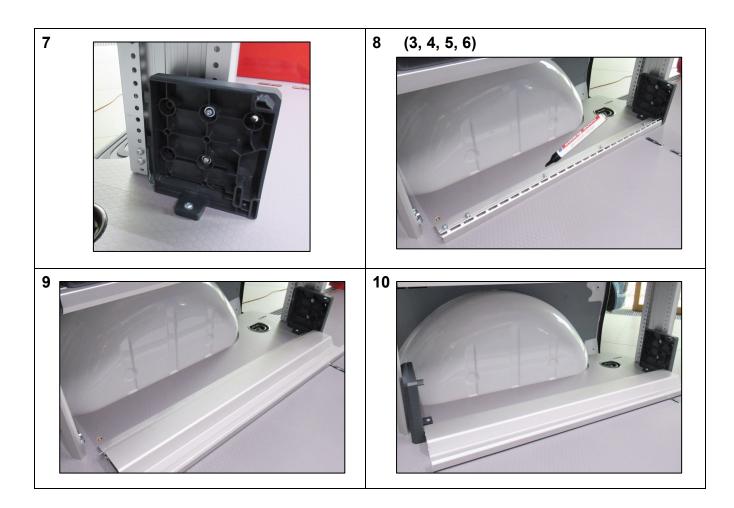
Installation without drilling template

Mounting from above:

To mount the side parts from above, using screw-in sleeve M6 12x8 type SKD art. no.: 1000013951. Pre-drilling: Ø 10 mm









Mounting from below:

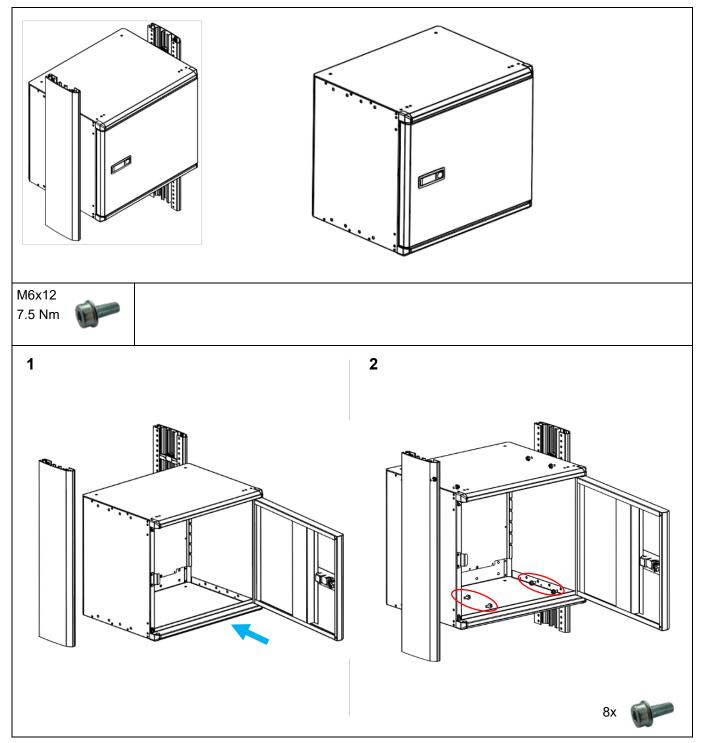
To mount the side parts from below, using tap-in nut M6x9 galvanised (FL19) art. no.: 71008428.

The installation is similar to mounting from above, but here only the position of the floor flap and floor lashing rail are marked from above, and the floor flap is drilled in a dismantled state and the tap-in nuts are inserted from below.

The floor cladding must be disassembled again for this.



Universal cabinet

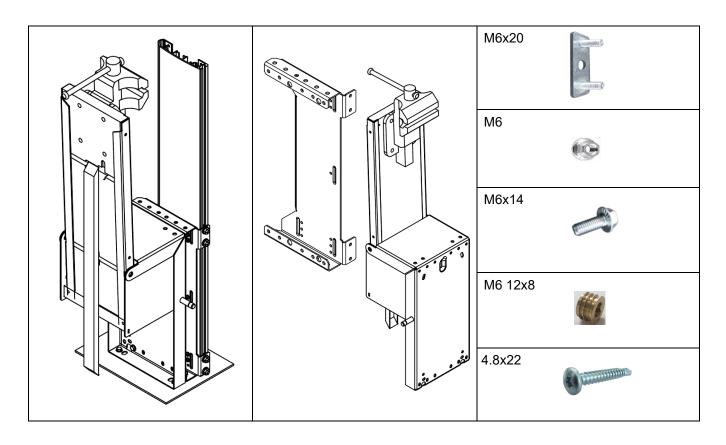


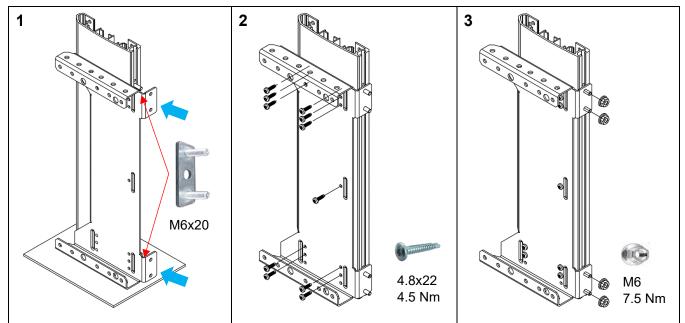


Hinged workbench

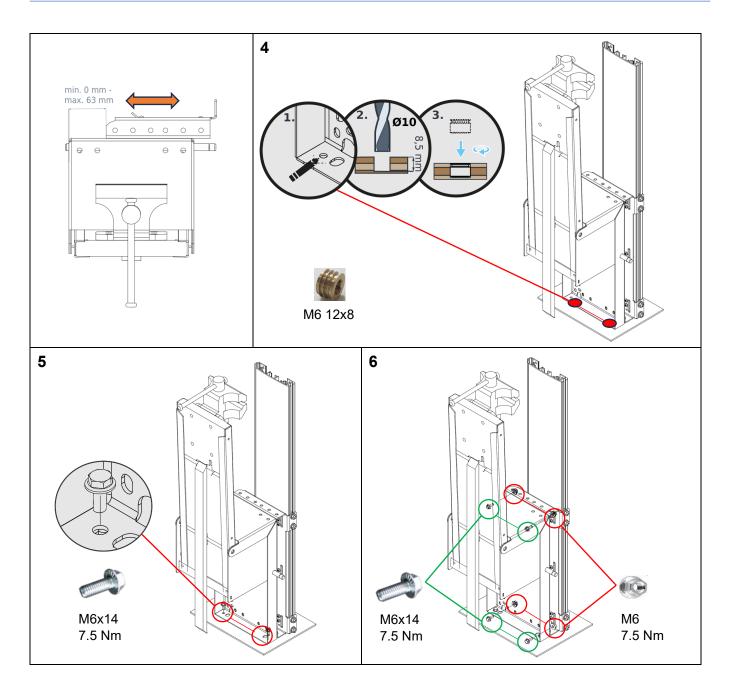
Information!

A frame or shelf needs to be fitted to ensure the stability of the side profile at a distance of three grids below and above, starting from the middle of the upper connection.







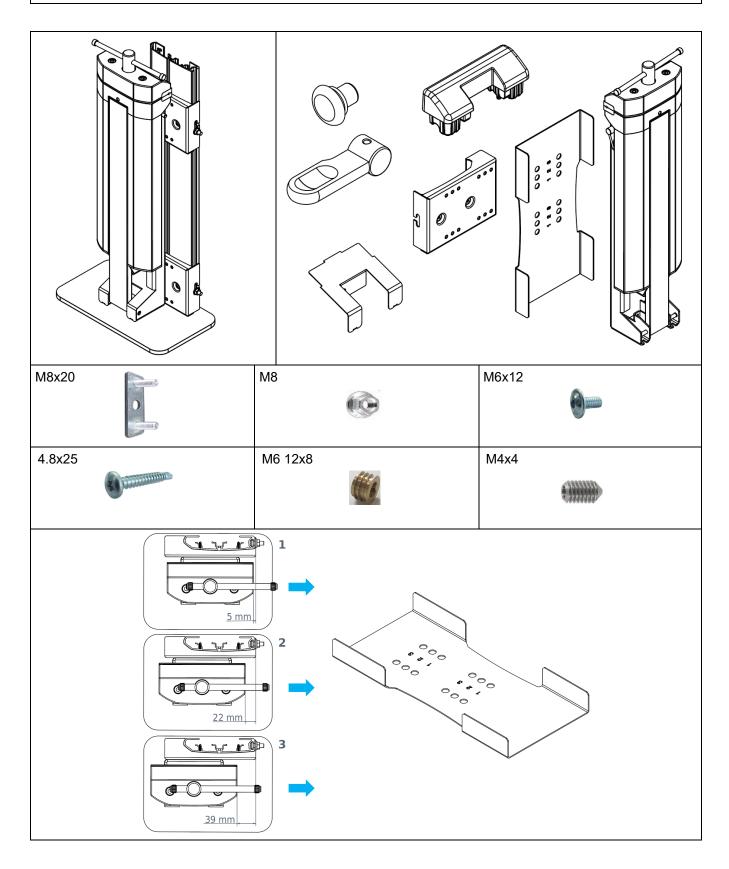




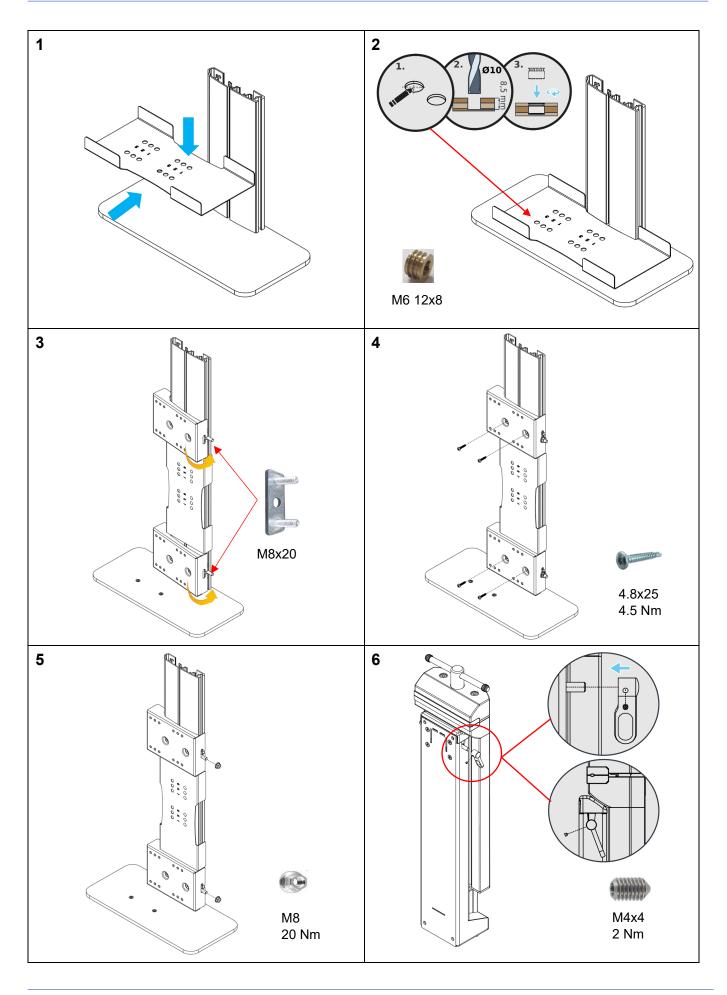
Folding parallel vice

(i) Information!

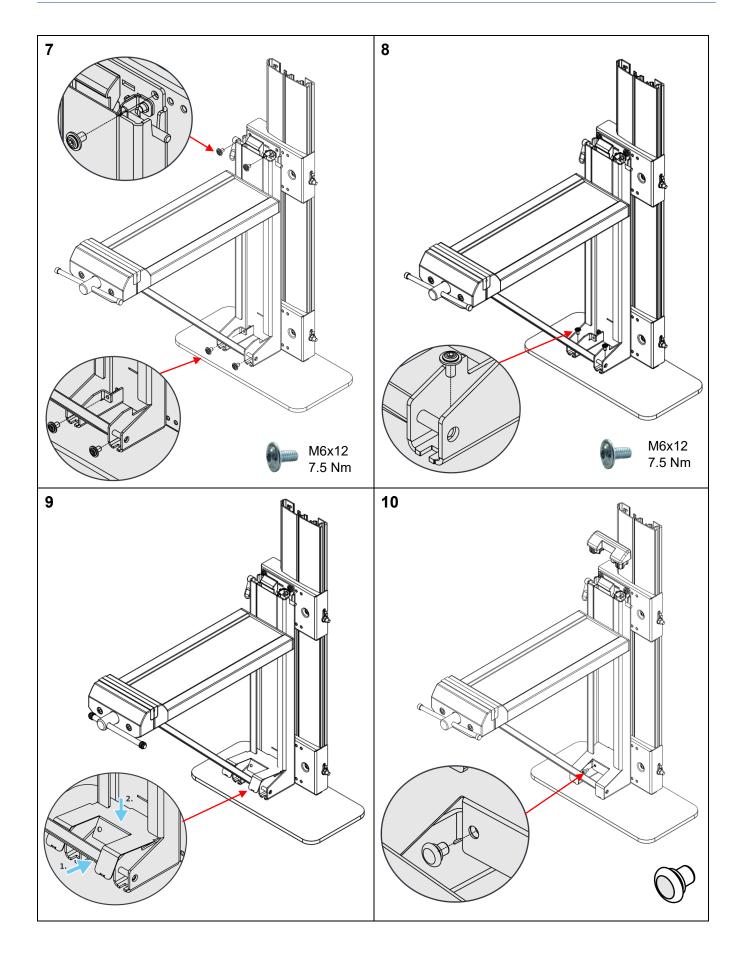
A frame or shelf needs to be fitted to ensure the stability of the side profile at a distance of three grids below and above, starting from the middle of the upper connection.





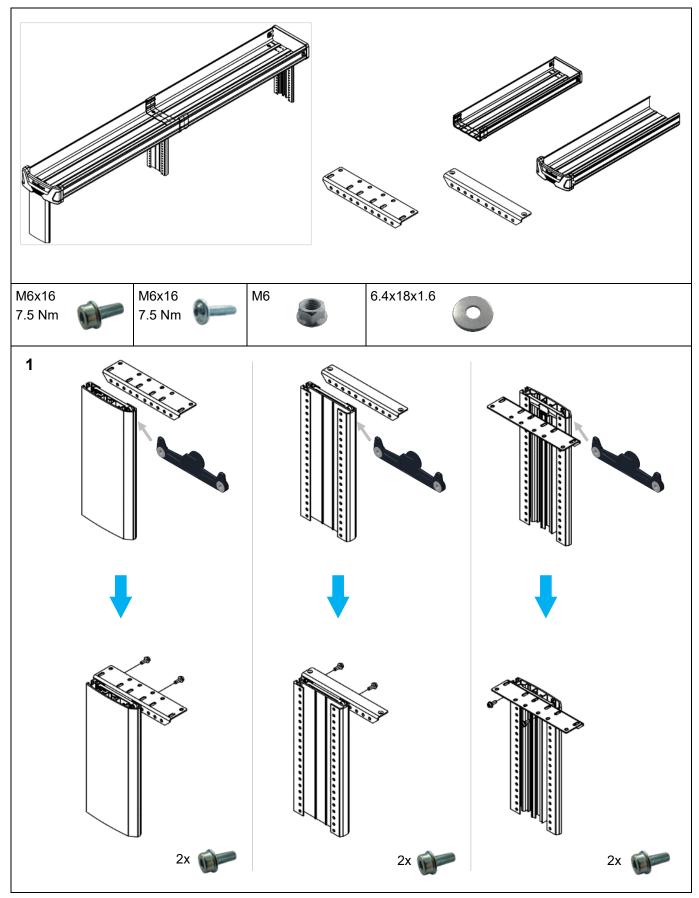




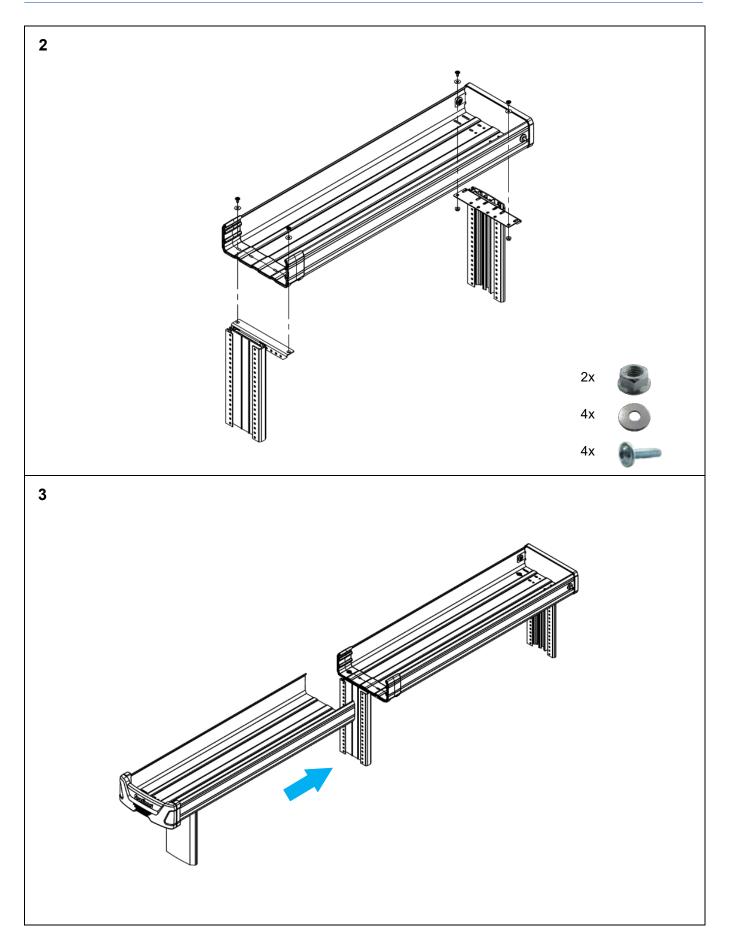




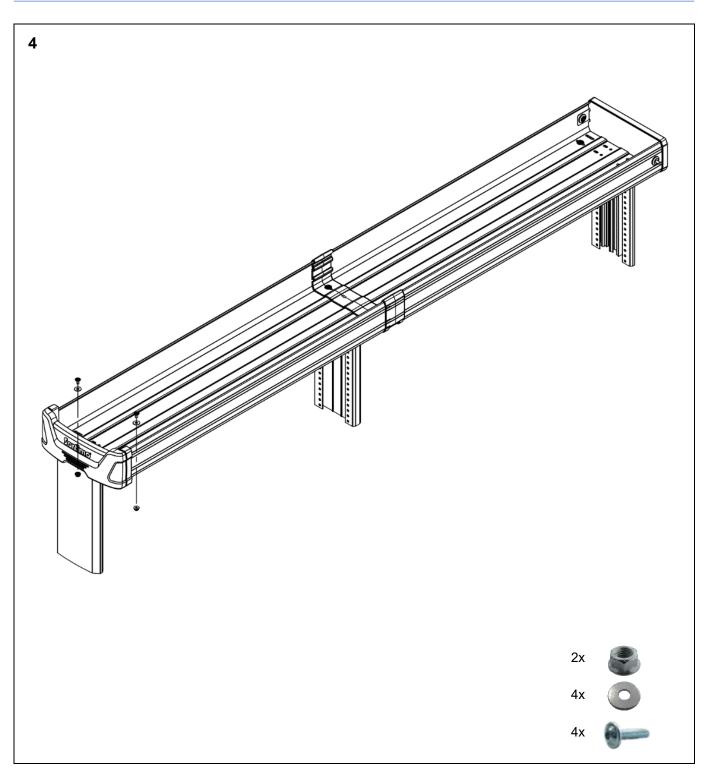
Long components tray





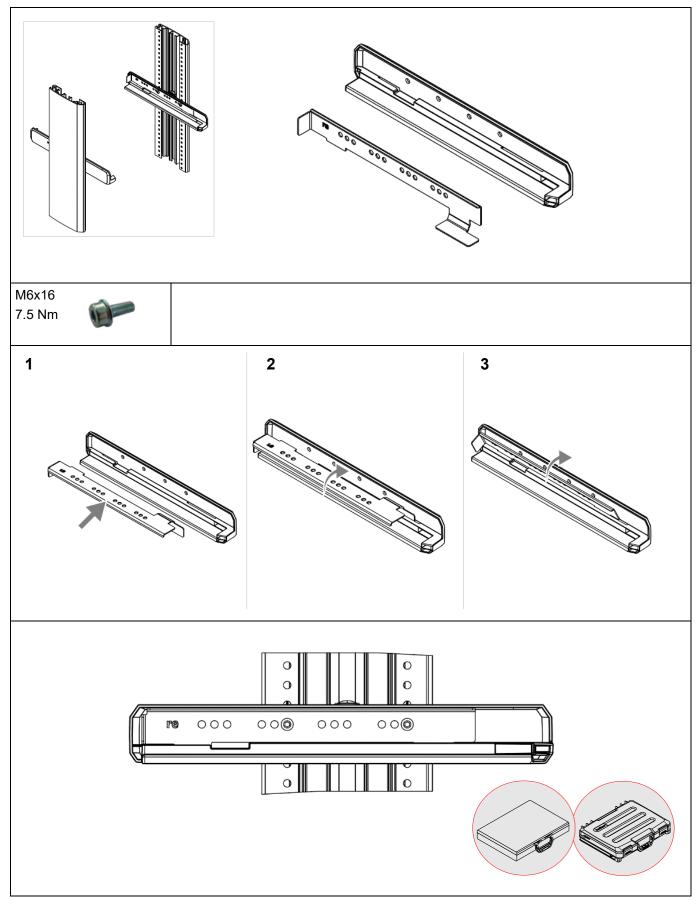




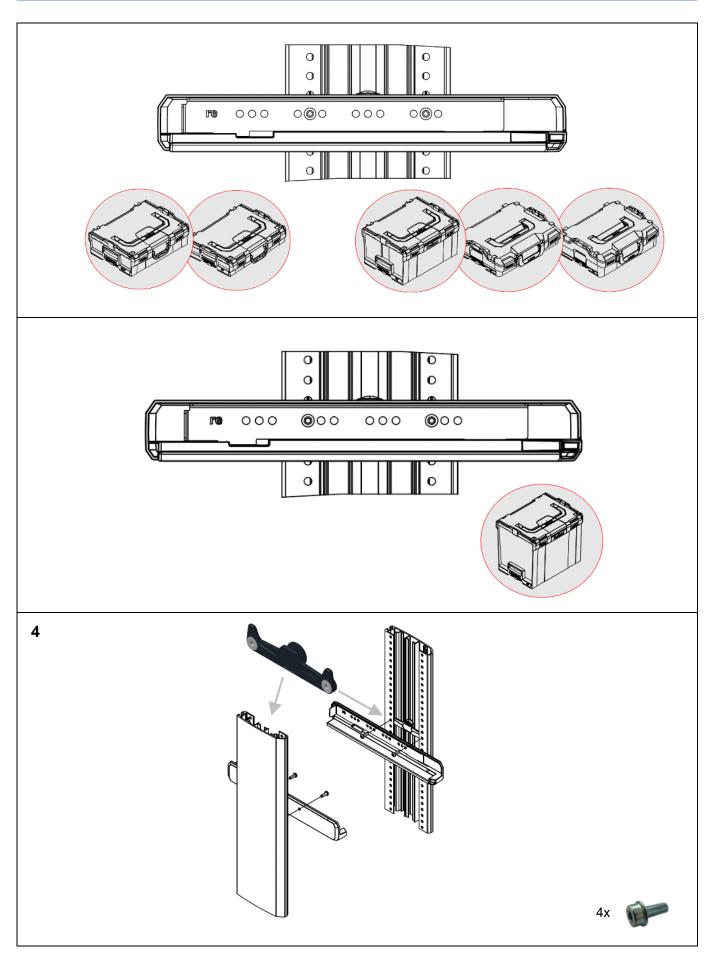




Service case rail





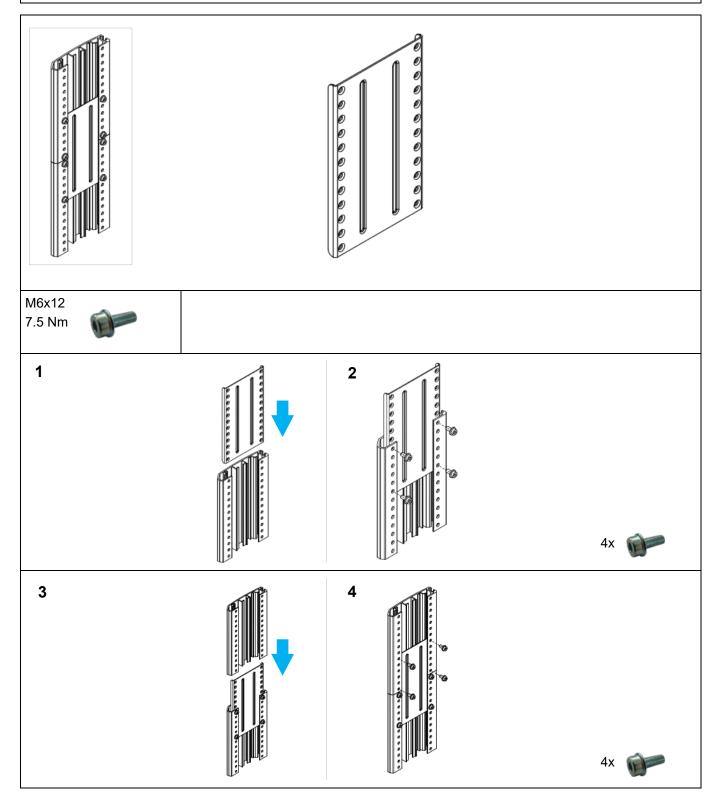




Side profile vertical connector

D Information!

A max. of one vertical connector per profile may be installed. The expanded profile may not exceed a length of 500 mm or 30 grids. An additional wall mounting is required for components that are installed above the vertical connector.

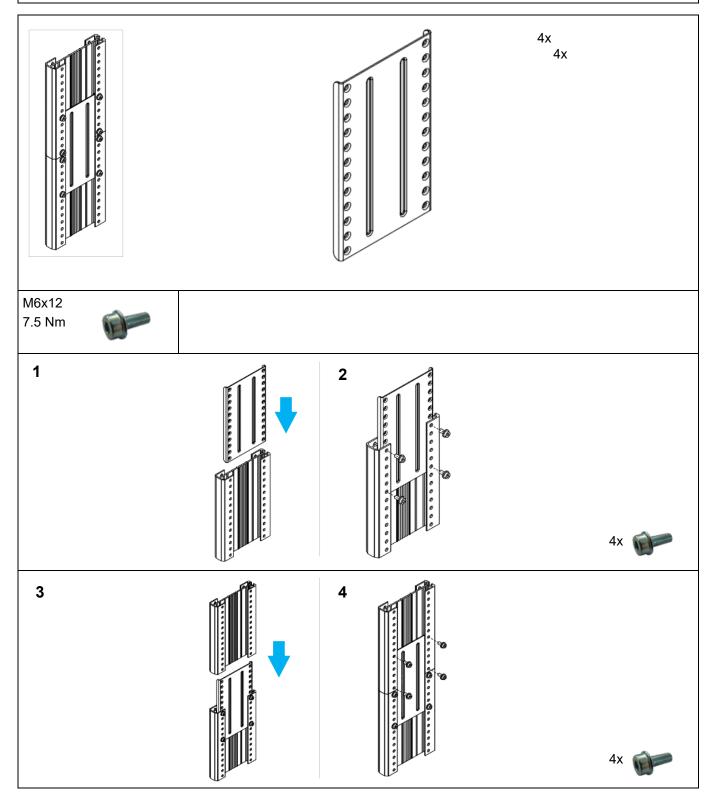




Intermediate profile vertical connector

(i) Information!

A max. of one vertical connector per profile may be installed. The expanded profile may not exceed a length of 500 mm or 30 grids. An additional wall mounting is required for components that are installed above the vertical connector.





Dual directional block 90° T4/T5

Note:

Danger!

Risk of injury due to missing vehicle components.

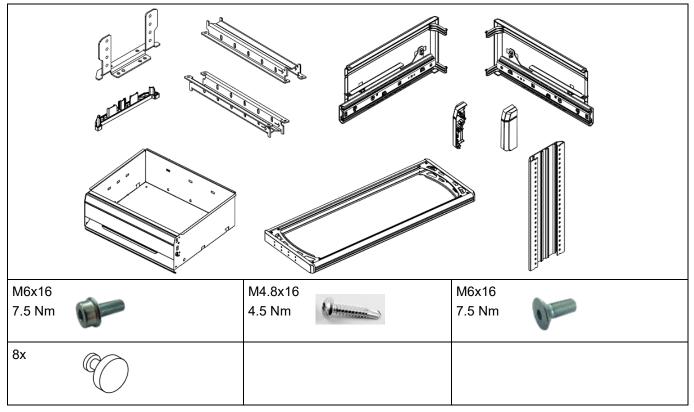
The load can enter the passenger compartment from the racking system.

- Authorised installation
 - Certified partition as per DIN ISO 27956,
 - Partition with sliding door
- If you have questions, please contact the manufacturer's Technical Support.
- Unauthorised installation
- With partition grid,
- Without partition.

ⁱ⁾ Information!

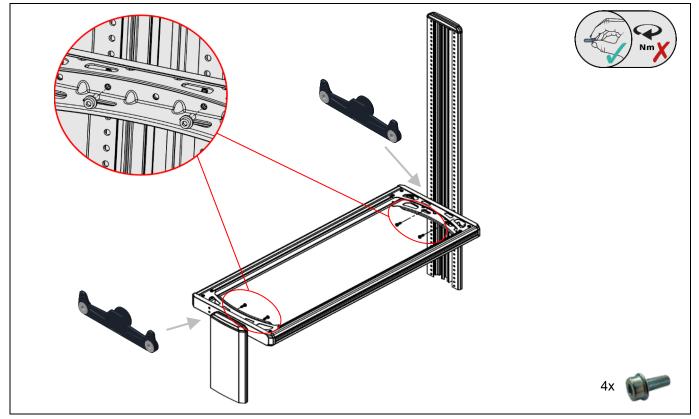
Certain elements are not included depending on the configuration.

Scope of delivery

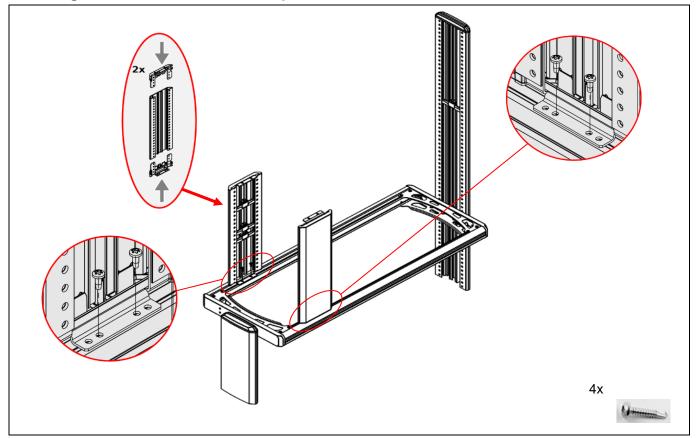




Installing the base frames

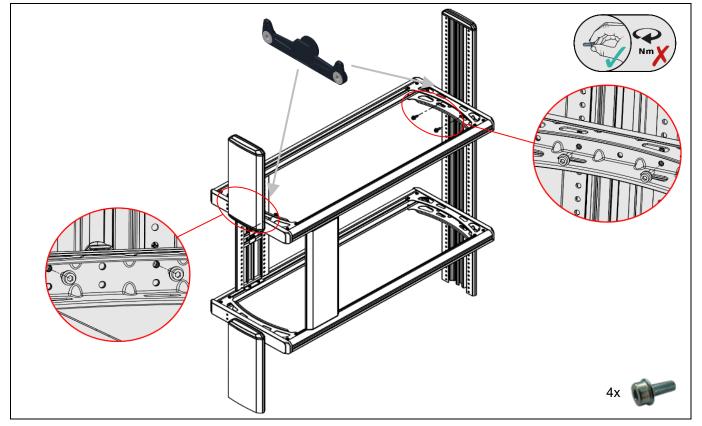


Installing the dual directional block profiles

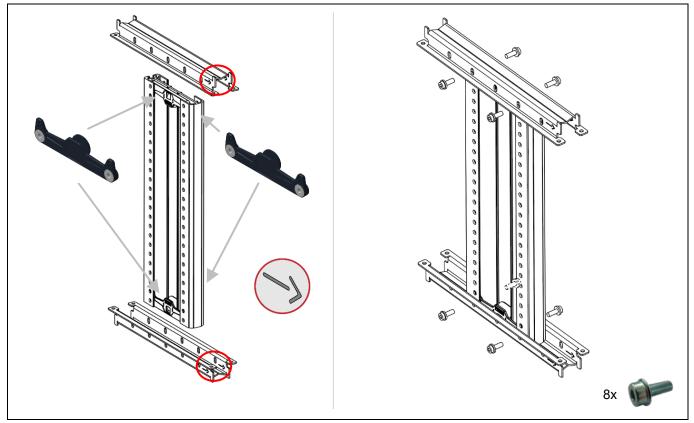




Installing the end frames

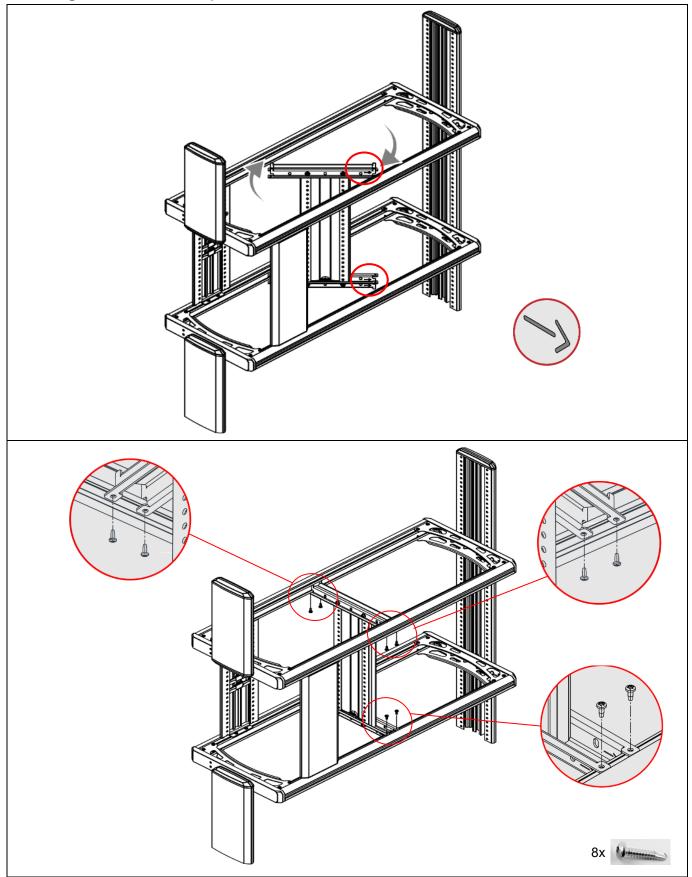


Preparing the intermediate profiles



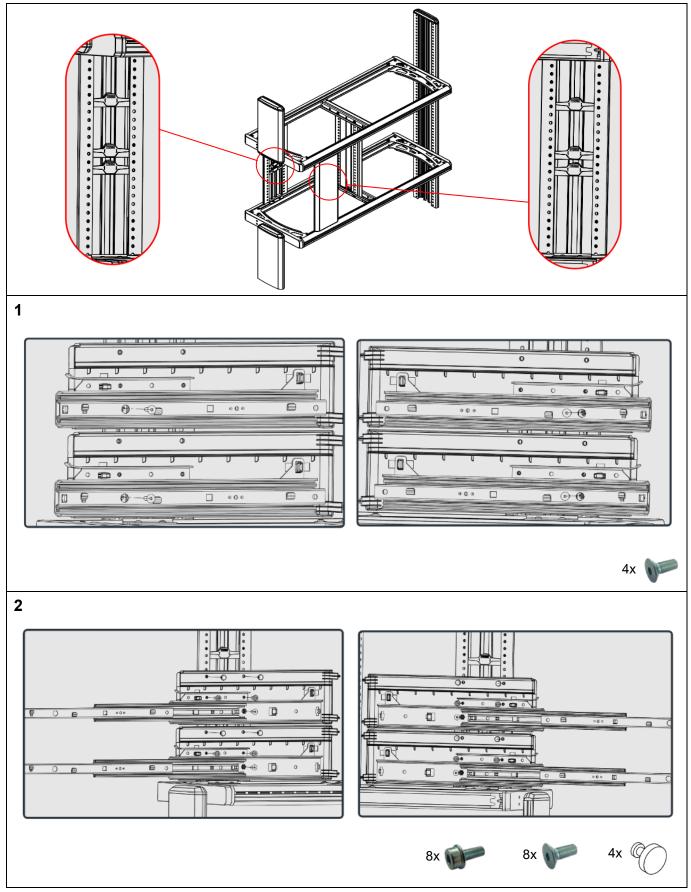


Installing the intermediate profiles

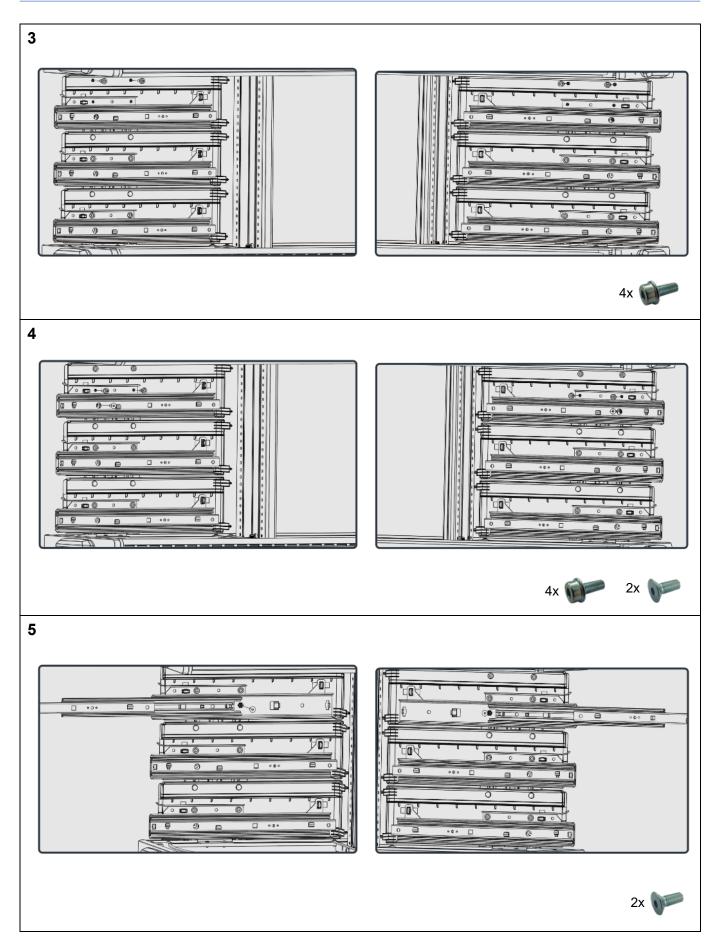




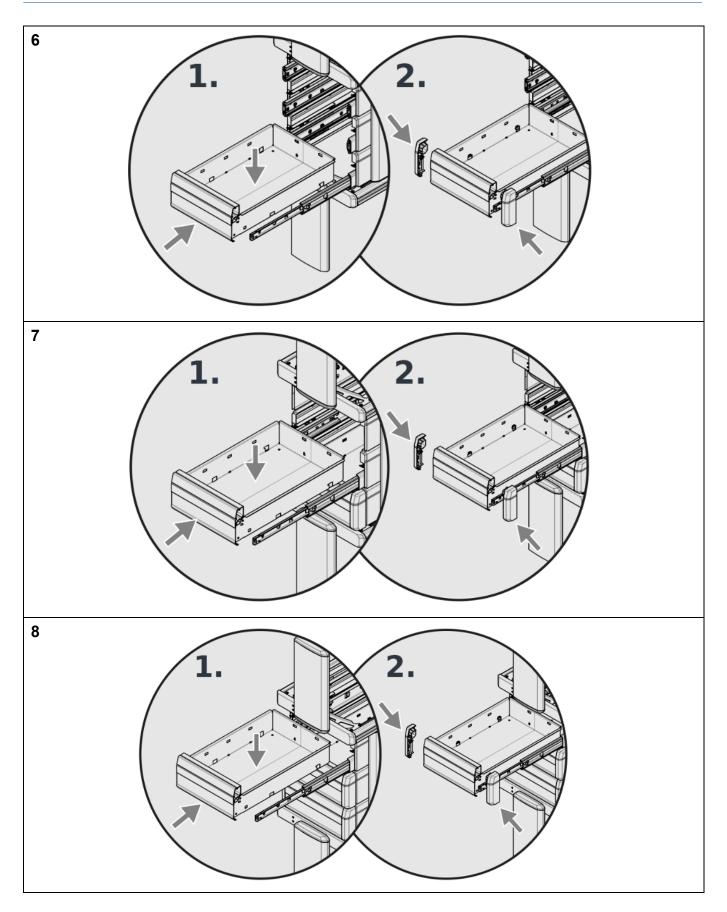
Installing the drawers



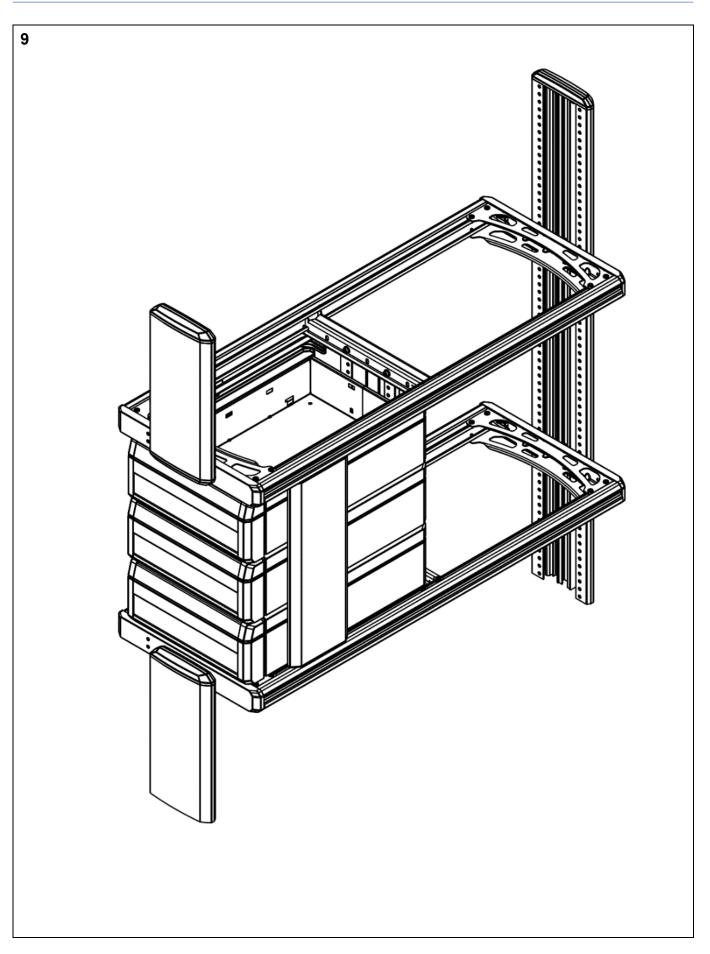














Dual directional block 90° T7

Note:

Danger!

Risk of injury due to missing vehicle components.

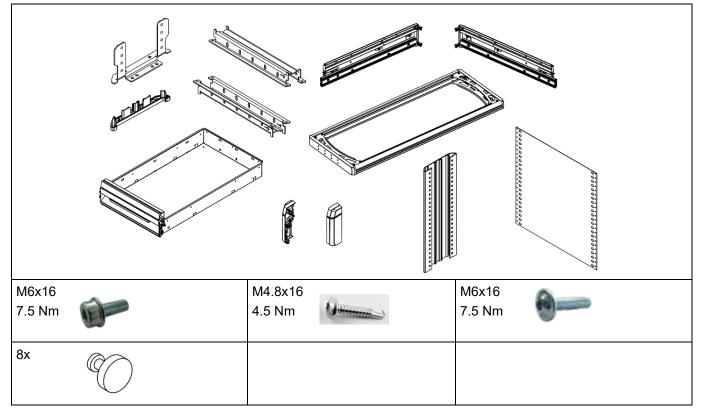
The load can enter the passenger compartment from the racking system.

- Authorised installation
 - Certified partition as per DIN ISO 27956,
 - Partition with sliding door
- If you have questions, please contact the manufacturer's Technical Support.
- Unauthorised installation
- With partition grid,
- Without partition.

¹⁾ Information!

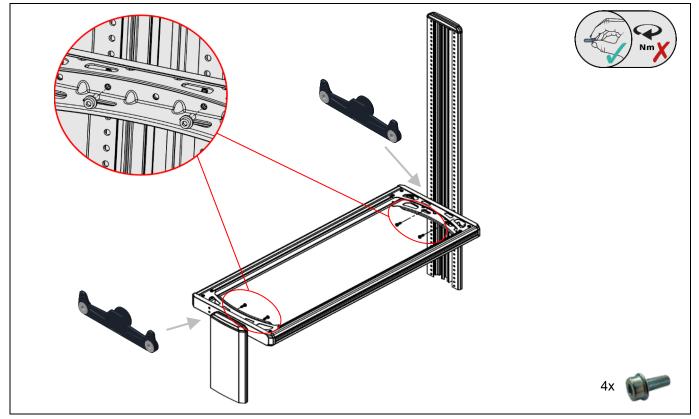
Certain elements are not included depending on the configuration.

Scope of delivery

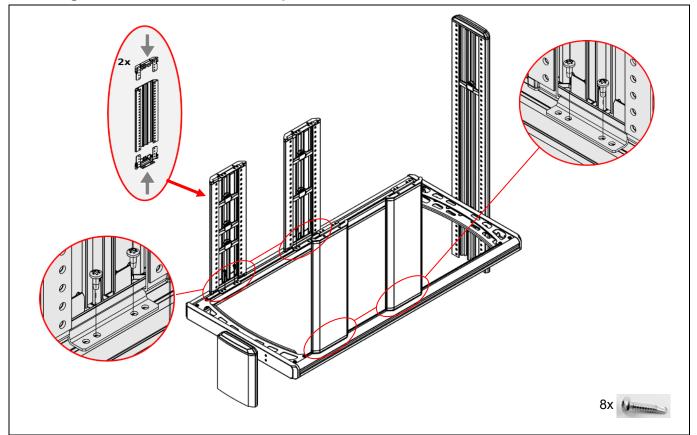




Installing the base frames

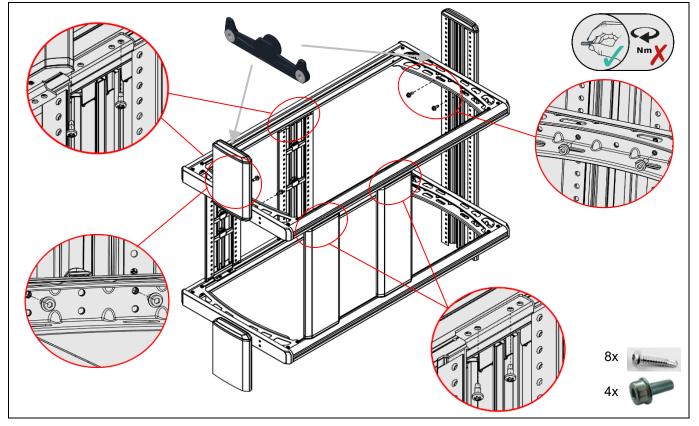


Installing the dual directional block profiles

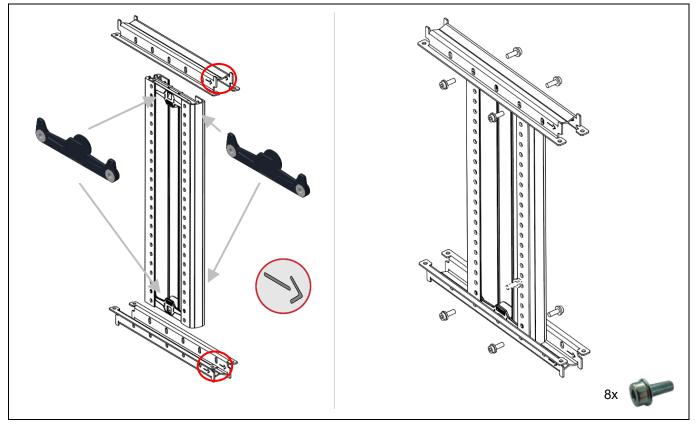




Installing the end frames

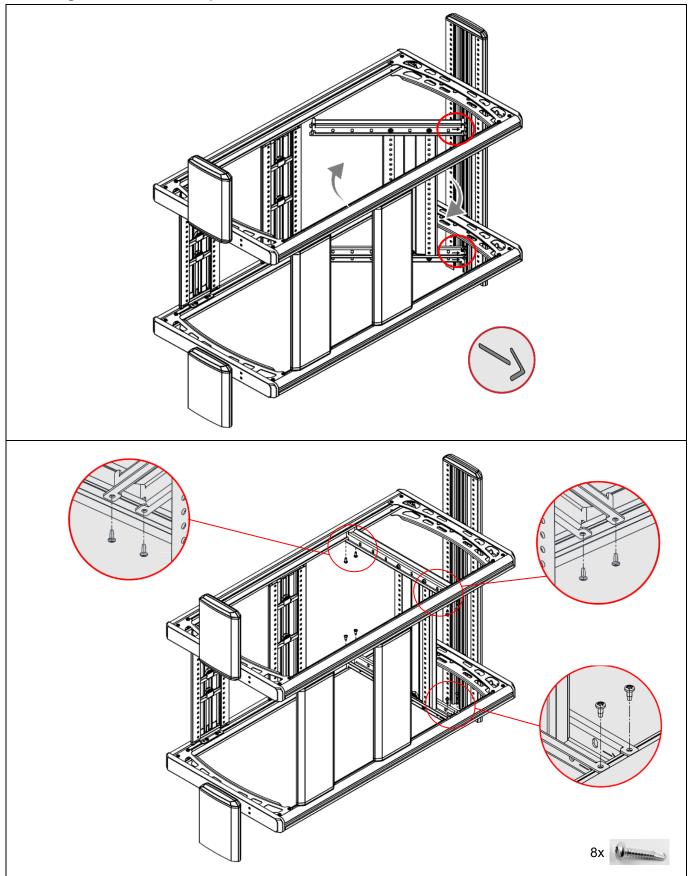


Preparing the intermediate profiles



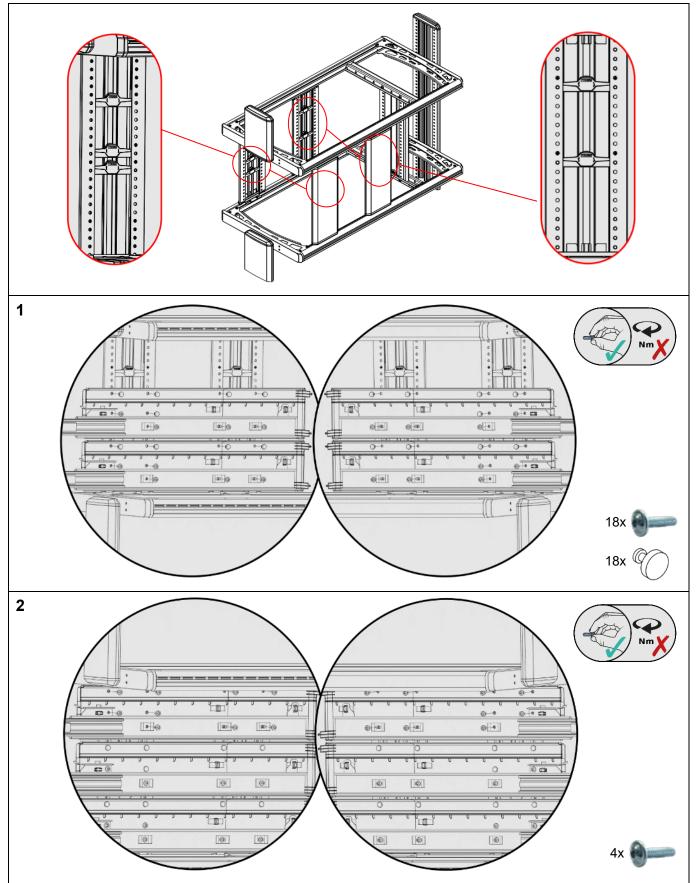


Installing the intermediate profiles

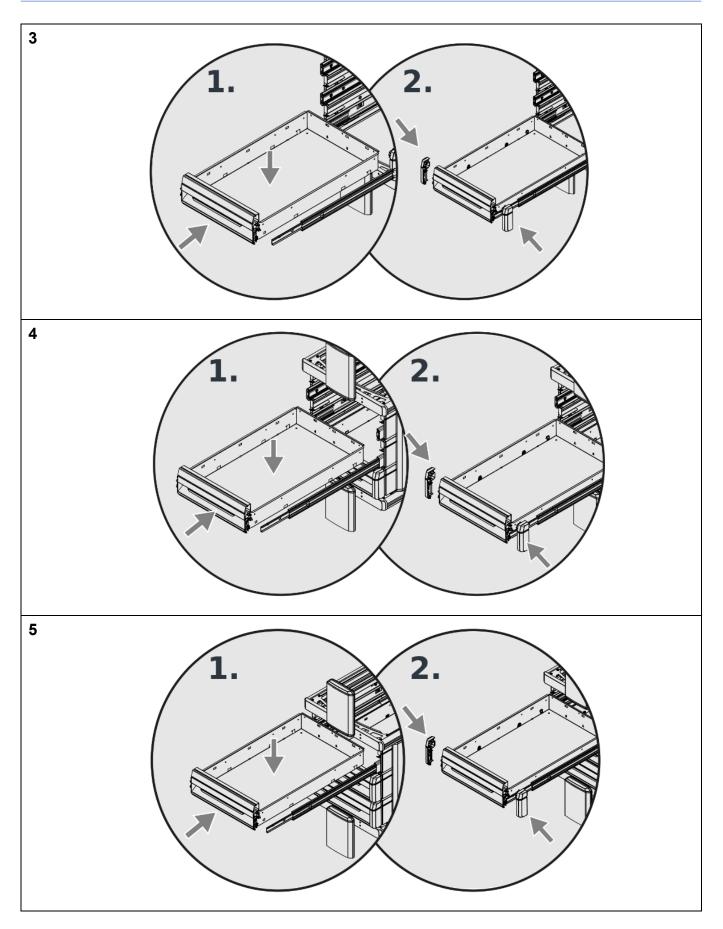




Installing the drawers

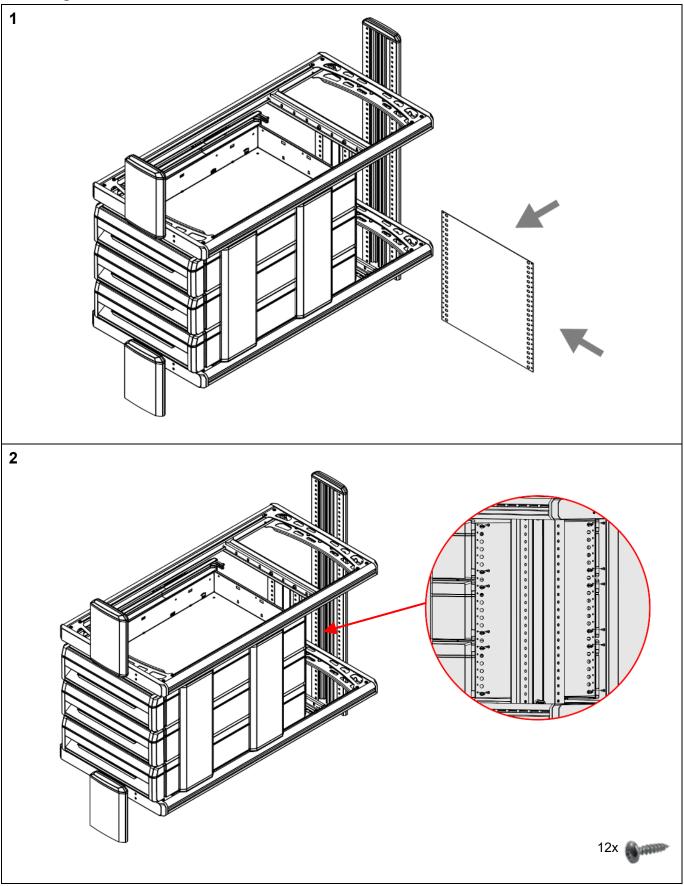








Installing the rear wall





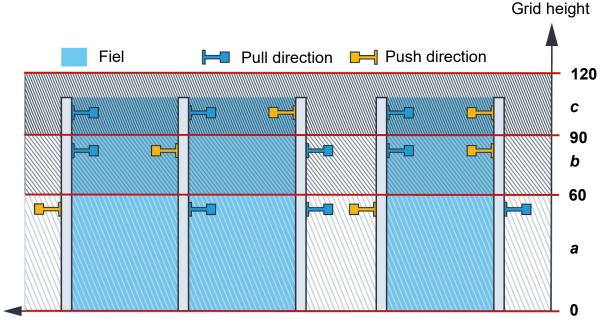
Notes on EcoFIX brackets

The van racking system is attached to the wall of the vehicle using EcoFIX brackets (EFI). There are different versions of EFI bracket available. The EFI bracket must be bent in compliance with the following rules to attach the van racking system to the wall of the vehicle. - EFI 115 - EFI 165 - EFI 215 - EFI 265 - EFI 305	
 Rule: An EcoFIX bracket can be bent at several places. However a maximum of 45° at one point. a maximum of once at each point. the bending radius must be at least 4 mm. 	
Rule: An EcoFIX bracket can be twisted by a maximum of 90°!	
Rule: Once the EcoFIX brackets have been fitted, and if this leaves an area freely accessible to the user, then the edges of the EcoFIX need to be covered with an edge protection profile (art. no.: KU100720).	



Fitting the EcoFIX brackets

There are two ways of installing the EFI brackets - in a push or pull direction.



Direction of travel

Example 1 (figure right) side element left / side element right:

- a. From grid height 0 to 60: 2x "1000012759 wall mounting 215"
- b. From grid height 61 to 90: in addition to point 1: 2x "1000012289 wall mounting 165 SR5"
- c. From grid height 91 to 120: in addition to point 1 & 2: 2x "1000012289 wall mounting 165 SR5"

Example 2 (figure left) left side element / intermediate element / right side element:

On the side elements:

- a. From grid height 0 to 60: 2x "1000012759 wall mounting 215"
- b. From grid height 61 to 90: in addition to point 1: 2x "1000012289 wall mounting 165 SR5"
- c. From grid height 91 to 120: in addition to point 1 & 2: 2x "1000012289 wall mounting 165 SR5"

On the intermediate element:

- a. From grid height 0 to 60: 1x "1000012759 wall mounting 215"
- b. From grid height 61 to 90: in addition to point 1: 1x "1000012289 wall mounting 165 SR5"
- c. From grid height 91 to 120: in addition to point 1 & 2: 1x "1000012289 wall mounting 165 SR5"

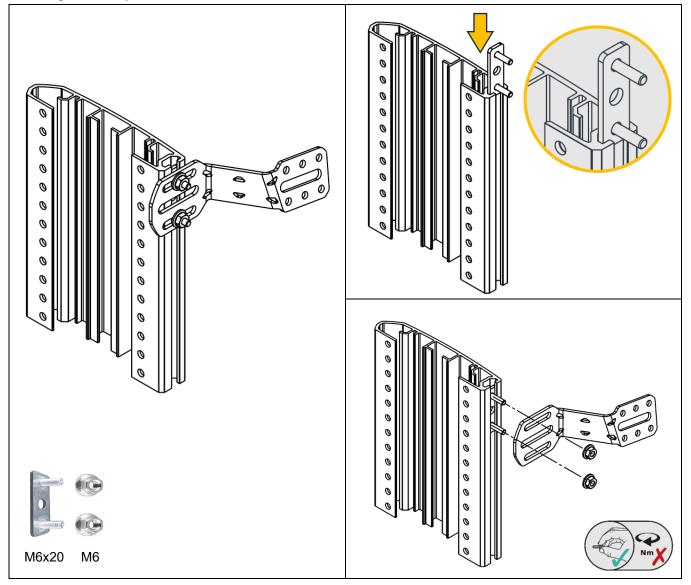


Attaching EcoFix to the van racking system

Depending on the configuration, it can be attached to various elements of the van racking system.

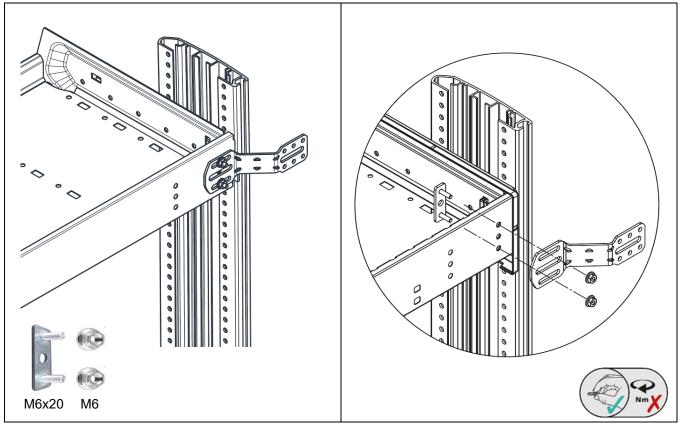
- Directly on the profile,
- Directly on the shelf,
- Using a rear wall profile,
- Using UniFix.

Directly on the profile

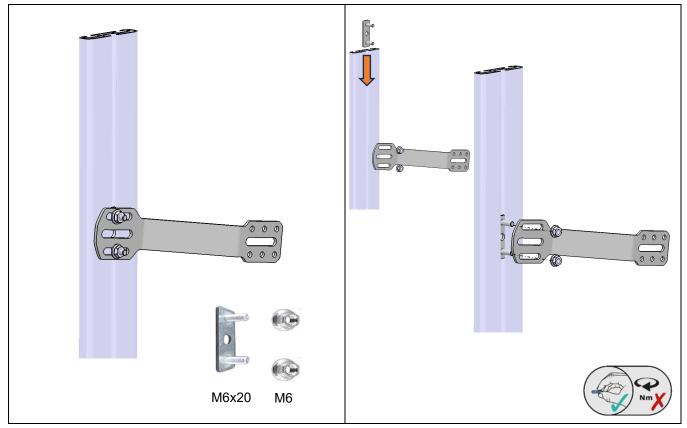




Directly on the shelf



Centre rear wall rail



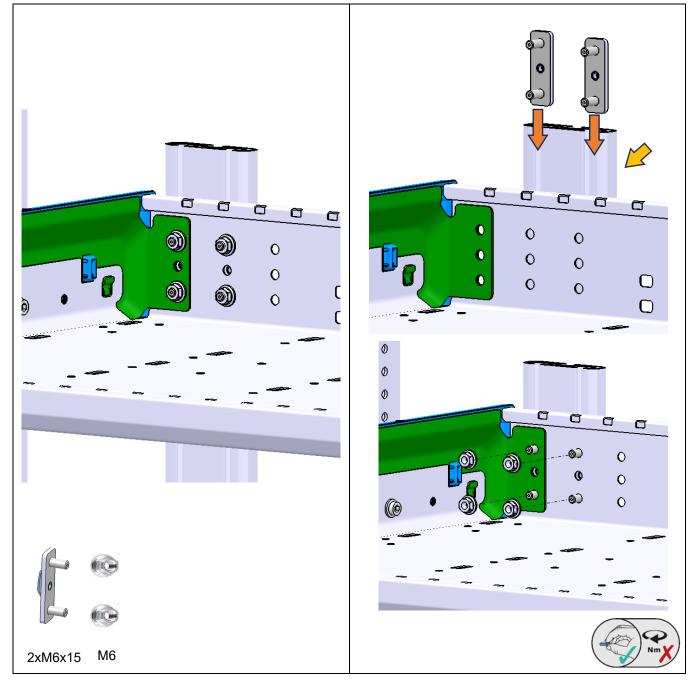


Attaching the rear wall profile

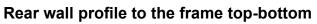
There are four options for fastening the rear wall profile to the van racking system.

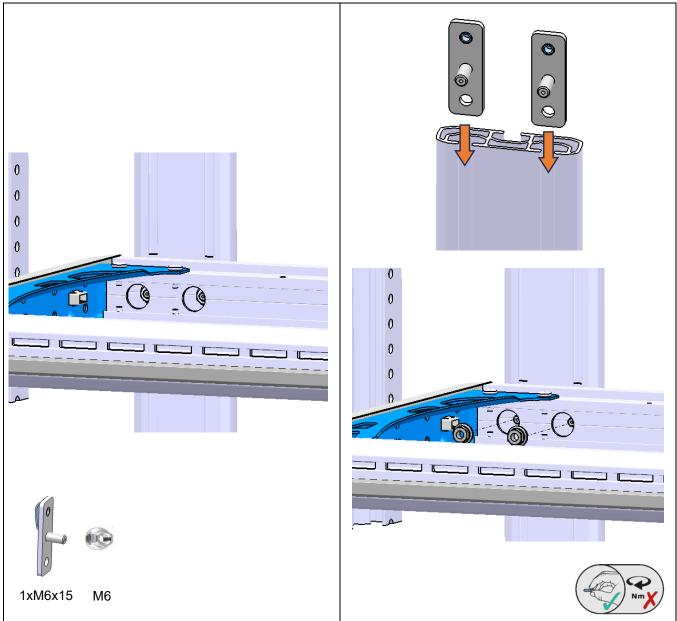
- Rear wall profile to the shelves,
- Rear wall profile to the top, bottom of the frame.
- Rear wall profile to the worktop shelf.

Rear wall profile to the shelf



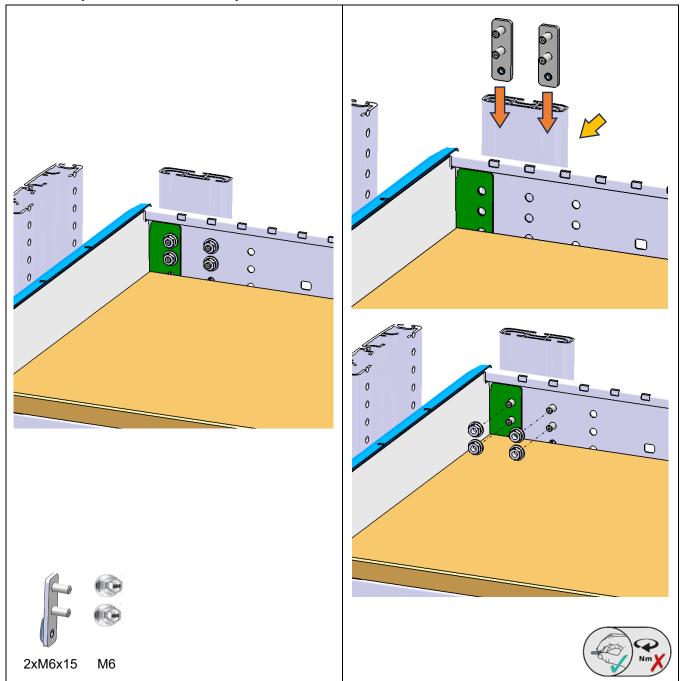








Rear wall profile to the worktop shelf





Attaching EcoFIX to the vehicle wall

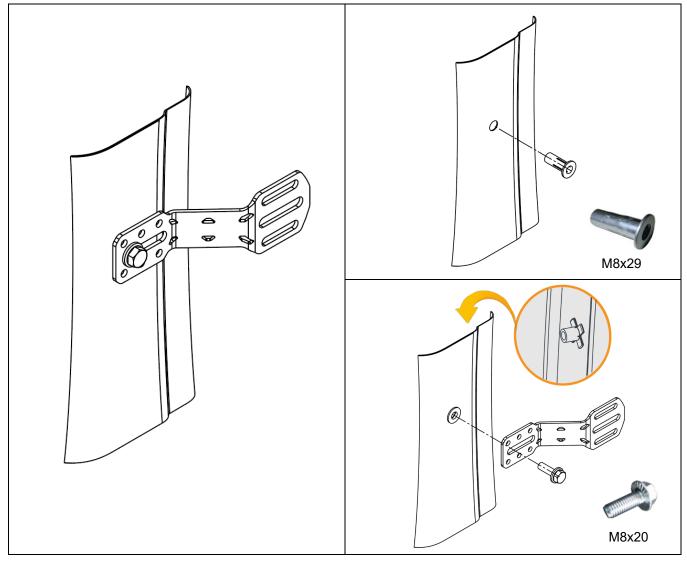
There are two options for attaching the EFI to the wall of the vehicle.

- Blind rivet nut,
- Fastening plate.

Rule:

• If possible, attachment using a fastening plate is preferable to attachment with blind rivet nuts.

Blind rivet nut



Important!

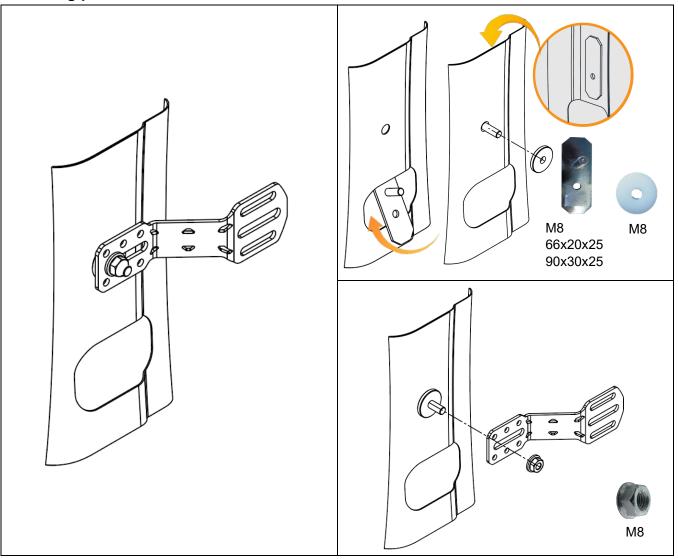
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Damage to the vehicle due to drilling.

Please note the "Fixing information!" chapter.



Fastening plate



Important!

Damage to the vehicle due to drilling.

Please note the "Fixing information!" chapter.



Stabil

Fixing information

 $\sum_{i=1}^{n}$

Important!

Damage to vehicle due to drilling; components within the vehicle wall could be damaged.

- Pay attention to components within the vehicle wall, such as lines, etc.
- Use a drill sleeve.
- Pay attention to the manufacturer's set-up guidelines.
- Only attach to suitable locations.
- Do not attach to an unstable intermediate support or wheel housing.

Attaching EcoFIX brackets to the vehicle wall:

- There are two options for attaching the EFI to the wall of the vehicle:
 - a, Blind rivet nut,
 - b, Fastening plate.

Rule: If possible, attachment using a fastening plate is preferable to attachment with blind rivet nuts.

Note:

- Blind rivet nut M8 x 29, screw M8 x 20
- Requires a Ø 11.2 mm through hole.
- Use the existing through hole on the vehicle body (original hole) or drill a new through hole.

Step 1 - Prepare EcoFIX

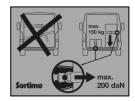
- Find a suitable position.
- Use a suitable pen to mark the position on the van racking system and on the vehicle wall.

Step 2 – Prepare the vehicle wall

- Prepare the attachment points on the vehicle wall.
- Repeat these steps until all the attachment points have been prepared.
- If a side wall cladding is to be installed in the vehicle, the attachment points should be transferred to the side wall cladding.
- Install the prepared side wall cladding in the vehicle.

Step 3 - Attach the van racking system to the vehicle wall

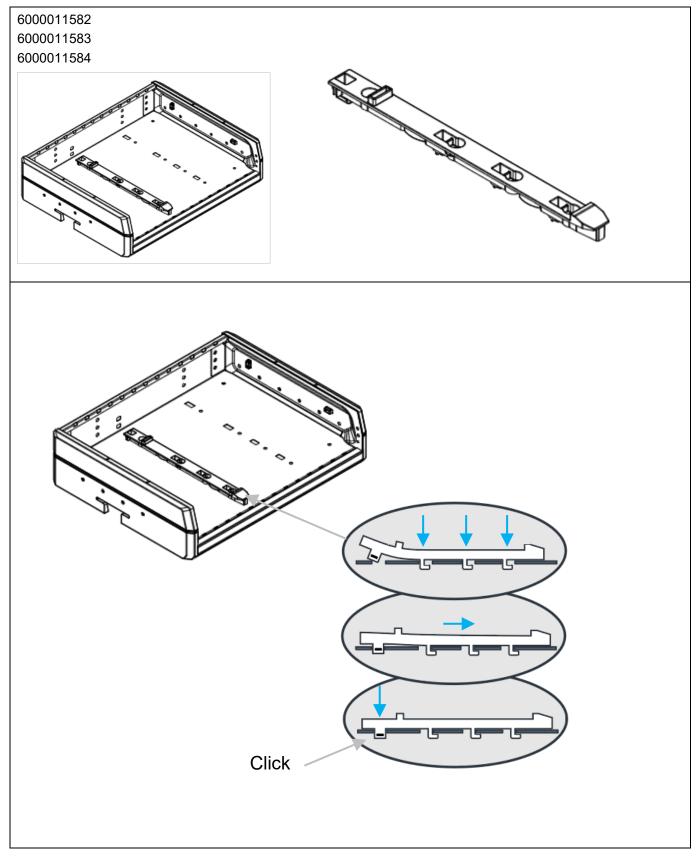
- Attach the EcoFIX brackets to the van racking system and to the vehicle wall.
- Align the van racking system.
- Tighten the screw fixing to the specified torque.
- **Step 4** Attaching safety markings
 - Attach safety markings to the partition in the cargo area so that they are clearly visible.
 - Note: KU1014727





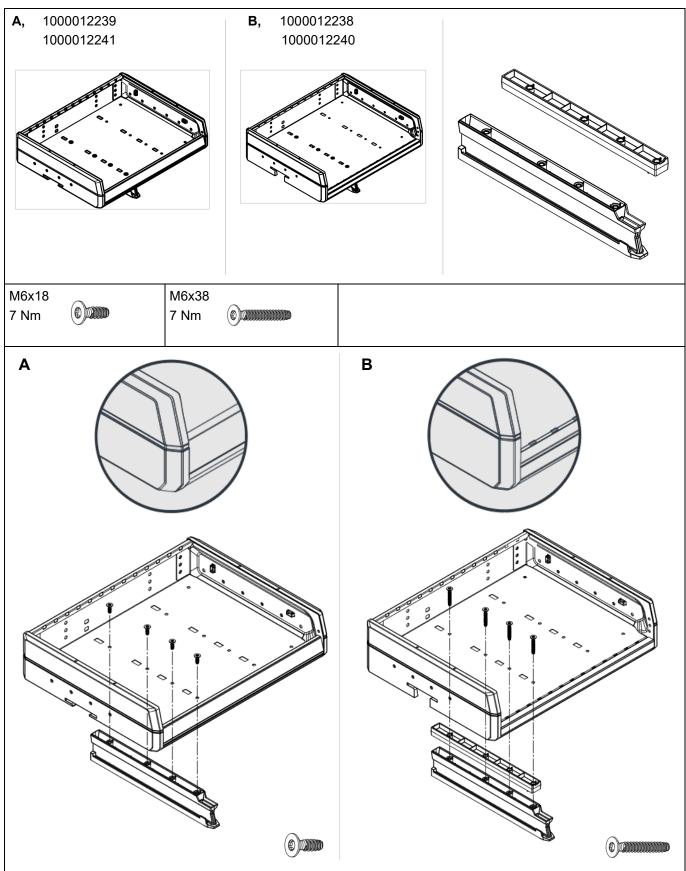
Mounting accessories

Plastic slide at top



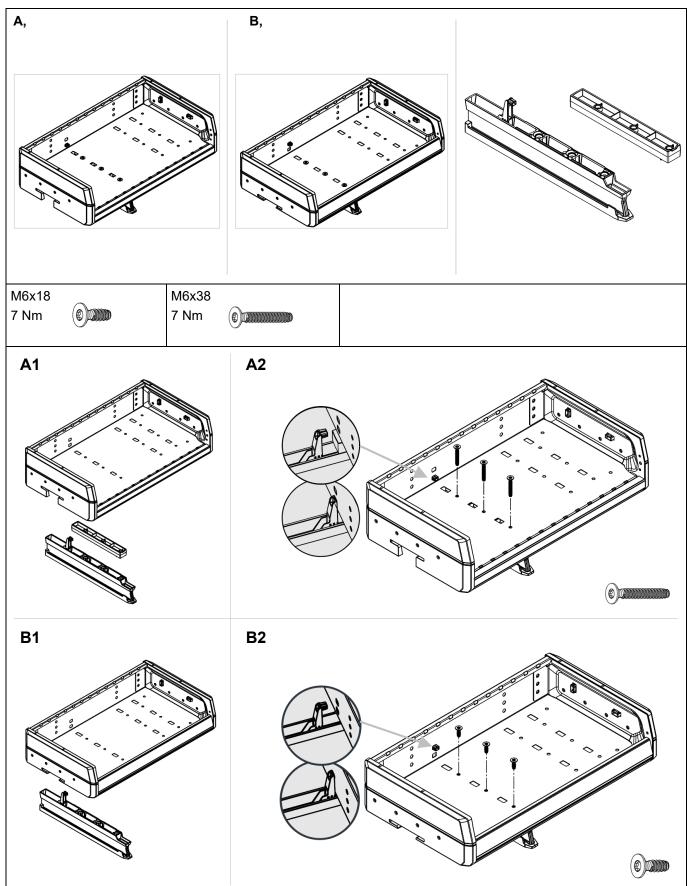


Plastic slide at bottom



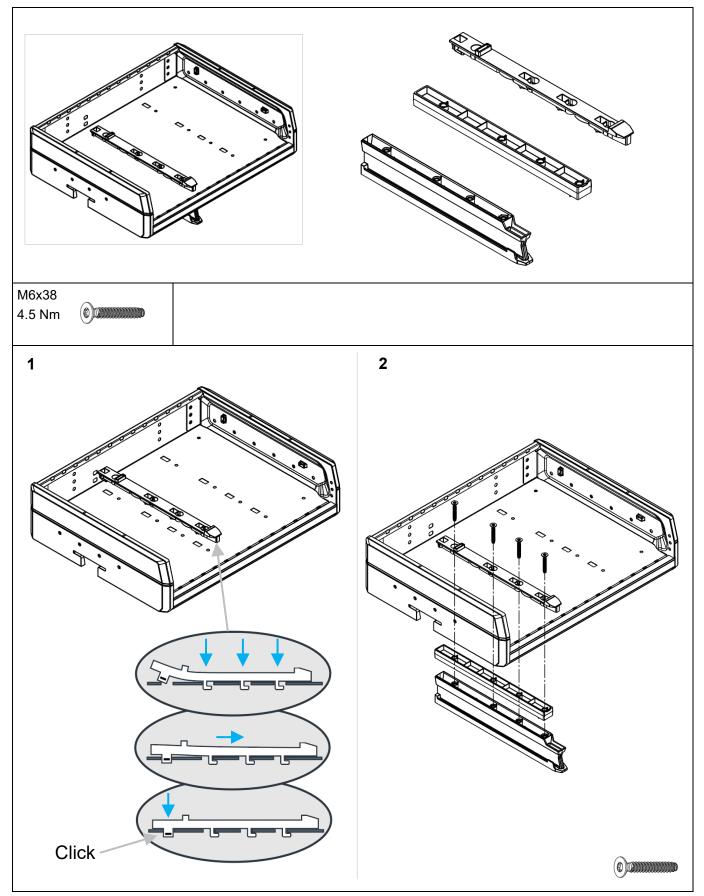


Plastic slide at bottom 04-0 FB03



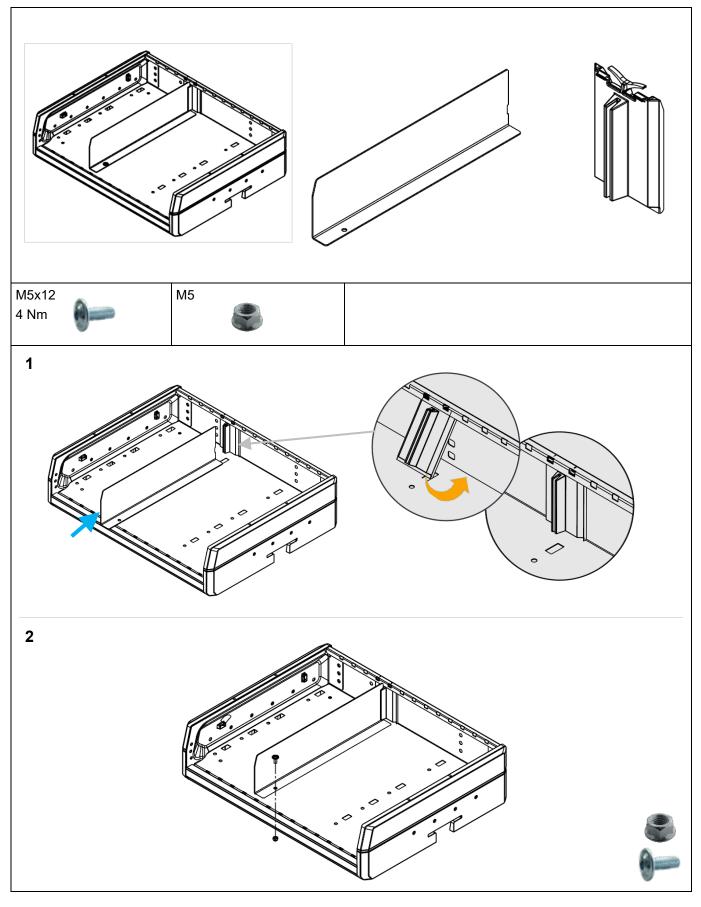


Plastic slide at bottom and top



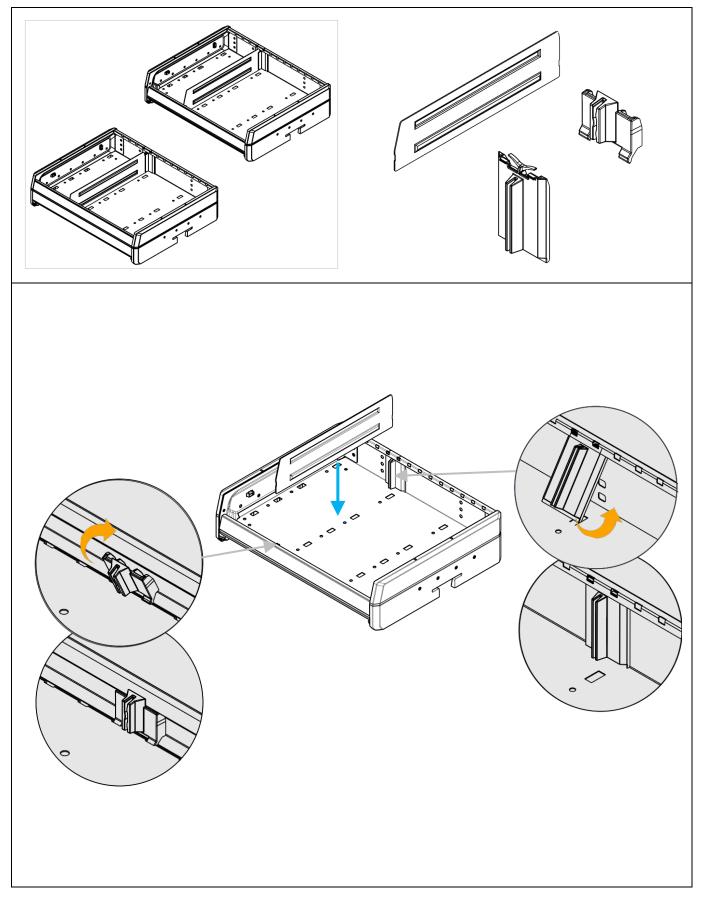


Divider for shelf



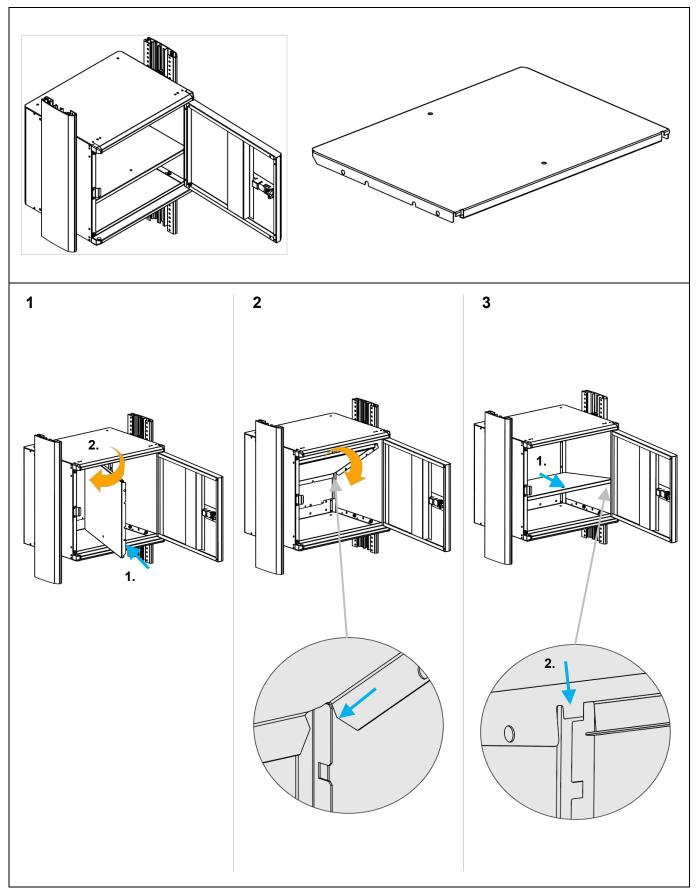


Divider for shelf with edge



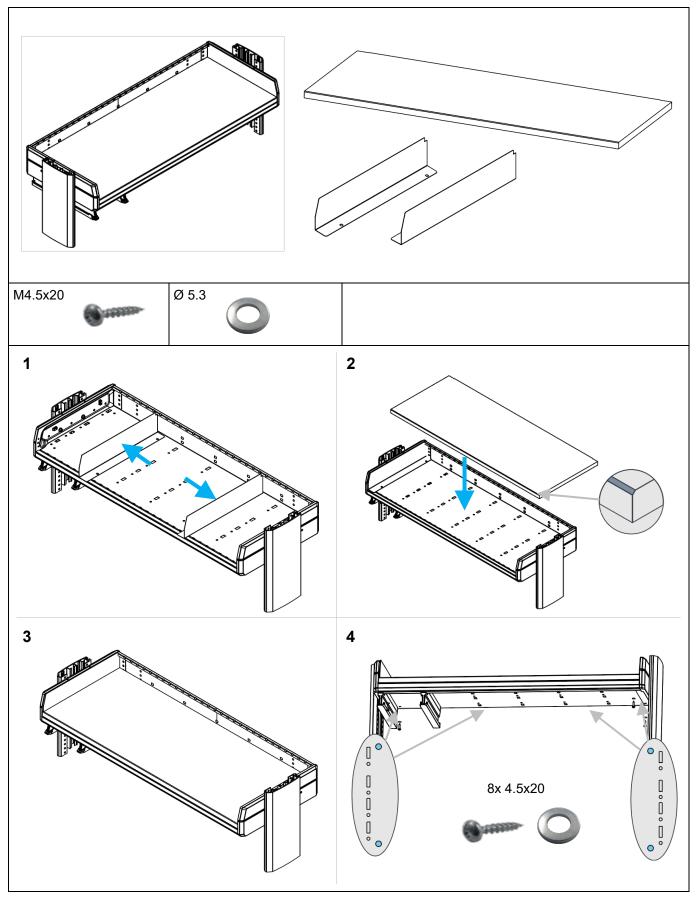


Universal cabinet shelf





Worktop shelf





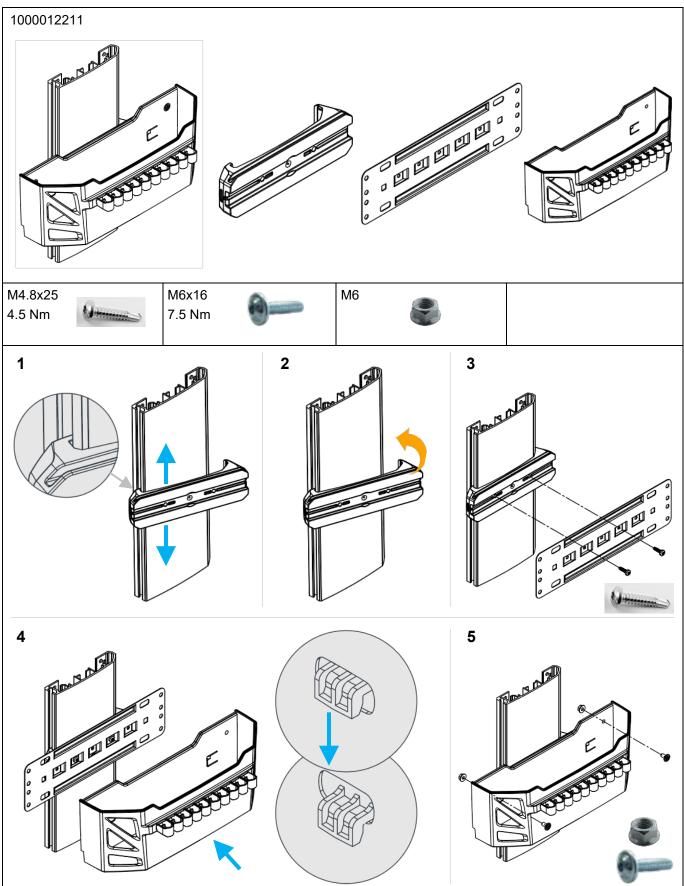
Installing side profile accessories

Logo carrier



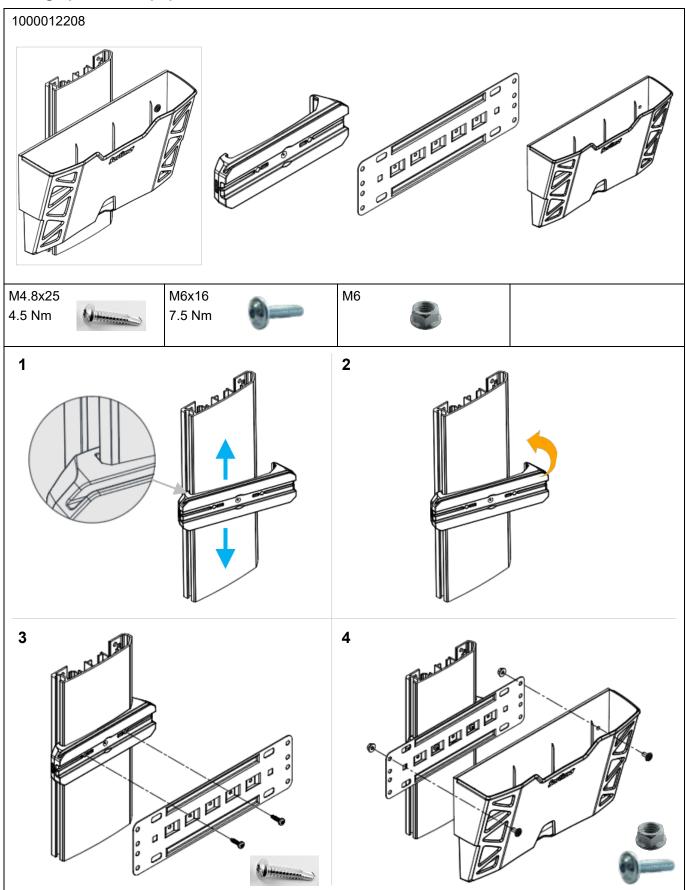


Storage pocket



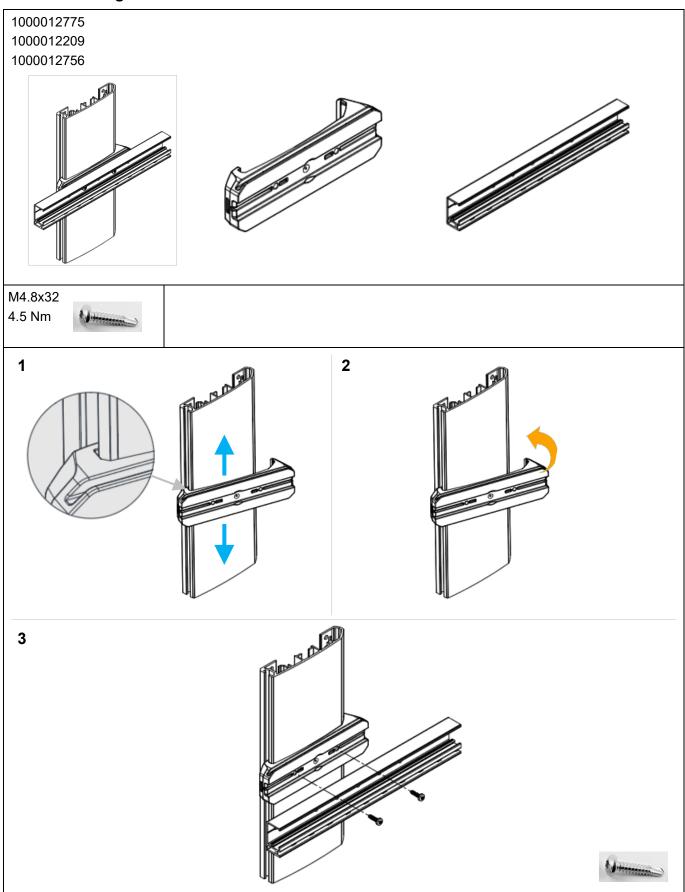


Storage pocket for paperwork



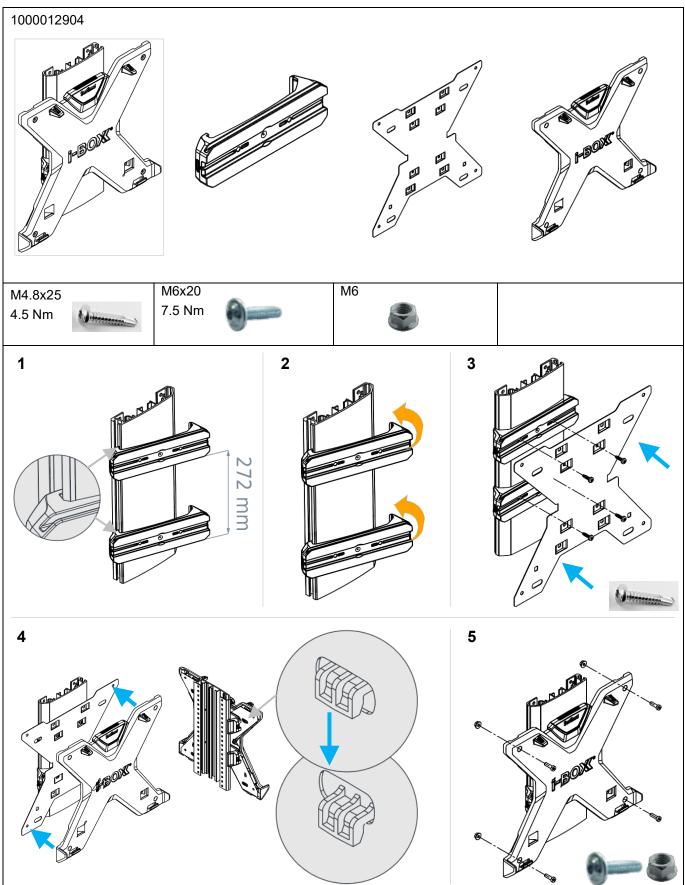


ProSafe lashing rail



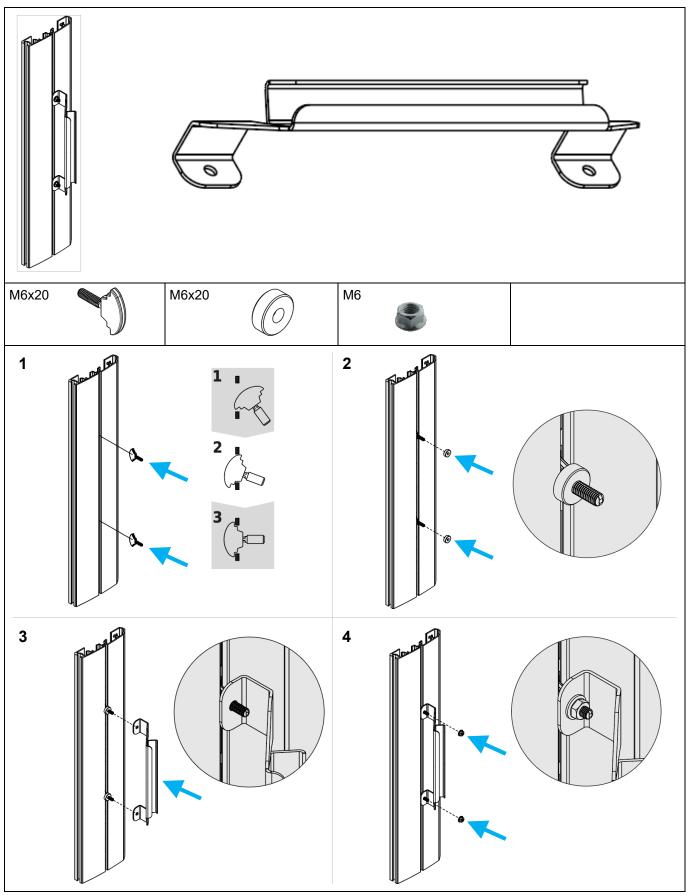


i-BOXX wall holder





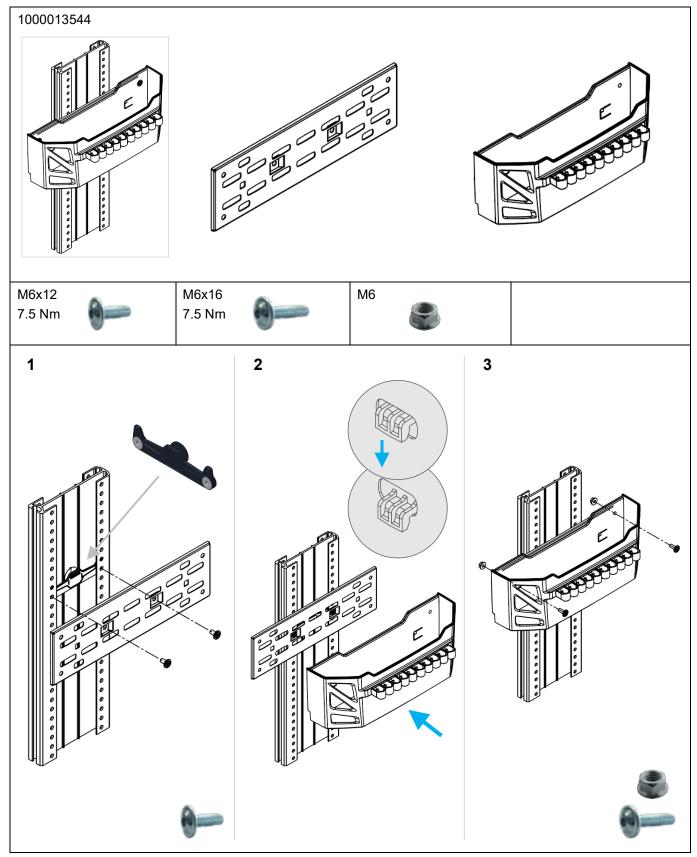
Grab handle





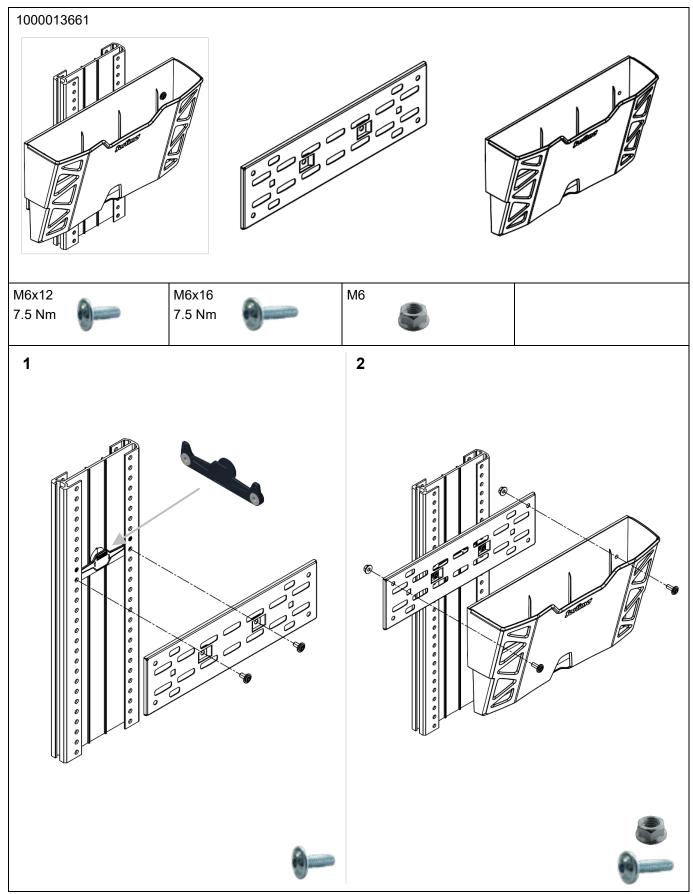
Installing intermediate profile accessories

Storage pocket



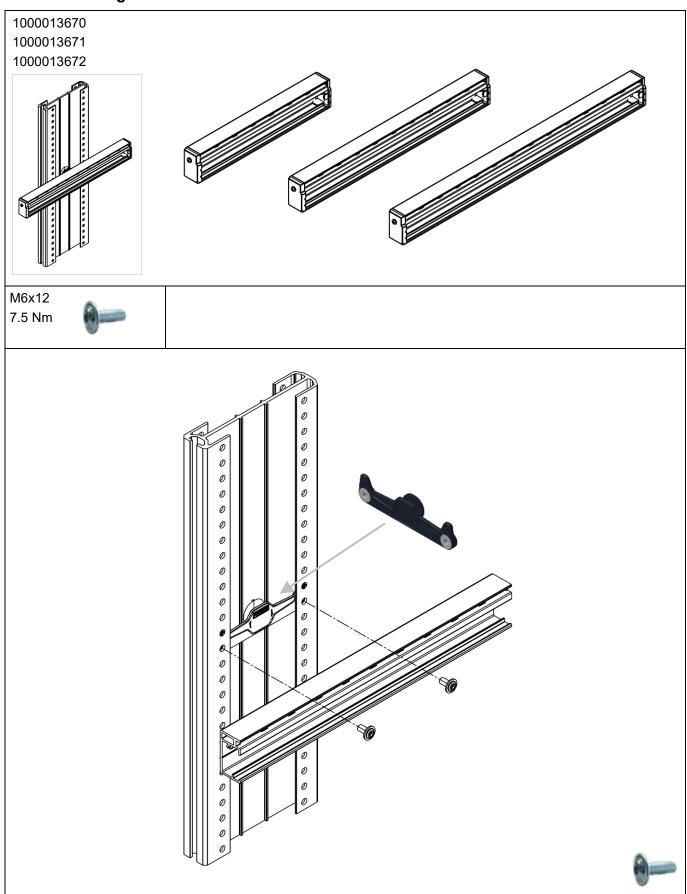


Storage pocket for paperwork





ProSafe lashing rail





i-BOXX wall holder

