SYSTEM 180

Assembly Manual

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1.1 Basic structure

1.1.1 Before you start …

System 180 furniture is built following a number of set general principles (see Figure "Assembly method"). Only by adhering to these principles can you ensure that all the components will fit together correctly, that the shelf self-aligns as required and that any later addition or extension to the module can be attached with ease. For this reason, please familiarize yourself thoroughly with this manual.

❶ **Familiarize yourself with the conditions at the location where you want to assemble the module:**
- **Is the assembly area clean and free of obstacles?**
- **Is the position where you want to place the module suitable for it?**
- **Are there any unexpected elements getting in the way in the area (skirting boards, power switches, sockets, piping, windows, etc.)?**

❷ **If it is not possible to guarantee that the module can be built as planned, then contact your client immediately!**

❸ **Before starting assembly, check carefully against the parts list that all components are have been delivered correctly. If you are assembling several System 180 modules at the same time, open the packages for only one module at a time.**

❹ **Familiarize yourself with the various parts of the module and sort them according to type and to what part of the module they belong to.**

❺ **Start assembly at the lower left-hand corner of the module. It is particularly important to assemble the first node of the module correctly, as any error will propagate throughout the entire assembly process. You will find instructions for the correct construction of the various types of nodes on the pages to follow.**

❻ **First complete the assembly of the lowest level of your shelving unit, and then work from bottom up and from left to right.**

! **Please note that shelves from a certain height - if not otherwise agreed with the customer - require a wall mounting (see chapter 12. Wall mounting)!**

To conform to DIN FB 147, EN 14073 Parts 2 and 3, and EN 14074, you will need to fit wall fixings from the following heights.

System depth	180	210	340	430	600	690	780	870
Open shelving from height (in cm)	always	105	170	215	300	345	390	435
with doors/drawers from height (in cm)	always	84	136	172	204	276	312	348

This instruction manual is designed exclusively for the use of personnel already trained by System 180. It is not recommended for untrained personnel to assemble 180 furniture.
All claims based on guarantee for furniture that has not been installed by personnel trained by System 180 shall be null and void.

1.1 Basic structure

1.1.2 Parts

System bolts System bolts are button-headed cylindrical M8x50 bolts with 5-mm hex sockets. System bolts are pushed through all the elements in each system node back to the connecting bar. As the bolt is tightened up, the embossed nodules on each component are pressed together into one another, resulting in a structure locked firmly into place. **Tip:** During assembly tighten each node up just enough so that the nodules grip into one another. This will make assembly much easier and is important for when the time comes to insert the system base components and any panelling.

System washers System washers are steel washers (measuring 30 x 30 x 2 mm), each embossed with 4 nodules and a central hole (ø 8.5 mm). They are designed to provide a termination piece and compensating element for each system node. On outermost nodes on a module they replace the standard pieces that would otherwise be there. Where side panels are used, they are placed in the position where the diagonal pieces would otherwise be placed. They are important in ensuring that the distance between all standard bars is equal. The system washer is always positioned on the outermost position of its node. (Exceptions: feet and casters). The nodules always face outwards during assembly. If the nodules are all aligned correctly, then all components will automatically sit in the nodes at right angles to one another.

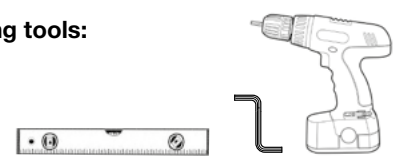
Standard bar (G) Standard bars are stainless steel tubes (20 x 1 mm) with flat-pressed ends and a pattern of nodules embossed them. To help you to see the system size in which a standard bar has been made, it is provided with a marking consisting of G + the system size (for example: G360, G720, …). The standard bars form the vertical and horizontal elements of the tube structure. Their length will depend on the height and width of the module they form part of. The nodules embossed onto all components should always face outwards during assembly. **Note:** From a module width of 810, horizontal bars are fitted with a pin to provide support to the system base panels. Please make sure that you assemble the correct standard bars in the correct positions.

Diagonal bar (D) The system diagonal bar is a stainless steel tube (20 x 1 mm) with flat-pressed, angled ends, each with embossed nodules facing outwards. The diagonal pieces are designed to provide stiffening to the tubular structure where no side pieces are included in the module. The length of diagonal bars will vary according to the height and depth of the module. There is a diagonal piece available for every system height and depth in the range. The diagonal pieces are always positioned in system nodes directly adjacent to the connecting bar. The nodules embossed onto all components should always face outwards during assembly. **Note:** Diagonal bars are not required where side panels are used.

Connecting bar (M) The connecting bar consists of a stainless steel tube (20 x 1 mm) with a threaded insert (M8) pressed into it at each end. The connecting bars are used as the counterpieces for the system bolts to firmly secure each system node together. Connecting bars run perpendicular to the front of the furniture module, back to the depth the system structure. There is a connecting rod of suitable length available for every system depth. **Note:** For all module depths of 780 and upwards, connecting bars are fitted with a pin to provide support to the system bases. Please make sure that you assemble the right connecting bars in the right positions. To ensure the result looks as it should, make sure while assembling that both ends of the connecting rod look like a vertical "+" sign when looked at end on.

Foot bases with level adjustment/foot brackets/casters Feet and casters are mounted on the outward-most position of the node. The adjustment devices on foot bases are designed to allow the furniture module to be levelled out using a spirit level and to even out any unevenness on the floor. Before assembly, twist all height adjustment devices completely into the foot base to give yourself the maximum amount of initial clearance possible. **Tip:** To ensure that you will be able to reach into the rearmost adjustment devices on the module, we recommend adjusting the height of the unit before fully assembling all its components (before inserting the bottom base panel in particular). Angled feet and casters provide no adjustment function to fine-tune relative heights. On hard floors (on parquet flooring, for example), use felt gliders for this purpose instead.

To assemble the skeletal structure you will need the following tools:
· 5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm
· Spirit level

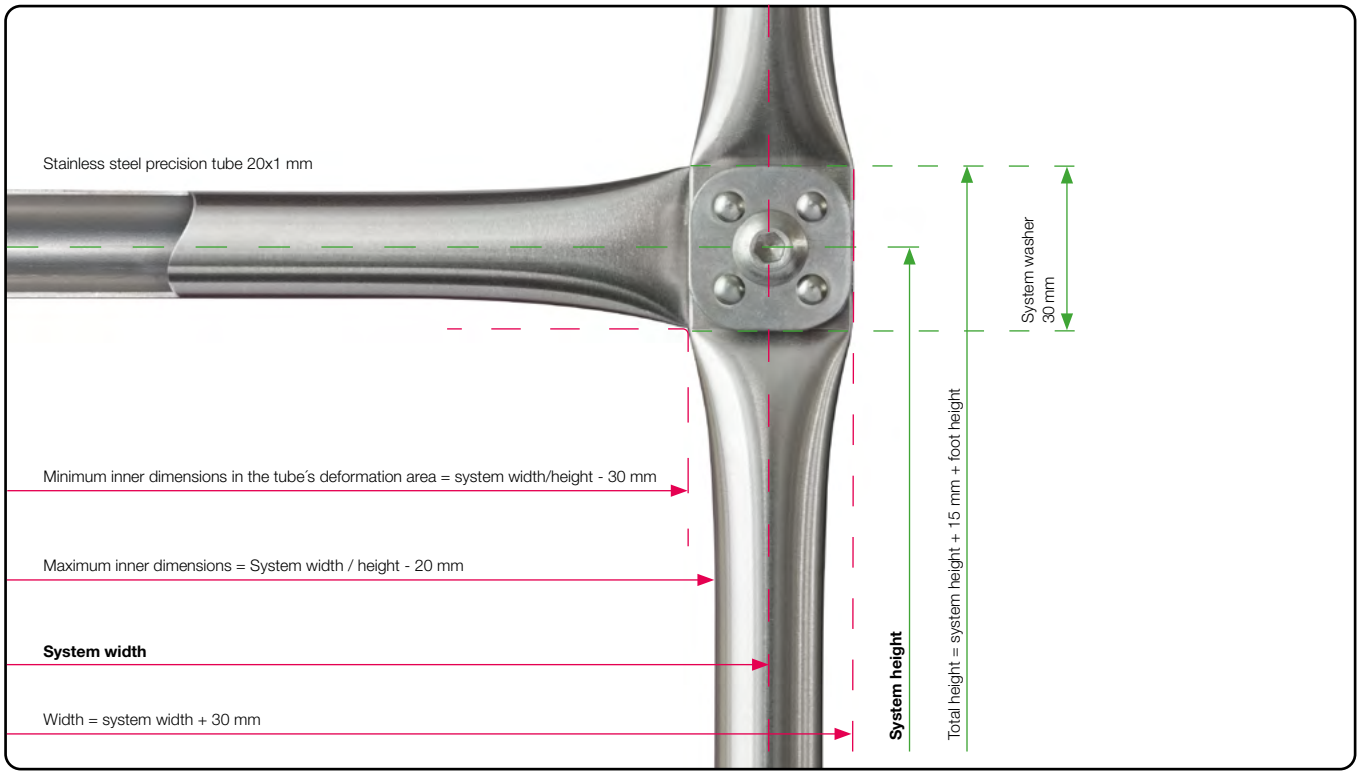


1.1 Basic structure

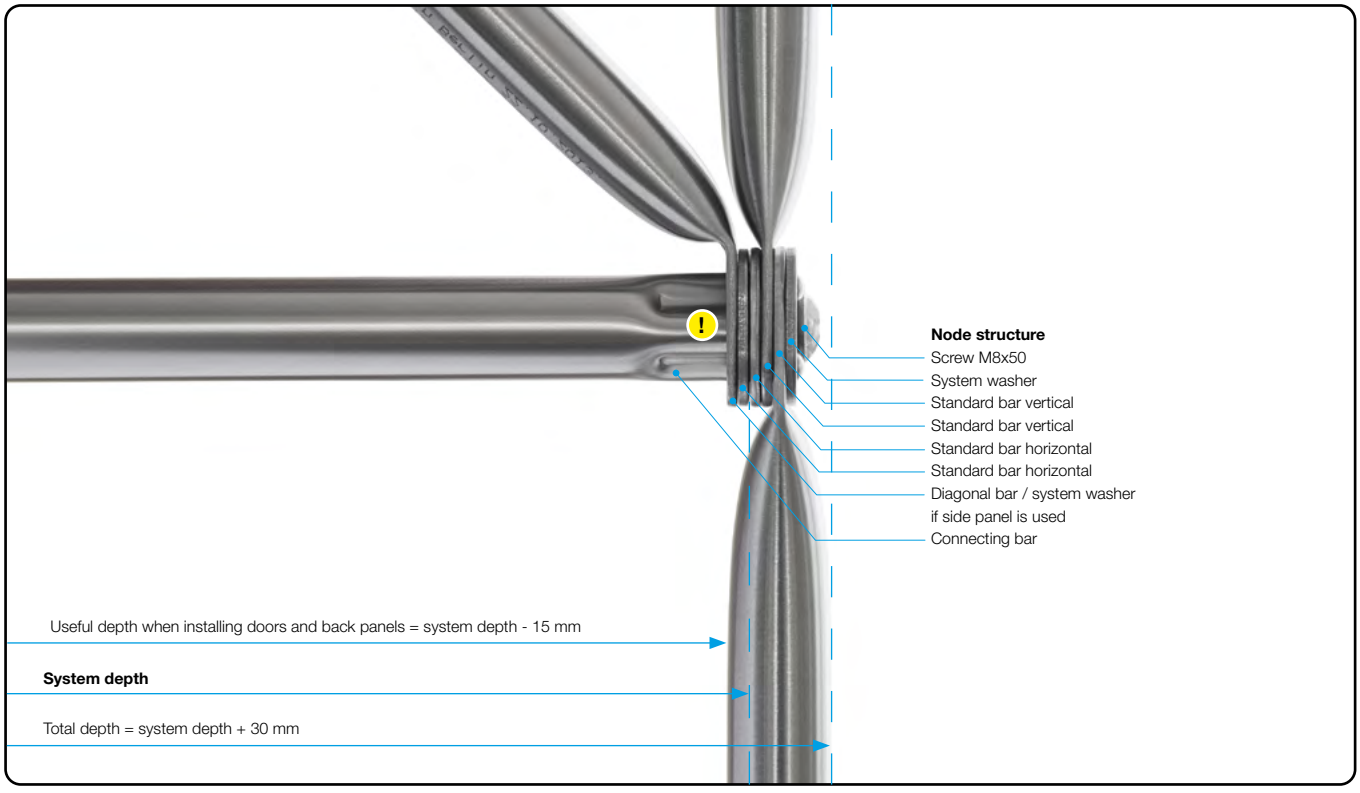
1.1.3 System measurements

! Make sure that the embossed nodules for all parts fit into one another smoothly.

Frontal view



Side view



1.1 Basic structure

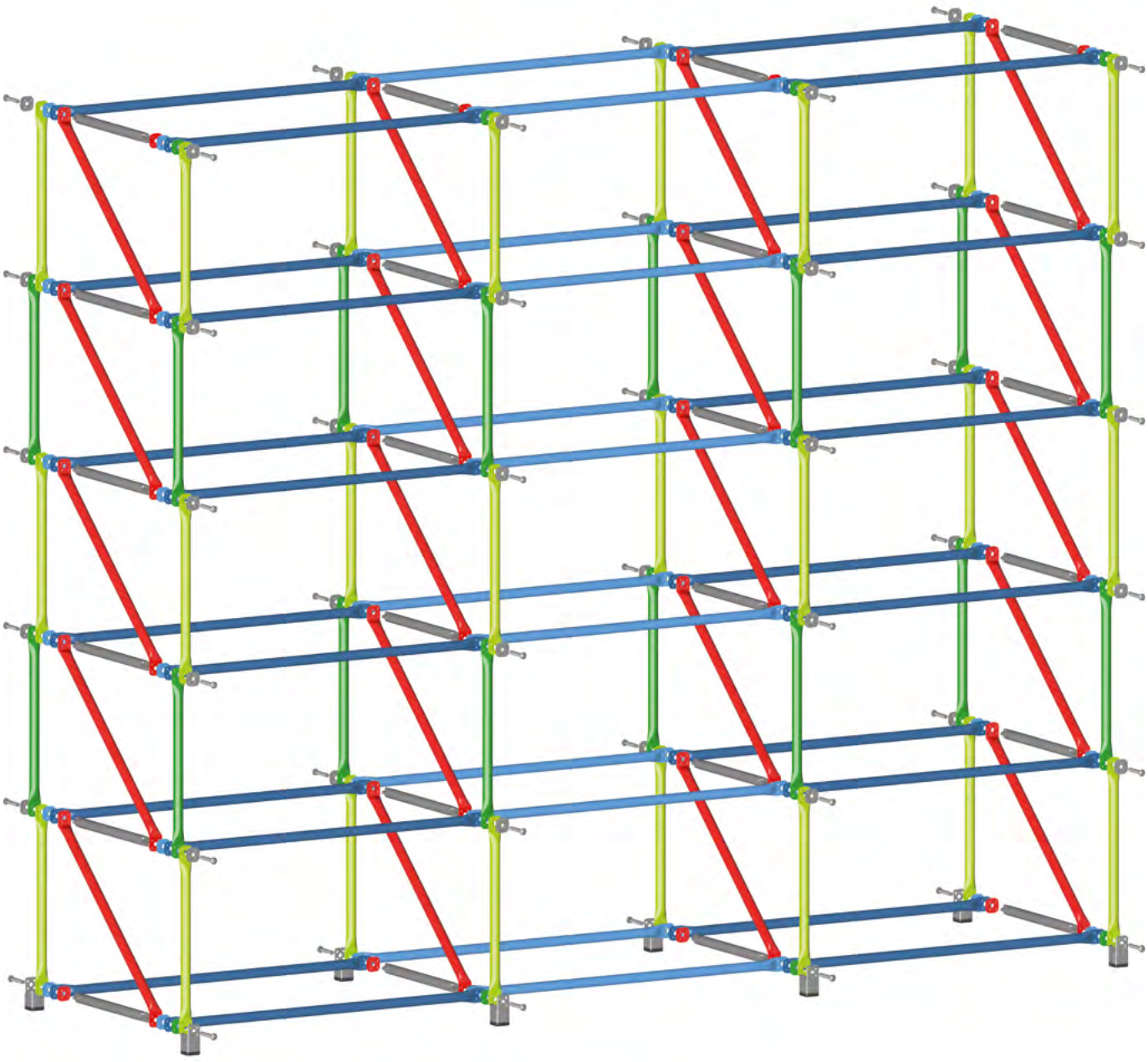
1.1.4 Assembly method

Note on assembly: To ensure that the distances between the vertical and horizontal bars on the front and rear of the shelving unit are always uniform, install them in a sequence offset from one another (see the illustration below).

! Diagonals should always run downwards starting at the front and upwards from the back!

! Be careful to ensure that there is always an equal distance between the front and rear bars:

- **dark blue to dark blue**
- **pale blue to pale blue**
- **dark green to dark green**
- **pale green to pale green**



1.1 Basic structure

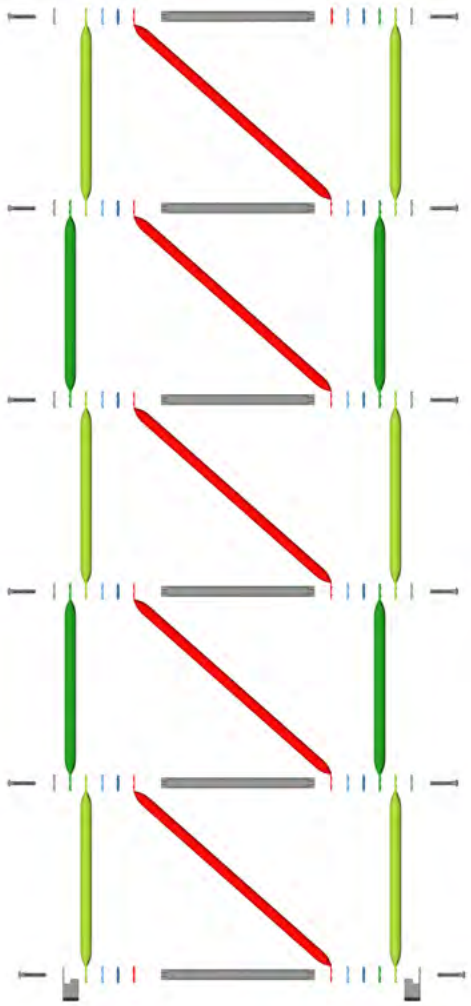
1.1.5 Vertical & horizontal offset of component parts

Note on assembly: To ensure that the distances between the vertical and horizontal bars on the front and rear of the shelving unit are always uniform, install them in a sequence offset from one another (see the illustration below).

! Be careful to ensure that there is always an equal distance between the front and rear bars:

- **dark blue to dark blue**
- **pale blue to pale blue**
- **dark green to dark green**
- **pale green to pale green**

Side view:

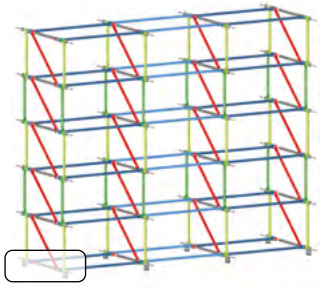


Overview:

1.1 Basic structure

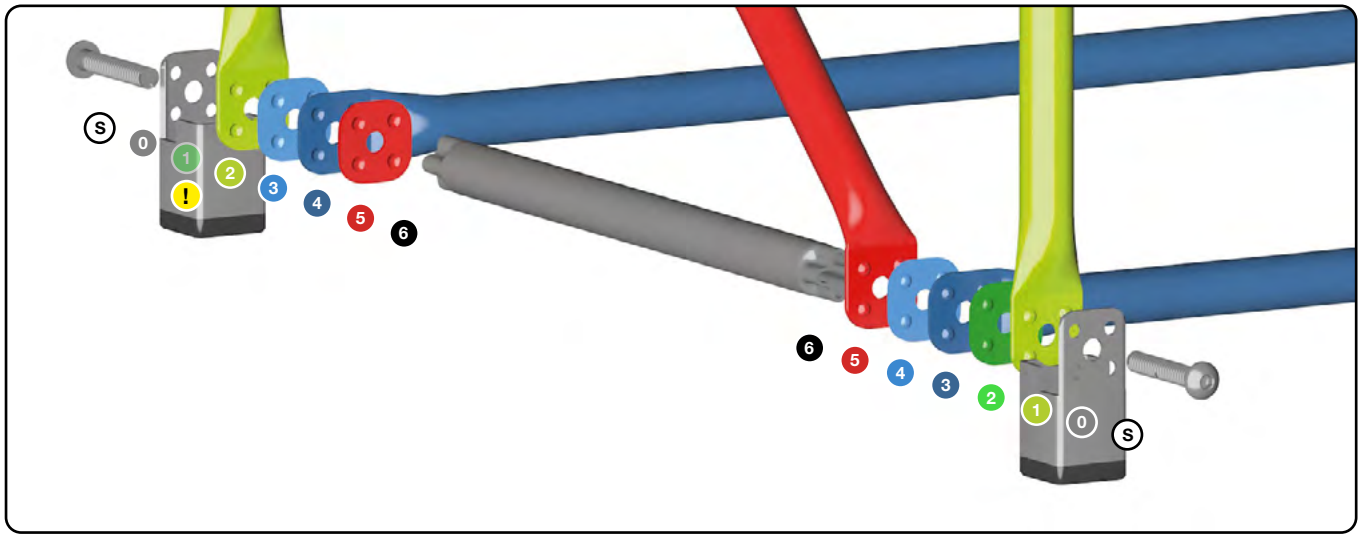
1.1.6 Assembly of corner nodes at bottom

Note on assembly: To ensure that the distances between the vertical and horizontal bars on the front and rear of the shelving unit are always uniform, install them in a sequence offset from one another (see the illustration below).



! Be careful to ensure that there is always an equal distance between the front and rear bars:

- **dark blue to dark blue**
- **pale blue to pale blue**
- **dark green to dark green**
- **pale green to pale green**



Rear:

- (S) Screw M8x50
- 0 Foot base
- 1 Not applicable (standard vertical bar A)
- 2 Standard vertical bar B
- 3 System washer replaces standard horizontal bar A
- 4 Standard horizontal bar B
- 5 System washer replaces diagonal bar
- 6 Connecting bar

Front:

- (S) Screw M8x50
- 0 Foot base
- 1 Standard vertical bar B
- 2 System washer replaces standard vertical bar A
- 3 Standard horizontal bar B
- 4 Standard horizontal bar A
- 5 Diagonal bar
- 6 Connecting bar

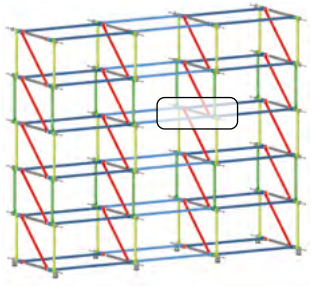
The gaps in nodes left by parts that are not required on such nodes should be filled by system washers.

! Exception: For reasons of visual aesthetics, and because they are not required from a structural point of view, the system washer in positions 1 can be dispensed with (see top rear nodes).

1.1 Basic structure

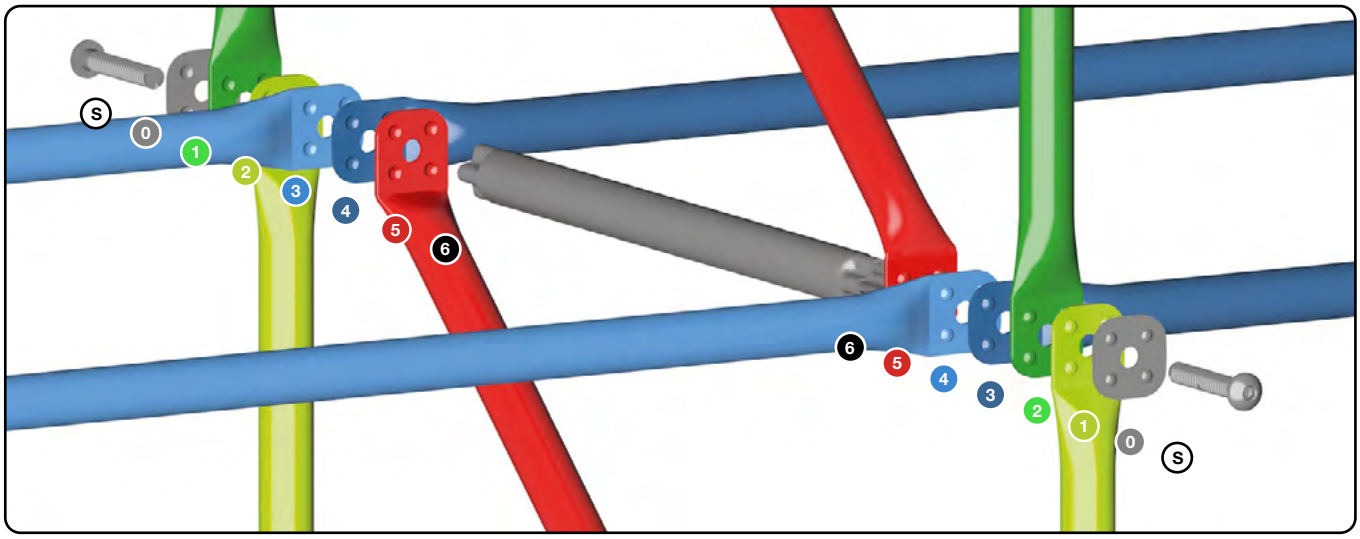
1.1.7 Assembly of central nodes

Note on assembly: To ensure that the distances between the vertical and horizontal bars on the front and rear of the shelving unit are always uniform, install them in a sequence offset from one another (see the illustration below).



! Be careful to ensure that there is always an equal distance between the front and rear bars:

- **dark blue to dark blue**
- **pale blue to pale blue**
- **dark green to dark green**
- **pale green to pale green**



Rear:

- (S) Screw M8x50
- 0 System washer
- 1 Standard vertical bar A
- 2 Standard vertical bar B
- 3 Standard horizontal bar A
- 4 Standard horizontal bar B
- 5 Diagonal bar
- 6 Connecting bar

Front:

- (S) Screw M8x50
- 0 System washer
- 1 Standard vertical bar B
- 2 Standard vertical bar A
- 3 Standard horizontal bar B
- 4 Standard horizontal bar A
- 5 Diagonal bar
- 6 Connecting bar

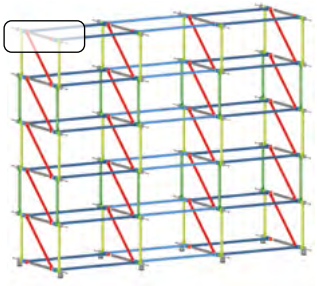
1.1 Basic structure

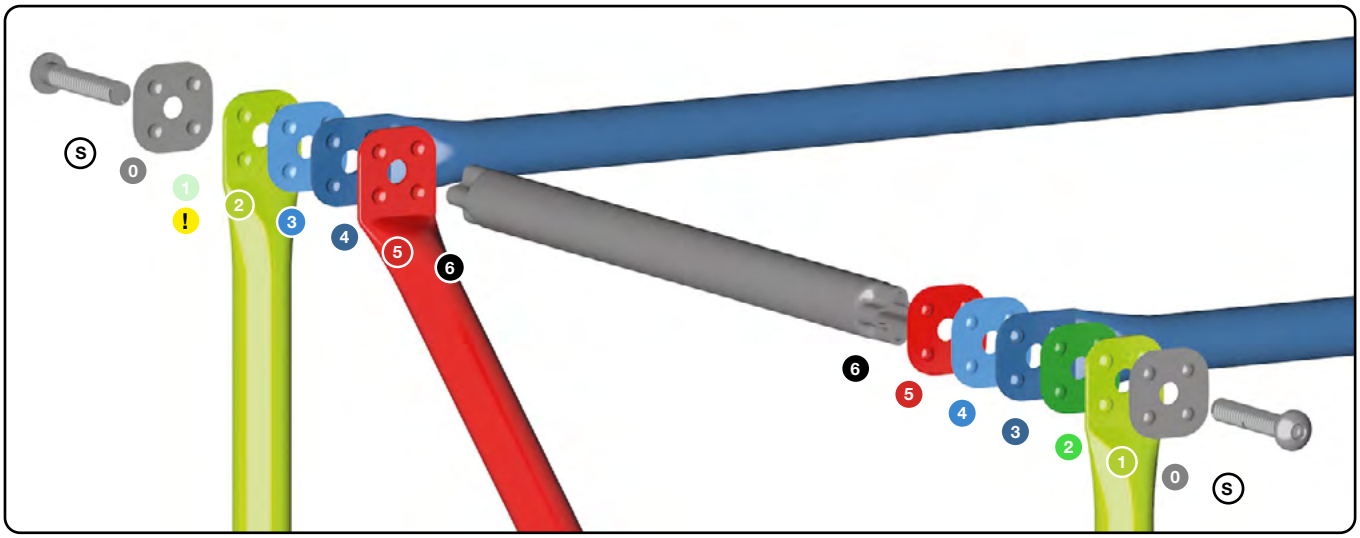
1.1.8 Assembly of corner nodes at top

Note on assembly: To ensure that the distances between the vertical and horizontal bars on the front and rear of the shelving unit are always uniform, install them in a sequence offset from one another (see the illustration below).

! Be careful to ensure that there is always an equal distance between the front and rear bars:

- **dark blue to dark blue**
- **pale blue to pale blue**
- **dark green to dark green**
- **pale green to pale green**





Rear:

- (S) Screw M8x50
- 0 System washer
- 1 Not applicable (standard vertical bar A)
- 2 Standard vertical bar B
- 3 System washer replaces standard horizontal bar A
- 4 Standard horizontal bar B
- 5 Diagonal bar
- 6 Connecting bar

Front:

- (S) Screw M8x50
- 0 System washer
- 1 Standard vertical bar B
- 2 System washer replaces standard vertical bar A
- 3 Standard horizontal bar B
- 4 System washer replaces standard horizontal bar A
- 5 System washer replaces diagonal bar
- 6 Connecting bar

The gaps in nodes left by parts that are not required on such nodes should be filled by system washers.

! Exception: For reasons of visual aesthetics, and because they are not required from a structural point of view, the system washer in positions 1 can be dispensed with (see top rear nodes).

1.1 Basic structure

1.1.9 Structure Alignment

! Before you start equipping the structure, it is essential to align it (adjustable feet are required). Otherwise, the adjustment possibilities of the accessories, especially doors and drawers, are limited or no longer available.

1.2 Surfaces

1.2.1 System bases

The system base panel provides the upper and lower surface of any system module. The system base panel is an MDF panel coloured right through in black with countersunk hollow fluting all round. At the front and rear edges, the system base panel has milled recesses for mounting accessories such as doorstops, cable management mountings or wardrobe rails. The open sides of milled grooves should always face downwards during assembly. As a optional extra, system base panels can be fitted with cable outlets. In some special cases it may be that a milled recess is made only on the front side of the component.

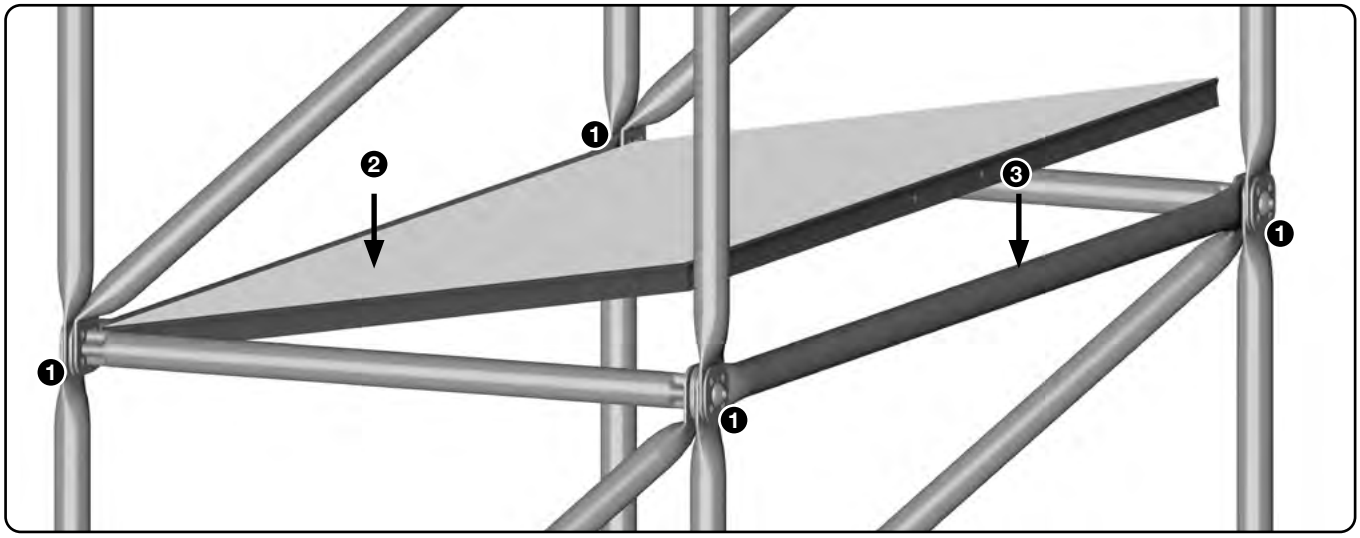
! **The open side of the recess for mounting accessories should be facing downwards.**

❶ **Loosen the four bolts on the system nodes (with the more simple modules, loosening two bolts may be sufficient). To stabilize the nodes, the bolts should remain loosely screwed into the thread of the connecting bar.**

❷ **First position the base panel on the front side of the shelf. Otherwise the piece‘s diagonals will get in the way.**

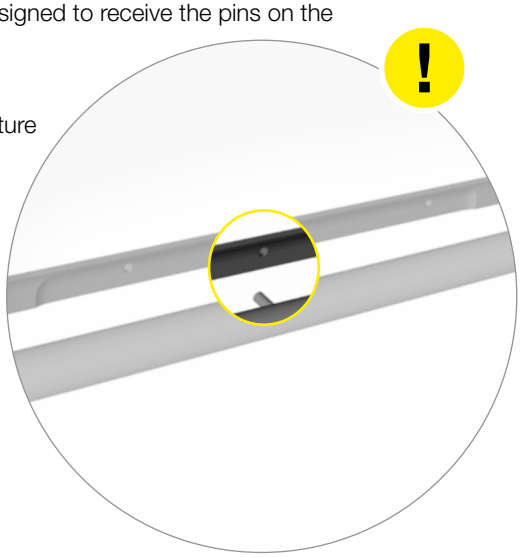
❸ **Now set the base panel down into the rear side of the piece.**

❹ **Then tighten up the bolts once more.**



! **From a system width of 810 and from a depth 780**, system base panels are supported by pins in addition to the support provided by their positive form fit. For this purpose, base panels are provided at front and rear with a third borehole halfway along their length, which serves as a counterpart for the pins on the horizontal bars. The base panels are also provided with milled pocket recesses opening to the underside. These recesses are designed to receive the pins on the connecting bars.

! **Note:** Be careful to fit these standard and connecting bars correctly. For furniture with a width of 810 or over, it will be necessary to re-loosen the front nodes to achieve the play you need to easily install all components correctly. Place the base panel with the rear groove into the module and press it in place from above. To do this, the front standard bar should be pulled forward by a distance equal to the length of the pin.



1.2 Surfaces

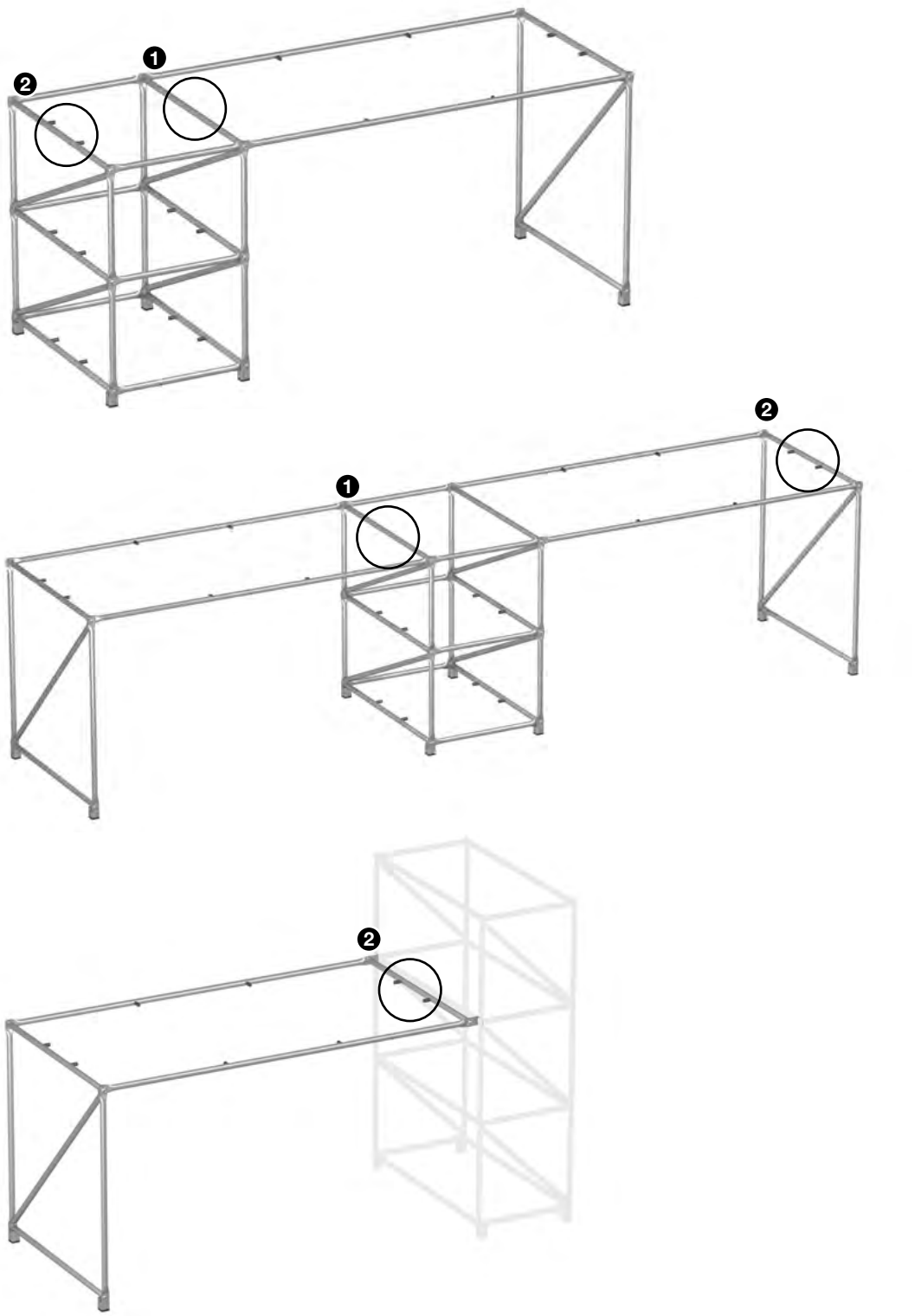
1.2.2 Connecting bar for work surface/system base

Note on assembly Connecting bars between work surfaces do not need to be secured using pins. See Point ❶
If the connecting bar is located at an outer edge, then pins will be required from system depth 780 (M772) and greater.
See Point ❷

! From a depth of 780 upwards

The base panels are also provided with milled pocket recesses opening to the underside. These recesses are designed to receive the pins on the connecting bars (see next page).

! Note: Be careful to fit these connecting bars correctly.



1.2 Surfaces

1.2.3 Side panels

Side panelling provides the lateral outer surface in some modules. The side panelling is made of an MDF panel coloured right through in black with countersunk hollow fluting all round. Side panelling is available for all system heights and depths. On their inner surfaces, side panels are provided with rows of holes inside a flat groove (using a 30-mm drill grid). **N.B.:** the milled finish of the drilled holes has sharp edges. When required, System 180 can provide side panels without these rows of holes. Cable outlets and vertical cable guides are available as optional extras. The rows of holes can be used for inserting shelf base panel holding pins and/or door fittings and mountings for drawers.

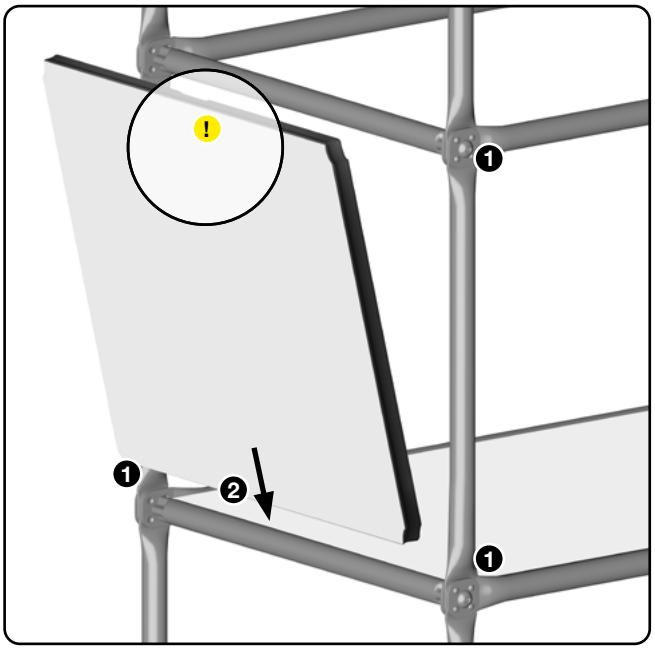
Side panels have a rounded slot, which should be facing inward and upward when assembled.

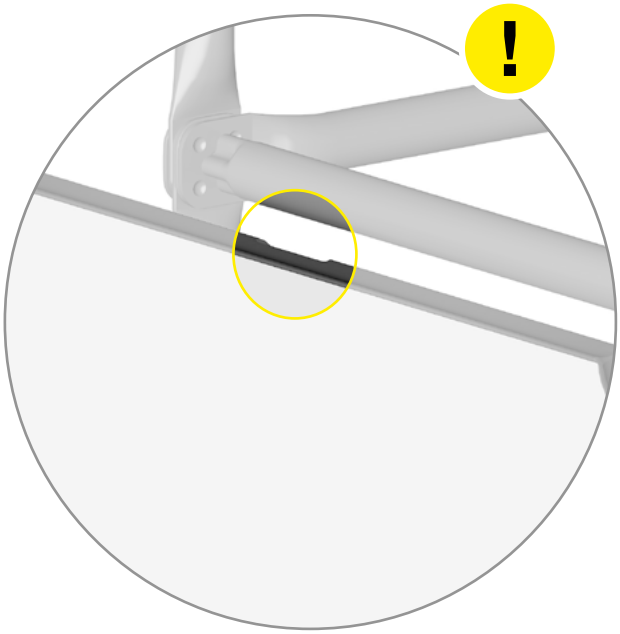
1 Loosen the two bolts on the nodes positioned on the front side of the shelving and on the lower side at the back.

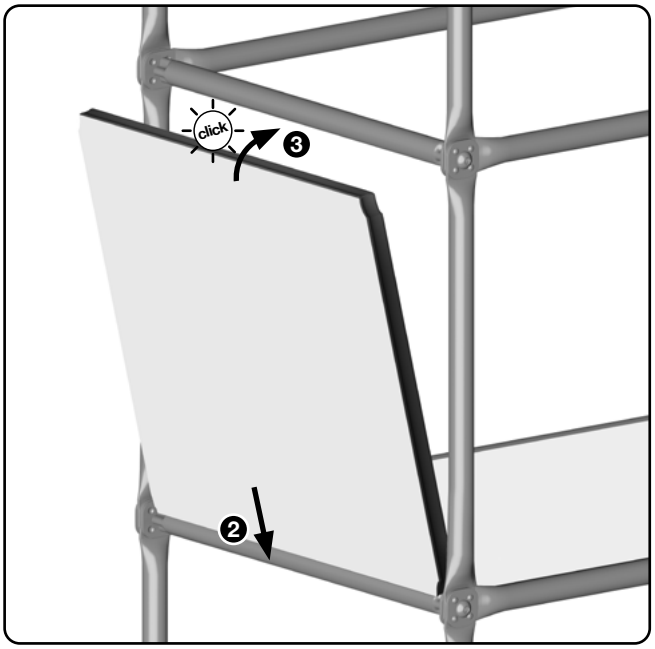
2 Position the groove against the lower connecting bar.

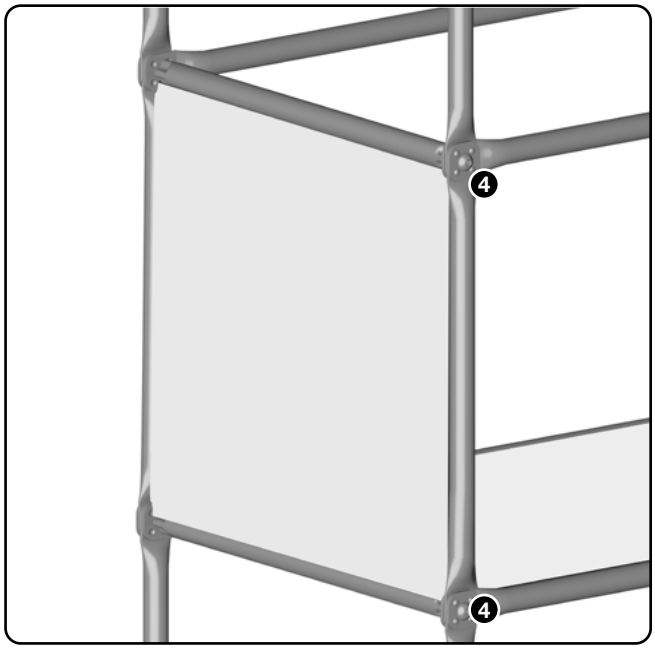
3 Clip the side panelling into the tubular frame.

4 Then tighten up the bolts once more.









1.2 Surfaces

1.2.4 Rear / Front panelling

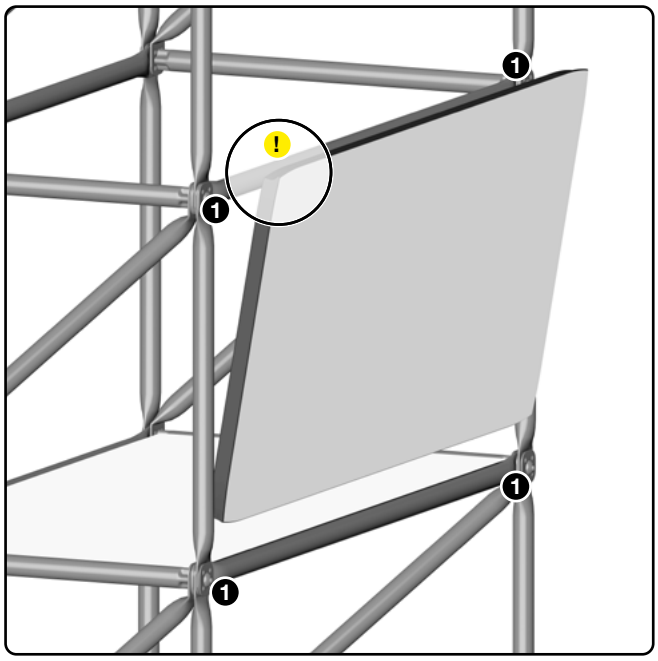
The rear panelling is made of an MDF panel with grooves milled into it at top and bottom. The lower edge of this groove should face the interior of the module. The rear panelling will generally form the rear exterior surface of its module. In some isolated cases (e.g. with counters, bars, etc.) rear surfaces can also be designed to provide the front side of furniture pieces as closed frontal panels.

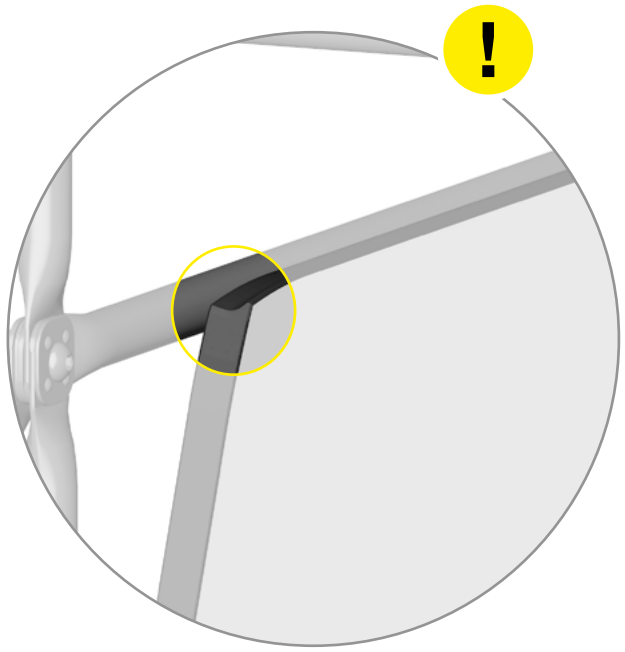
! The lower edge of grooving on the upper and lower sides of the panel should face inwards when assembled!

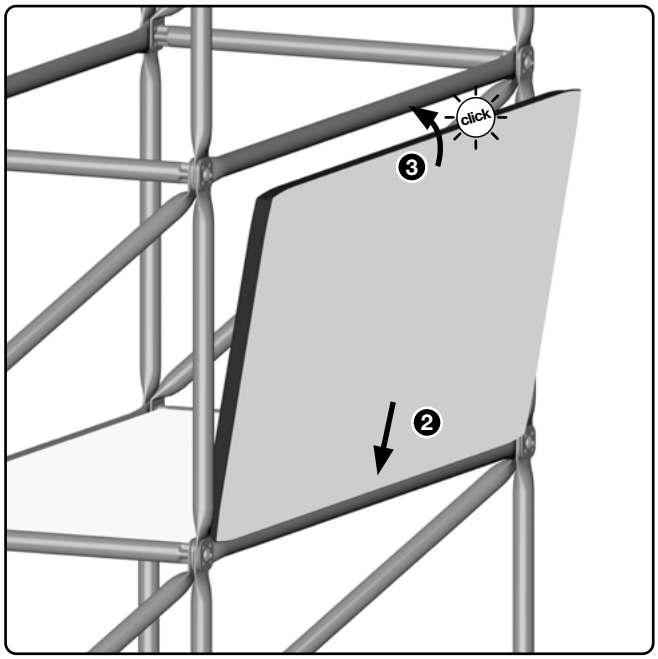
❶ Loosen the bolts for the four neighbouring nodes.

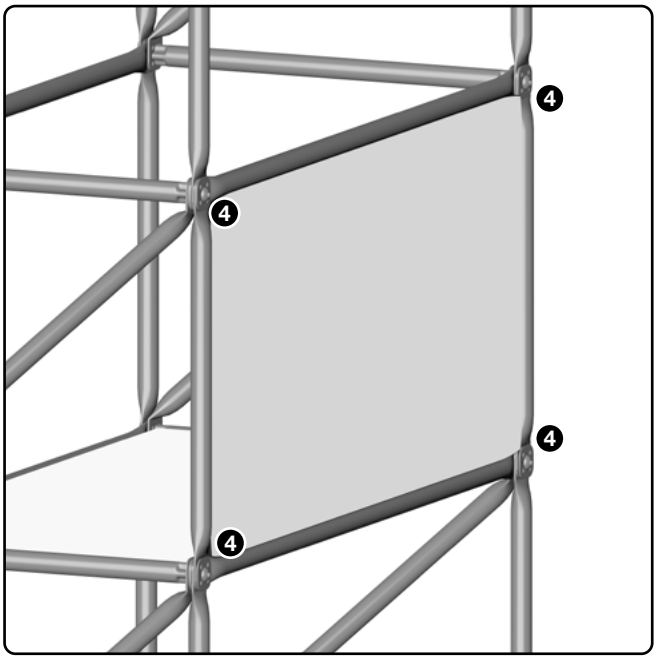
❷ Position the groove against the lower standard bar.

❸ Clip the rear panel into the tubular frame.
Then tighten up the nodes once more.









1.2 Surfaces

1.2.5 Base panel for cabinet door

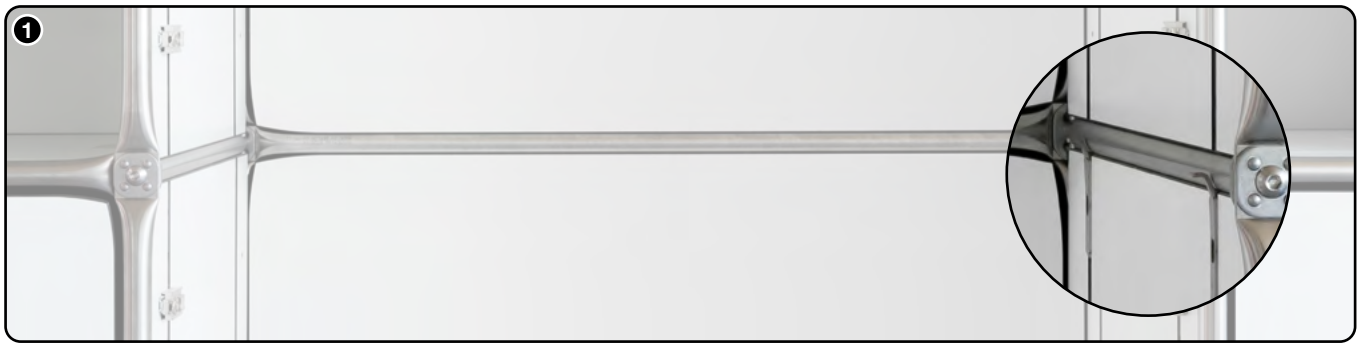
! Make sure when inserting the system base panel that the base fastening elements are placed face down.

❶ Insert 2 base support pieces in the 2 rows of holes in each side panel with their "nose" facing upwards.

❷ Now position the system base panel in the module with the straight edge / reinforcing angle facing forwards, so that it rests on the connecting bar.

❸ Press the system base panel carefully into position.

! Make sure that you close the fastening elements at the end.

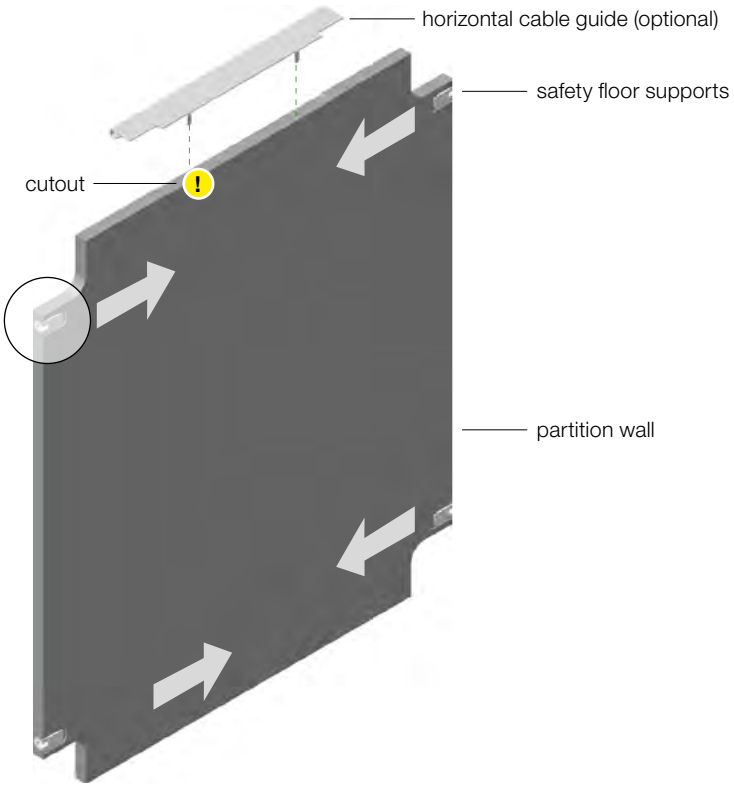


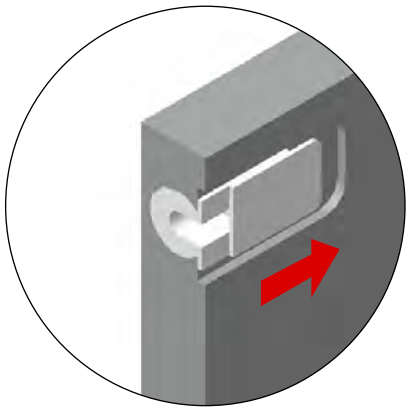
1.2 Surfaces

1.2.6.1 Partition walls

❶ **Slide all safety floor supports inwards to open them.**
Optional: Insert the horizontal cable guide into the holes provided in the partition wall.

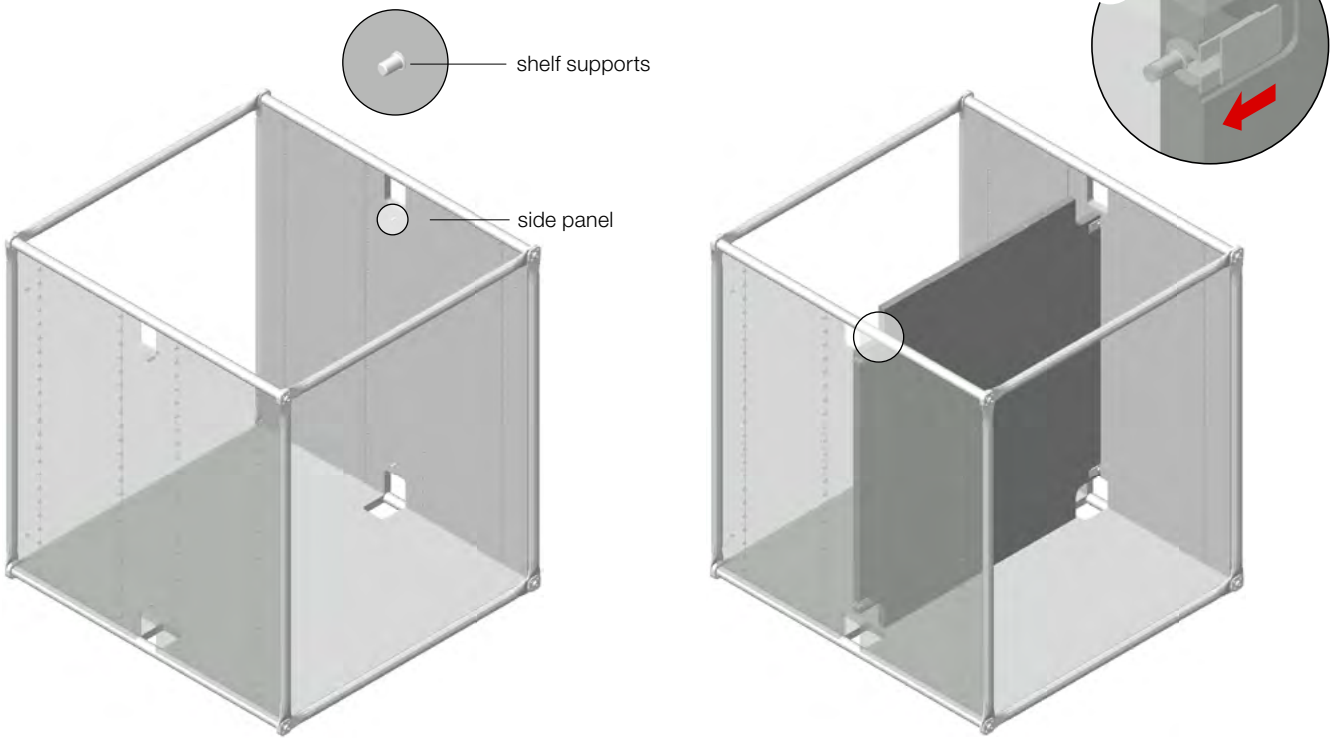
! **Make sure that the cutout for the cable guide is always at the top (even if you do not need a cable guide)!**





❷ **Place the partition wall in the module by fitting the safety floor supports on the shelf supports.**

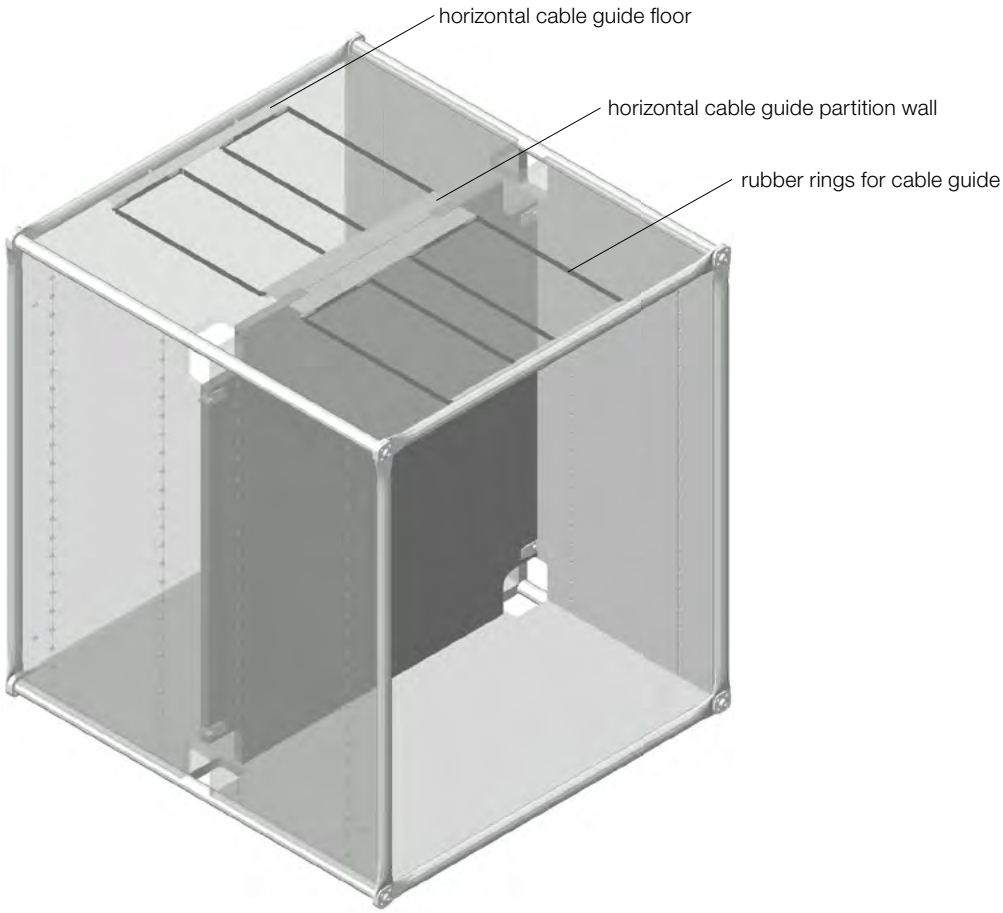
! **Make sure to close the safety floor supports again (push them outwards)!**



1.2 Surfaces

1.2.6.1 Partition walls

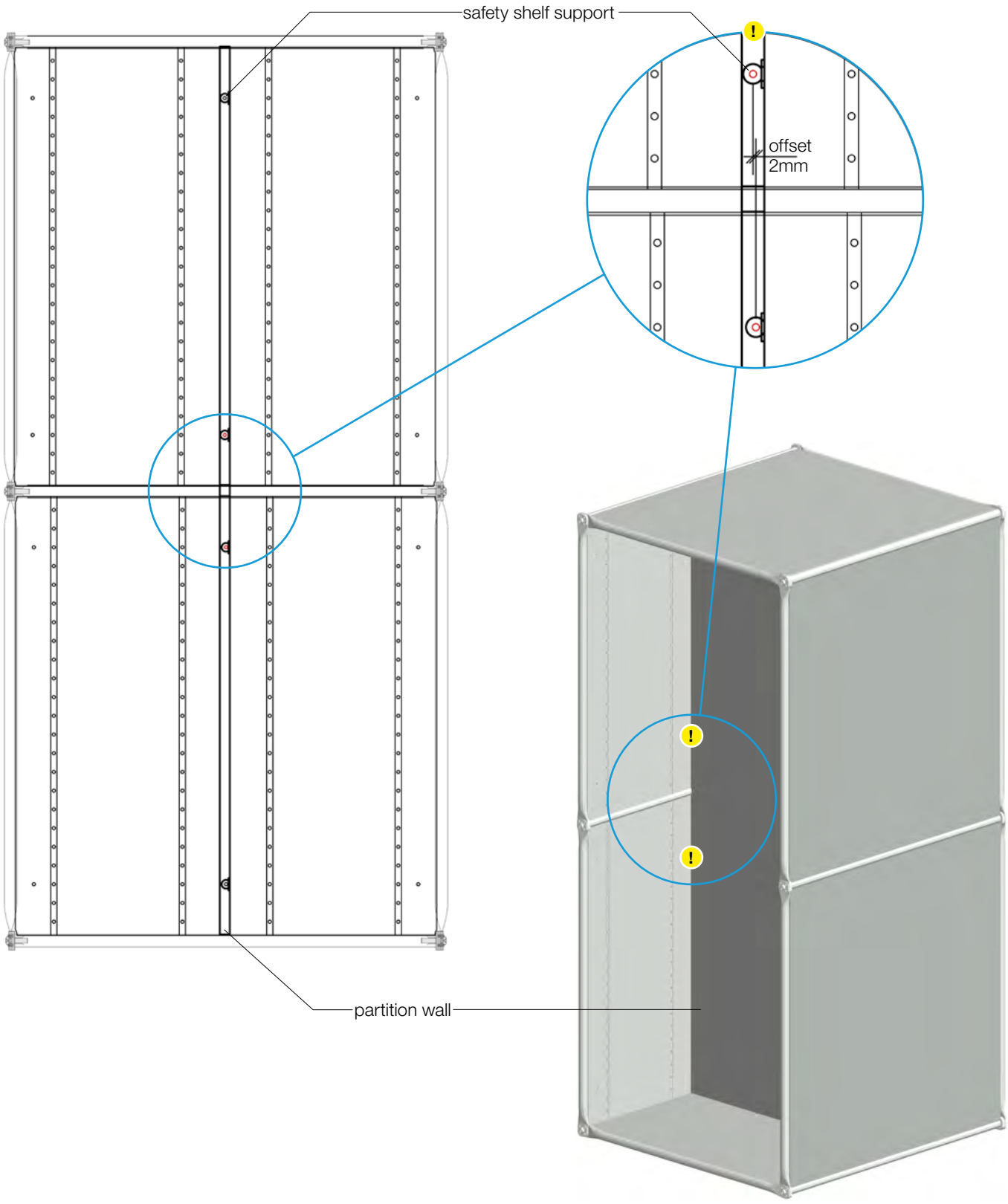
❸ Optional: Attach the rubber rings to the cable guide.



1.2 Surfaces

1.2.6.2 Double-height partition walls

! Note: When inserting the double-height partition wall, it is important to pay attention to the system-related offset of 2mm between the vertical side panels!

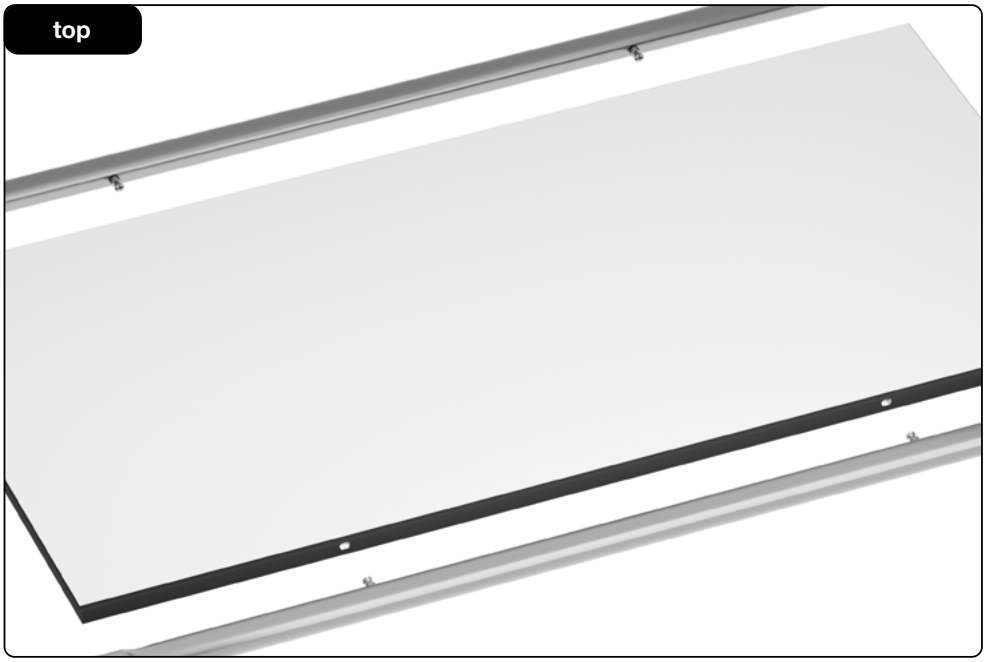


1.2 Surfaces

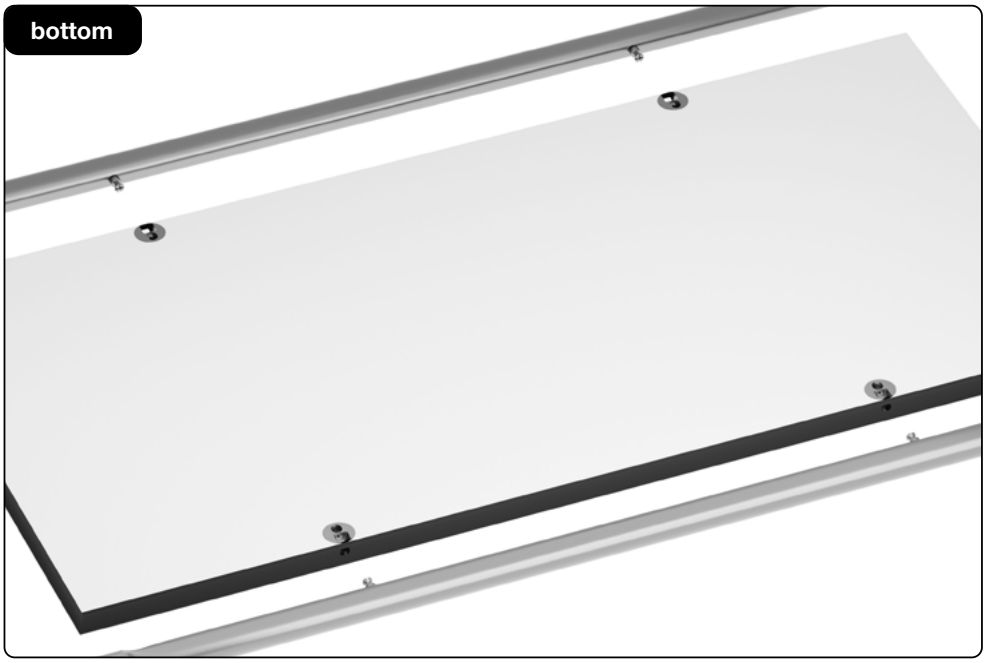
1.2.7 Base panel seating

! Attention: The system base panel and straights must be equipped with Rafix connectors!

top



bottom

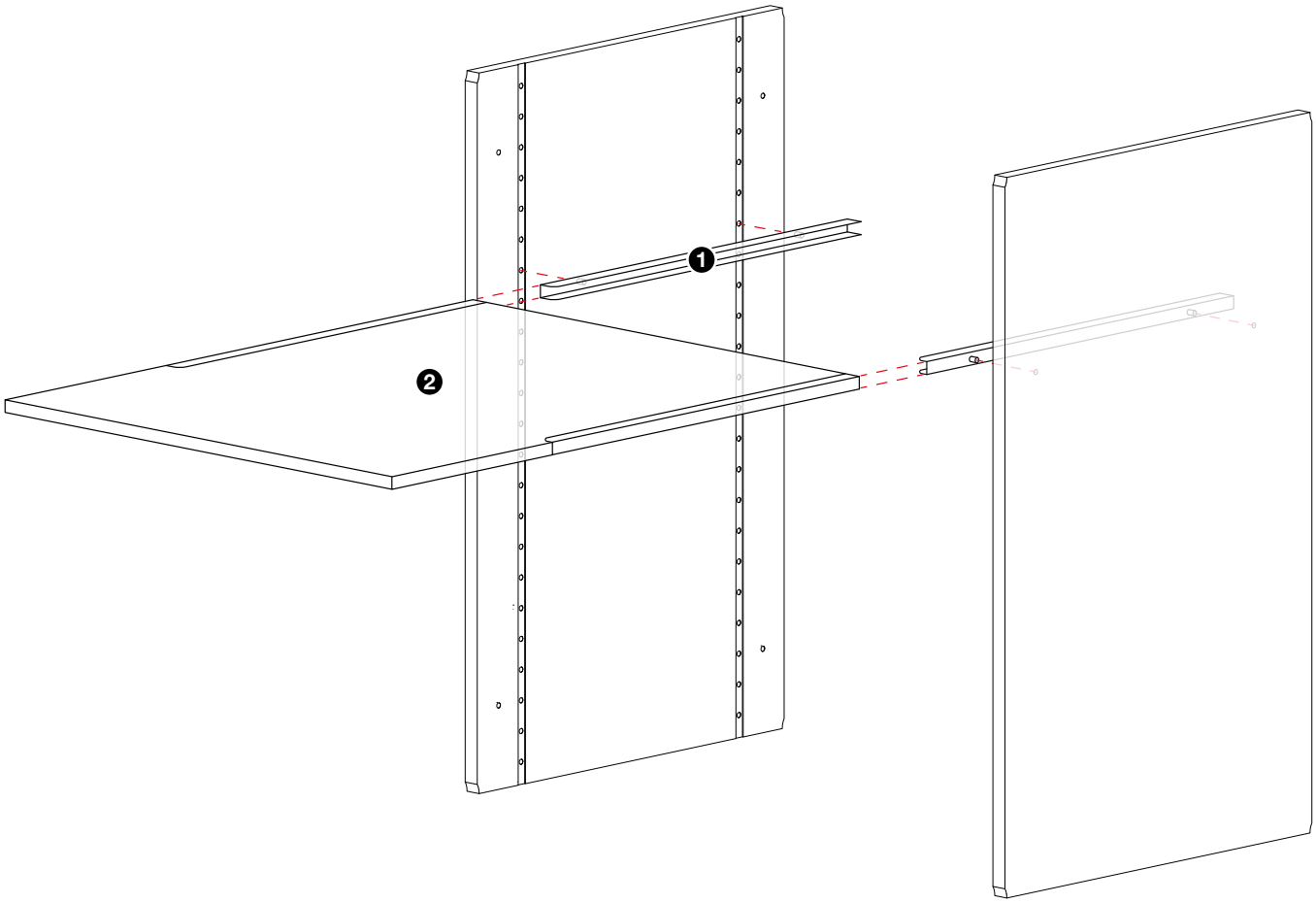


1.2 Surfaces

1.2.8 Desktop panel

❶ **Fasten the mounting brackets with the pins in the corresponding holes of the side panels.**

❷ **Now slide the desktop panel, milled side first, into the mounting brackets.**



2.1 Doors

2.1.1 Before you start …

❶ **Familiarize yourself with the conditions at the location where you want to assemble the module:**
· Is the assembly area clean and free of obstacles?
· Is the position where you want to place the module suitable for it?
· Are there any unexpected elements getting in the way of the area (skirting boards, power switches, sockets, piping, windows, etc.)?

❷ **If it is not possible to guarantee that the module can be built as planned, then contact your client immediately!**

❸ **Before starting assembly, check carefully against the parts list that all components are have been delivered correctly. If you are assembling several System 180 modules at the same time, open the packages for only one module at a time.**

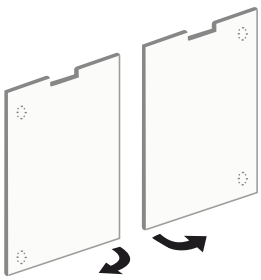
❹ **Familiarize yourself with the various parts of the module and sort them according to type and to what part of the module they belong to.**

You will need the following tools to mount and adjust doors:
· Phillips head screwdriver PH2/PZ2

This instruction manual is designed exclusively for the use of personnel already trained by System 180. It is not recommended for untrained personnel to assemble 180 furniture. All claims based on guarantee for furniture that has not been installed by personnel trained by System 180 shall be null and void.

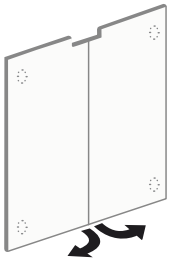
2.1 Doors

2.1.2 Overview of types and handles



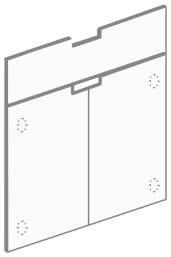
Single-leaf doors

· Up to and including system depth 540
· Stop either on the right or left
· Handle always centred at the horizontal line



Double-leaf doors:

· From system width 630
· Both doors stop either on the right or left
· 1/2 handle always centred

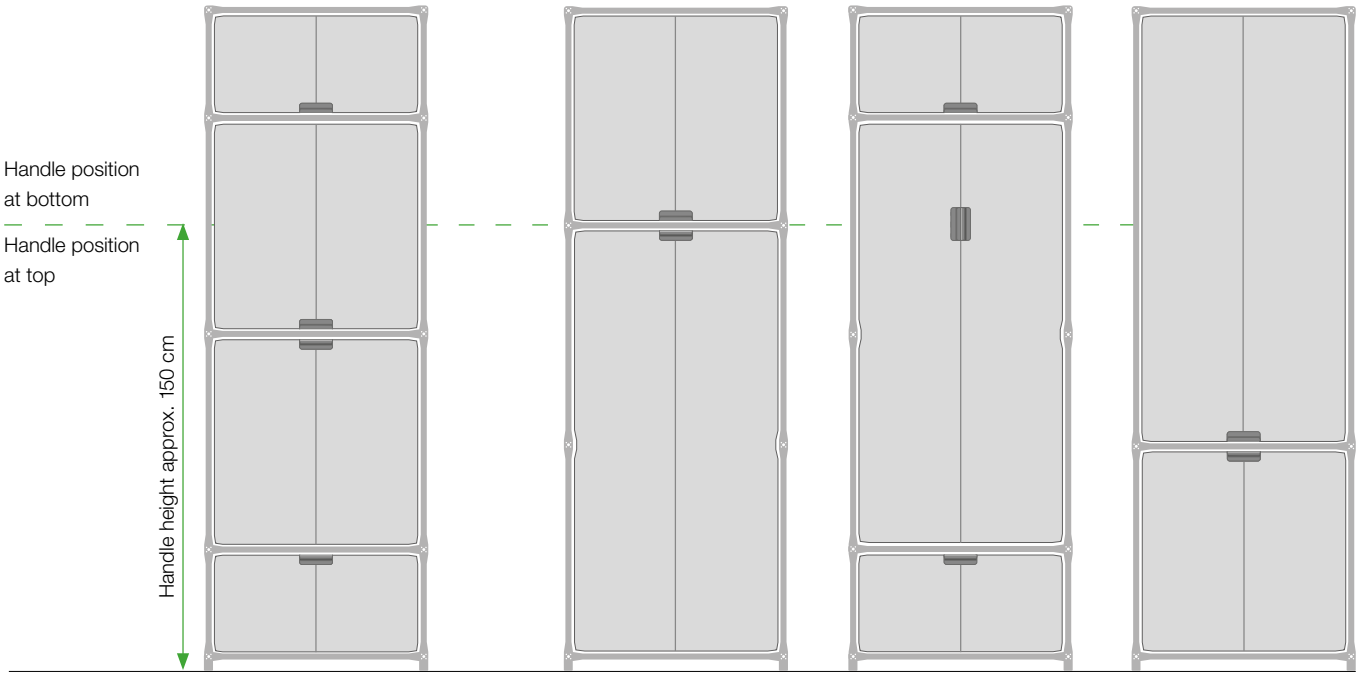


Doors under drawers (combined fronts)

· From system width 630

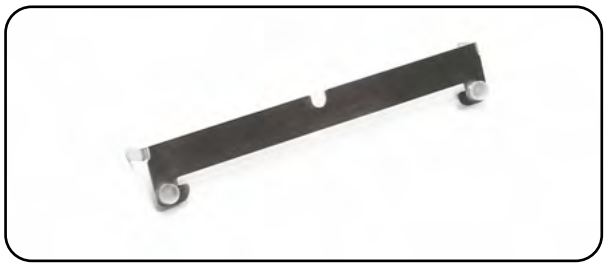
Handle positions for doors

Handle positions for cabinet doors



2.1 Doors

2.1.3 Assembly of stop brackets for doors/drawers



Door stop brackets:

- are inserted into the bore holes in the corresponding base panel
- are supplied in the correct numbers in the shipment
- are inserted into the corresponding base panel edges

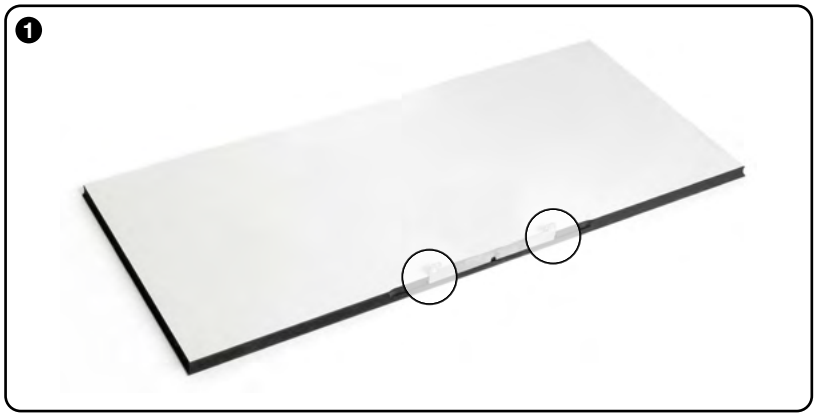
! Make sure that the door stop brackets have their silicon inserts, as shown in the illustration.

❶ Lie the base panel corresponding to the top edge of the door upside down and insert the door stop bracket into the bore holes made for it, as shown in the illustration.

❷ Loosen the module‘s front node at the location where you are going to insert the base panel. First set the base panel down on its rear standard bar and tilt it forward until it is sitting between the tubes.

❸ Close up the nodes again.

❶



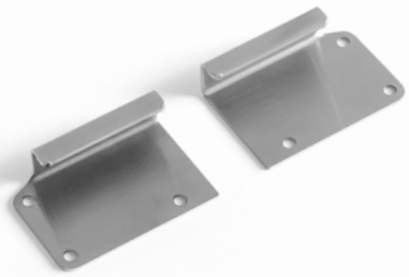
❷

❸

2.1 Doors

2.1.4.1 Add door handles for double-leaf door

1x

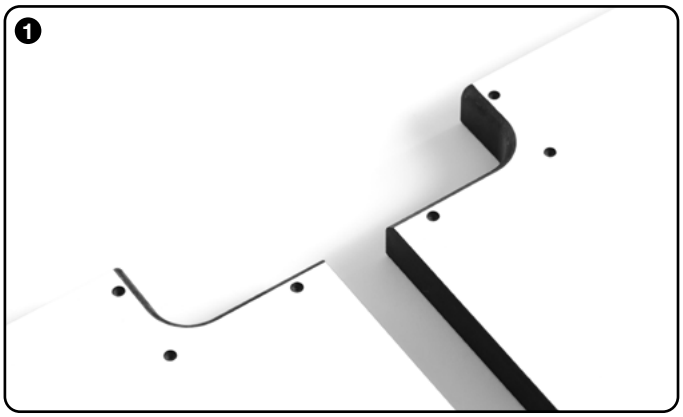


door handle set for double-leaf door:
· has to be attached on the rear side of each door leaf

6x

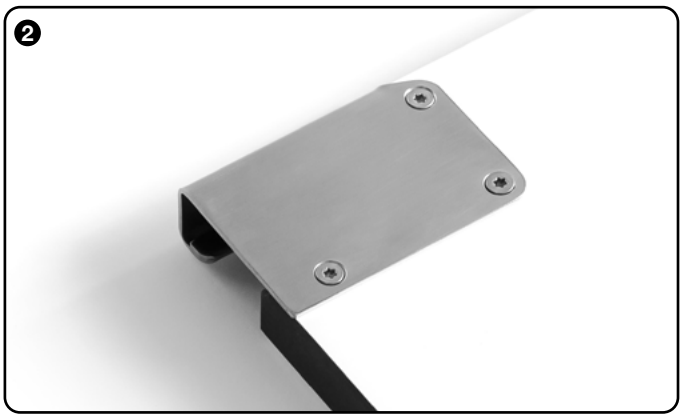
Torx screw 3,0x12 mm:
· to attach the door handles
· 3x on each side

❶



❶ Place the door panels with the inside facing upwards. The positions for screws and handles are marked by pre-drilled holes.

❷

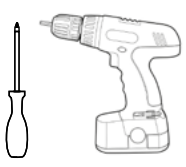


❷ Place the handles over the recesses in the door panels and screw them tight.

! Ensure that the holes in the sheet metal and door are exactly centred.

To assemble the door handles you will need the following tools:

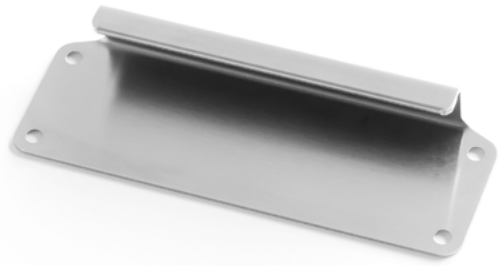
· Torx 10



2.1 Doors

2.1.4.2 Add door handle for single-leaf door

1x

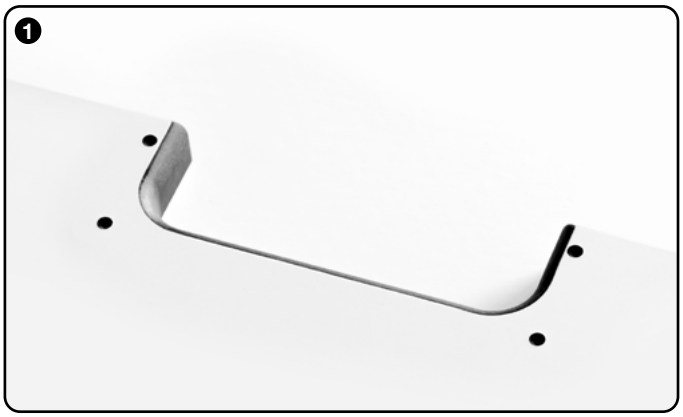


door handle for single-leaf door:
· has to be attached on the rear side of the door leaf

4x

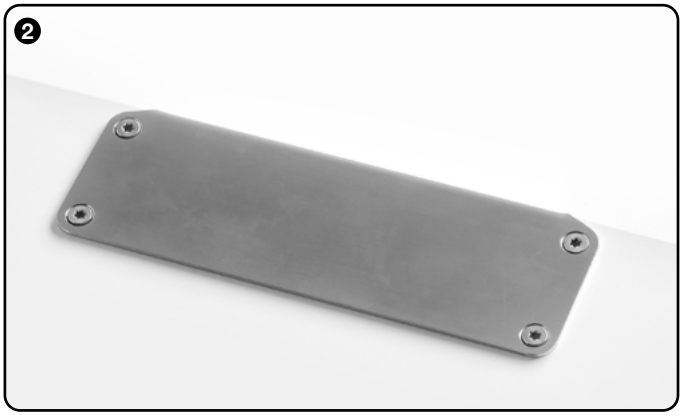
Torx screw 3,0x12 mm:
· to attach the door handle

❶



❶ **Place the door panel with the inside facing upwards. The positions for screws and handle are marked by pre-drilled holes.**

❷

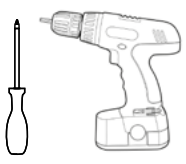


❷ **Place the handle over the recesses in the door panel and screw them tight.**

! **Ensure that the holes in the sheet metal and door are exactly centred.**

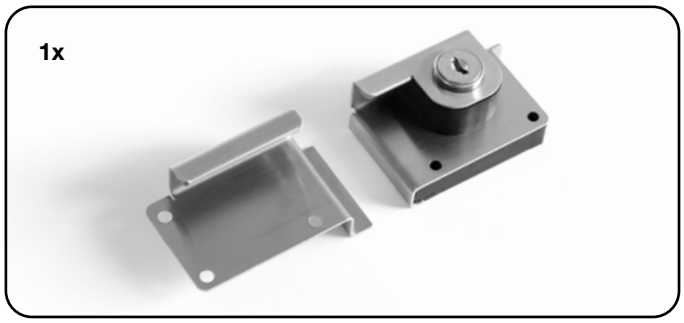
To assemble the door handle you will need the following tools:

· Torx 10



2.1 Doors

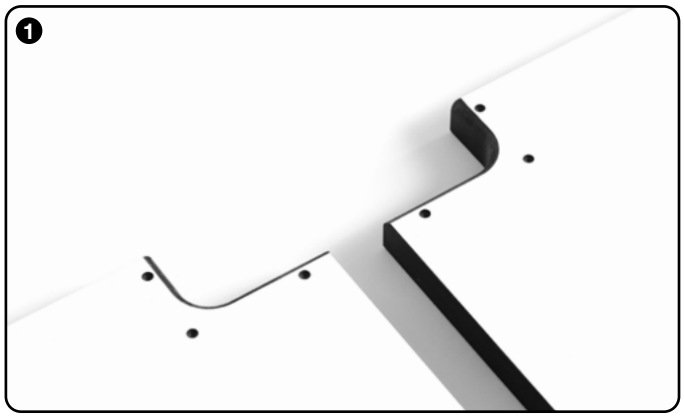
2.1.4.3 Add locker handles for double-leafed door



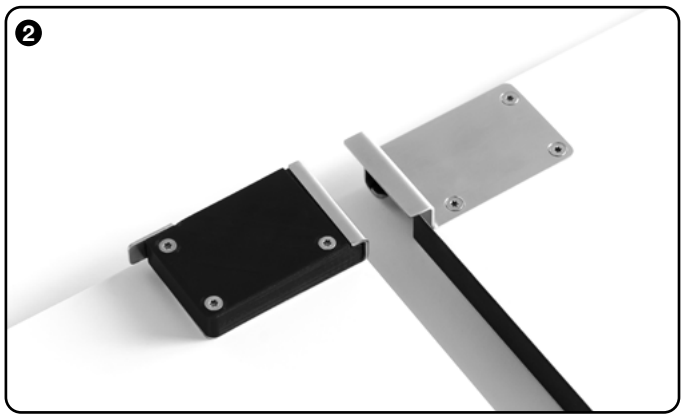
locker handle set for double-leaf door:
· has to be attached on the rear side of each door leaf

Torx screw 3,0x25 mm:
· to attach the locker handles

Torx screw 3,0x12 mm:
· to attach the door handles with stop brackets



❶ Place the door panels with the inside facing upwards. The positions for screws and handles are marked by pre-drilled holes.

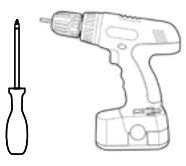


❷ Place the handles over the recesses in the door panels and screw them tight.

! Ensure that the holes in the sheet metal and door are exactly centred.

To assemble the locker handles you will need the following tools:

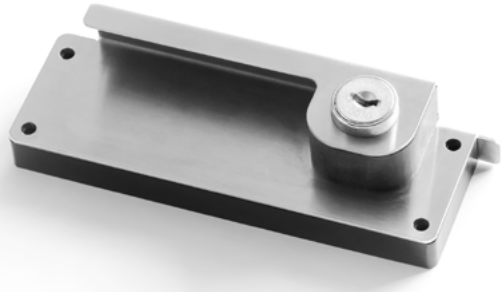
· Torx 10



2.1 Doors

2.1.4.4 Add locker handle for single-leaf door

1x



locker handle for single-leaf door:

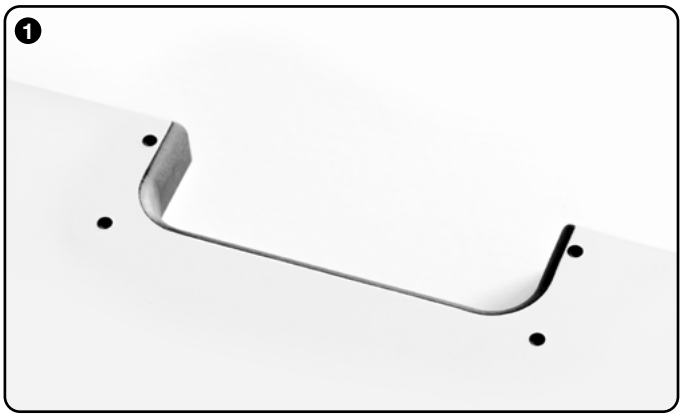
· has to be attached on the rear side of the door leaf

4x

Torx screw 3,0x25 mm:

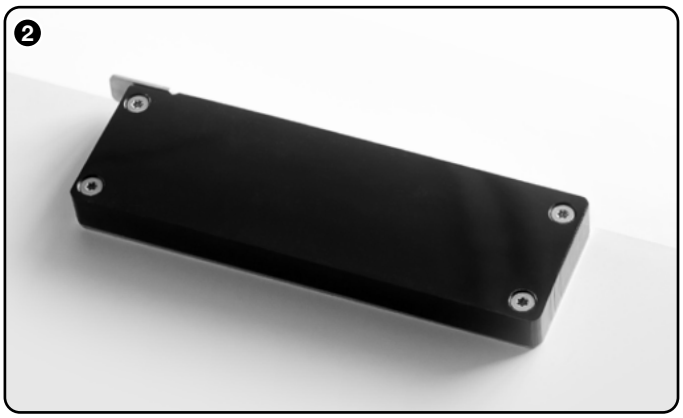
· to attach the locker handle

❶



❶ Place the door panel with the inside facing upwards. The positions for screws and handle are marked by pre-drilled holes.

❷

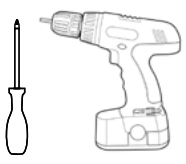


❷ Place the handle over the recess in the door panel and screw them tight.

! Ensure that the holes in the sheet metal and door are exactly centred.

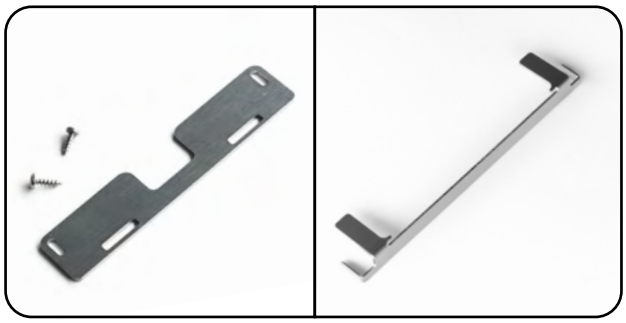
To assemble the locker handle you will need the following tools:

· Torx 10



2.1 Doors

2.1.4.5 Lower locker handle



locking plate for lower locker handle:
· to be screwed on the top side of the base

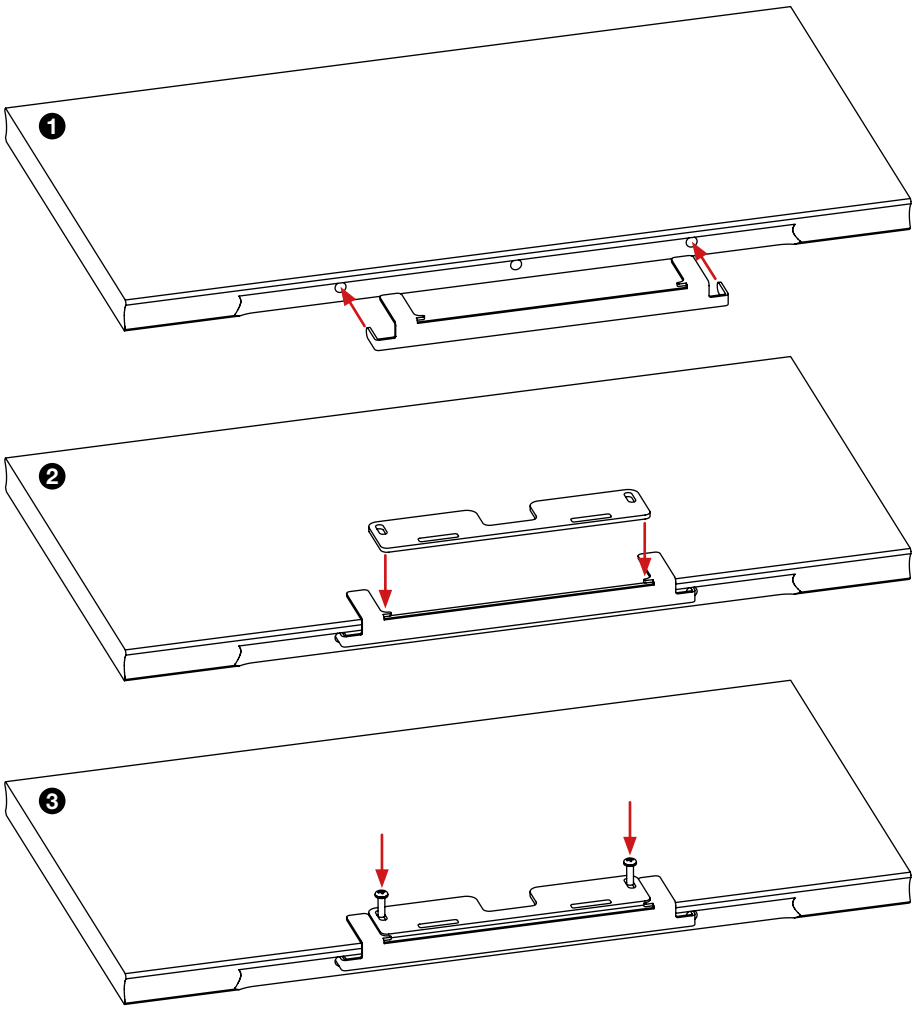
mounting aid for locking plate:
· is applied for the precise alignment of the locking plate

❶ Place the mounting aid - as shown - centrally on the front edge of the base.

❷ Position the locking plate by fitting it to the mounting aid.

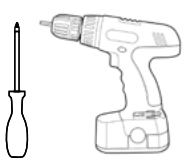
❸ Screw the locking plate to the base. The mounting aid can then be removed again.

! Remember that the mounting aid can only be used with the base not installed.



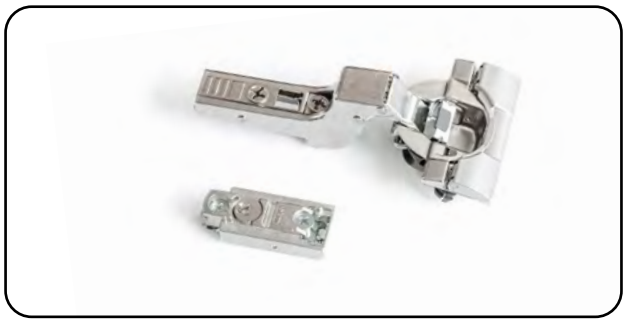
To assemble the locker plate you will need the following tools:

· Torx 10



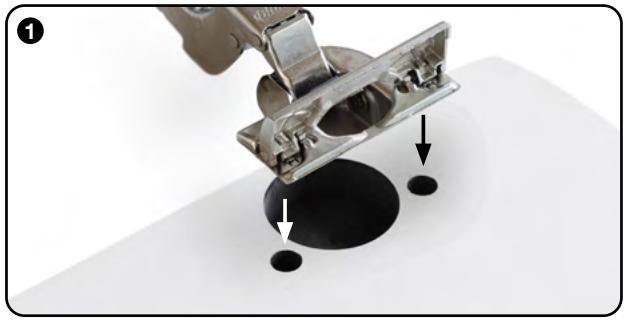
2.1 Doors

2.1.5 Mounting doors



Cabinet hinges and mounting plates:

- are provided in the appropriate numbers for relevant the door height
- are pre-mounted into the side panels

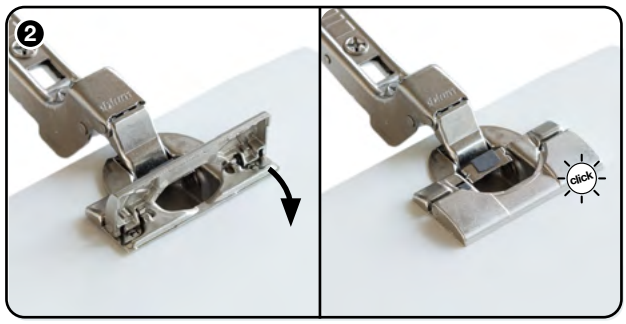


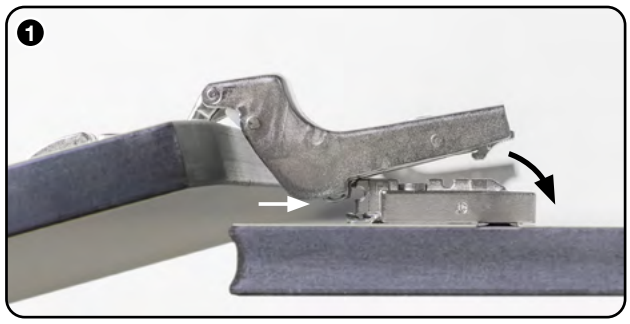
Set the cabinet hinge into the door

! Make sure that the retainer catch is folded upwards

❶ Insert open cabinet hinge and with retainer catch in open position into the mounting holes provided

❷ Click the retainer catch down





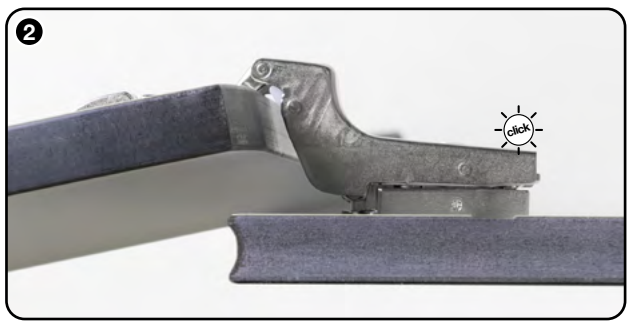
Mount the door to the side panel

! Make sure that the mounting plates are already inserted into the side panelling position!

❶ Start with the uppermost hinge and continue from top to bottom

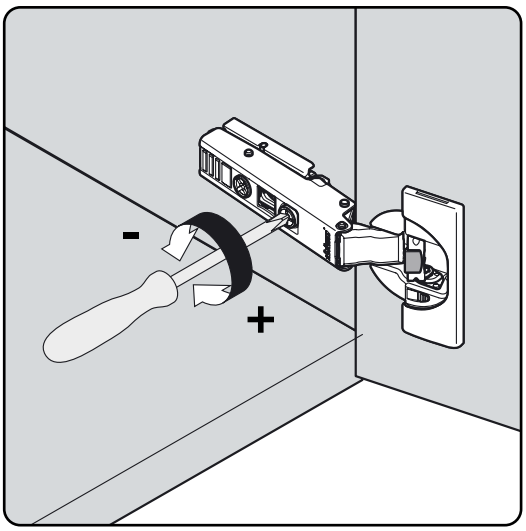
❷ Insert the cabinet hinge with the closing side into

❸ the mounting plate and tighten it into place



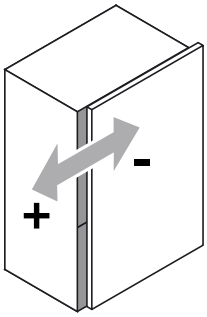
2.1 Doors

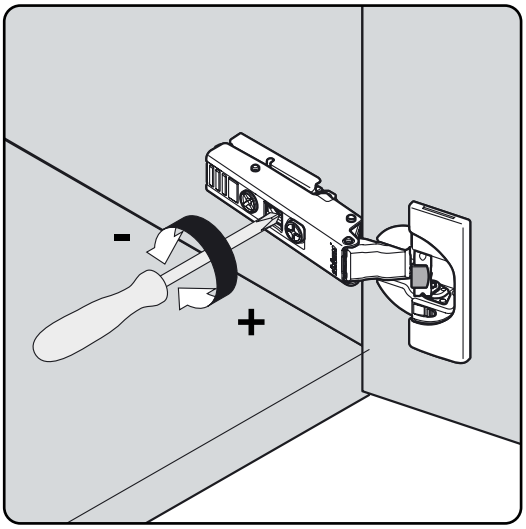
2.1.6 Adjustment



Horizontal adjustment

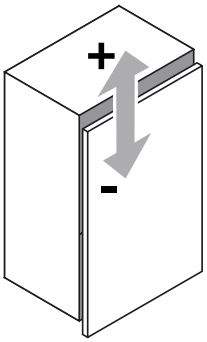
· The door can be adjusted horizontally using the adjustment screw at the front
· Turning the screw clockwise will move the door in the direction of the sidepanel
· Turning it anti-clockwise will move the door away from the side panel
· Adjustment range ± 2 mm

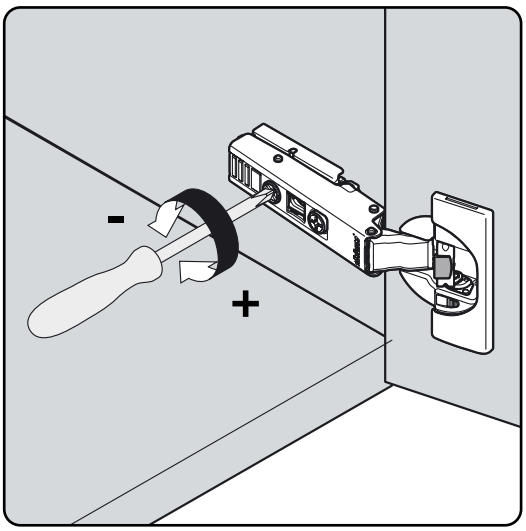




Vertical adjustment

• The door can be adjusted vertically using the middle adjustment screw
• Turning the screw clockwise will raise the height of the door.
• Turning the screw anti-clockwise will lower the height of the door.
• Adjustment range ± 3 mm





Depth adjustment

• The door can be adjusted in depth using the adjustment screw at the back
• Turning the screw clockwise will move the door in the direction of the furniture body
• Turning it anti-clockwise will move the door away from the furniture body
• Adjustment range -2 mm to +3 mm

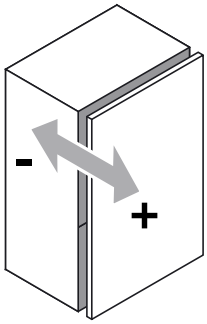
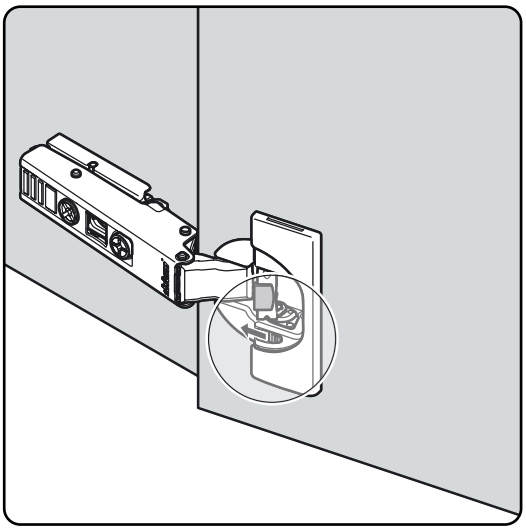


*Image source: http://www.blum.com/de/de/ – Tandembox assembly manual

2.1 Doors

2.1.7 Damping

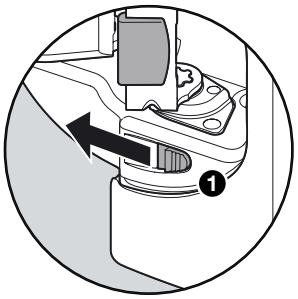


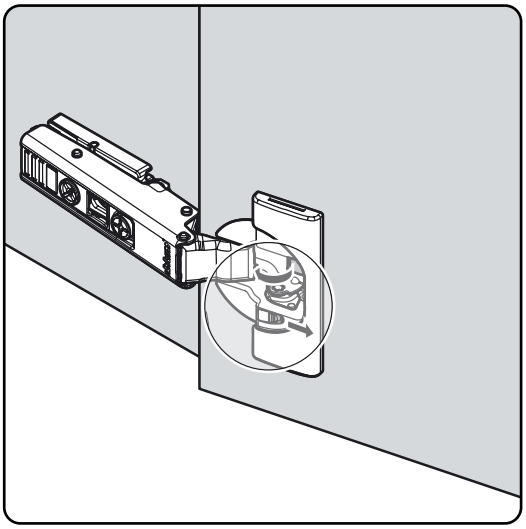
Disabling

❶ Slide the lock sliders on the cabinet hinge as shown

❷ Close and re-open the door once

❸ The damping mechanism becomes disabled with a quiet click





Enable

❶ Slide the lock sliders on the cabinet hinge as shown

❷ The damping mechanism snaps out of the retainer catch.

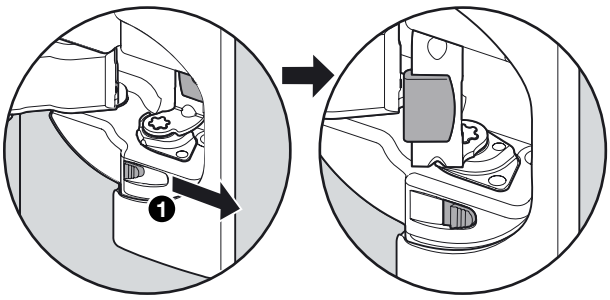


*Image source: http://www.blum.com

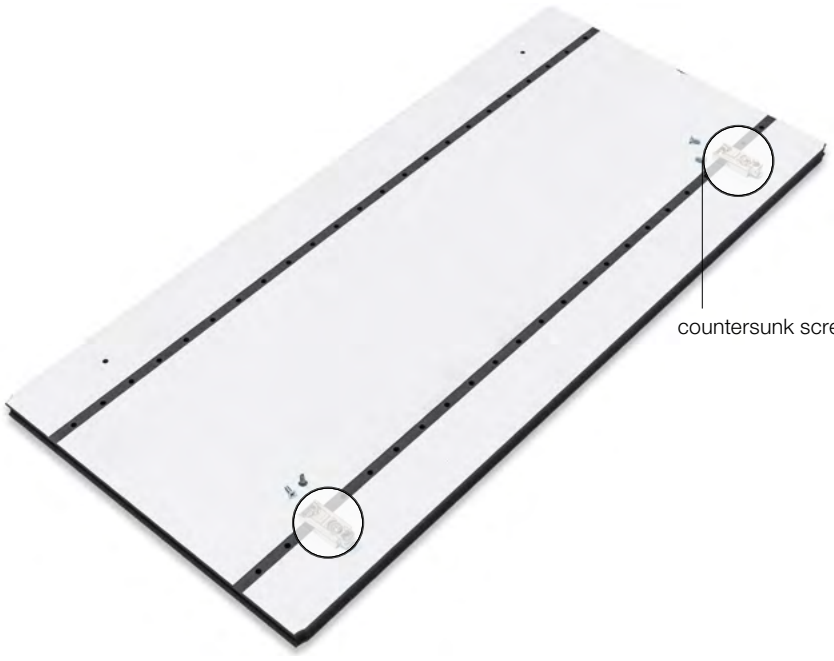
2.1 Doors

2.1.8 Retrofit doors

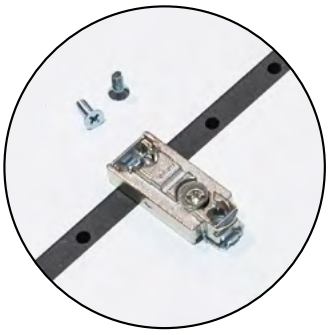
5 Allen key/cordless screwdriver, rubber hammer

❶ Insert the expansion sleeves into the holes provided and carefully tap them in place with a rubber hammer.

❷ Screw the mounting plates to the side panel with two countersunk screws each.



countersunk screw M4 x 10



2.2 Drawers

2.2.1 Before you start ...

❶ **Familiarize yourself with the conditions at the location where you want to assemble the module:**
· Is the assembly area clean and free of obstacles?
· Is the position where you want to place the module suitable for it?
· Are there any unexpected elements getting in the way of the area (skirting boards, power switches, sockets, piping, windows, etc.)?

❷ **If it is not possible to guarantee that the module can be built as planned, then contact your client immediately!**

❸ **Before starting assembly, check carefully against the parts list that all components are have been delivered correctly. If you are assembling several System 180 modules at the same time, open the packages for only one module at a time.**

❹ **Familiarize yourself with the various parts of the module and sort them according to type and to what part of the module they belong to.**

To adjust drawers you will need the following tools:
· Phillips head screwdriver PH2/PZ2/Cordless electric screwdriver

This instruction manual is designed exclusively for the use of personnel already trained by System 180. It is not recommended for untrained personnel to assemble 180 furniture. All claims based on guarantee for furniture that has not been installed by personnel trained by System 180 shall be null and void.

2.2 Drawers

2.2.2 Type overview

Full drawers

· Available for all system widths
· Thermally smoothed edge
· Full extension with dampened closure
· Can bear loads up to 25 kg
· Alternatively with or without handle
· Useful width: System width -120 mm
· Optionally lockable top drawer
· Frames and inner surfaces are in black

Inside drawers

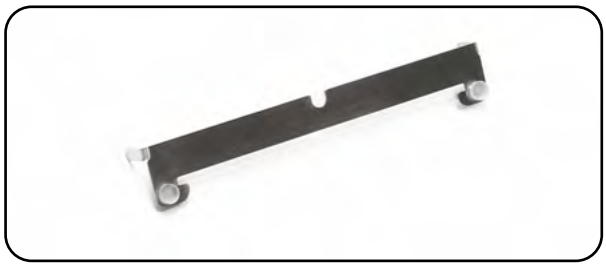
· Available for all system widths
· Full extension with dampened closure
· Can bear loads up to 25 kg
· Useful width: System width -120 mm
· Inside drawers should not be fitted behind doors
· Frames and inner surfaces are in black

Combined fronts

· Available for all system widths
· From a system depth of 340
· For system heights of 540 and 720 only
· Drawer and door can be made lockable if required
· Useful width: System width - 120 mm

2.2 Drawers

2.2.3 Assembly of Stop brackets for doors/drawers



Door stop brackets:

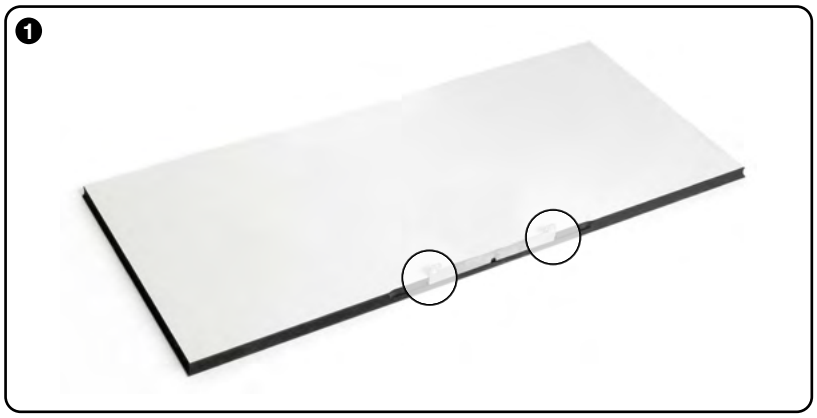
- are inserted into the bore holes in the corresponding base panel
- are supplied in the correct numbers in the shipment
- are inserted into the corresponding base panel edges

❶ Lie the corresponding base panel upside down and insert the door stop bracket into the bore holes made for it, as shown in the illustration.

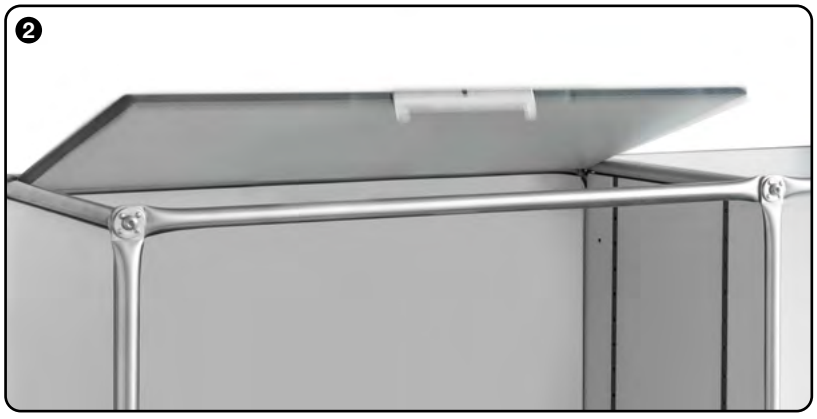
❷ Loosen the module‘s front node at the location where you are going to insert the base panel. First set the base panel down on its rear standard bar and tilt it forward until it is sitting between the tubes.

❸ Close up the nodes again.

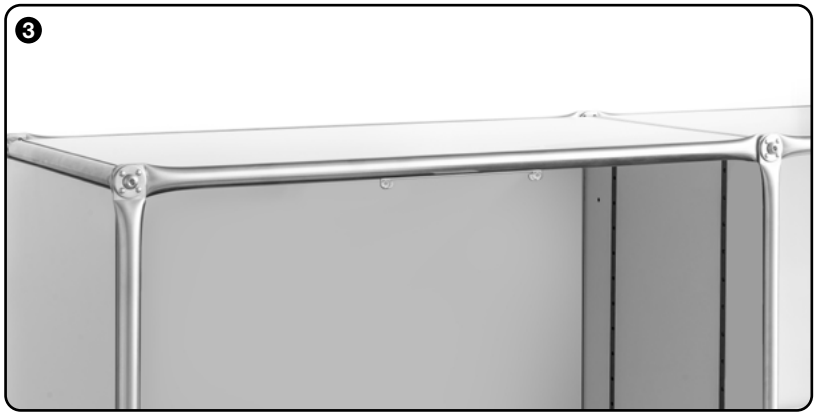
❶



❷

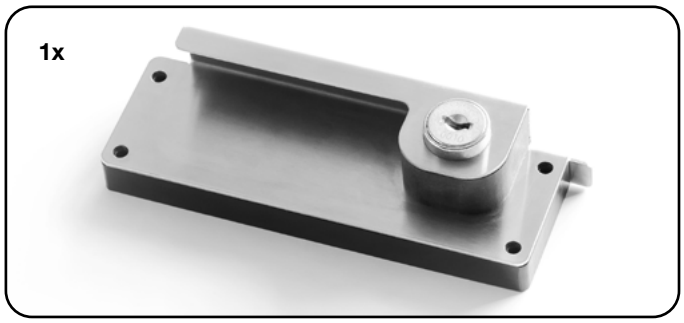


❸



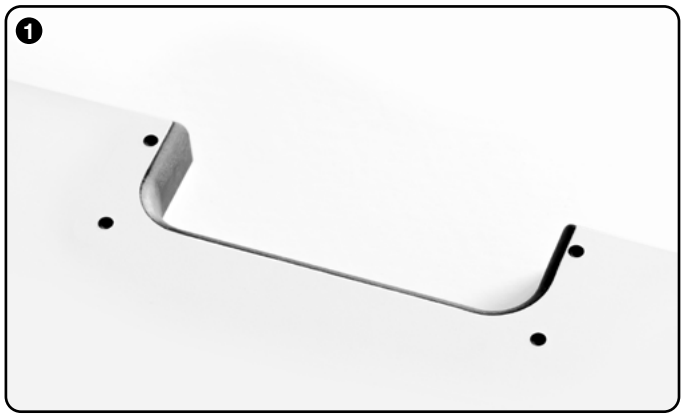
2.2 Drawers

2.1.4.1 Add locker handle for drawers

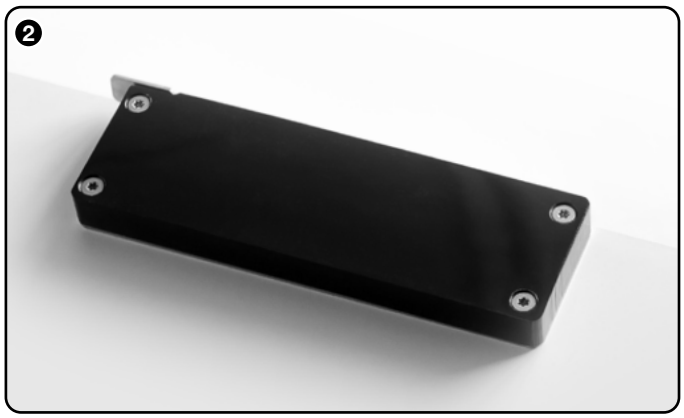


locker handle for drawers:
· has to be attached on the rear side of the drawer front

Torx screw 3,0x25 mm:
· to attach the locker handles



❶ Place the drawer front with the inside facing upwards. The positions for screws and handle are marked by pre-drilled holes.

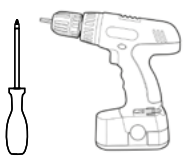


❷ Place the handle over the recesses in the drawer front and screw them tight.

! Ensure that the holes in the sheet metal and door are exactly centred.

To assemble the locker handle you will need the following tools:

· PH2 hex key/Phillips head screwdriver



2.2 Drawers

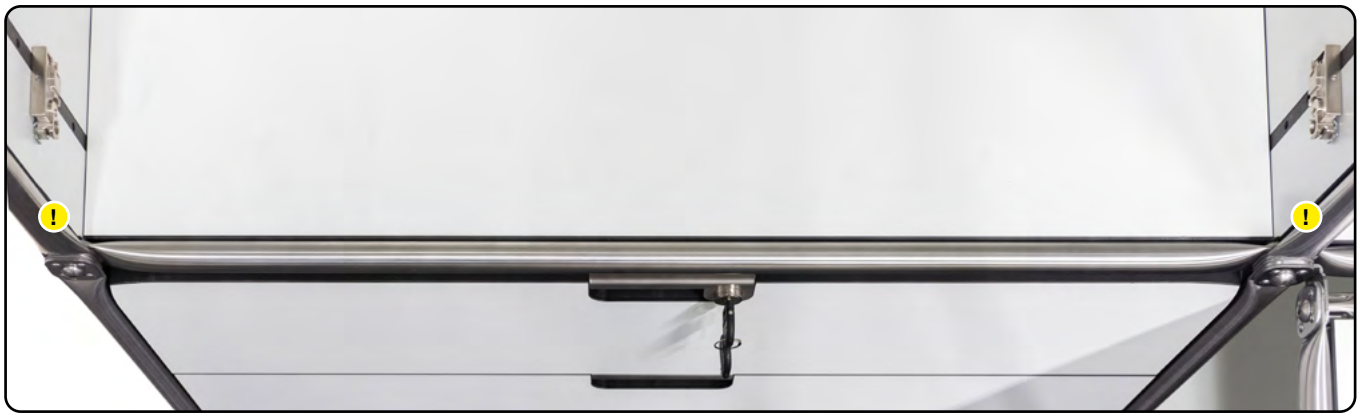
2.2.4.2 Adapter for locker handle

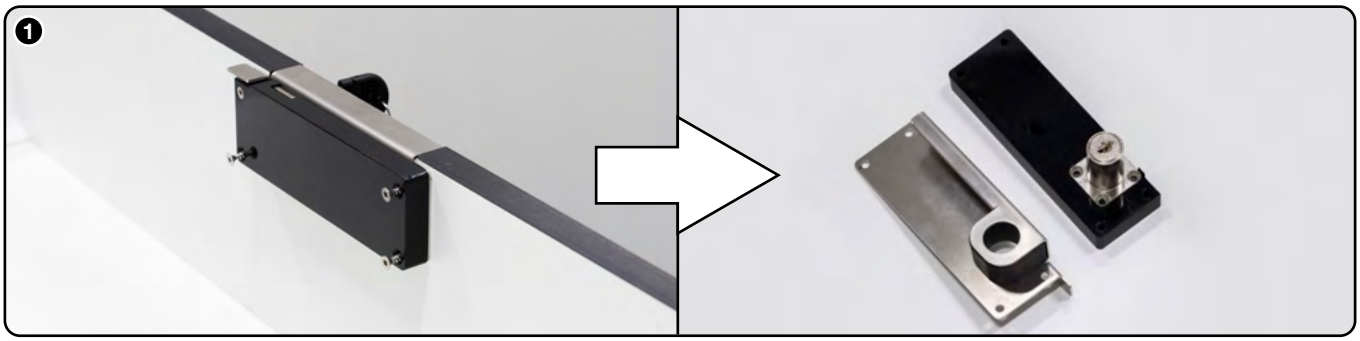
! CAUTION: On structures where the horizontal straight line is in the rearmost position and the vertical straight line is in the front position, an adapter for the pull-out lock must be fitted so that the locking mechanism engages.

❶ Unscrew the handle.

❷ Place the adapter on the lock case.

❸ Screw the lock handle back onto the pull-out.

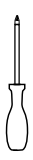




! NOTE: These adapters are not part of the standard furniture. They can be ordered separately if required. System 180 installation partners will find these components in the spare parts case.

To install the adapter you will need the following tools:

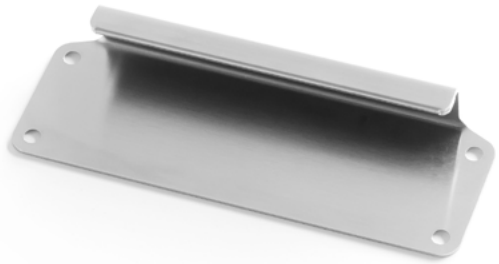
· PH2 Phillips screwdriver



2.2 Drawers

2.2.5 Add handle for drawer

1x



door handle for drawer:

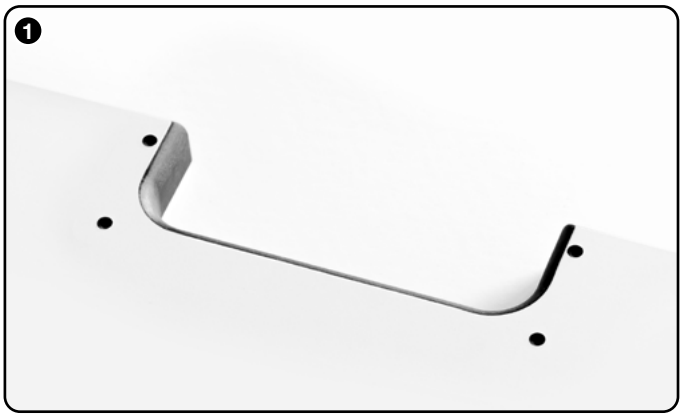
· has to be attached on the rear side of the drawer front

4x

Torx screw 3,0x12 mm:

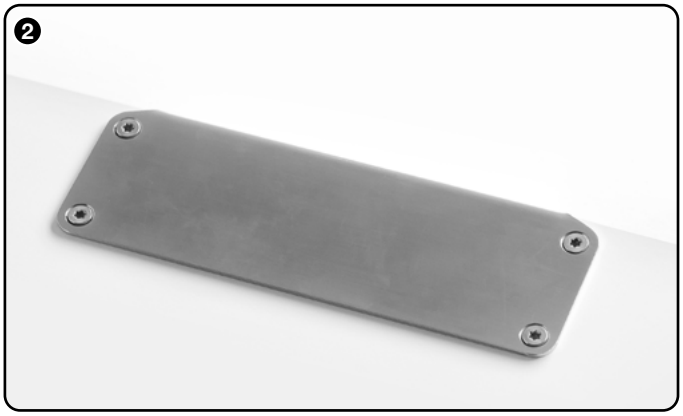
· to attach the drawer handles

❶



❶ **Place the drawer front with the inside facing upwards. The positions for screws and handle are marked by pre-drilled holes.**

❷

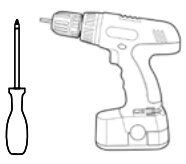


❷ **Place the handle over the recesses in the door panel and screw them tight.**

! **Ensure that the holes in the sheet metal and door are exactly centred.**

To assemble the drawer handle you will need the following tools:

· PH2 hex key/Phillips head screwdriver



2.2 Drawers

2.2.6 Mounting combined fronts (with door under drawer)

! **Make sure that the special stop bracket has its silicon inserts and is assembled facing forward.**

❶ **Screw the special stop bracket in the metal sockets designed for the purpose in the side panels.**

❷ **Lay the drawer with its frame on the cabinet rails and close it carefully into the module until the fasteners click audibly into place.**

2.2 Drawers

2.2.7 Inserting and removing drawers

! Only begin adjusting the drawers once the module has been set in its final position.

! The cabinet rails are already pre-mounted on the appropriate side pieces.

Inserting a drawer

❶ Push both cabinet rails completely into the module.

❷ Lay the drawer with its frame on the cabinet rails and close it carefully into the module until the fasteners click audibly into place.

❸ The drawer is now fully mounted and can now be adjusted if necessary in three dimensions.

Removing a drawer

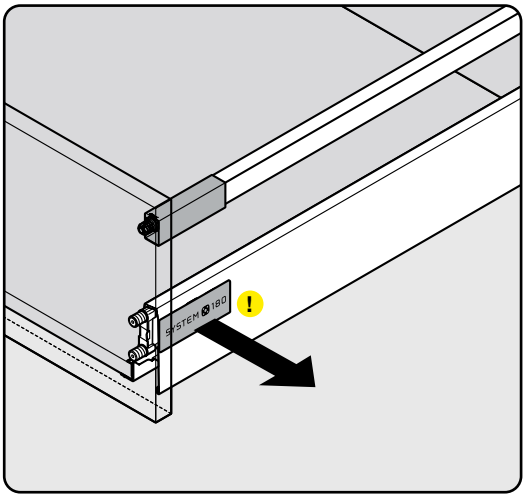
❶ Pull the drawer completely out of the module.

❷ Raise the front part of the drawer slightly.

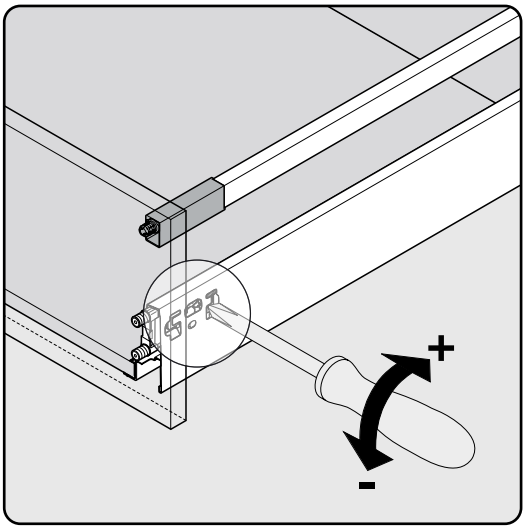
❸ Pull the drawer in a straight line out of the cabinet rails.

2.2 Drawers

2.2.8.1 Horizontal and vertical adjustment

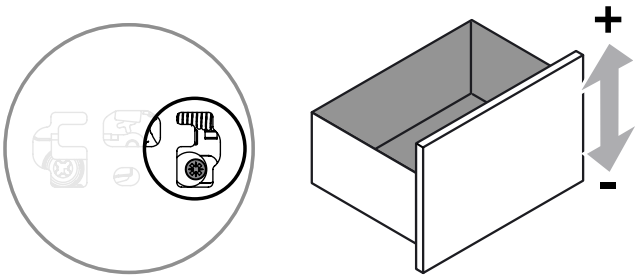


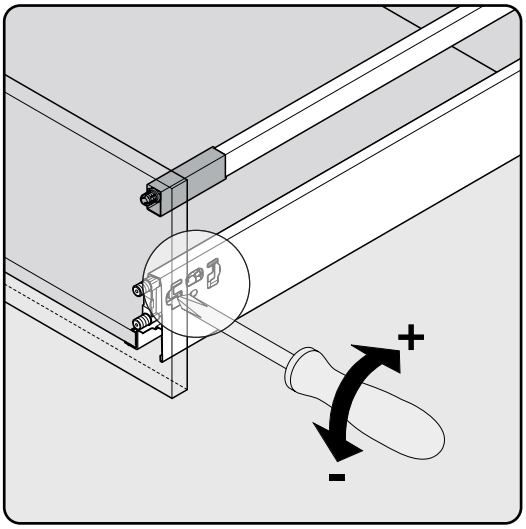
! Remove the System 180 covering. Under it you will find the adjustment device for the drawer front.



Vertical adjustment

- The drawer front can be adjusted vertically using the adjustment screw at the back
- Turning it clockwise will lower the drawer front on one side
- Turning the screw anti-clockwise will raise the height of the drawer front





Horizontal adjustment

! When turning the adjustment screws on both sides to adjust the drawer front horizontally, be especially careful to turn both screws simultaneously!

· The drawer front can be adjusted horizontally using the adjustment screws towards the front.

· Turning the screw clockwise will move the front of the drawer to the right

· Turning the screw counterclockwise will move the front of the drawer to the left

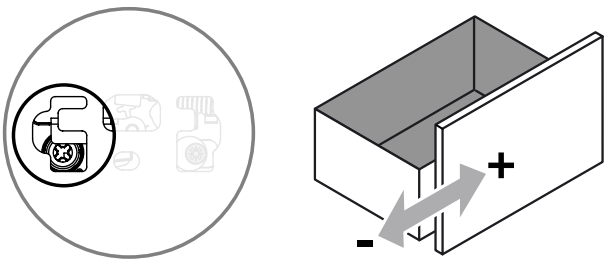
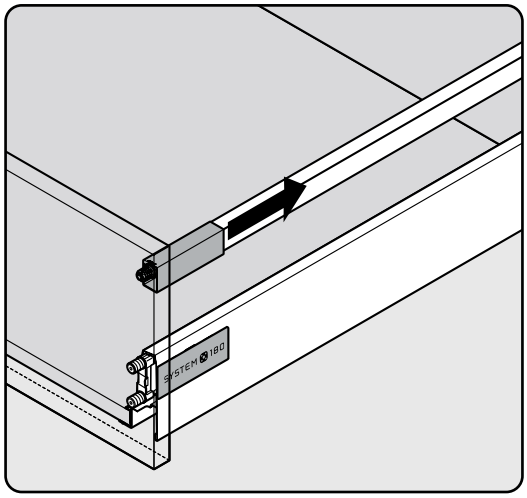


*Image source: http://www.blum.com/de/de/ – Tandembox assembly manual

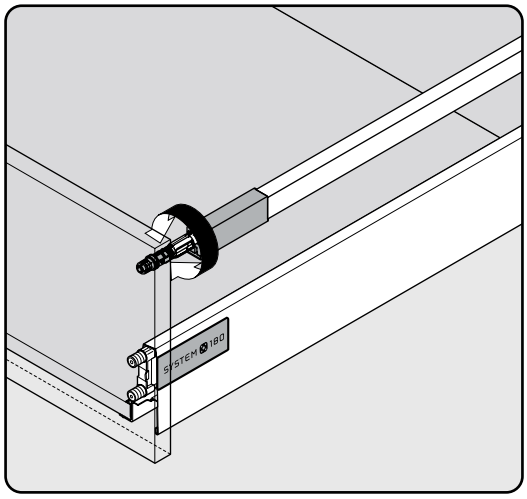
2.2 Drawers

2.2.8.2 Angle of inclination at front



! From a drawer-front height of ≥ 215 mm, this inclination is held by a drawer rail, in addition to by the frame.

! To adjust the tilt angle of the drawer front, slide the black cover backwards over the rail.



Adjusting the drawer tilt

· You can adjust the tilt of the drawer front using the rotary knob on the drawer rail

· Turning it clockwise will move the drawer front inwards

· Turning it anti-clockwise will move the drawer front outwards

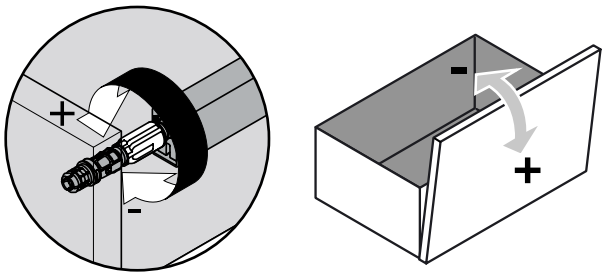
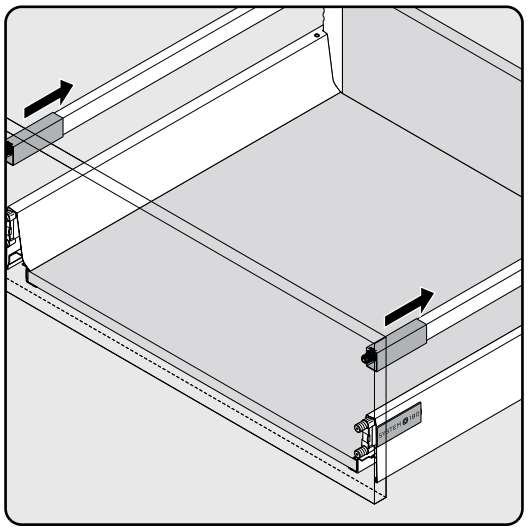


*Image source: http://www.blum.com/de/de/ – Tandembox assembly manual

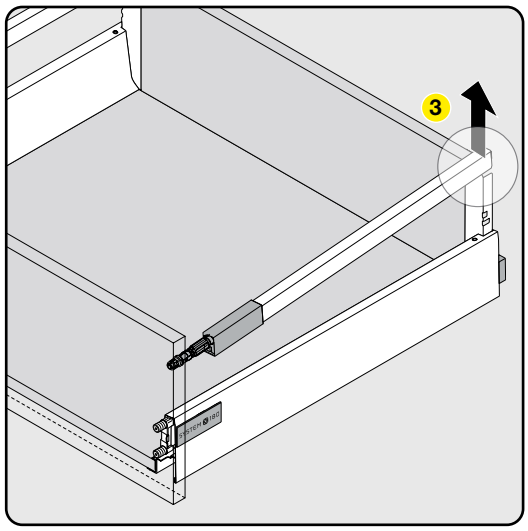
2.2 Drawers

2.2.9 Replacement of drawer front

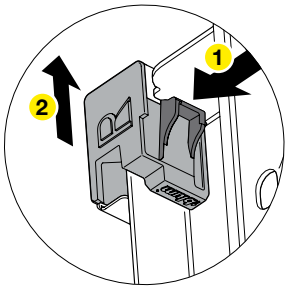


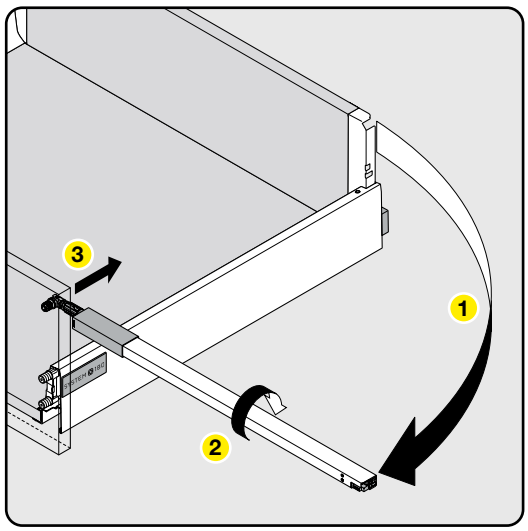
! From a drawer-front height of ≥ 215 mm, this inclination is held by a drawer rail, in addition to the frame.

! To remove the rail, first pull back the cover.



! To detach the backend of the rail You have to push down the fastener as shown in 1, then pull up the rail.





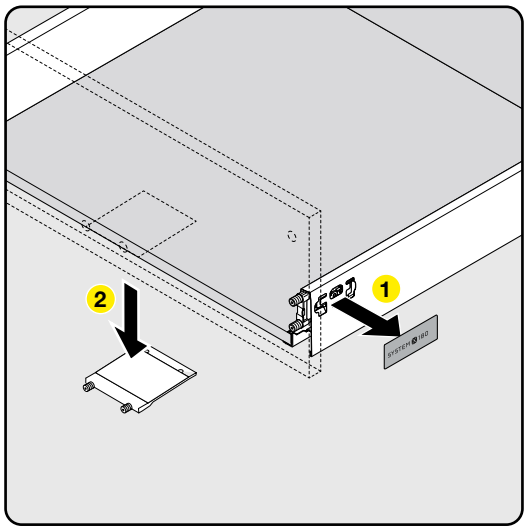
! Fold the rail to the side and pull it off the drawer front.

For a detailled Video Tutorial click **here**

*Image source: http://www.blum.com/de/de/ – Tandembox assembly manual

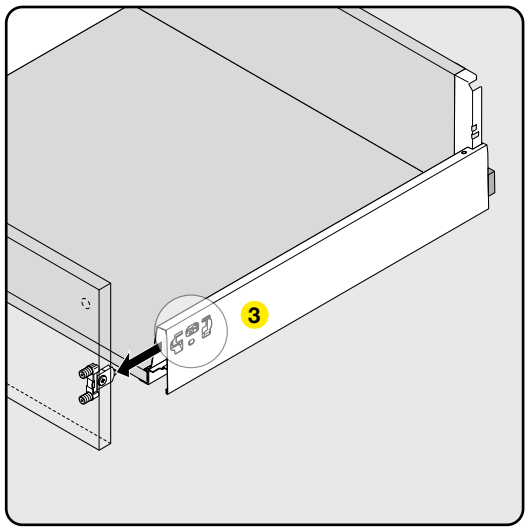
2.2 Drawers

2.2.9 Replacement of drawer front



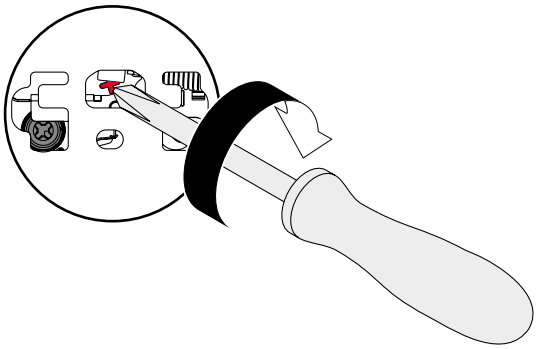
1 Remove the System 180 covering. Under it You will find the lock for the drawer front.

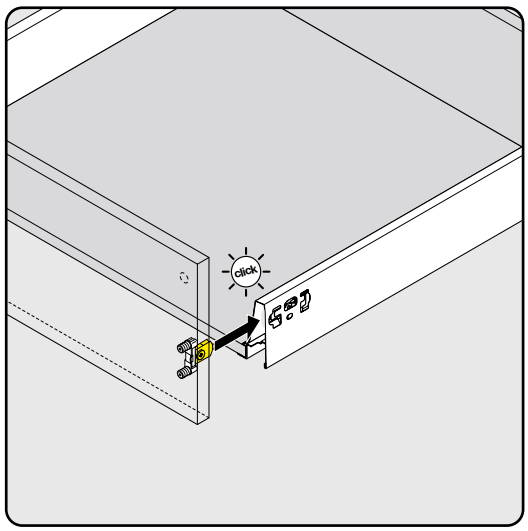
2 Also loosen the screws for the front fastener on the bottom side of the drawer. (the front fastener is built in each drawer that has a with ≥ 720 mm.)



3 Open the lock for the drawer front

- By turning the middle screw clockwise You open the lock
- Open the lock on each side of the drawer
- Pull off the drawer front





Attach the drawer front

- Push the drawer front onto the frame until the lock hooks on again.

For a detailled Video Tutorial click **here**

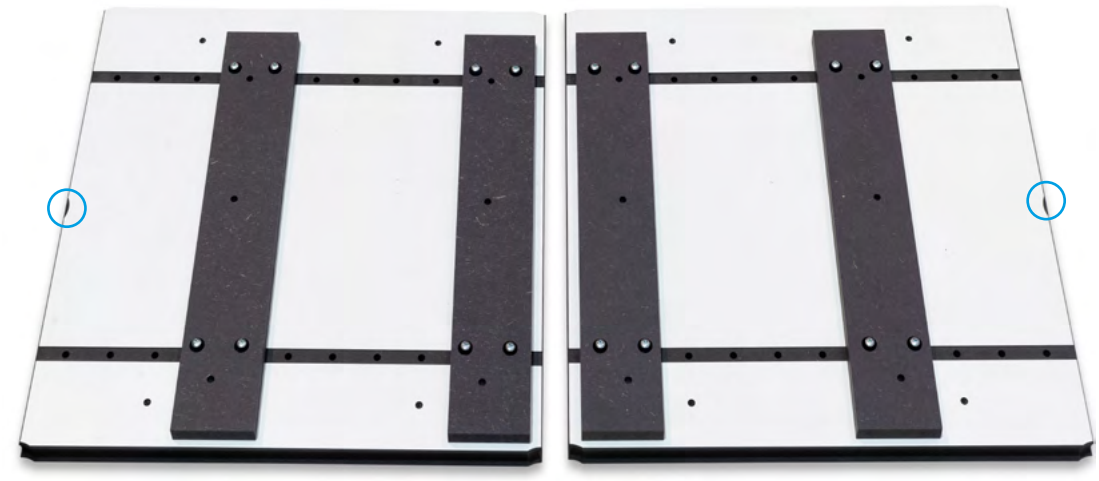
*Image source: http://www.blum.com/de/de/ – Tandembox assembly manual

2.2 Drawers

2.2.10.1 Retrofitting drawers (e.g. for 2 x 180 mm height)

5 Allen key/cordless screwdriver

❶ Place the side panels in front of you with the top edge facing outwards ○. Place the adapters in the appropriate position as shown and tighten each with 4 screws with expansion dowels.

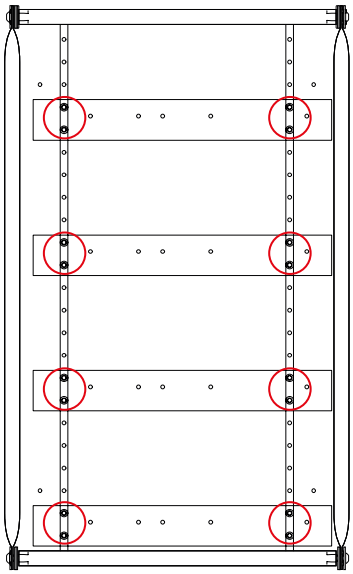


❷ Now screw the cabinet rails with three Euro screws each to the appropriate position ○.

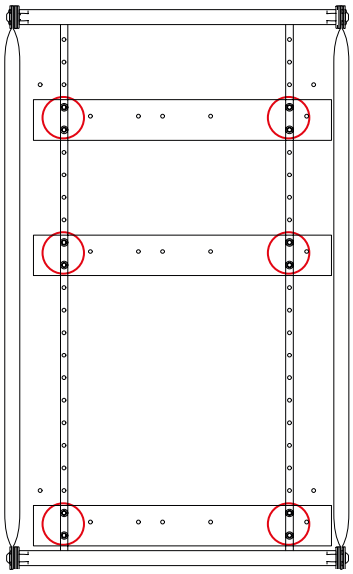
2.2 Drawers

2.2.10.2 Retrofitting of extracts Positions Height 720

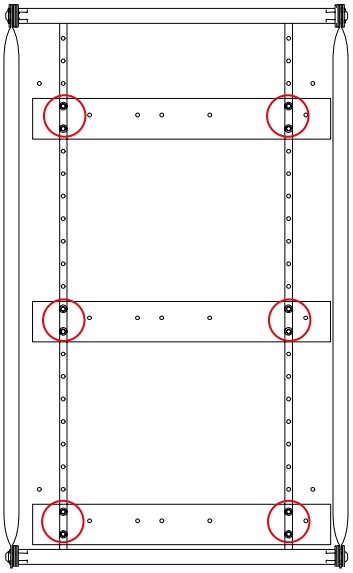
4 x Drawer height 180



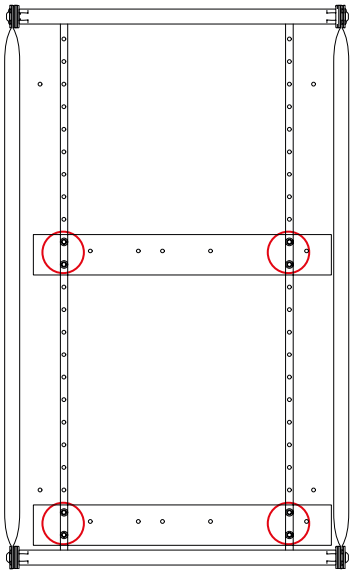
1 x Drawer height 360
2 x Drawer height 180



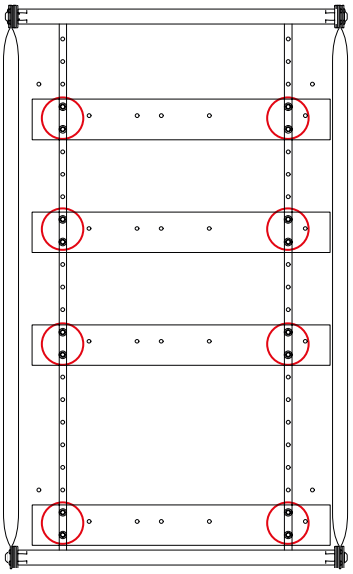
2 x Drawer height 270
1 x Drawer height 180



2x Drawer height 360



1 x Drawer height 720
3 x Inside Drawers



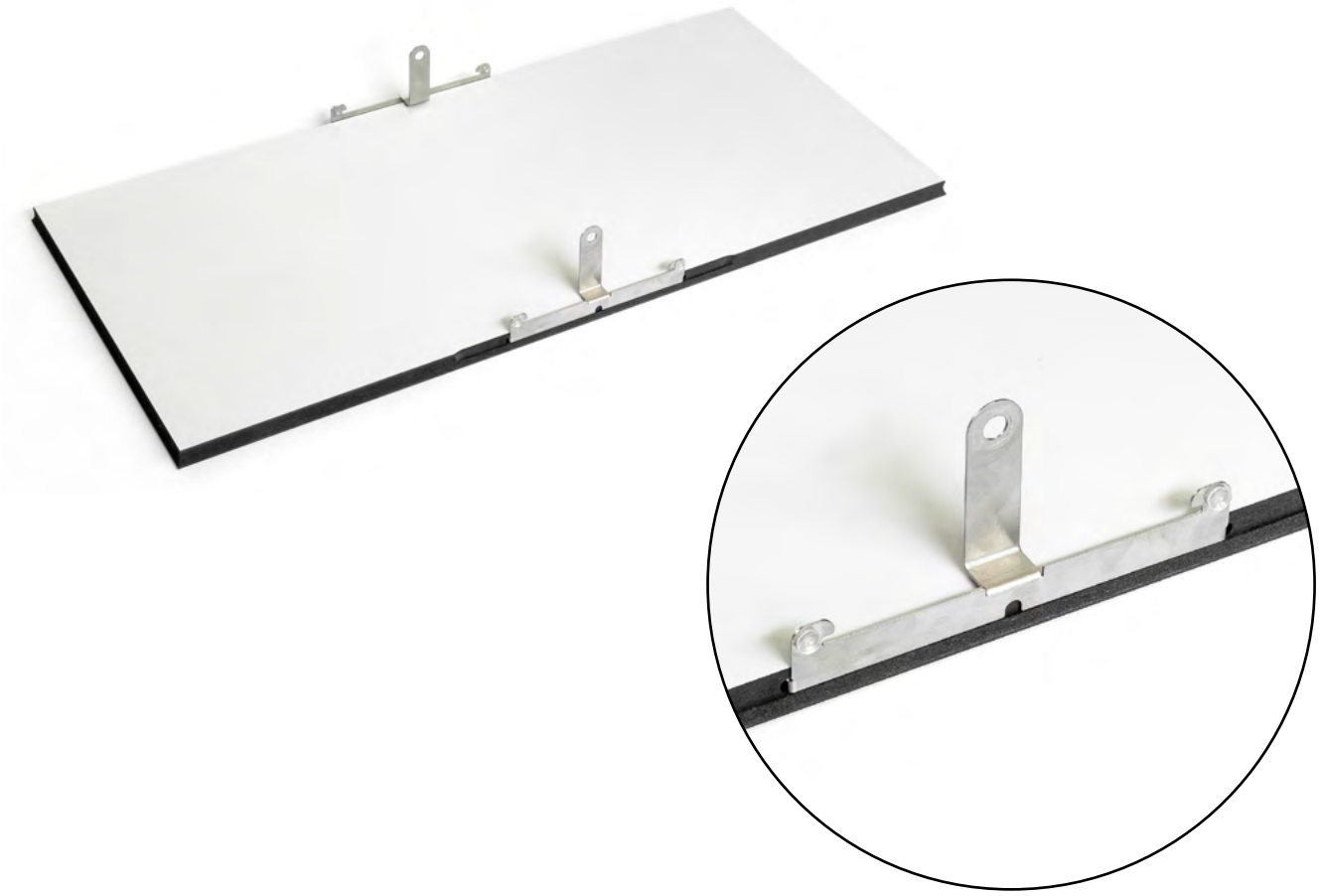
2.3 Wardrobe rails

2.3.1.1 Assembling the structural parts

5-mm hex key/cordless electric screwdriver

! Make sure that the wardrobe rails has silicon inserts for doors on both sides, as shown in the illustration.

❶ Press the front and rear wardrobe brackets into the hole drilled for the purpose in the milled recess.



❷ Now screw in the wardrobe rail at both ends.

2.3 Wardrobe rails

2.3.1.2 Mounting the rail

5-mm hex key/cordless electric screwdriver

❶ Loosen the module's front node at the location where you are going to insert the base panel.
First set the base panel down on its rear standard bar and tilt it forward until it is sitting between the tubes.

❷ Close up the nodes again.

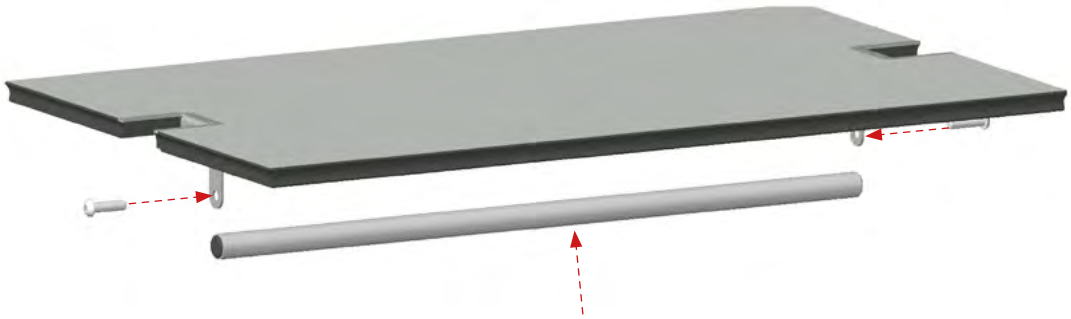
2.3 Wardrobe rails

2.3.2 Wardrobe rail for shelf panel with cable outlets

❶ Place the wardrobe angles in the cable outlets on the floor.

❷ Press the expander connectors into the wardrobe rod on both sides.

❸ Connect the wardrobe rod to the brackets using the hexagonal screws.



For the assembly of the wardrobe rail You need the following tools:

· 5 mm Allen key

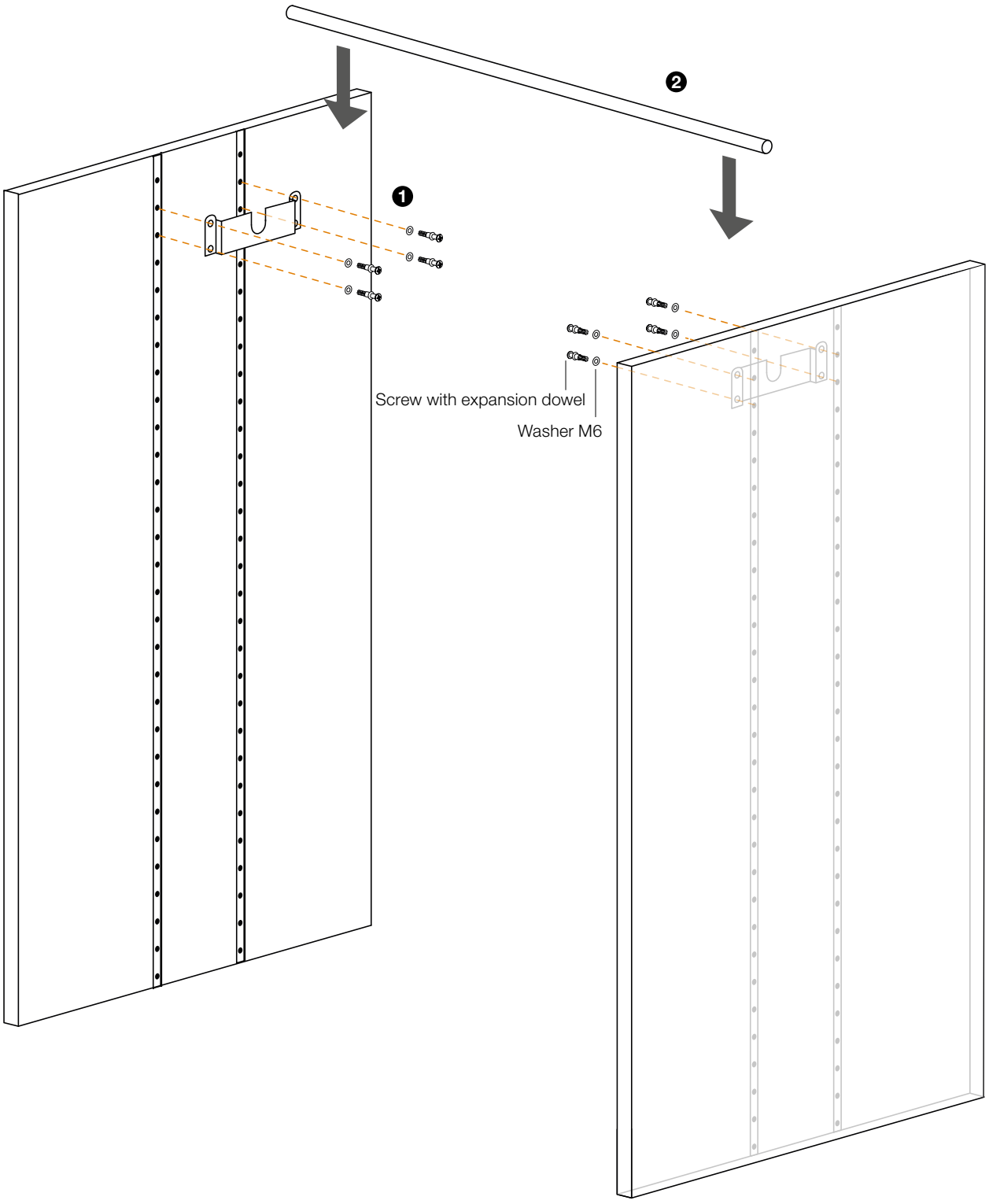
2.3 Wardrobe rails

2.3.3 Wardrobe rail parallel to front

Philips screwdriver or cordless screwdriver

❶ Screw the wardrobe rail holders at the desired height into the inside of the side panels.

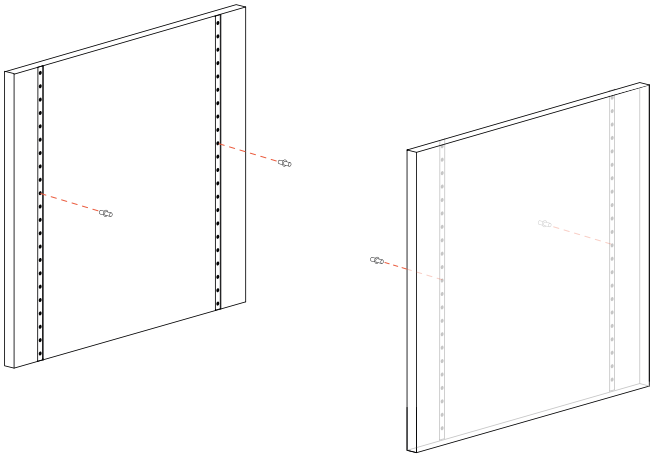
❷ Place the rail on the holders.



2.4 Shelf

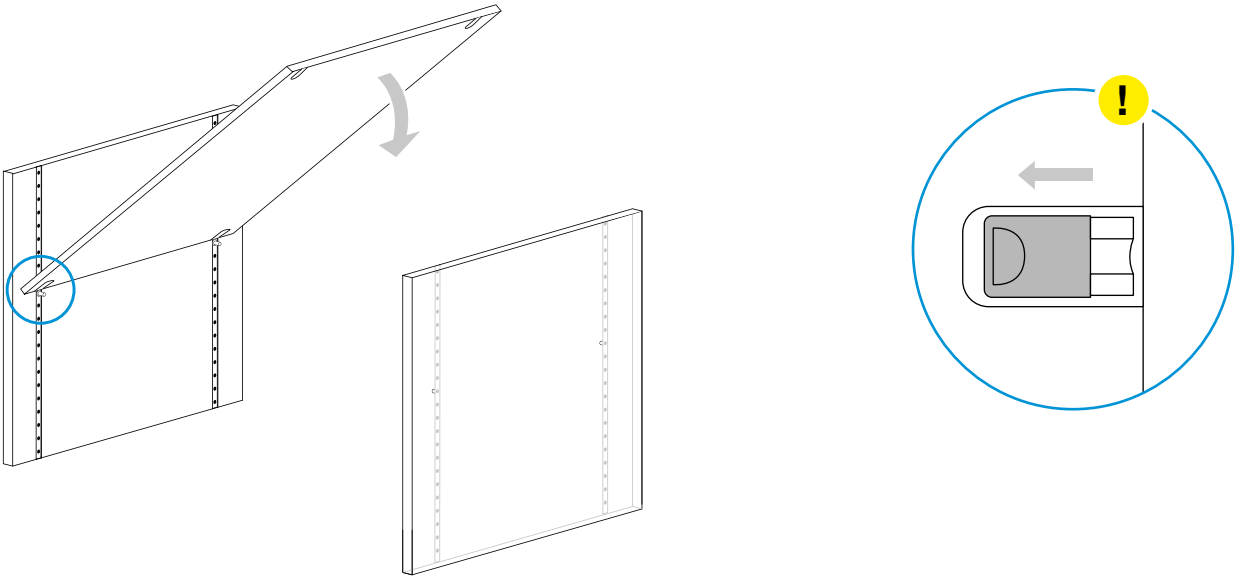
2.4.1 Shelf

❶ **Insert the 2 base support pieces at the desired height in the 2 rows of holes in the side panel.**



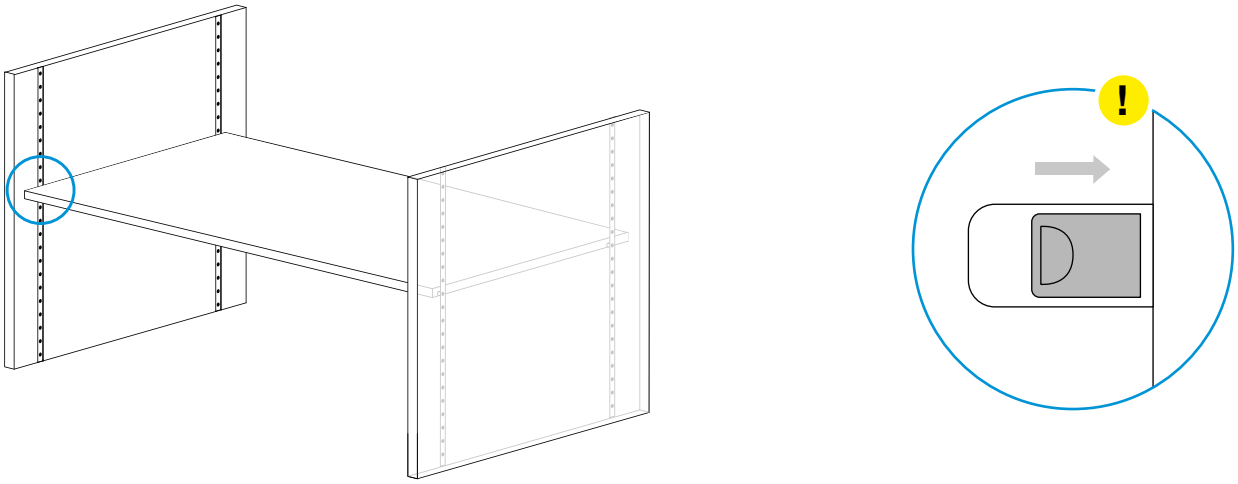
❷ **Now place the shelf first on one side of the shelf supports.**

! **Make sure when inserting the shelf panel that the base fastening elements are placed face down.**



❸ **By tapping gently with the ball of your hand, press the shelf panel carefully into the construction.**

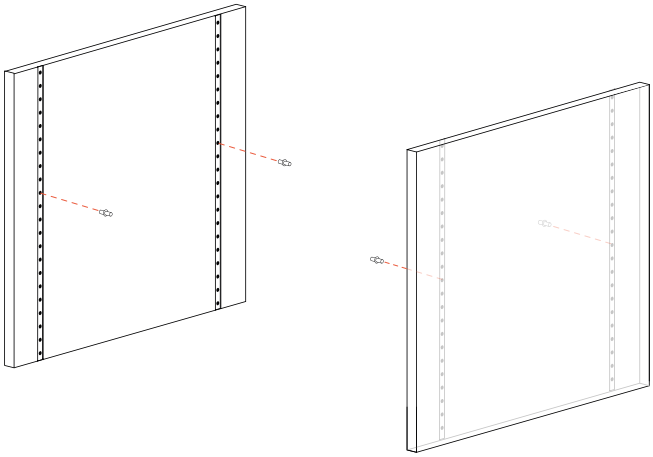
! **After that close the fastening elements.**



2.4 Shelf

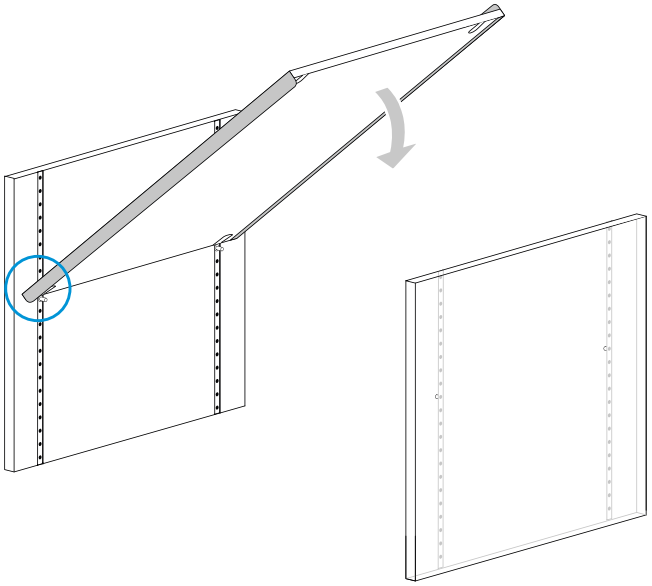
2.4.2 Shelf, reinforced

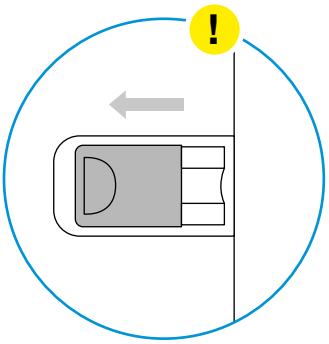
❶ **Insert the 2 base support pieces at the desired height in the 2 rows of holes in the side panel.**



❷ **Now place the reinforced shelf first on one side of the shelf supports.**

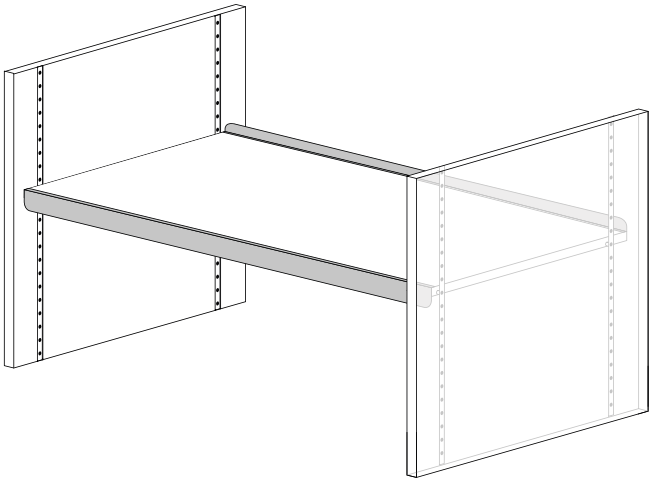
! **Make sure when inserting the reinforced shelf panel that the base fastening elements are placed face down.**

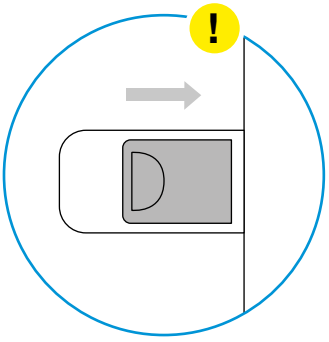




❸ **Tapping gently with the ball of your hand, press the reinforced shelf panel carefully into the construction.**

! **After that close the fastening elements.**



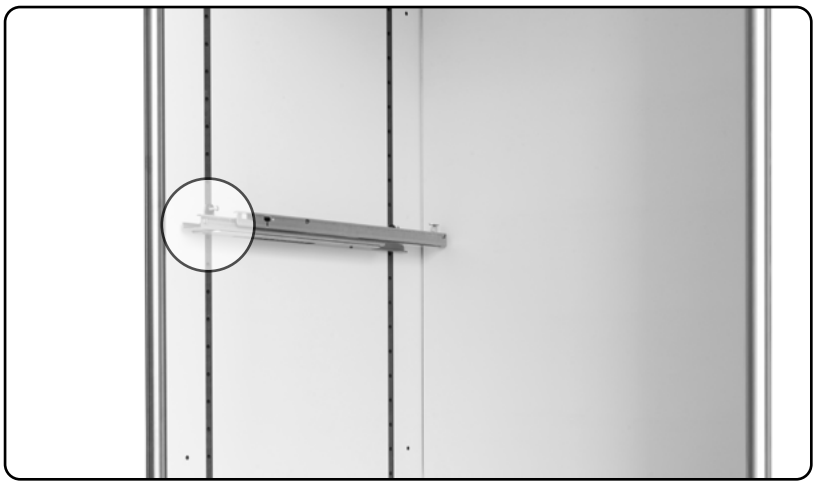


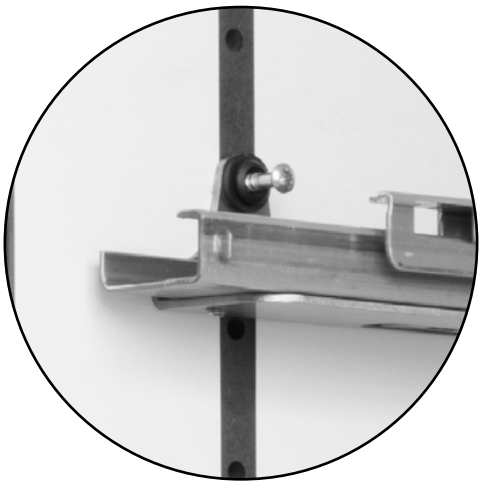
2.4 Shelf

2.4.3 Pull-out shelf assembly

2.5 Hex key and Phillips-head screwdriver

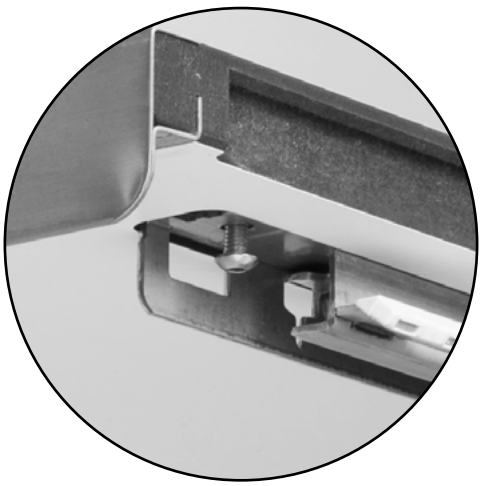
❶ Fasten in the rails into the bore holes in the side panelling using an expanding plug and a Phillips-head screwdriver.





❷ Push the pull-out shelf with the milled recesses facing downward on the rails back to the rear wall.

❸ Pull the pull-out shelf back out again and fasten it in place at the position indicated here with 2.5 hex bolts.



2.4 Shelf

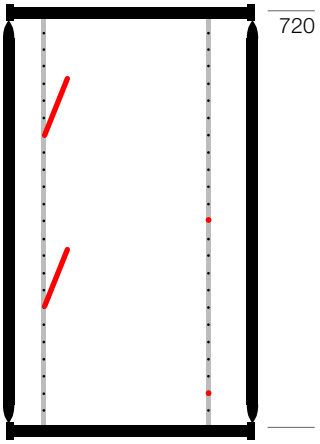
2.4.4 Diagonal shelf

5-mm hex key/cordless electric screwdriver

❶ To position the pull-out shelf at an angle of 45°, insert two shelf supports at the same height into the holes on either side of the front of the module at the desired position. Insert the adaptors into the holes at the inside rear the two side panels 5 holes higher up than at the front, ensuring that they are positioned at the same height as one another.

Front

Rear Front



❷ Insert the shelf front side first onto the shelf support.
Then place the rear side of the shelf onto the adapters.
Finally, close up the shelf's the slide latch-based locks

Rear

2.5 Hanging folder filer

2.5.1.1 Adaptive side panel H 360/T 430

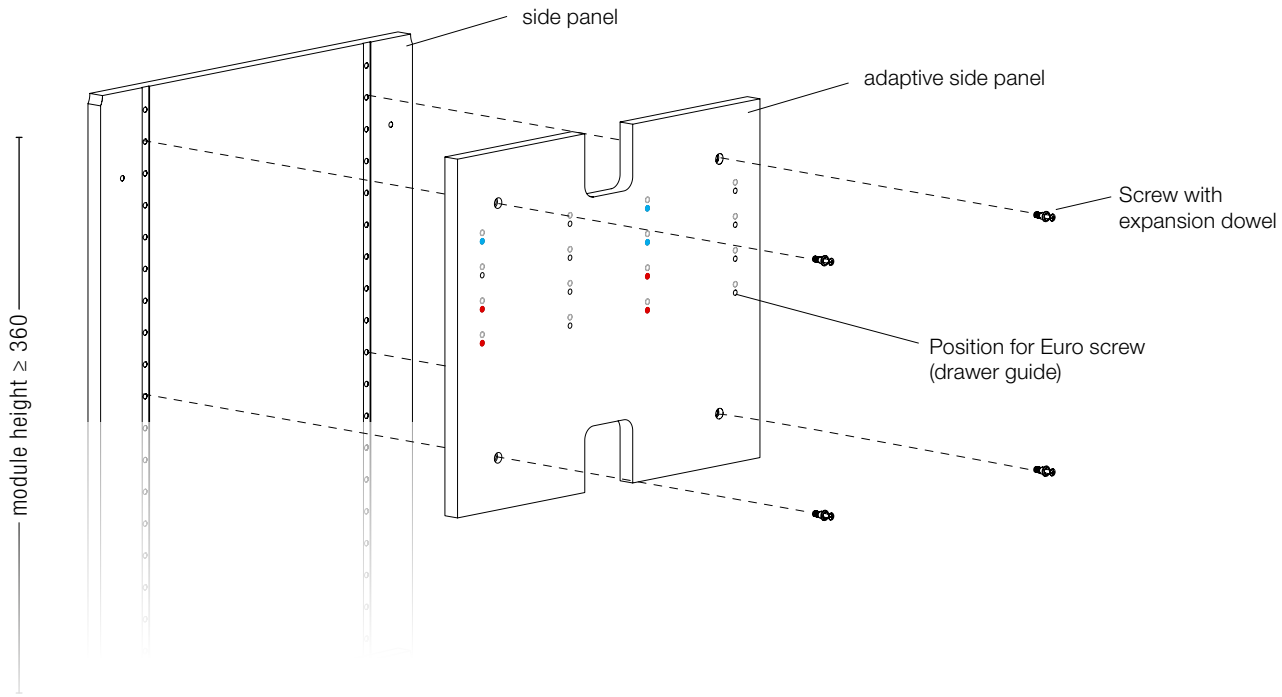
Phillips-head screwdriver or cordless electric screwdriver

The drawings show the assembly on the left side of the module. To mount the right side in the module, proceed mirror-inverted.

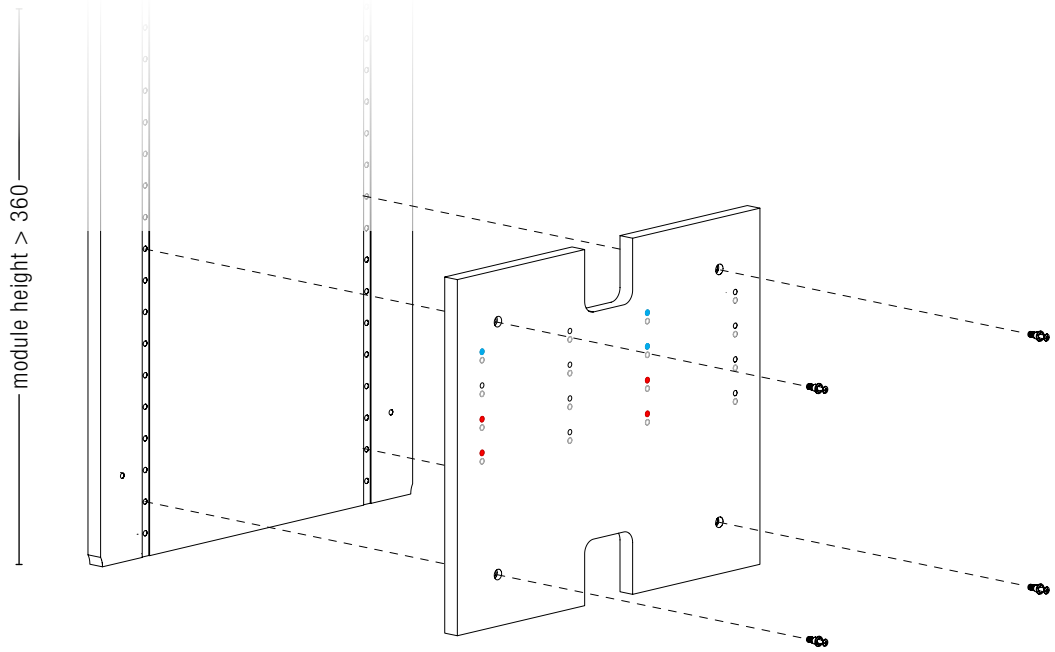
Holes for drawer guide

Holes for parallel mechanics

For installation H720 top or H360 single



For installation H720 bottom



2.5 Hanging folder filer

2.5.1.2 Adaptive side panel H 720/T 430

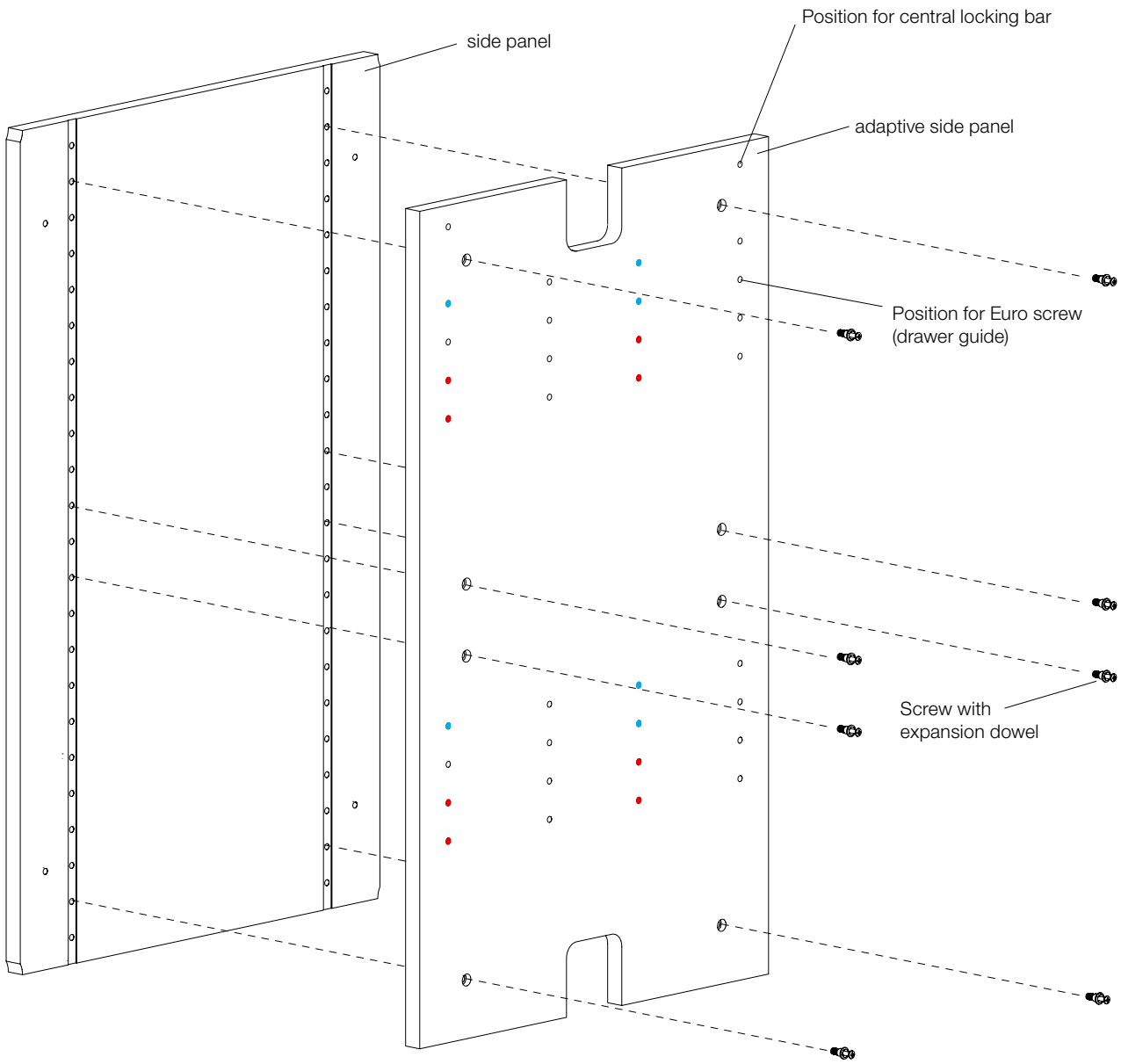
Phillips-head screwdriver or cordless electric screwdriver

! The drawings show the assembly on the left side of the module. To mount the right side in the module, proceed mirror-inverted.

Holes for drawer guide

Holes for parallel mechanics

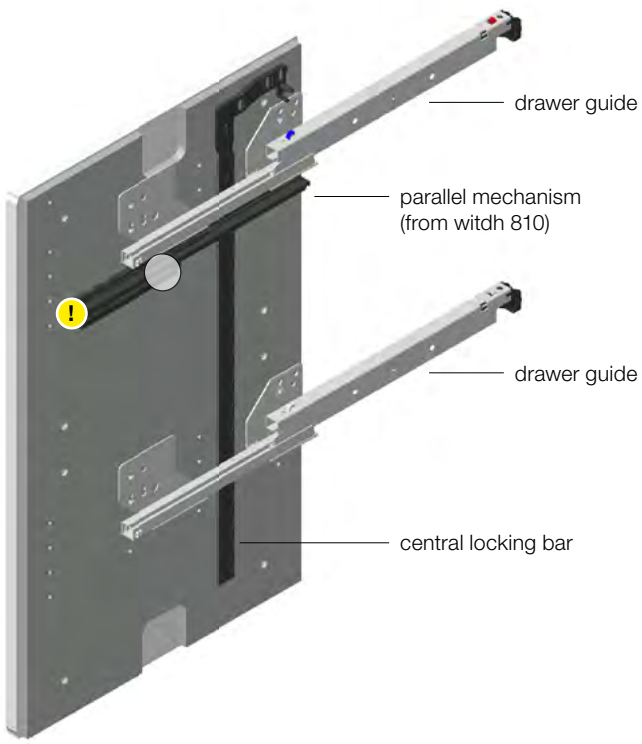
For installation H720

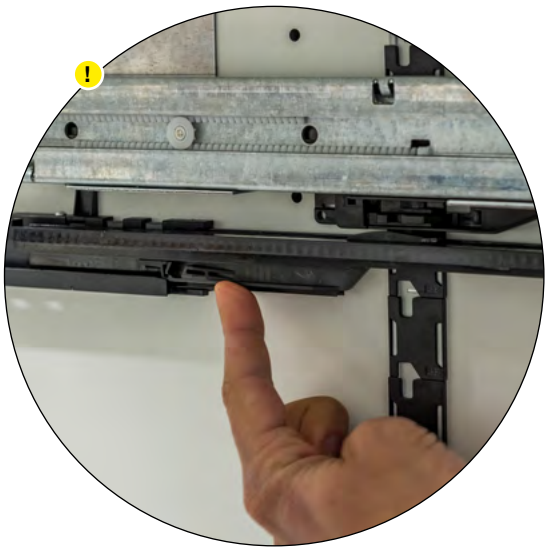


2.5 Hanging folder filer

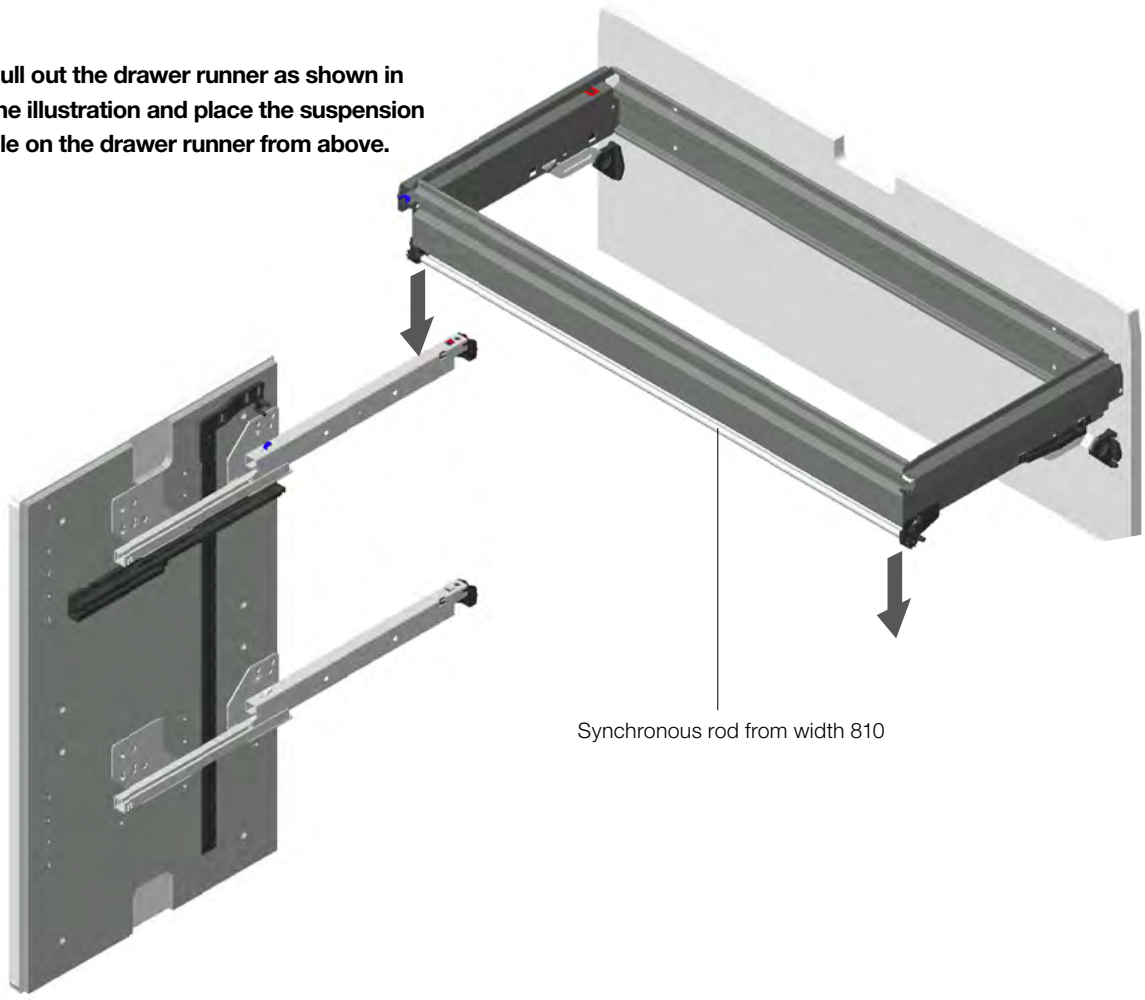
2.5.2 Assembling the hanging folder filing system

! From width 810 upwards, the drawer runner has a parallel mechanism. To insert the suspension file, this must be retracted as shown in the illustration. When it is extended, press the moving part of the parallel mechanism upwards and push it into the module.





❶ Pull out the drawer runner as shown in the illustration and place the suspension file on the drawer runner from above.

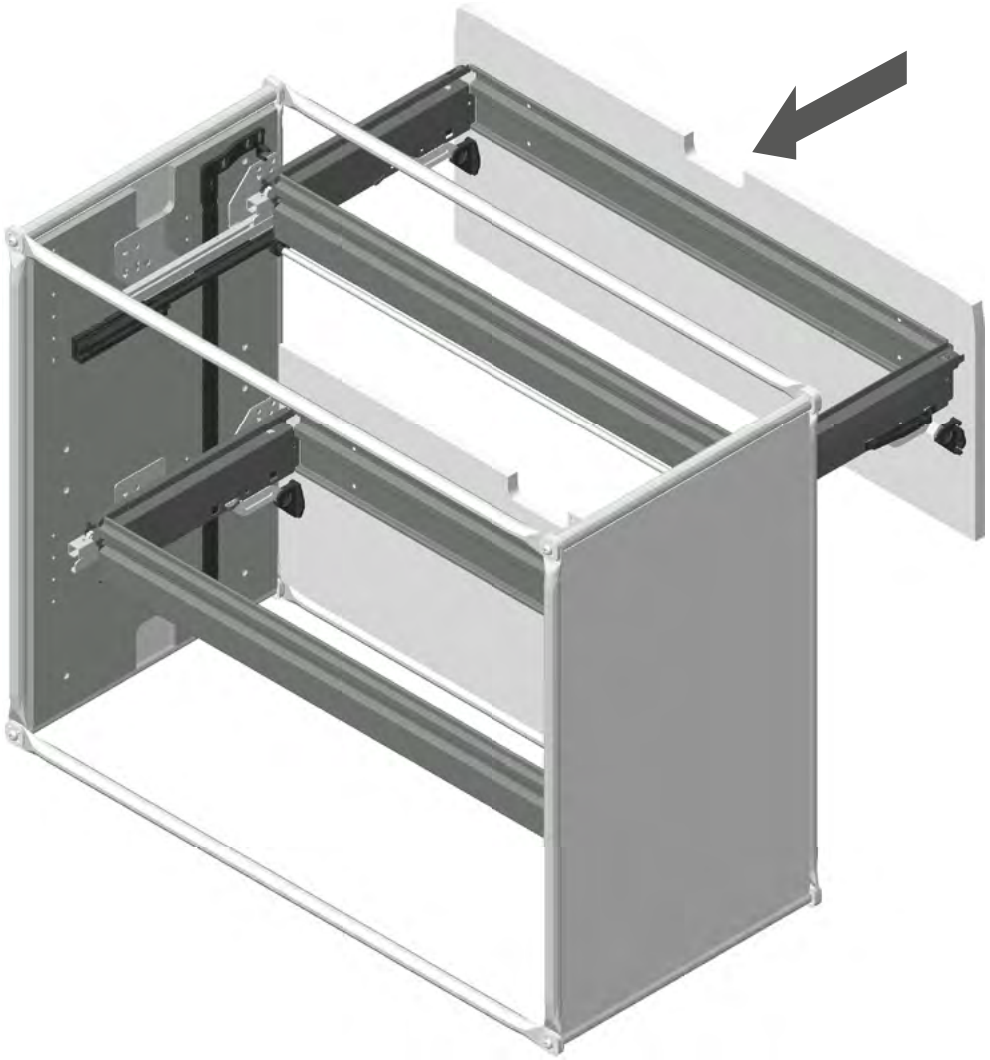


2.5 Hanging folder filer

2.5.2 Assembling the hanging folder filing system

❸ **To slide the hanging folder filer into the module, press the front panel in the middle.**

! **Attention: In the case of hanging folder filer with a synchronous rod, the hanging folder filer must be pushed in exactly in the middle so that it does not hang at an angle in the module.**



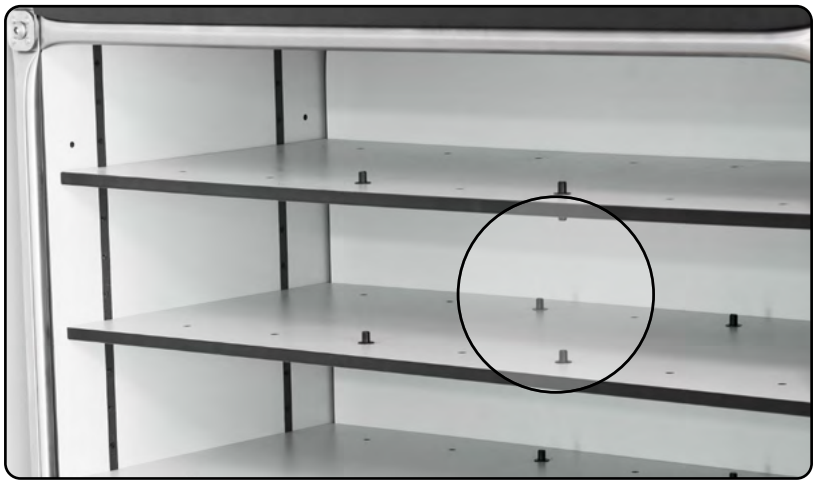
2.6 Magazines (with small niches)

2.6.1 Inserting the base panel

❶ **Insert two shelf support pins on each side into the shelving holes you require, making sure they are all at the same height.**

❷ **Lower the base panel into the shelf support pins.**

❸ **Insert the shorter end of the base panel support pins in the holes in the lower floor panel (at both front and back) and in the upper floor panel (at both front and back).**



2.6 Magazines (with small niches)

2.6.2 Inserting partitions

! Follow the order 4, 5 and 6!

! Upper and lower partitions have rubber plugs, which must point to the system floor during installation.

! The upper partition is flatter than the lower and middle bridges.

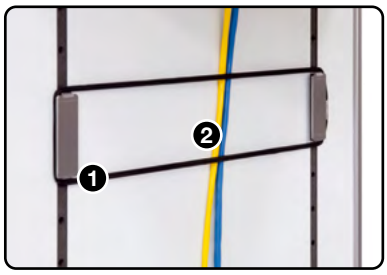
❹ Make sure that the upper partitions are shallower than the middle and lower partitions and that they contain rubber plugs, which will need to be pointing upwards during assembly!

❺ Slide the lower partition over the base panel support pins into the magazine. Make sure that the lower partitions contain rubber plugs, which will need to be pointing downwards during assembly. In contrast to the upper partitions, the lower partitions are the same size as the middle partitions.

❻ Slide the partition over the base panel support pins into the magazine. Make sure that the middle partitions do not contain rubber plugs.

2.7 Cable management

2.7.1 Types and assembly

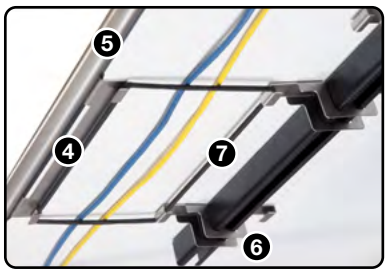


Side panel

! N.B.: The milled finish of the perforated strip has sharp edges.

1 Press the cable holder firmly into the side panel

2 Stretch out the rubber band carefully



Work surfaces, system width < 1350 mm

5-mm hex key/cordless electric screwdriver

1 Clear the work surface of all objects

2 Loosen the front system nodes on the work surface by about 1 cm

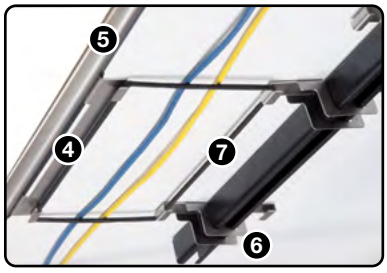
3 Hold the work surface firmly and pull the standard system bar forward

4 Insert the cable mounting into the pre-drilled holes

5 Re-tighten up the standard system bar again

6 Pull the cable clamp out of the organization rail

7 Stretch out the rubber band carefully



Work surfaces, system width > 1350 mm

5 mm hex key / cordless electric screwdriver and PH2 Phillips head screwdriver

1 Clear the work surface of all objects

2 Loosen the front system nodes on the work surface by about 1 cm

3 Loosen the Rafix connector on the underside of the work surface.

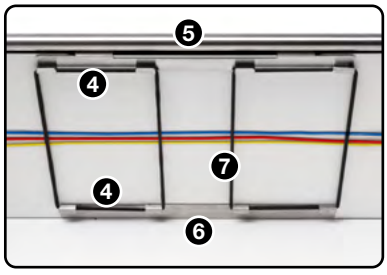
4 Hold the work surface firmly and pull the standard system bar forward

4 Insert the cable mountings into the pre-drilled holes

5 Re-tighten up the standard system bar again

6 Pull the cable clamp out of the organization rail

7 Stretch out the rubber band carefully



System bases

5-mm hex key/cordless electric screwdriver

1 Clear the system base panel of all contents

2 Loosen the front system nodes by about 1 cm

3 Pull the standard system bar forwards

4 Insert the cable mountings into the pre-drilled holes

5 Re-tighten up the standard system bar again

6 Repeat on the opposite side

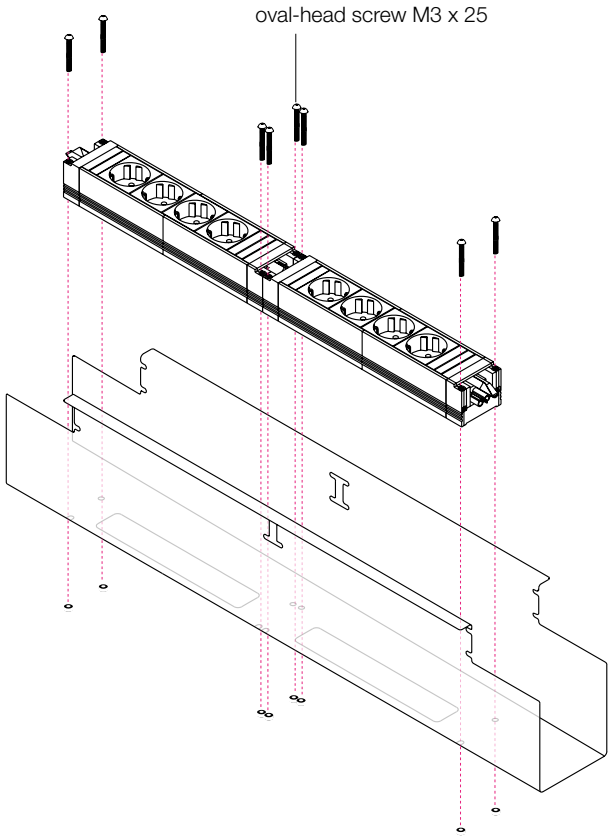
7 Stretch out the rubber band carefully

2.7 Cable management

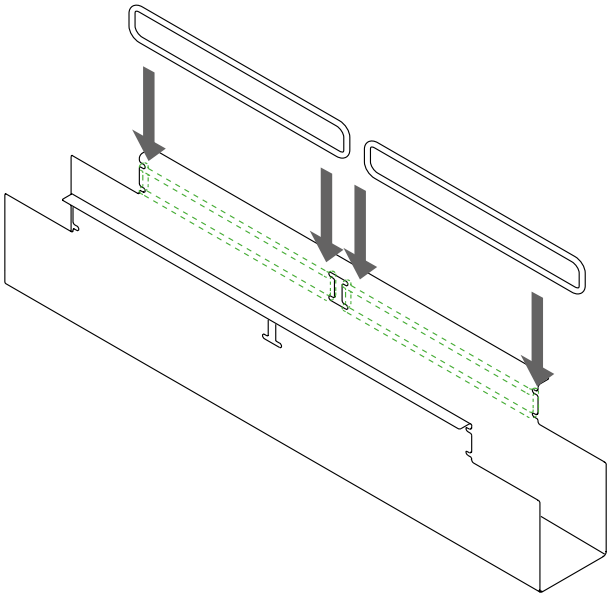
2.7.2.1 Device box assembly

2 mm hex key

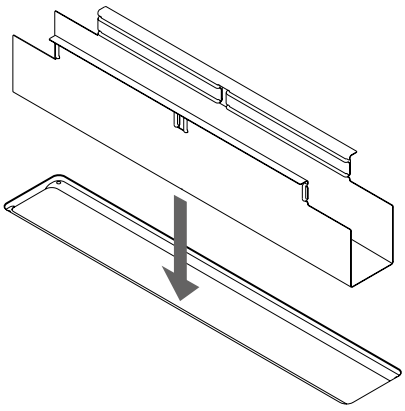
! On the side where a monitor arm adapter is mounted, omit the rubber (❹).



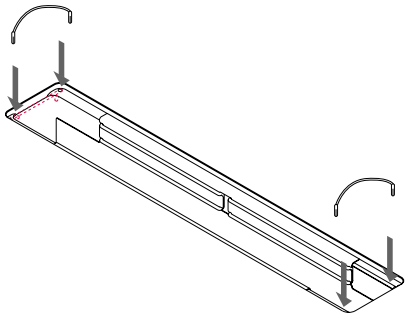
❶ Insert the screws through the holes provided in the socket strip and the tray and tighten them from below using the nuts.



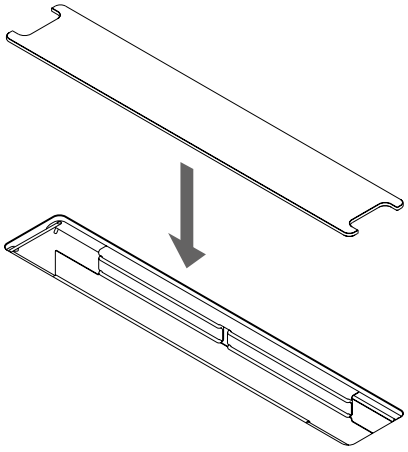
❷ Attach the rubbers to the inside wall of the tray.



❸ Insert the technology tray into the cut-out in the table provided for this purpose.



❹ Insert the metal ends of the rubbers into the holes of the table cut-out.



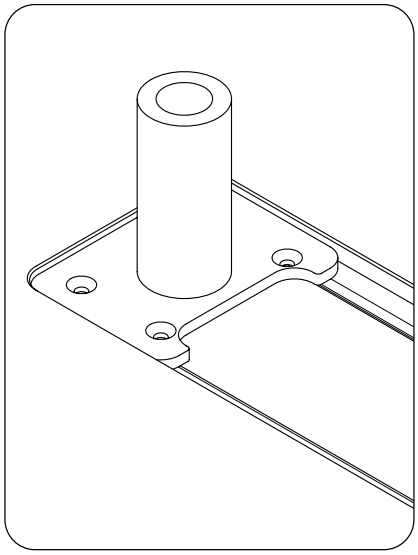
❺ Place the cover on the table cut-out.

2.7 Cable management

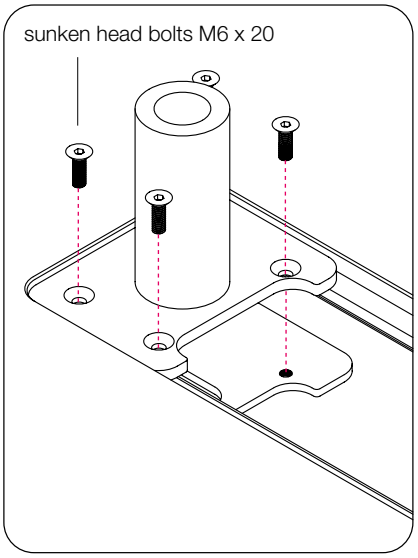
2.7.2.2 Monitor holder

4 mm hex key or cordless electric screwdriver

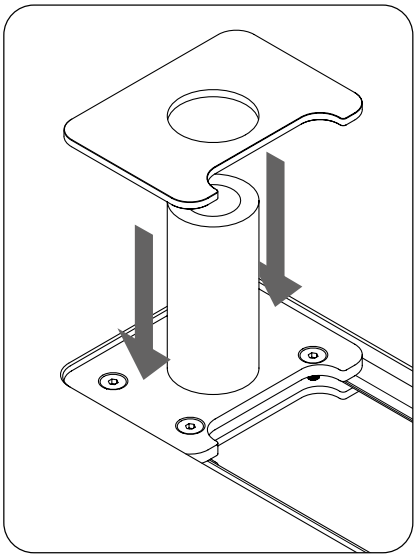
❶ Shove rack succinct to the edge.



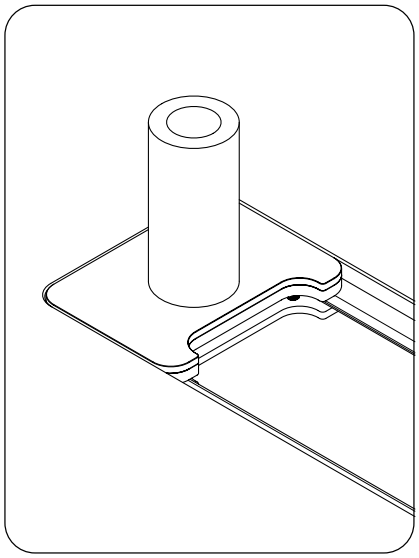
❷

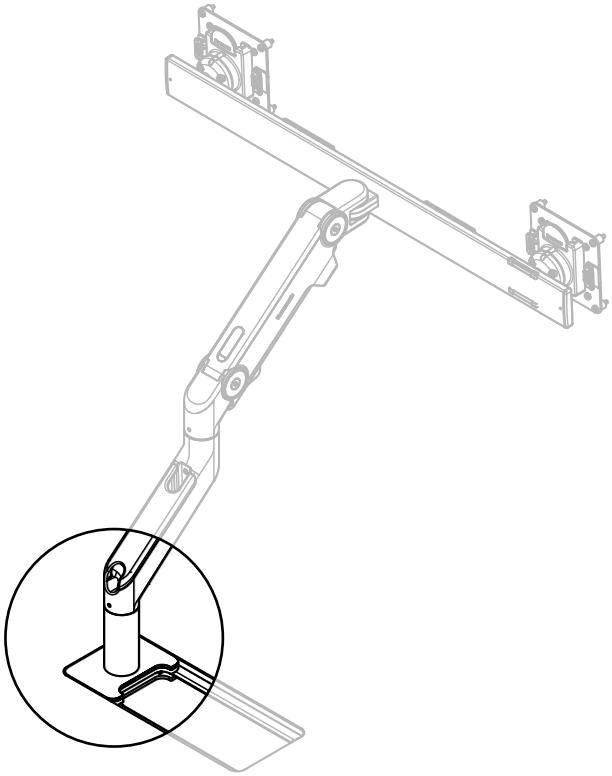


❸



❹



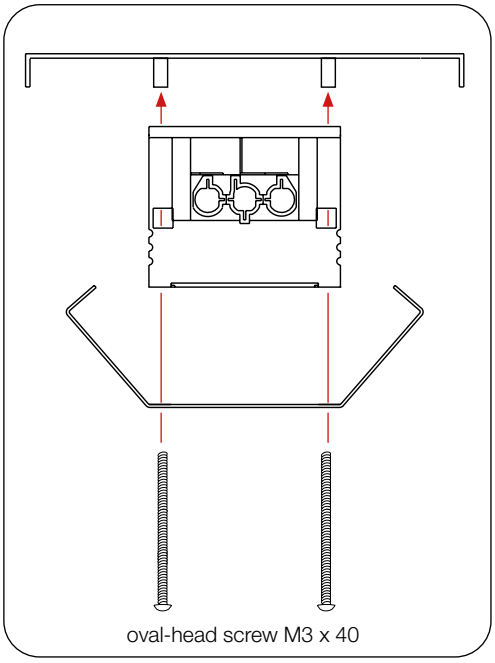


2.7 Cable management

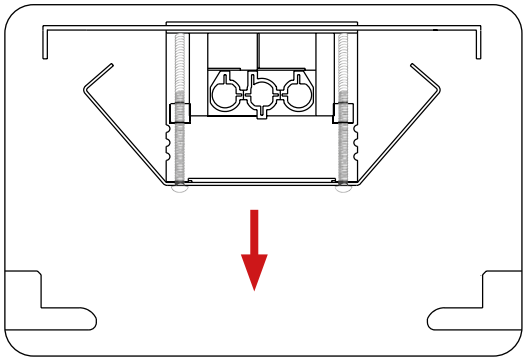
2.7.3 Device insert assembly

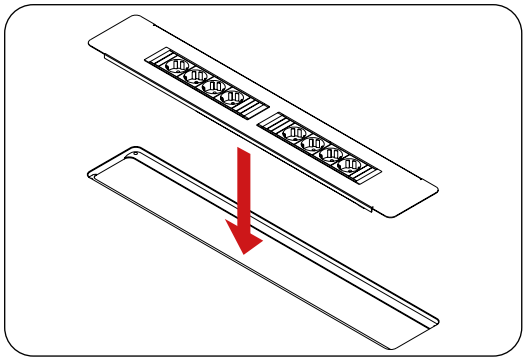
4 mm hex key

❶ Insert the screws through the holes provided and connect the metal sheets to the socket strip. Tighten them from below using the nuts.

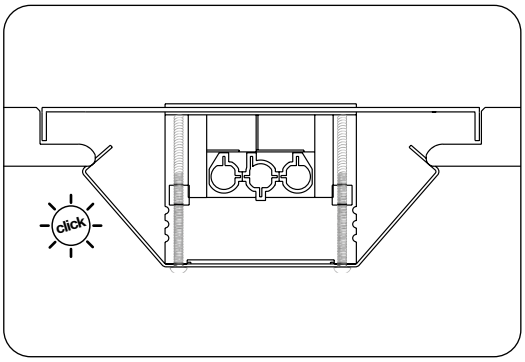


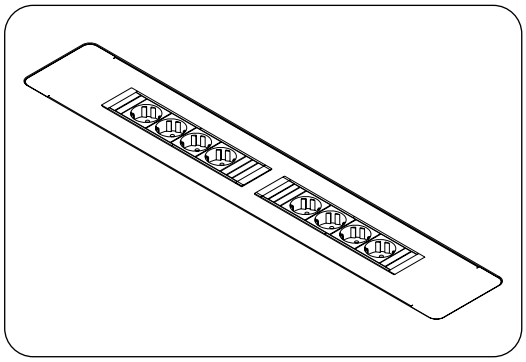
❷ Insert the device insert into the provided cut-out in the table.





❸ Press the technical insert firmly into the cut-out until it clicks.



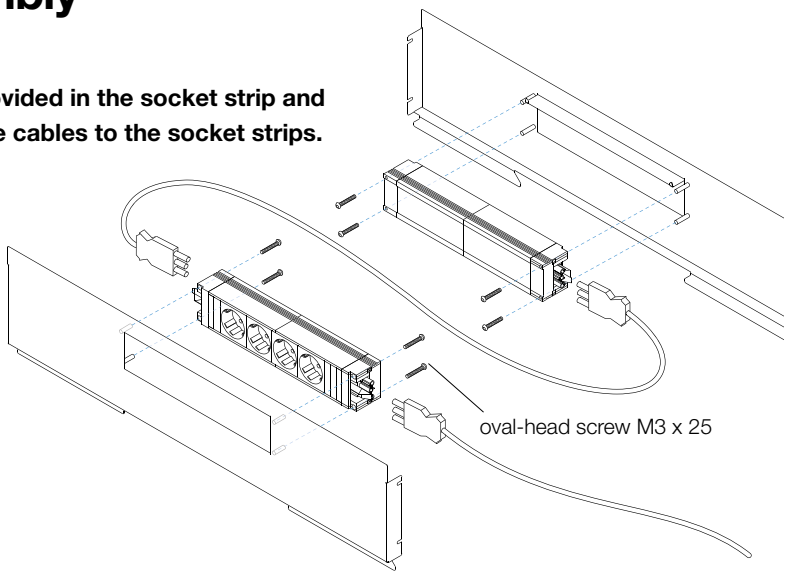


2.7 Cable management

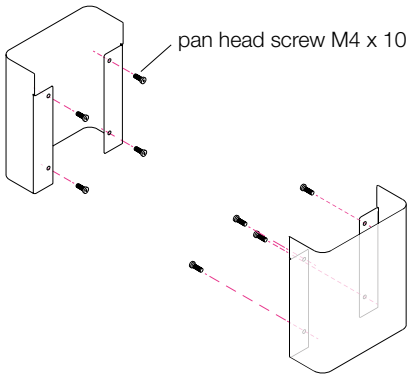
2.7.4 Device top assembly

2 mm hex key

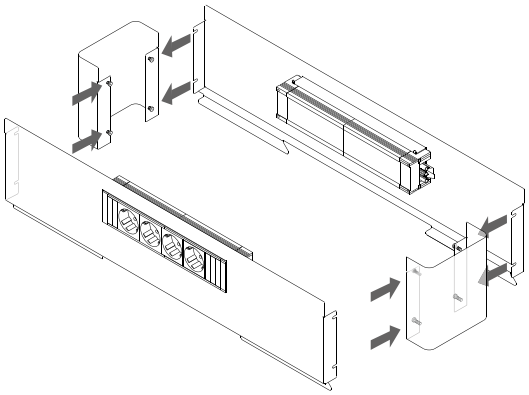
❶ Insert the screws through the holes provided in the socket strip and screw it to the side panels. Connect the cables to the socket strips.



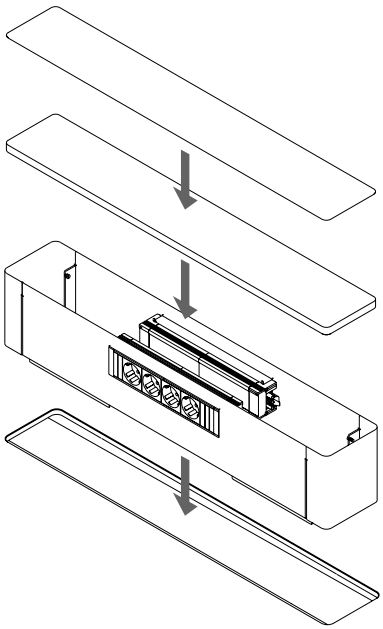
❷ Screw the screws lightly into the holes of the end parts.
! Caution: Do not tighten yet.



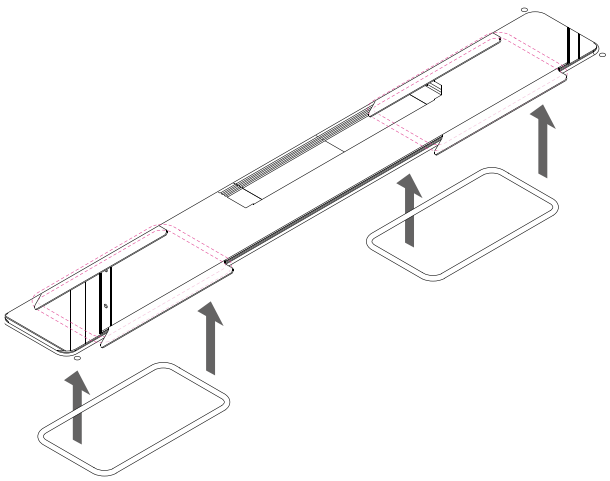
❸ Now insert the side parts into the screws of the end parts and tighten the screws.



❹ Place the lid and the cork mat on the Device top. Now insert the Device top into the table cut-out provided.



❺ Attach the two rubbers from below to the Device top.



2.8 Base panels using Rafix connectors

2.8 Base panels using Rafix connectors

RAFIX 20 - Connection fittings for easy assembly and disassembly of furniture components and shelving. The RAFIX 20 body and shelving connectors are fitted with matching elements in die-cast zinc designed using what is referred to as a central "cam" principle.

5 mm hex key / cordless electric screwdriver and PH2 Phillips head screwdriver

❶ Screw the RAFIX-M4-VZ anchors into the standard bars.

❷ After inserting the base panel, tighten up the connectors.

2.9 The brochure display

2.9 Assembling the brochure display

5 mm hex key / cordless electric screwdriver and PH2 Phillips head screwdriver

❶ Loosely crew the mounting plates onto the underside of the display, so that the mounting plates can still slide about. Then insert the bring bushings onto the pins on the mounting plates.

❷ Screw the adaptive side panels onto the side panels of the module you are working on. A pull-out shelf will be set into the middle of the module if that module is 720 mm in height.

❸ Lay the brochure display with the bearing bushings on the mounting plates into the notch in the adaptive side panels on both sides and secure the two mounting plates using two more wafer-head screws.

2.10 Wall Mounting

2.10.1 Tilt protection

Wood screw Spax 6,0 x 80, dowel FU 10 x 60

! The wall mounting may only be installed by qualified personnel.

! Before mounting, check that the wall is sufficiently strong and thick.

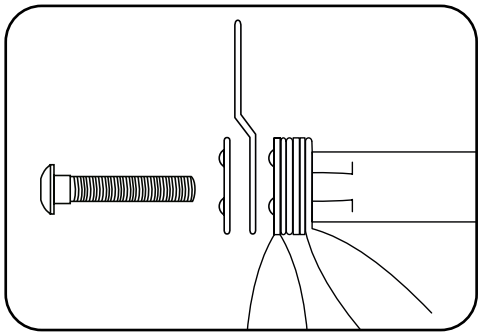
! Incorrect installation may result in an accident!

! Overview Heights:

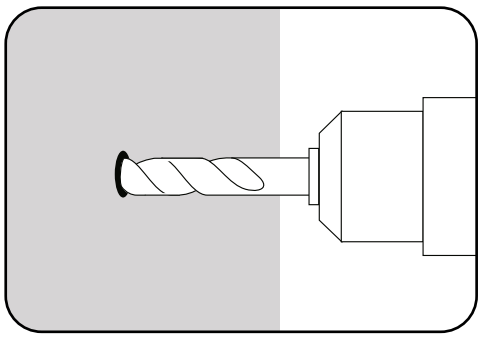
To conform to DIN FB 147, EN 14073 Parts 2 and 3, and EN 14074, you will need to fit wall fixings from the following heights.

Systemtiefe	210	340	430	600	690	780	870
offene Regale ab Höhe (in cm)	105	170	215	300	345	390	435
mit Türen/Auszüge ab Höhe (in cm)	84	136	172	204	276	312	348

❶ First mount the wall bracket to the top of your shelf.

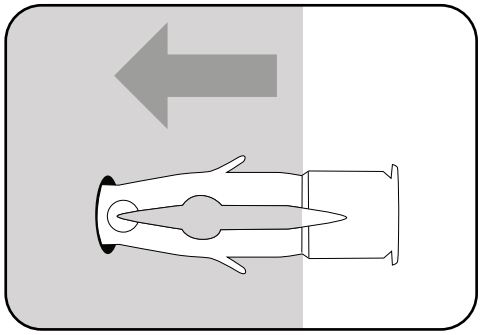


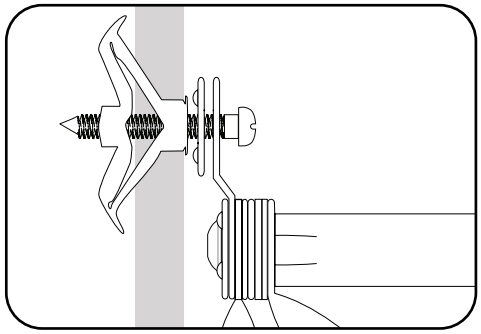
❷ Draw the positions of the dowel holes on the wall.
Drill the holes at the appropriate location. Note the drill hole depth and drill diameter!



Drill Ø	10 mm
min. drillhole depth	70 mm
min. anchoring depth	50 mm

❸ Insert the dowel and screw on the shelf. If necessary, adjust the distance to the wall with system washers.





2.10 Wall Mounting

2.10.2 Wall suspension

Wood screw Spax 6,0 x 80, dowel FU 10 x 60

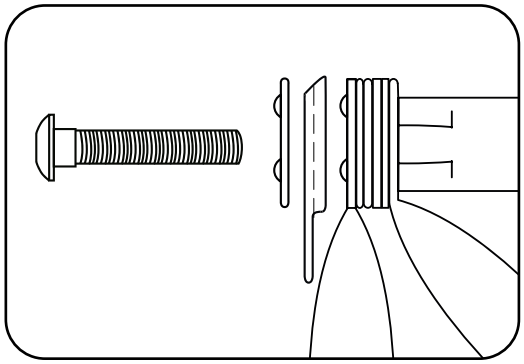
The back panels of the shelf can only be put in from the inside after the wall mounting.

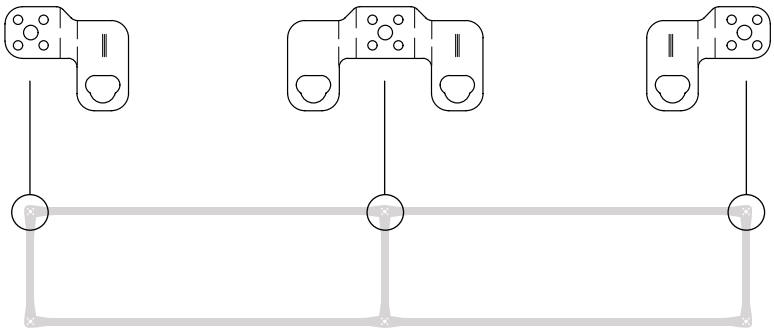
The wall mounting may only be installed by qualified personnel.

Before mounting, check that the wall is sufficiently strong and thick.

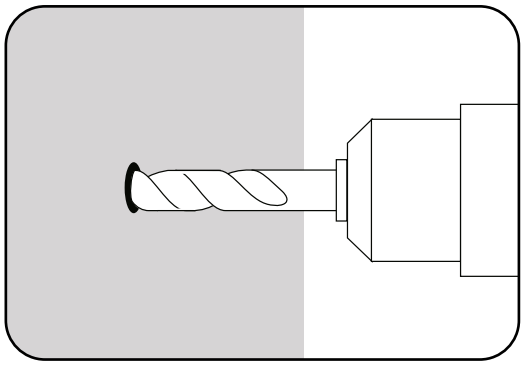
Incorrect installation may result in an accident!

❶ First mount the wall suspension to the top of your shelf.





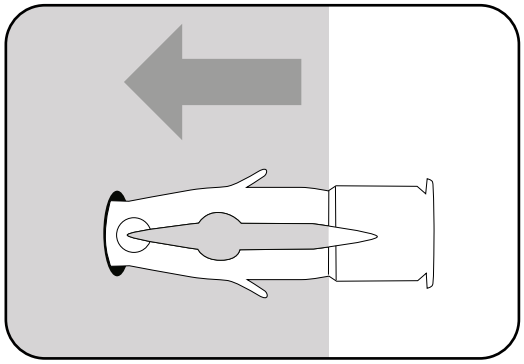
❷ Draw the positions of the dowel holes on the wall.
Drill the holes at the appropriate location. Note the drill hole depth and drill diameter!

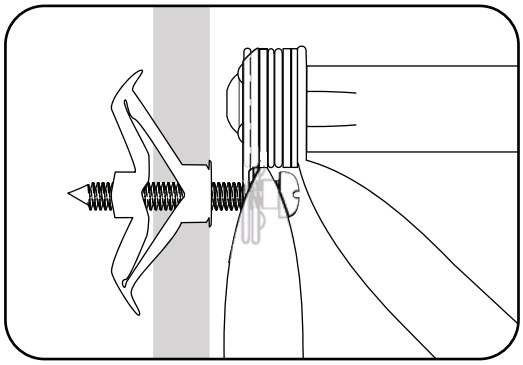


Drill Ø	10 mm
min. drillhole depth	70 mm
min. anchoring depth	50 mm

❸ Insert the dowel and screw on the shelf.

Only after the shelf has been attached to the wall are the rear panels inserted from the inside!





2.11 Locker

2.11.1 Locker layouts overview

❶ **Single compartment (no subdivision, single door)**

❷ **Double compartments horizontally (2 compartments next to each other with double door)**

❸ **Double compartments vertically (2 compartments with single doors on top of each other)**

❹ **Four compartments (2x2 compartments with two double doors on top of each other)**

❺ **Single cabinet (one compartment with cabinet door)**

❻ **Double cabinet (2 compartments with double cabinet door)**

Double-sided use: In depths 690 and 870, the lockers can also be used on both sides.

2.11 Locker

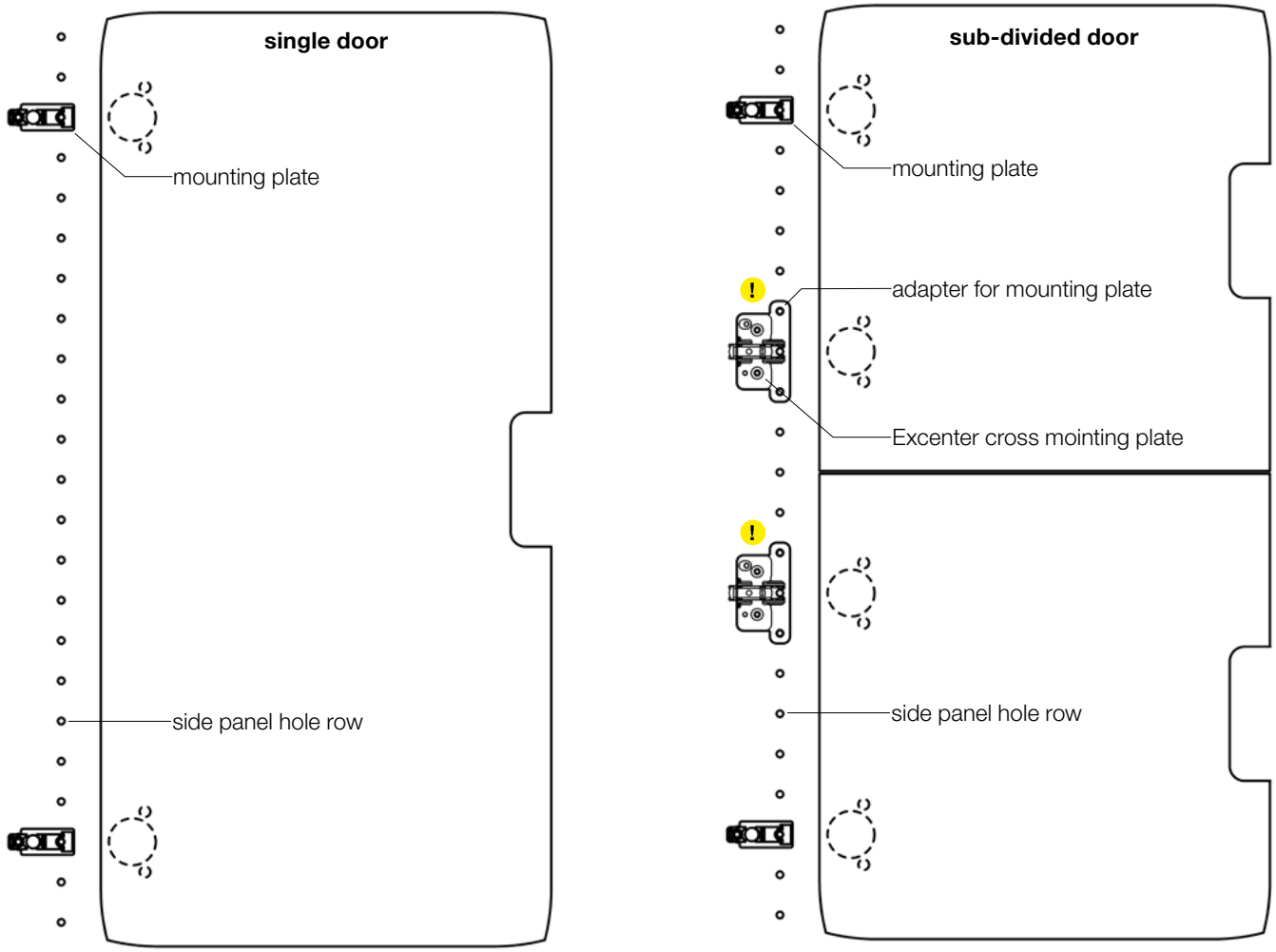
2.11.2 Locker doors

! If the door is sub-divided vertically, additional adapters for the mounting plates are required.

❶ Insert the spreader muffs into the correct holes in the side panel and carefully tap them into place with a rubber hammer.

❷ Fasten the mounting plates (with adapters) with the matching M4x8 pan head screws.

For more information on doors, see chapter „2.1.5 Mounting doors“ on page 30.

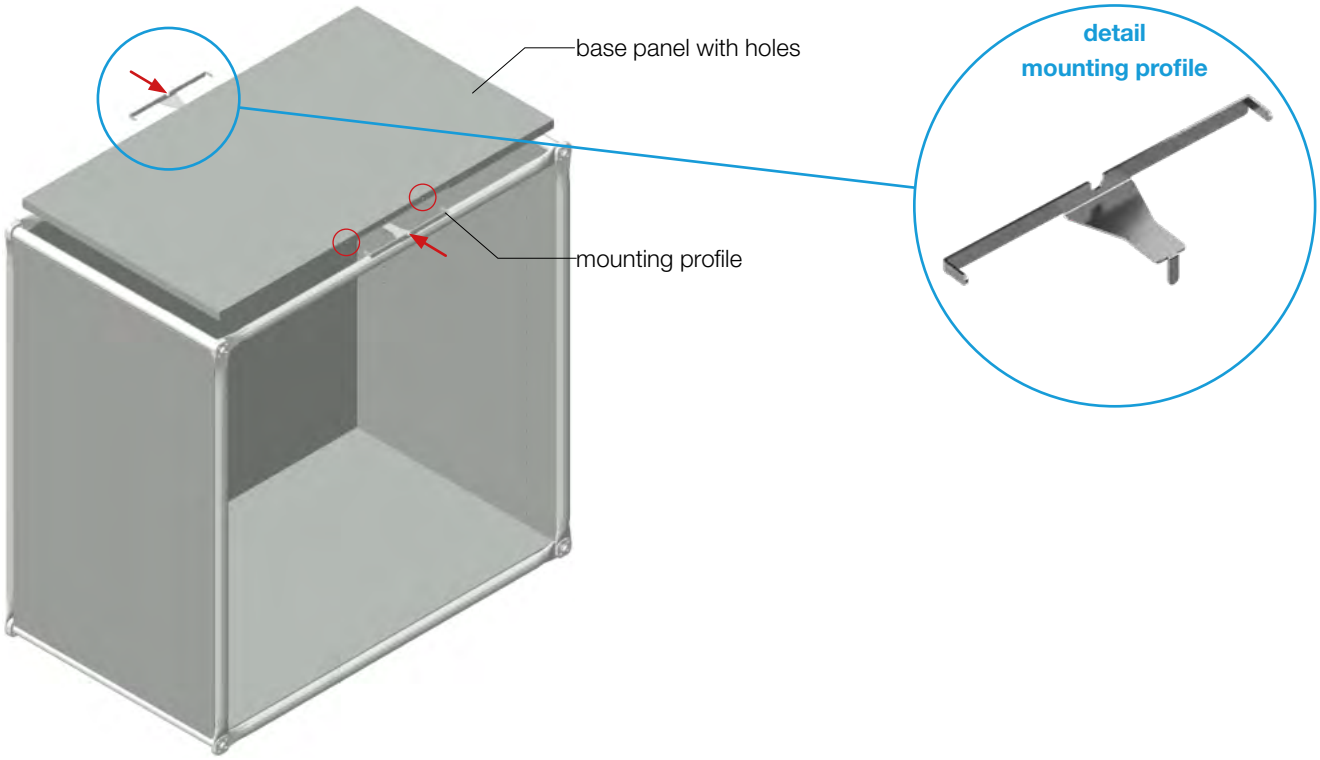


For the assembly of Locker doors you need the following tools:
· Torx T20 screwdriver
· Rubber hammer
· Spreader muff, pan head screws M4x8

2.11 Locker

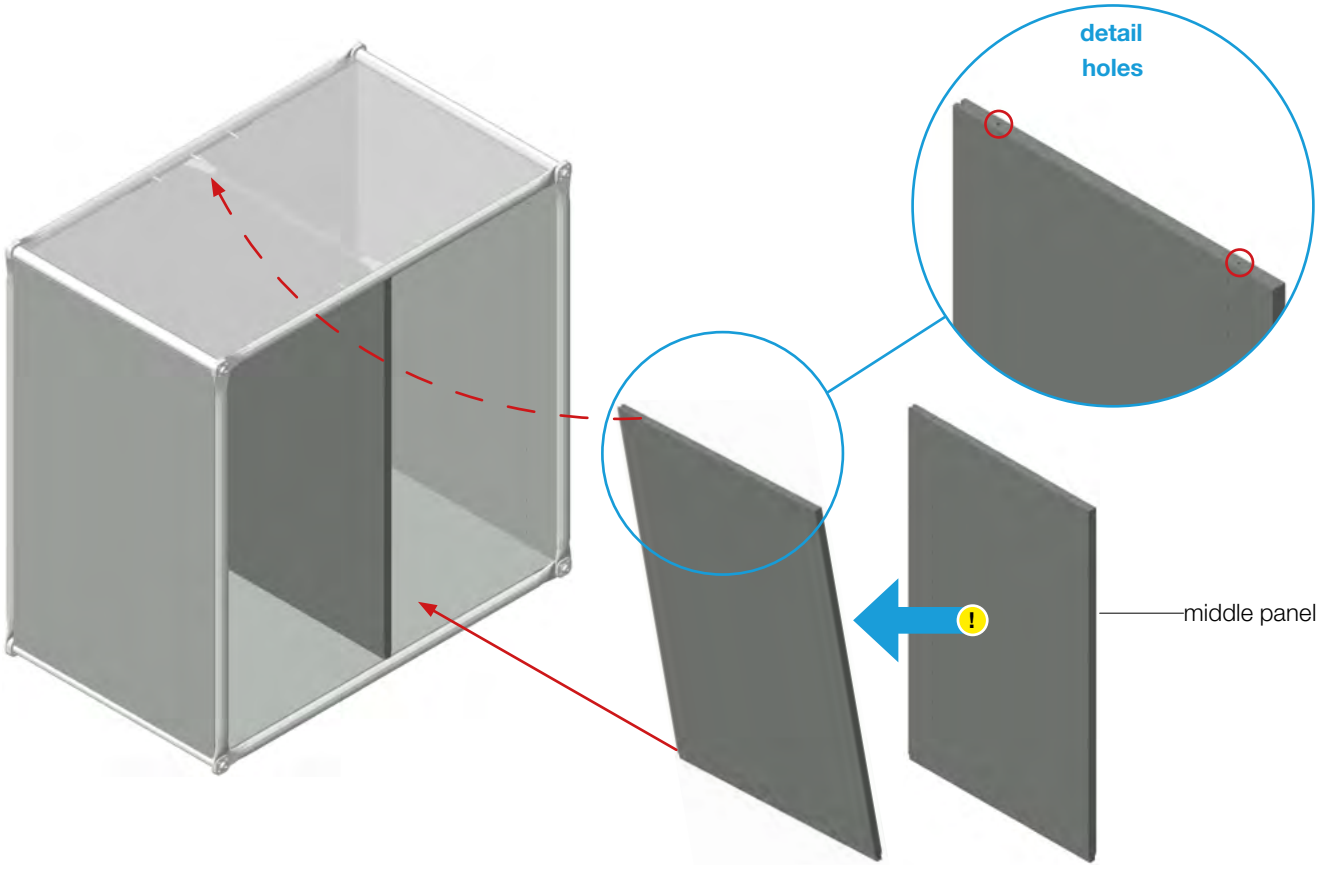
2.11.3 Middle panel to base panel

❶ **Insert the mounting profiles into the holes on the base panel on both sides.**



❸ **Place the middle panel centrally by hooking the mounting profiles into the upper holes.**

! **Note: To insert the middle panel, you have to tilt it slightly.**

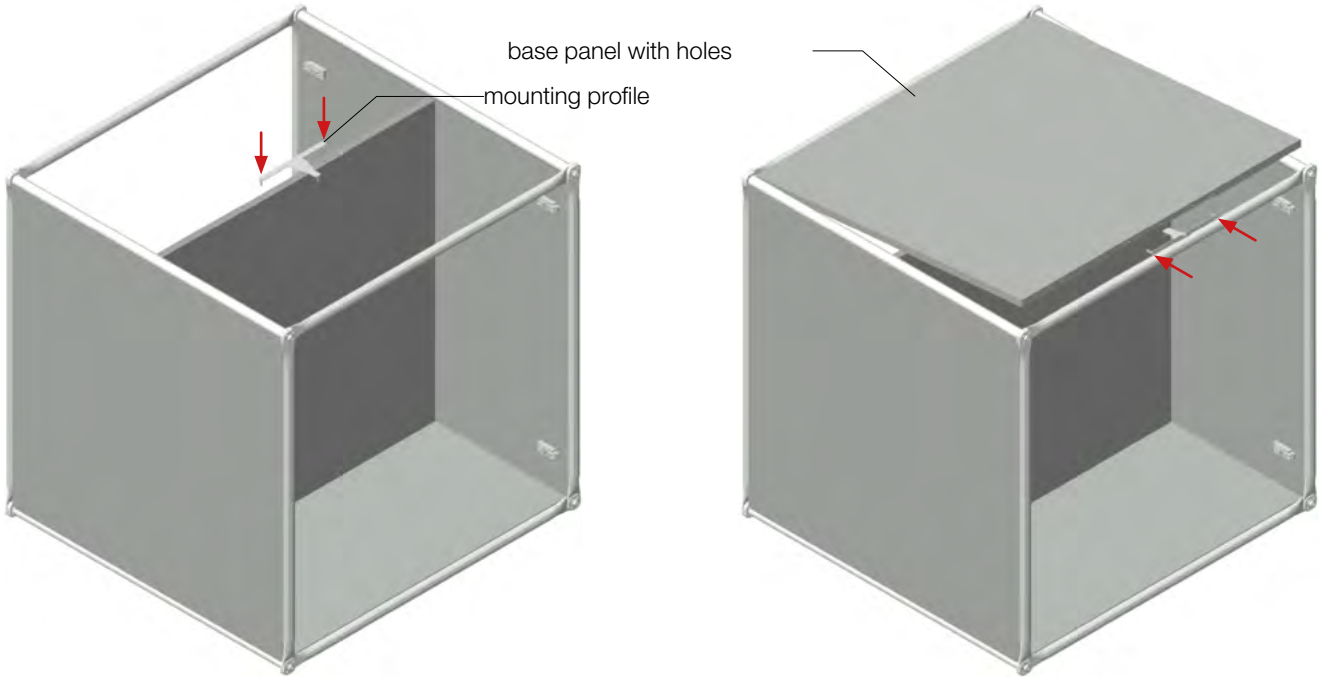


2.11 Locker

2.11.4 Middle panel to depth panel (one-sided use)

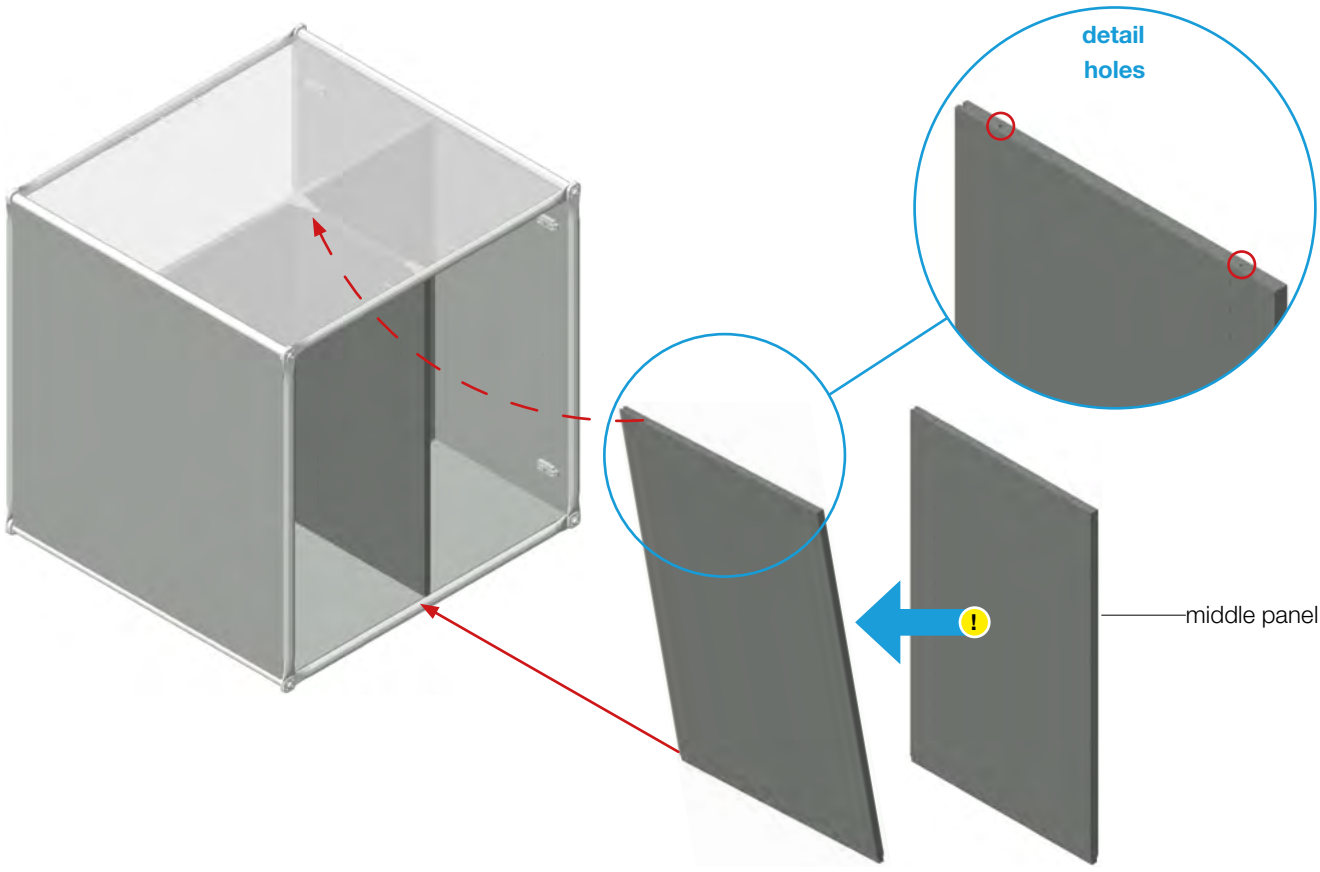
❶ **Attach the first mounting profile to the holes in the depth panel.**

❷ **Fit another mounting profile into the holes in the base panel before inserting it.**



❸ **Place the middle panel centrally by hooking the mounting profiles into the upper holes.**

! **Note: To insert the middle panel, you have to tilt it slightly.**

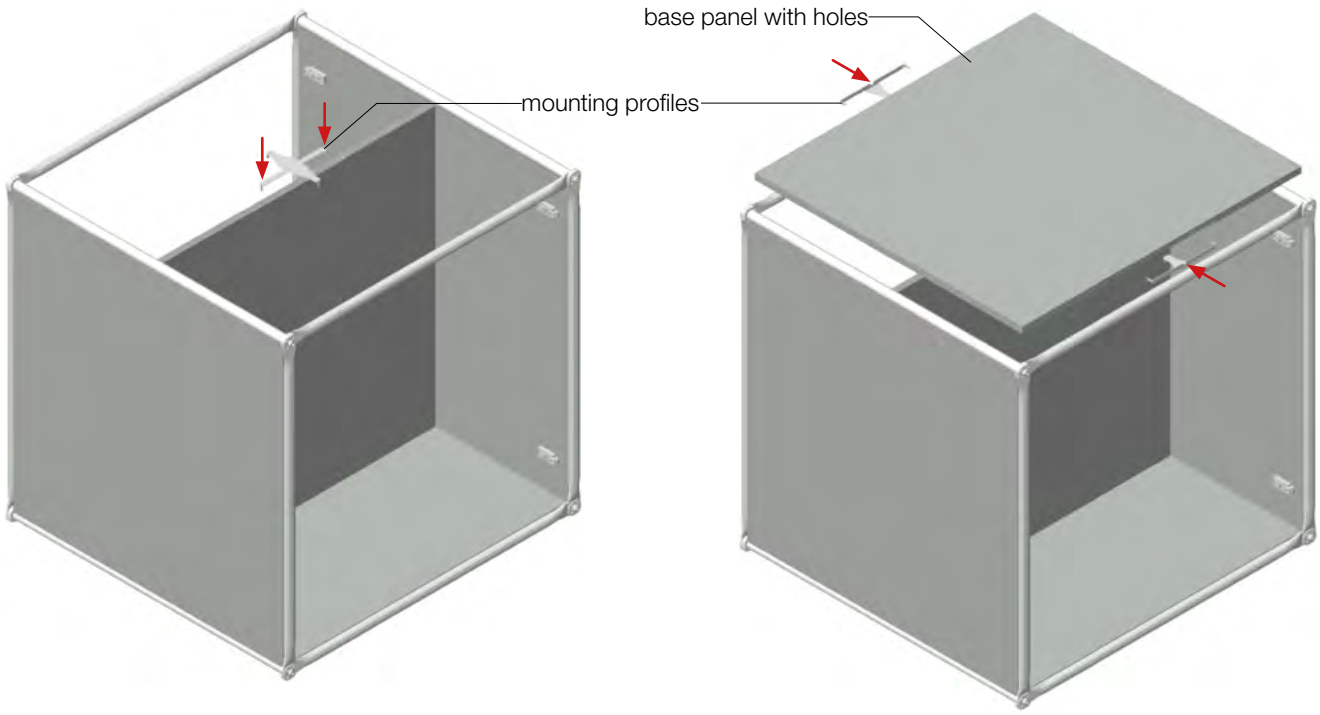


2.11 Locker

2.11.5 Middle panel to depth panel (two-sided use)

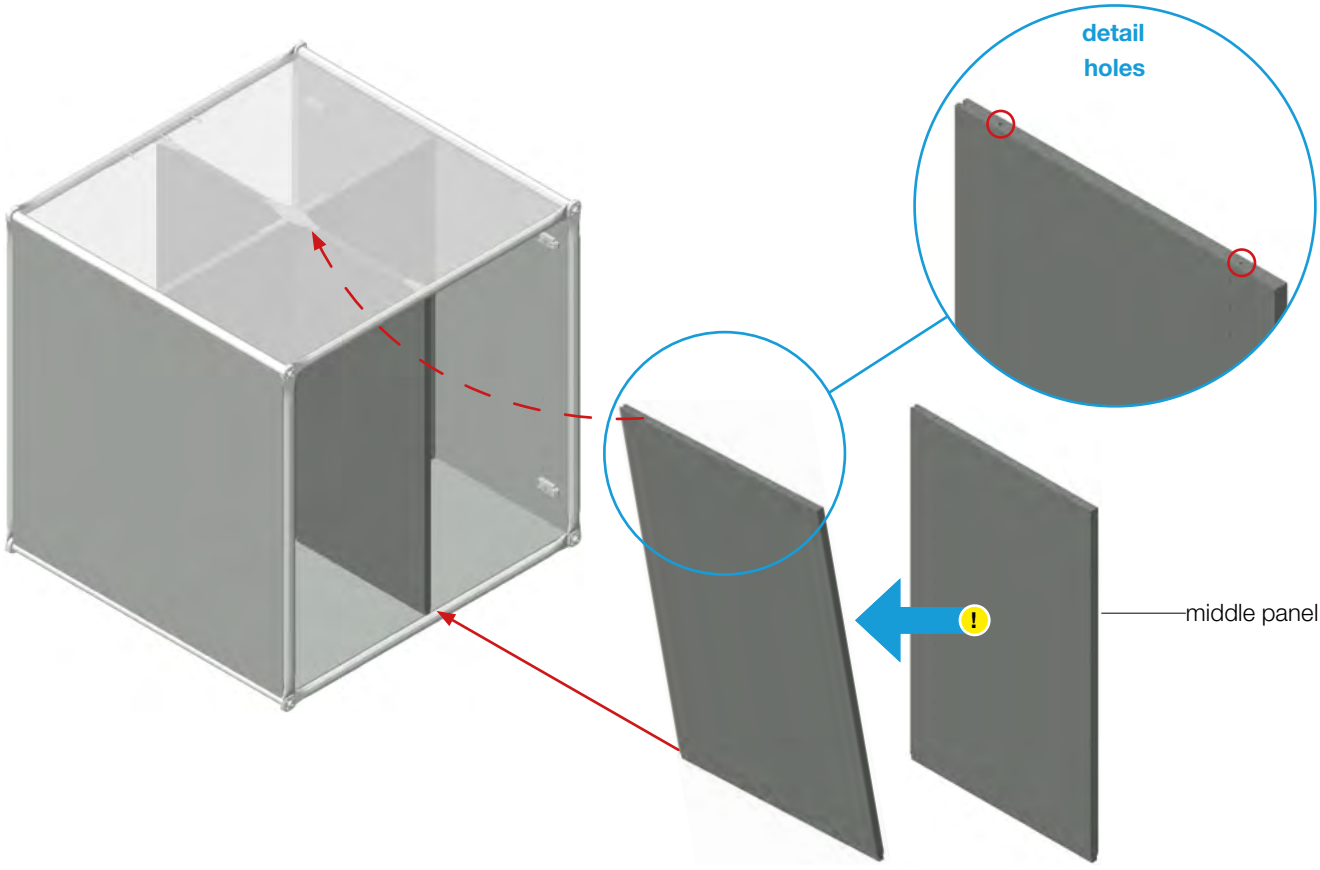
❶ **Attach the first mounting profile to the holes in the depth panel.**

❷ **Fit two more mounting profiles into the holes in the base panel before inserting it.**



❸ **Place the middle panel centrally by hooking the mounting profiles into the upper holes.**

! **Note: To insert the middle panel, you have to tilt it slightly.**

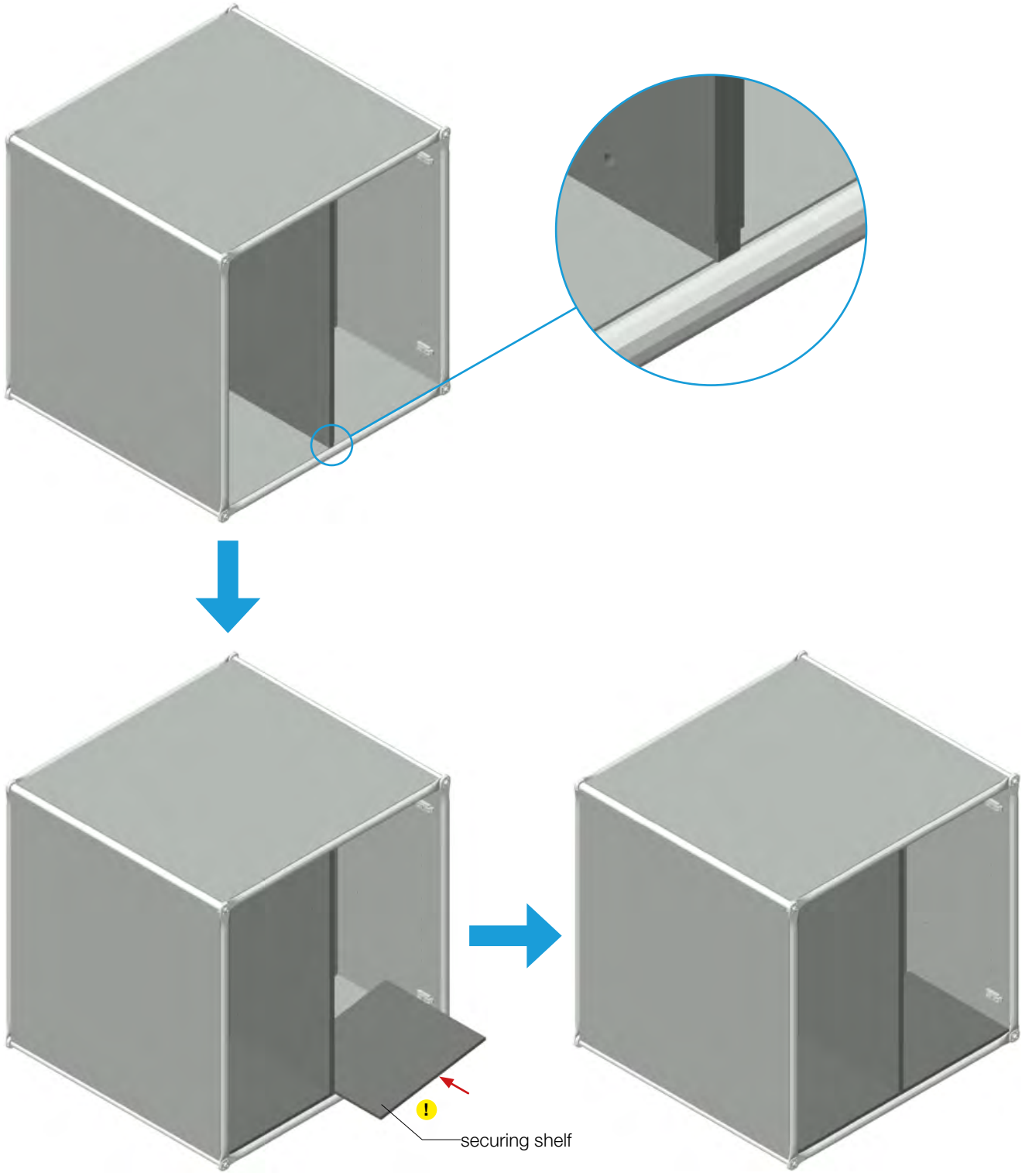


2.11 Locker

2.11.6 Securing shelves for middle panel

To ensure that the middle panel cannot slip, insert the securing panels on both sides.

! Note: To insert the securing panels, you have to tilt them slightly.



2.11 Locker

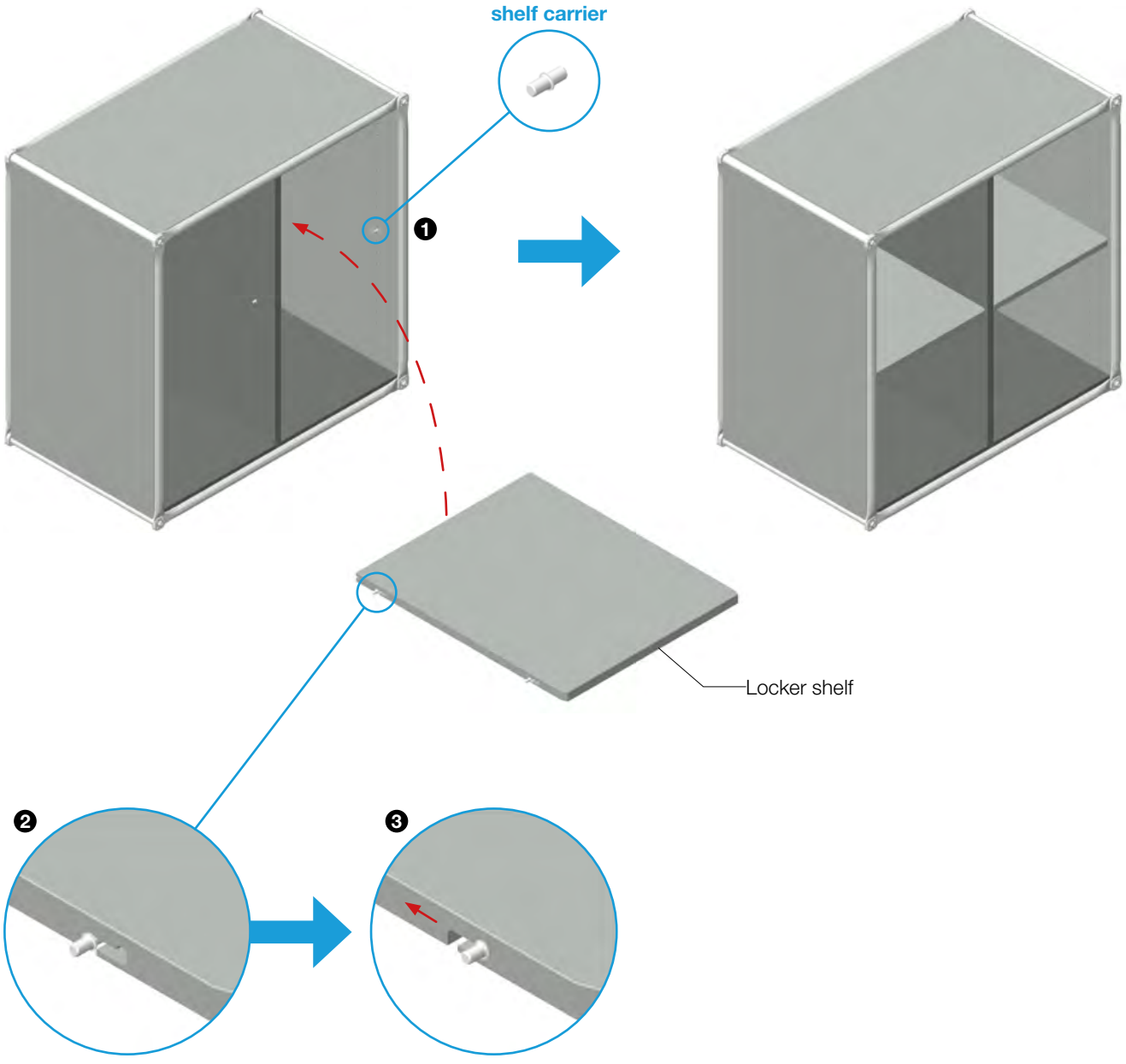
2.11.7 Locker shelf

To additionally split the height of the Locker, insert the Locker shelves.

❶ Insert the shelf carriers at the relevant height into the holes of the middle panel and the side panels.

❷ Place the Locker shelf on the shelf carriers.

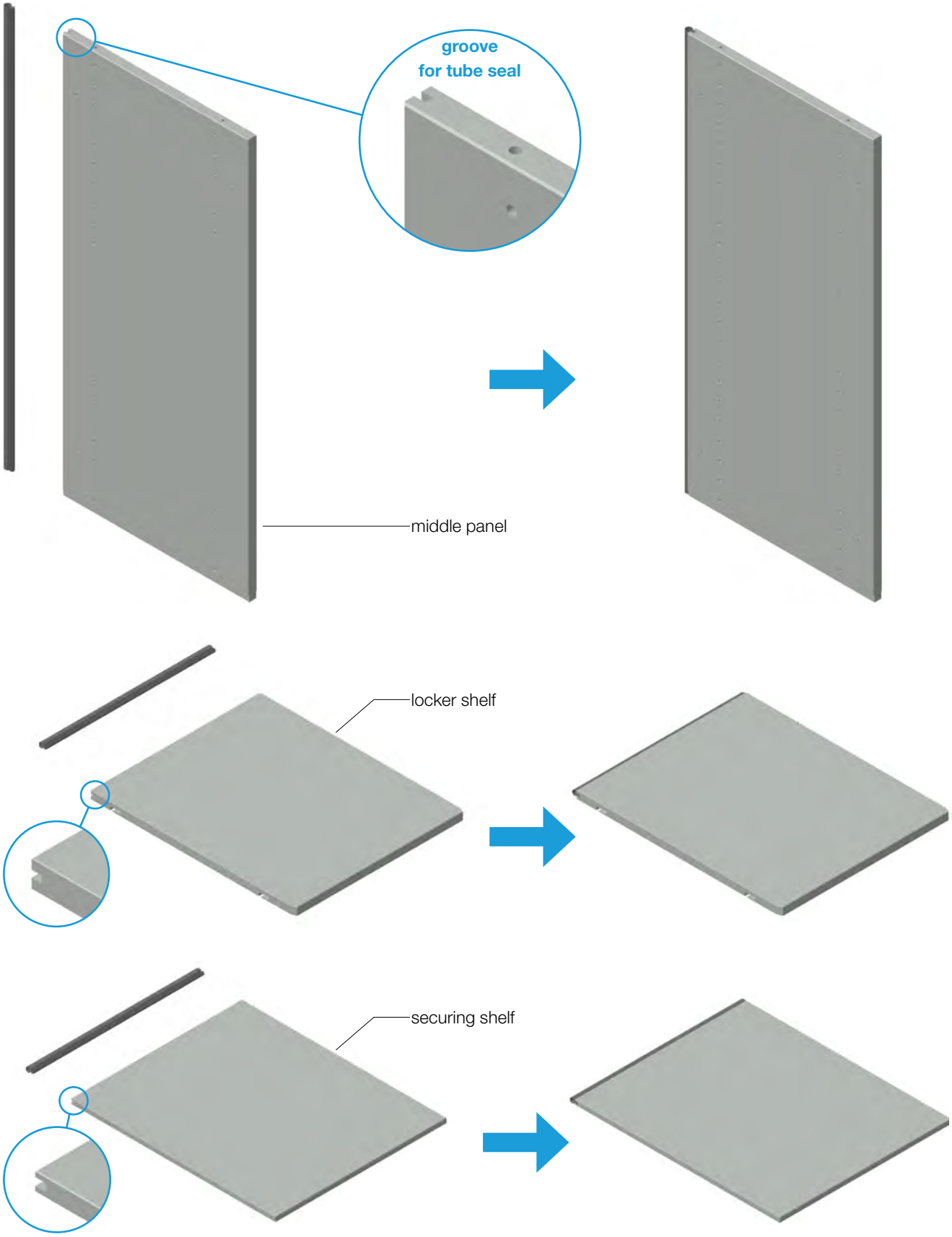
❸ Push the Locker shelf to the depth so that it snaps into the shelf carriers.



2.11 Locker

2.11.8 Tube seal for locker shelves and middle panel

If the Locker is split by a depth panel, the middle panel, locker shelves and securing shelves are each sealed at the back. For this purpose, insert the tube seals into the grooves.



2.11 Locker

2.11.9 Locker shelf with a wardrobe hook

! Caution: Do not assemble the wardrobe hook until the mounting plate has been fastened to the shelf!

! Note: For mounting the wardrobe hook, the shelf needs to be turned upside down.

! Note: For the screw connection, the deeper countersunk holes of the mounting plate are used.

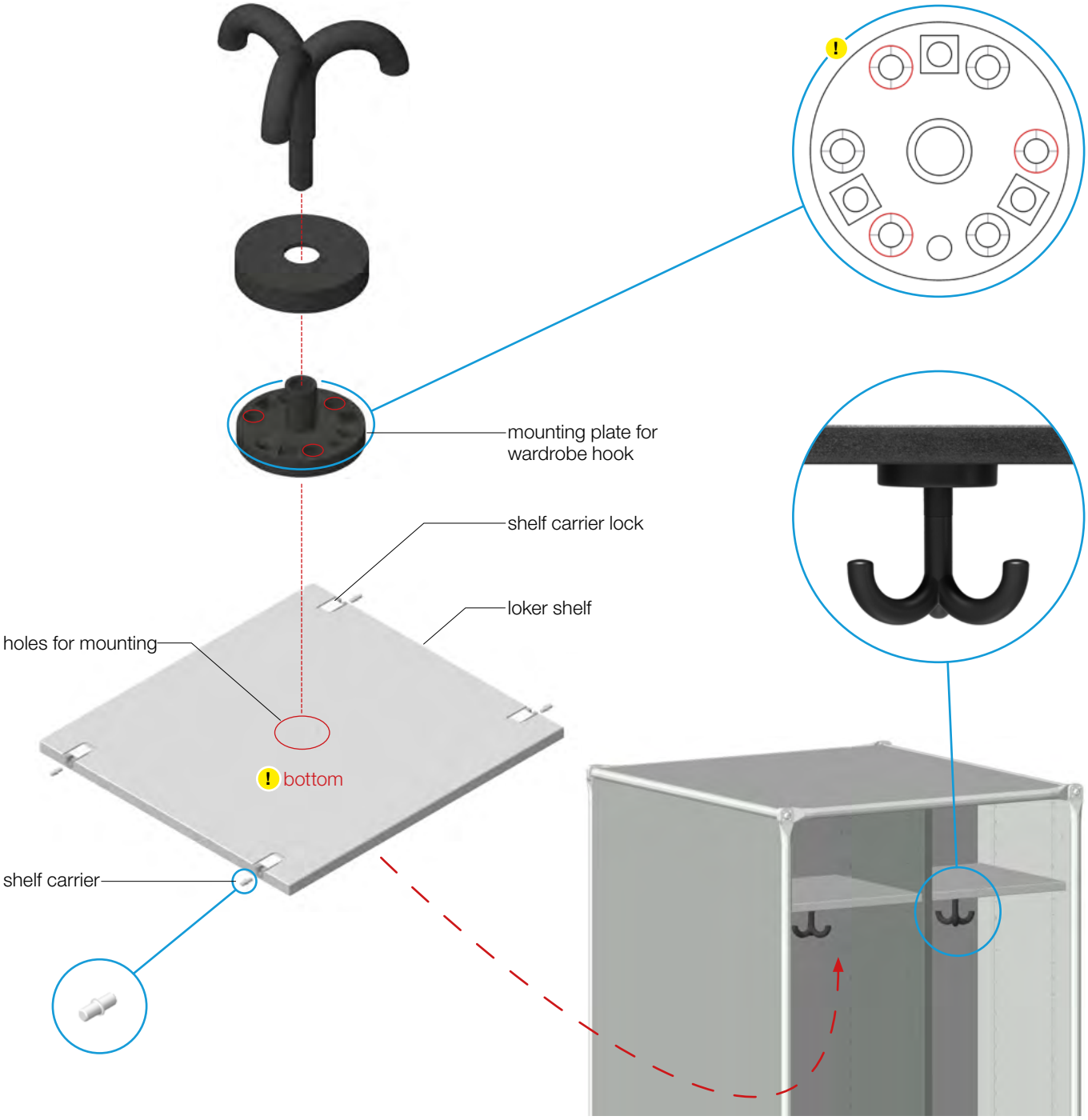
❶ Place the mounting plate of the wardrobe hook exactly over the holes in the shelf.

❷ Screw the mounting plate in place with three wood screws (countersunk Phillips head 3.5x16mm) as shown.

❸ Insert the shelf carriers into the holes of the middle panel and side panels. (6th hole from the top)

❹ Flip over the shelf with the wardrobe hook fitted and place it on the shelf carriers.

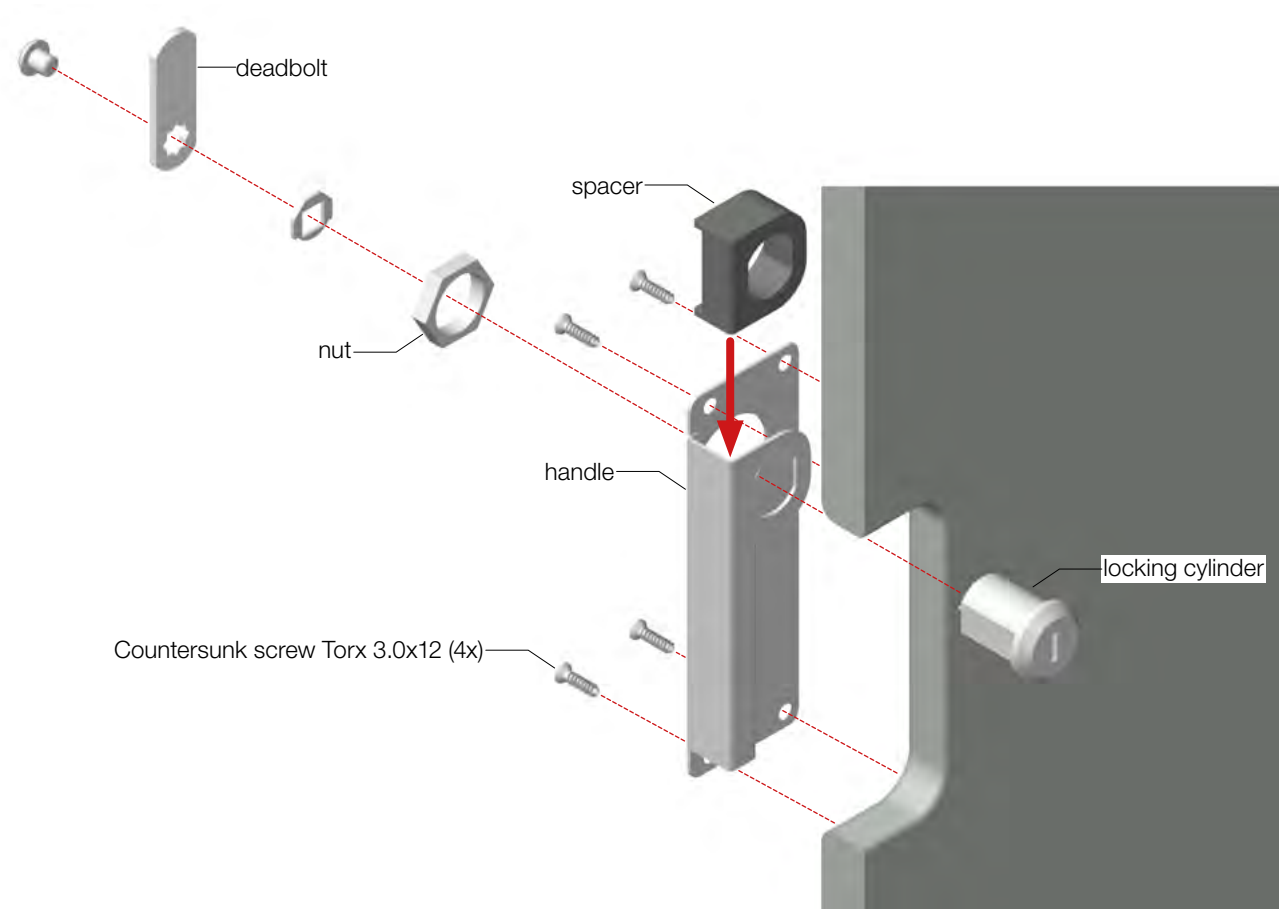
Press down gently from above to lock it in place. You can then close the shelf carrier locks.

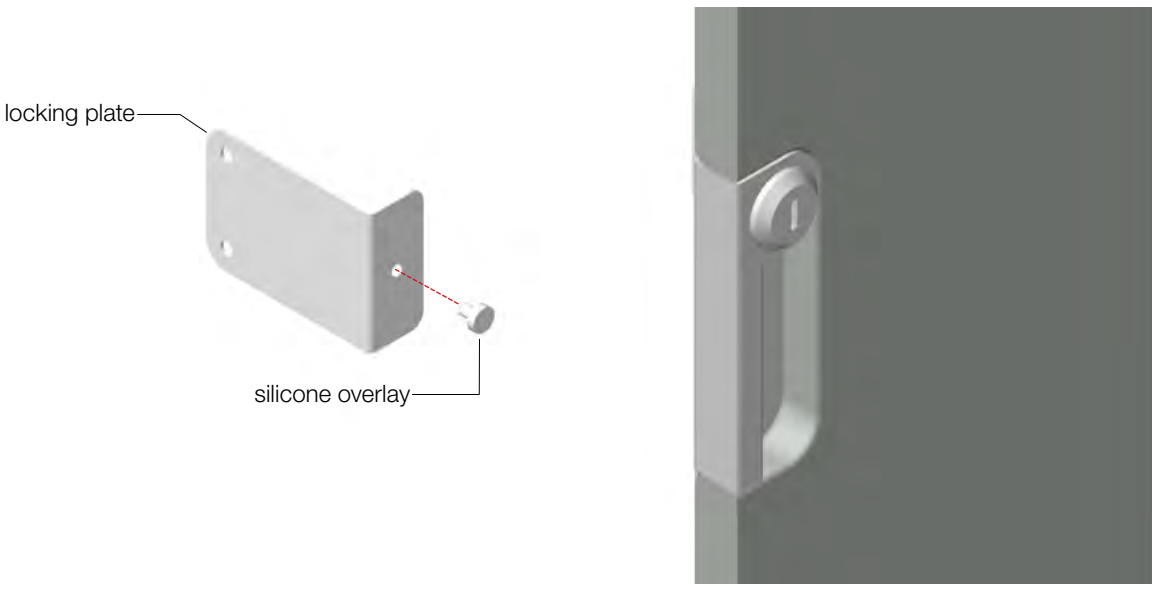


2.11 Locker

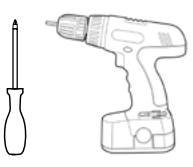
2.11.10.1 Lever lock

Sample assembly schematic: right door





For the assembly of the lever lock you need the following tools:
· T10 Torx screwdriver
· Phillips screwdriver



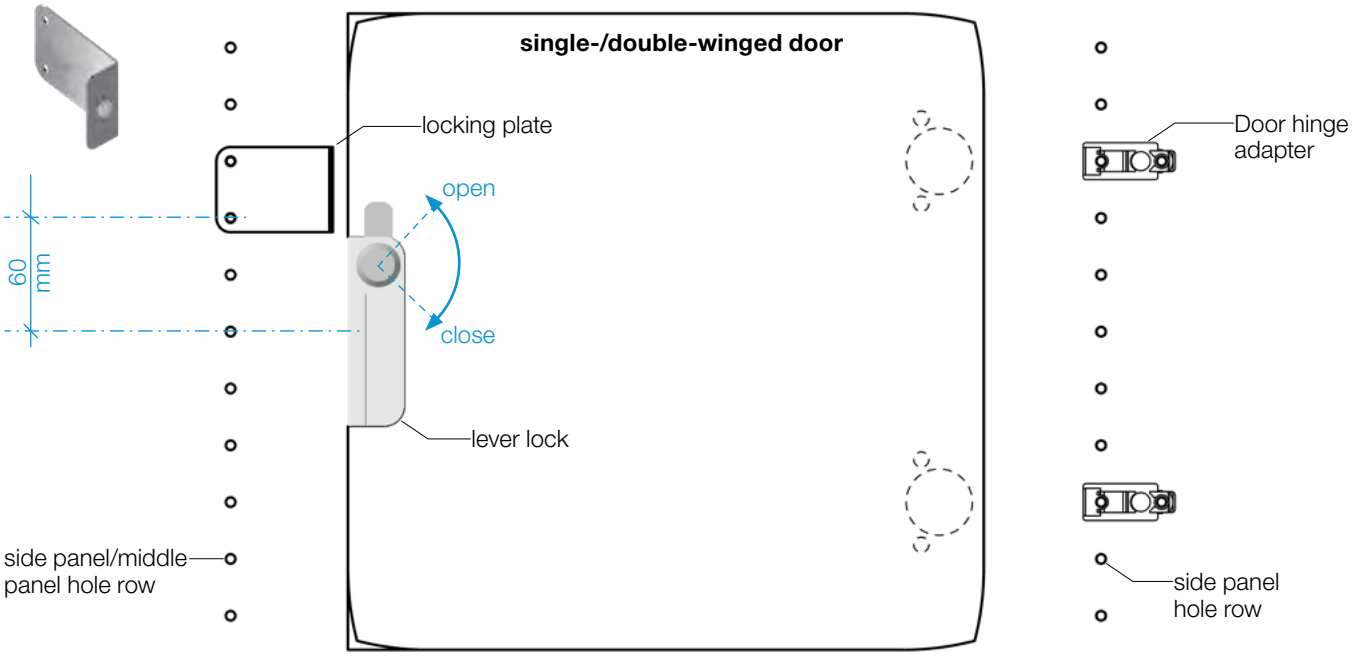
2.11 Locker

2.11.10.1 Locking plate for lever lock

! Position the locking plate 60mm (two holes) above the centre of the lock handle.

❶ Insert the two spreader muffs into the holes of the side panel/middle panel and carefully tap them into place with a rubber hammer.

❷ Fasten the locking plate with two M4x8 pan head screws.



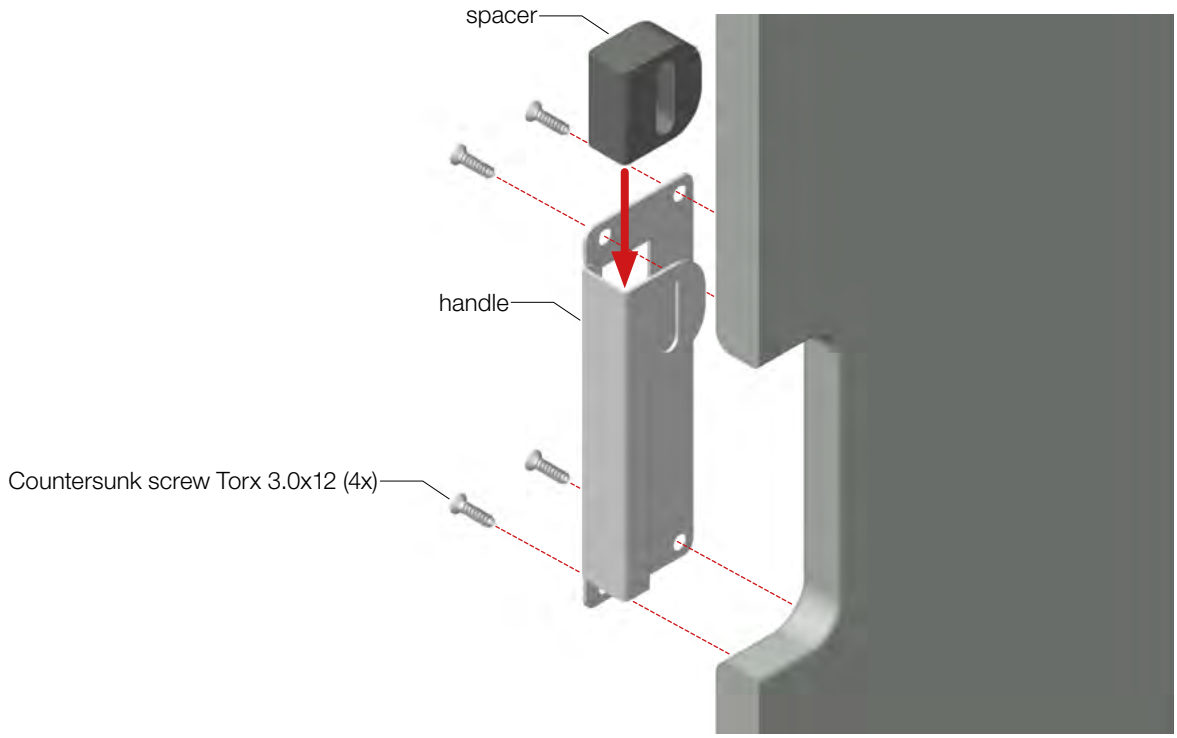
For the assembly of the locking plate you need the following tools:

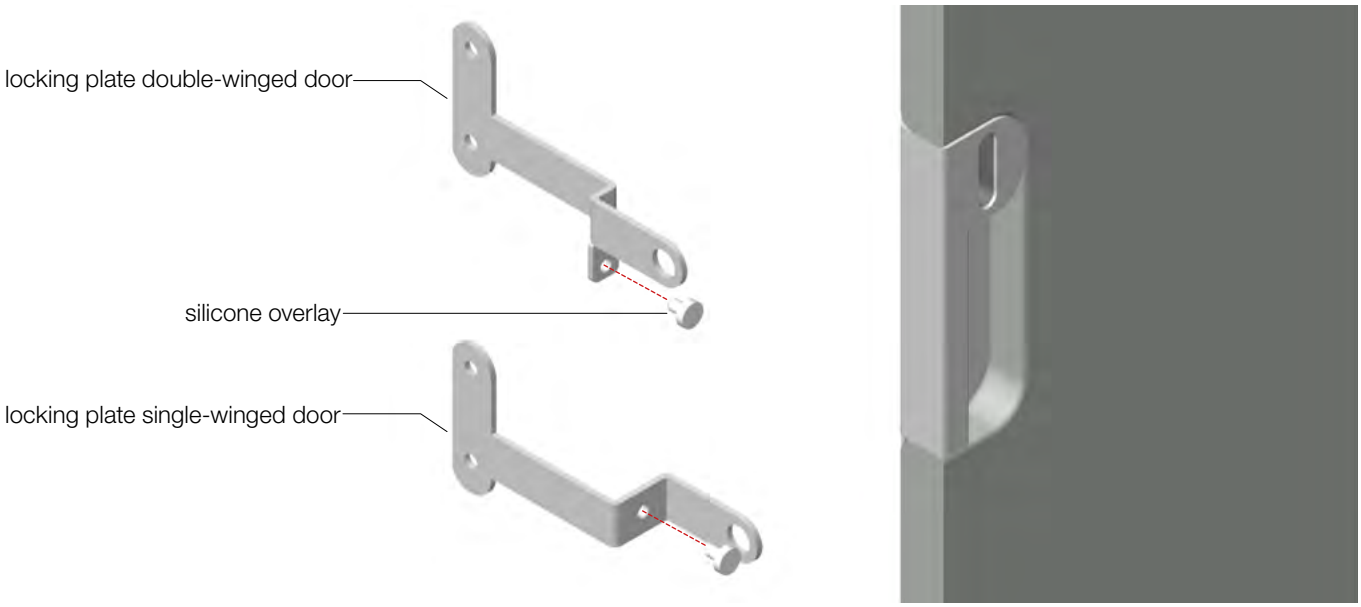
- **T20 Torx screwdriver**
- **Rubber hammer**
- **Spreader muff, pan head screws M4x8**

2.11 Locker

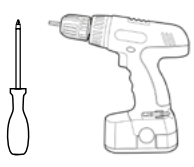
2.11.10.2 Padlock

! Sample assembly schematic: right door





For the assembly of the padlock you need the following tools:
· T10 Torx screwdriver



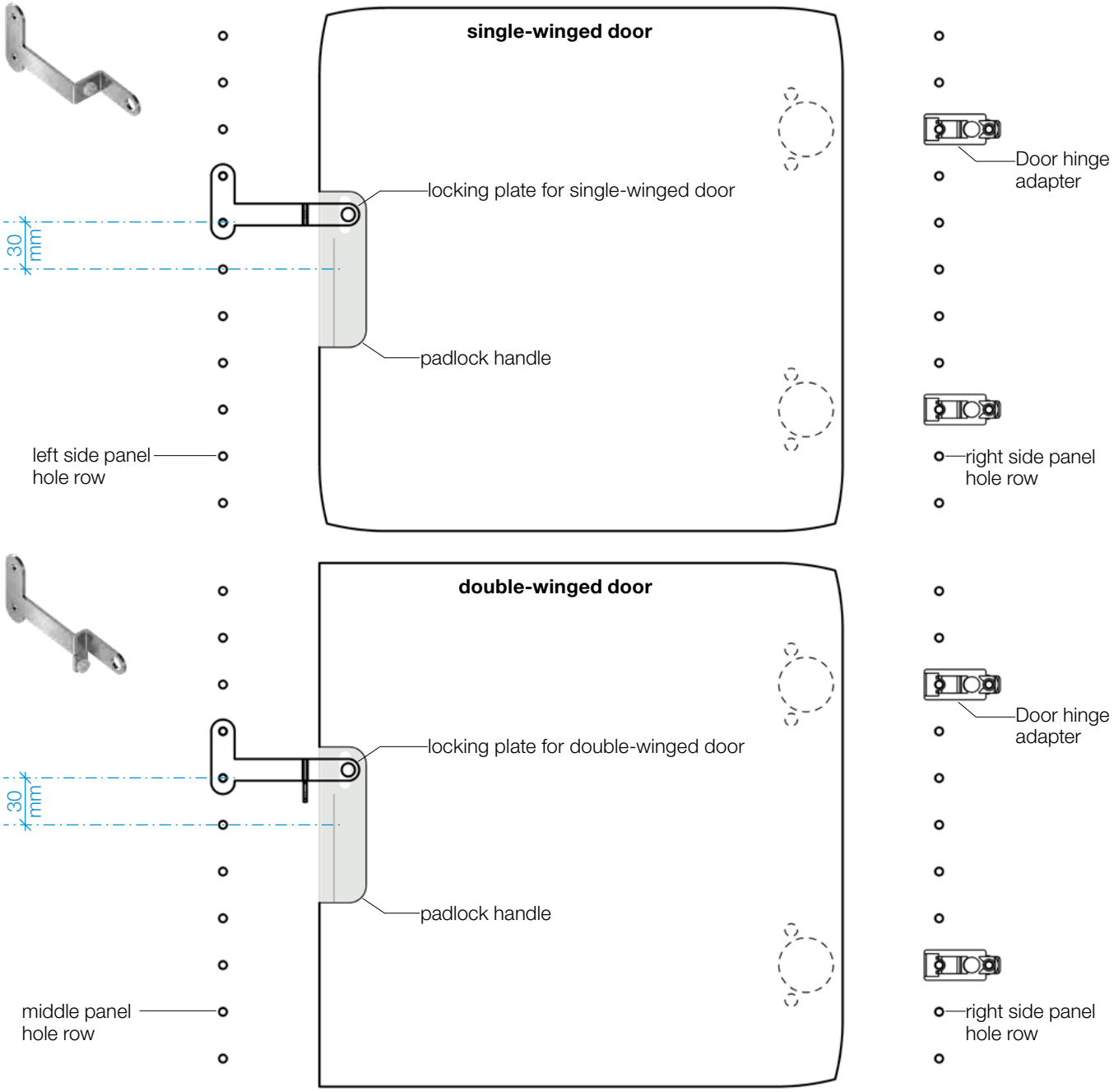
2.11 Locker

2.11.10.2 Locking plate for padlock

! Position the locking plate 30mm (one holes) above the centre of the lock handle.

❶ Insert the two spreader muffs into the holes of the side panel/middle panel and carefully tap them into place with a rubber hammer.

❷ Fasten the locking plate with two M4x8 pan head screws.



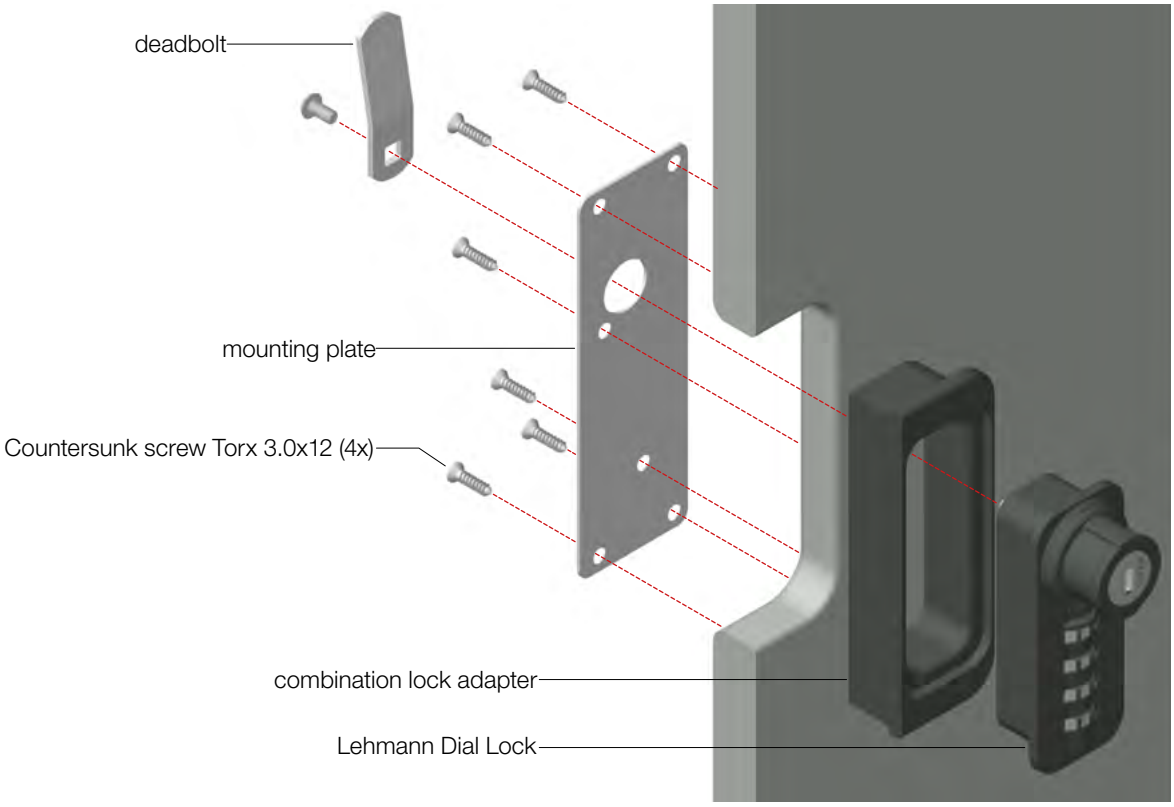
For the assembly of the locking plate you need the following tools:

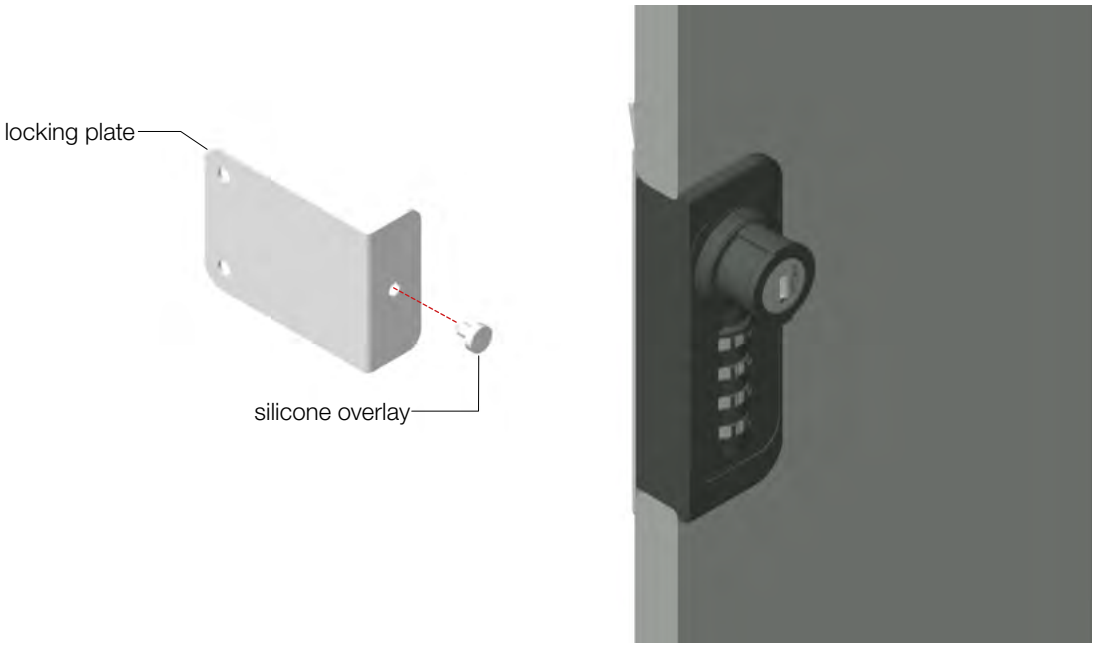
- **T20 Torx screwdriver**
- **Rubber hammer**
- **Spreader muff, pan head screws M4x8**

2.11 Locker

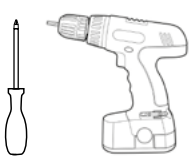
2.11.10.3 Combination lock

! Sample assembly schematic: right door





For the assembly of the combination lock you need the following tools:
· T10 Torx screwdriver



2.11 Locker

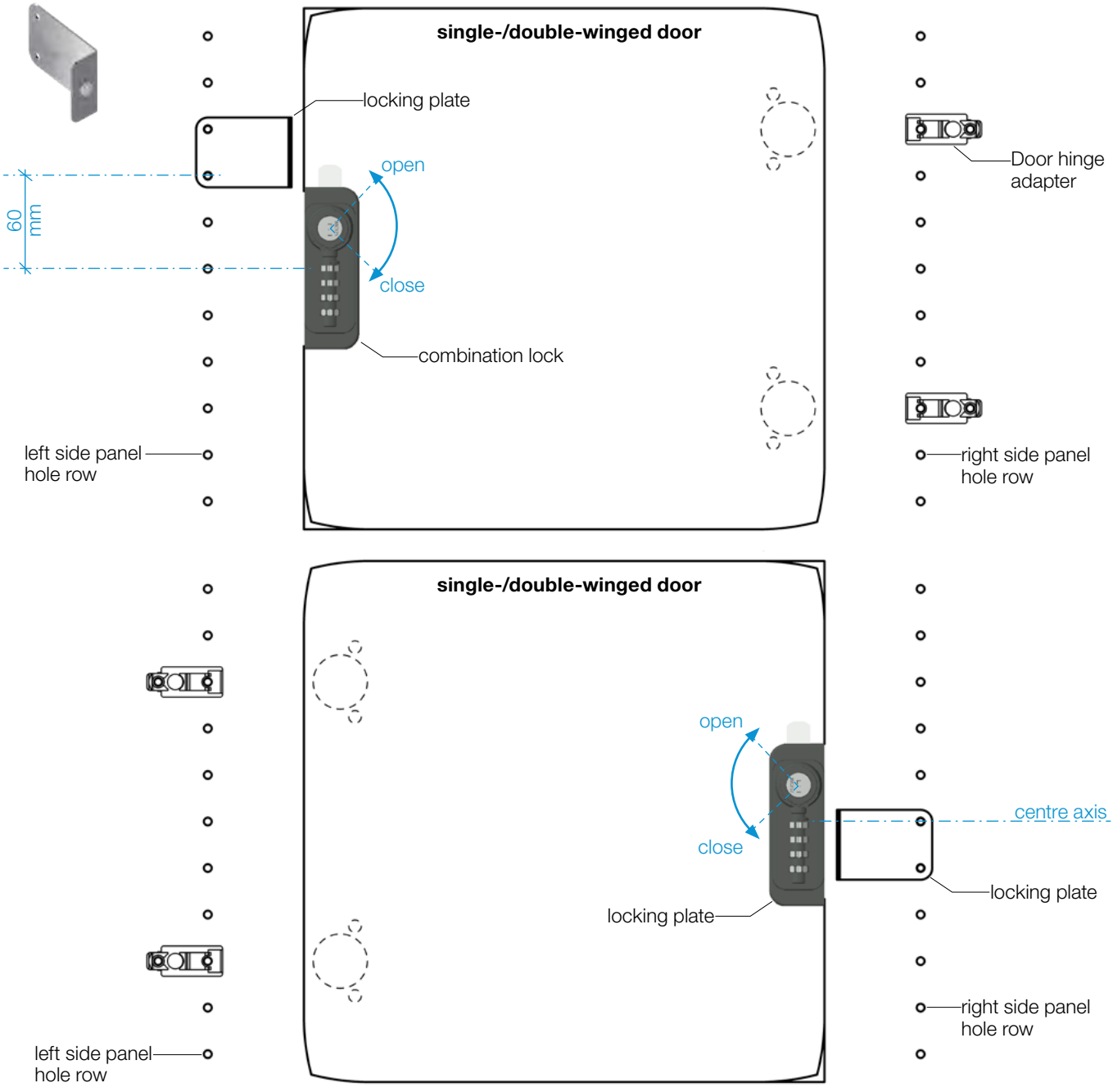
2.11.10.3 Locking plate for combination lock

! The right locking plate is positioned 60mm (two holes) above the centre axis of the lock handle.

! The left locking plate is positioned with the upper hole on the centre axis of the lock handle.

❶ Insert the two spreader muffs into the holes of the side panel/middle panel and carefully tap them into place with a rubber hammer.

❷ Fasten the locking plate with two M4x8 pan head screws.



For the assembly of the locking plate you need the following tools:

- **T20 Torx screwdriver**
- **Rubber hammer**
- **Spreader muff, pan head screws M4x8**

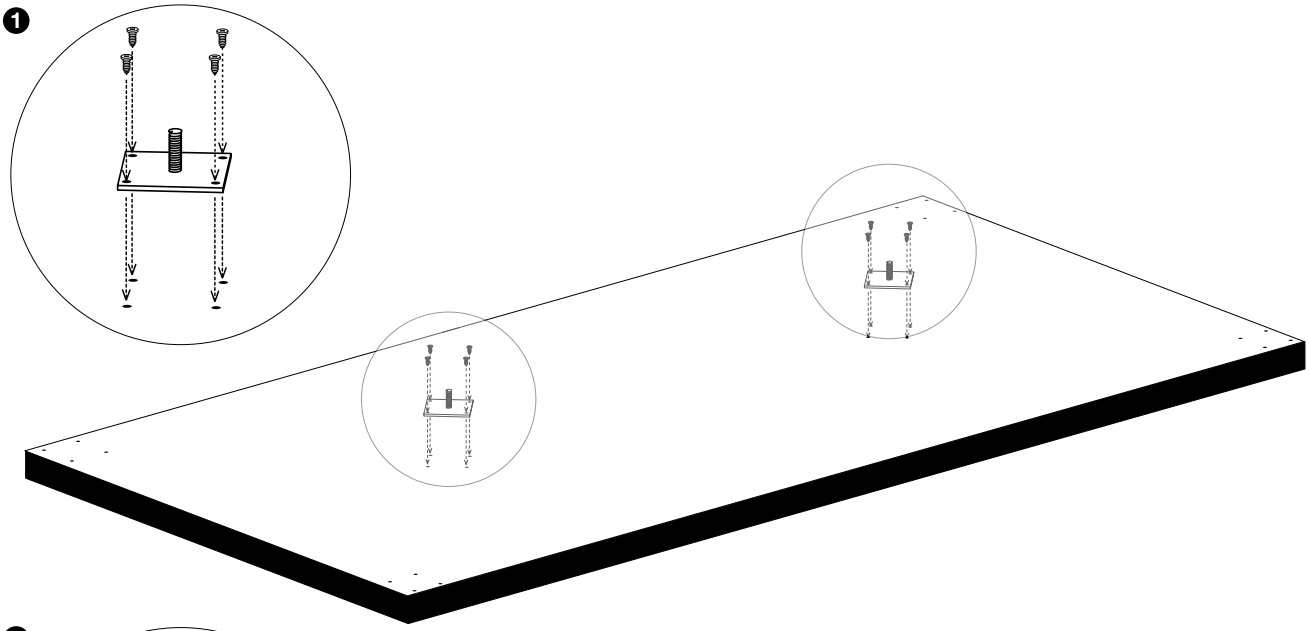
3.1 RackPod

3.1.1 RackPod assembly (the table is not fully pre-assembled on delivery)

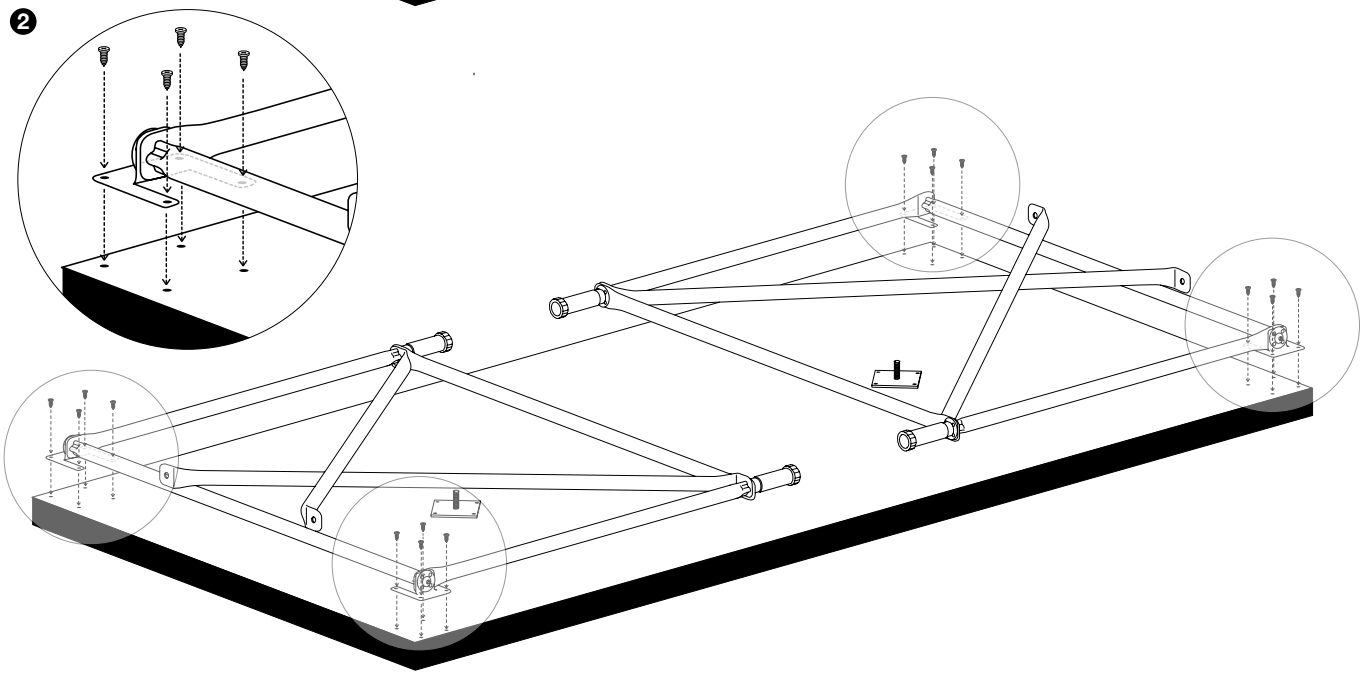
To prevent damage to the table surface, lay the tabletop down on a soft and clean surface, such as its packaging material.

The position for the mounting plates is determined by the holes in the table top. Mount them on the table top with the honeycomb screws supplied (see illustrations). Then proceed with point 13.1.

❶

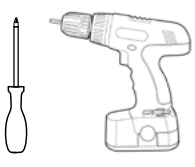


❷



To assemble the RackPod you will need the following tools:

- **An electric screwdriver fitted with an appropriate hex key/Phillips head bit insert or Phillips-head screwdriver**

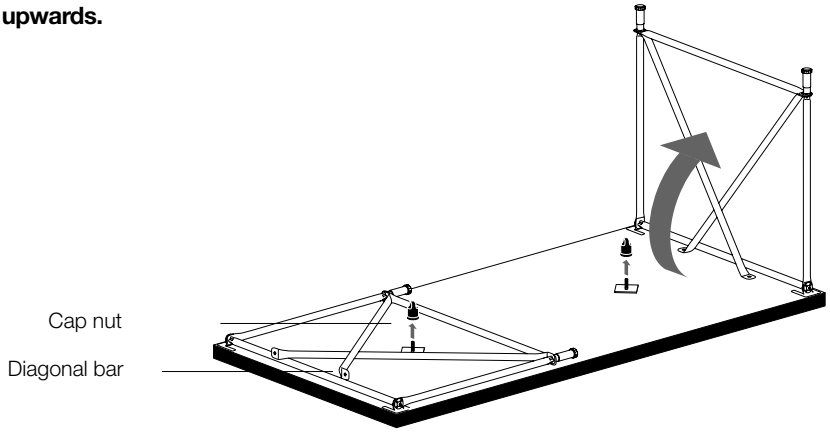


3.1 RackPod

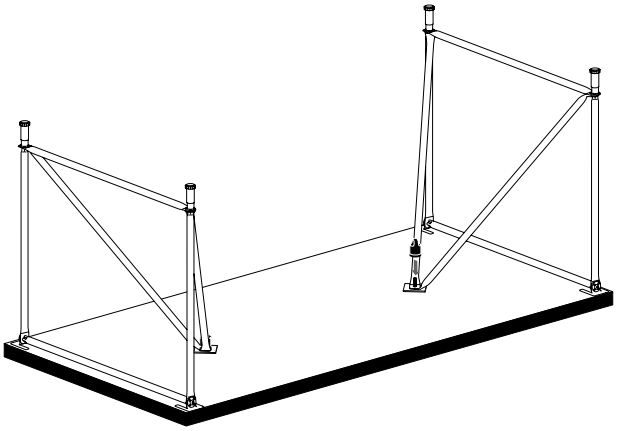
3.1.2 Assembly S, L, H

! To prevent damage to the table surface, lie the table down on a non-abrasive surface, such as its packaging material

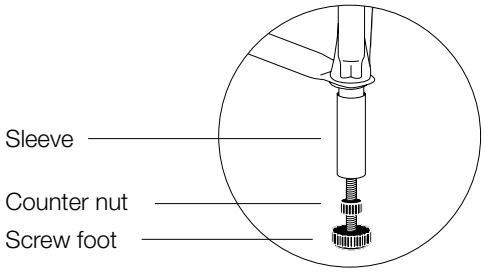
1 Loosen the cap nuts. Fold the frame upwards.

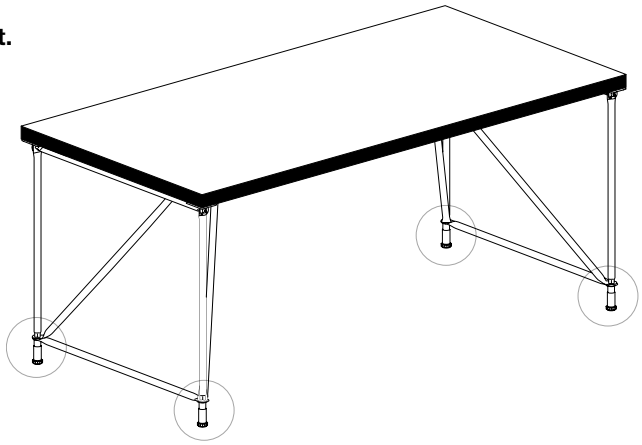


2 Turn the diagonal bars inwards, insert bolts into them and tighten up the joints with cap nuts.

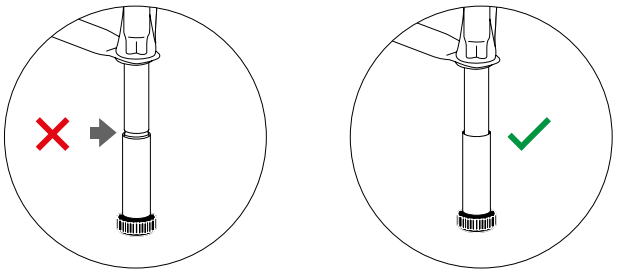


3 Raise up the sleeve, turn the screw foot until it is at the desired height and screw the counter nut down tight.





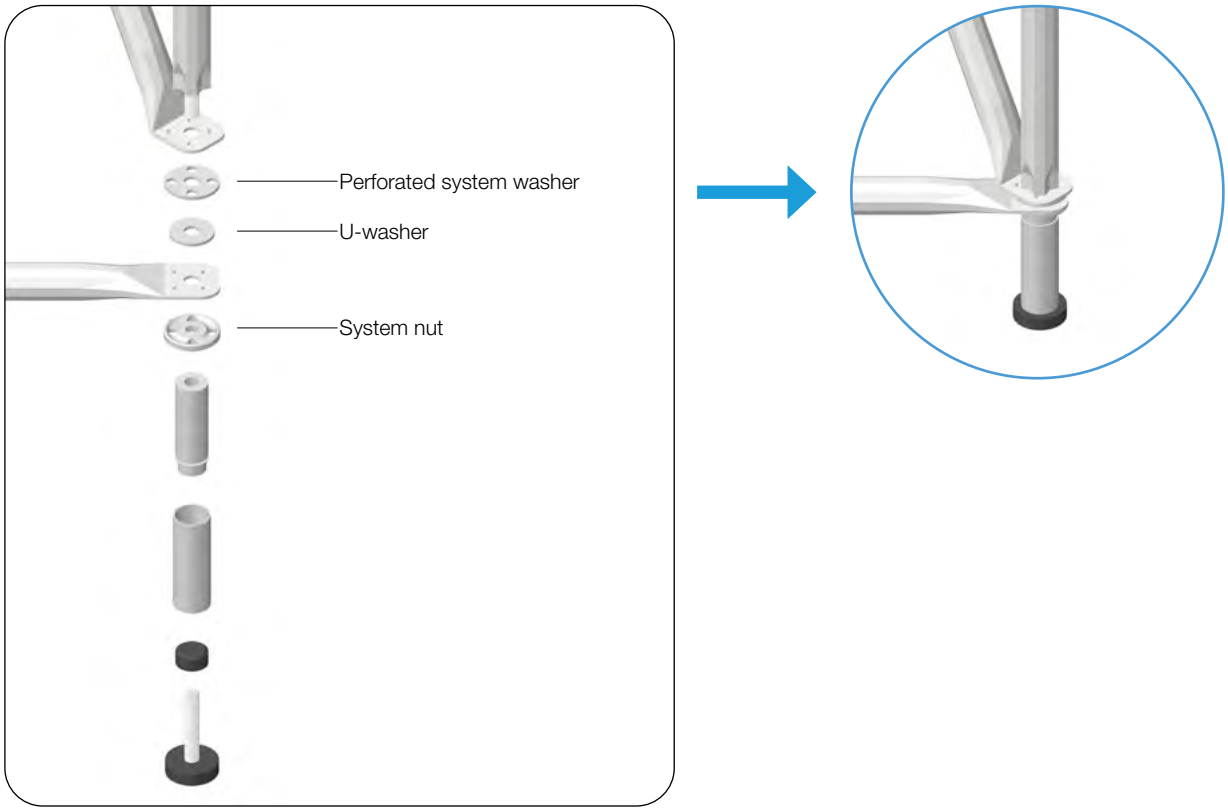
! To ensure stability, be careful to ensure that the foot sleeves are covering the marking shown in this illustration.



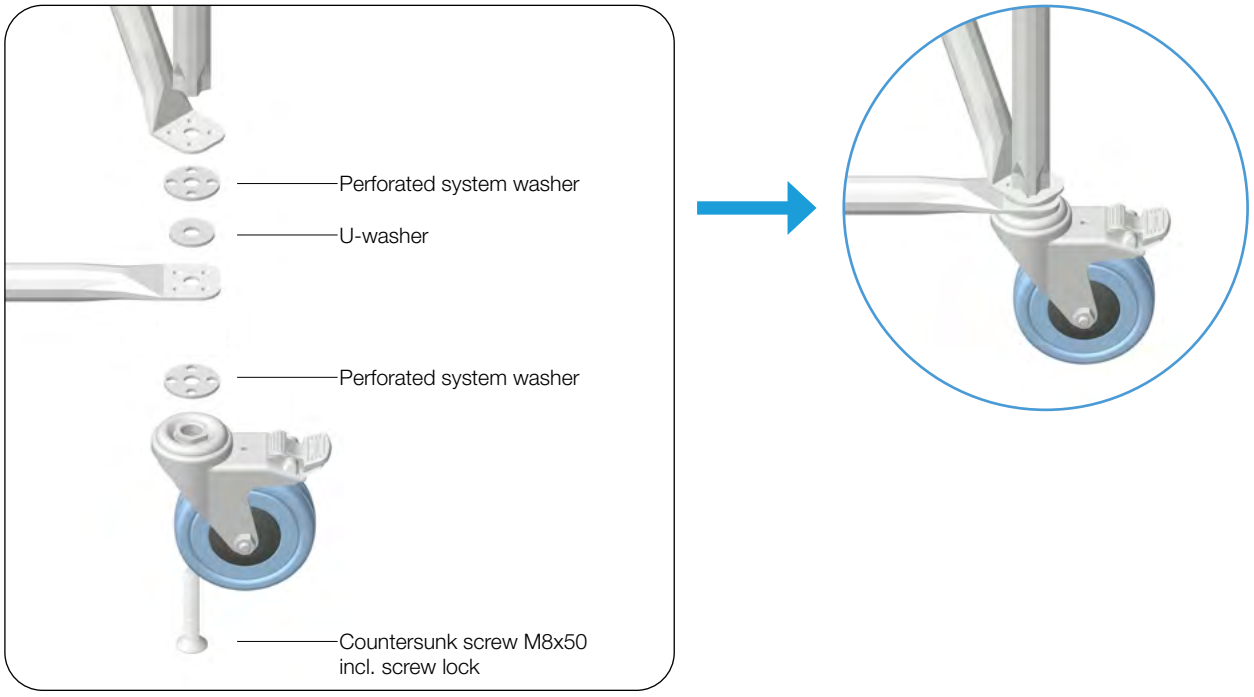
3.1 RackPod

3.1.3 Mounting leveling foot and casters

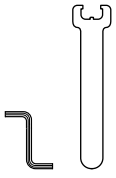
Leveling foot



Casters



The following tools are required for mounting the feet and castors:
· System nut wrench
· 5 mm Allen key



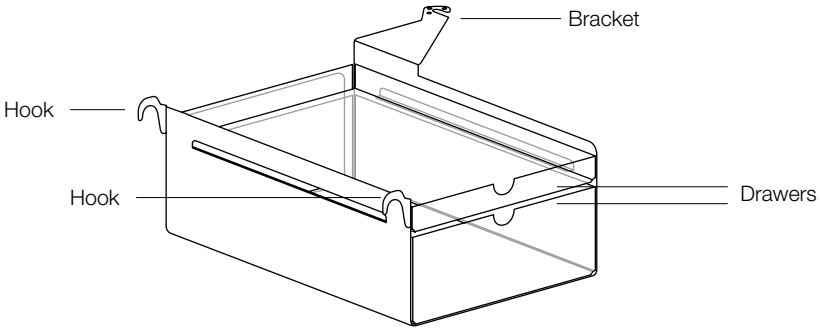
3.1 RackPod

3.1.4 Storage space

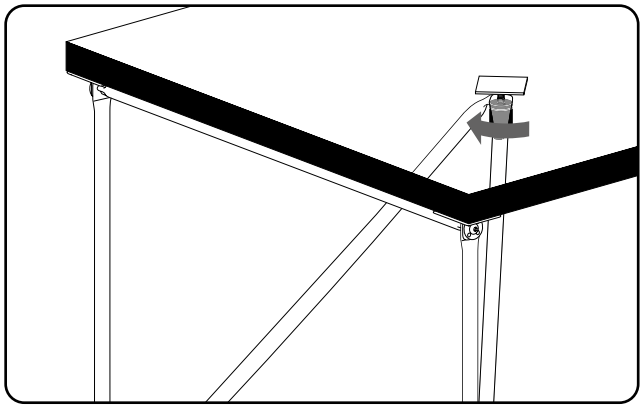
! Take all drawers out before mounting the storage compartment

! Before mounting, you will need to disassemble any already assembled Multibox

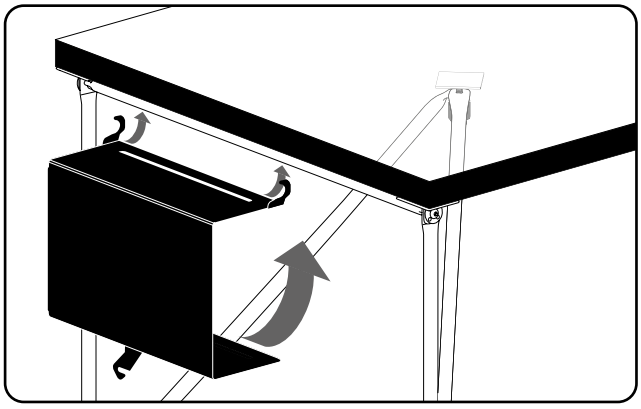
! Before mounting, you will need to disassemble any already assembled cable trough



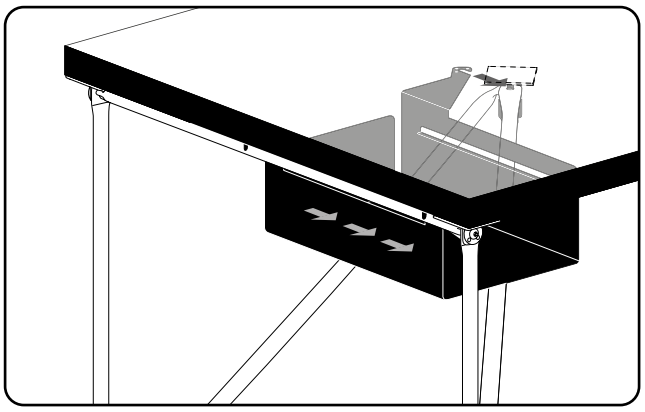
❶ Loosen the cap nut a little (do not release it completely!) and push the diagonal bars downward.



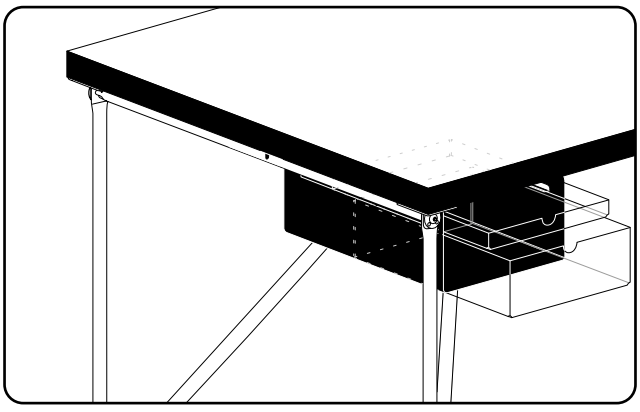
❷ Place the hanger hooks on the lateral tubing (the bracket should be positioned behind the diagonal bar) and rotate the storage unit upward.



❸ Slide the storage compartment towards the front of the desk and tighten up the cap nut.



❹ Insert the drawers.



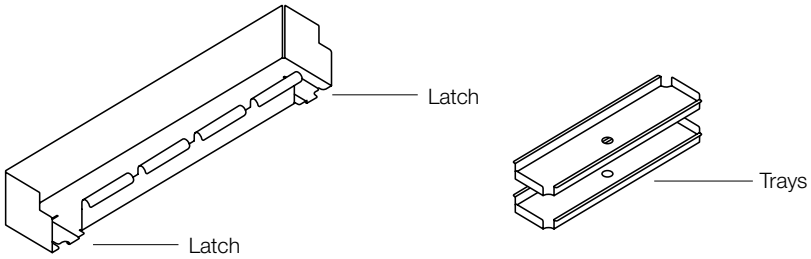
3.1 RackPod

3.1.5 Multibox

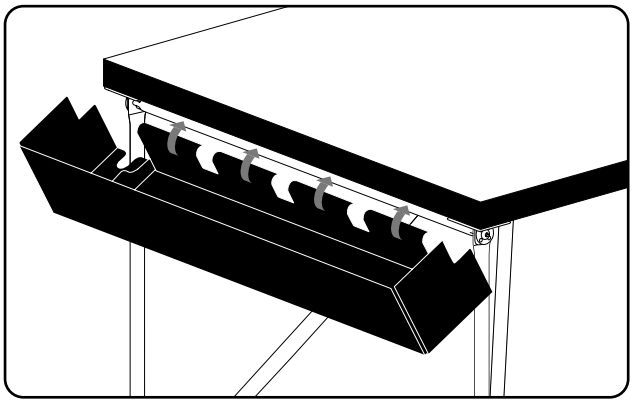
! For RackPod S and H

! Before mounting, remove the storage trays from the Multibox

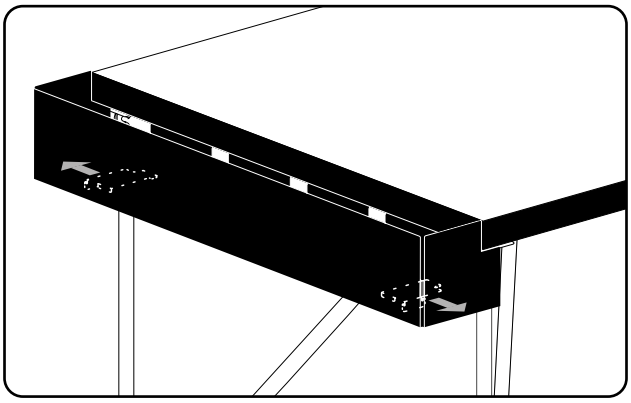
! Before mounting, you will need to disassemble any already assembled cable trough



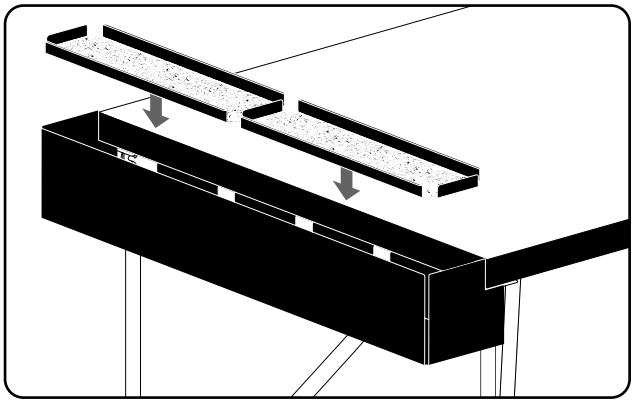
❶ Hang your Multibox in place.



❷ Secure your Multibox. Push the catches at the bottom of the Multibox in an outward direction.



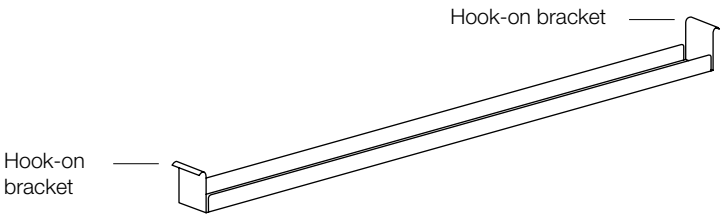
❸ Insert the storage trays.



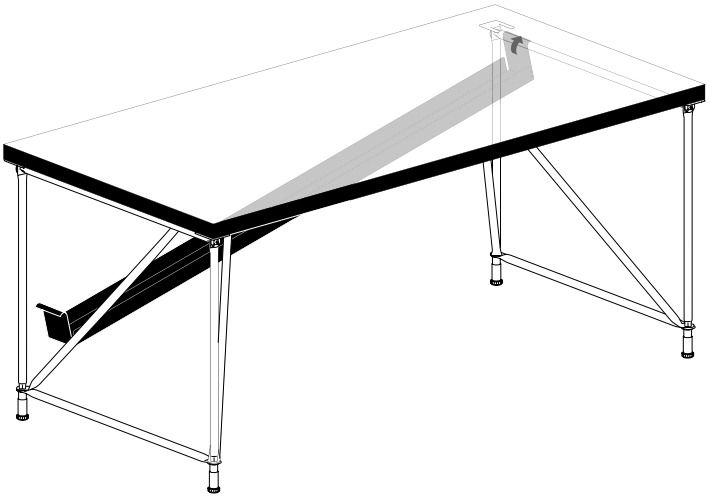
3.1 RackPod

3.1.6 Cable trough

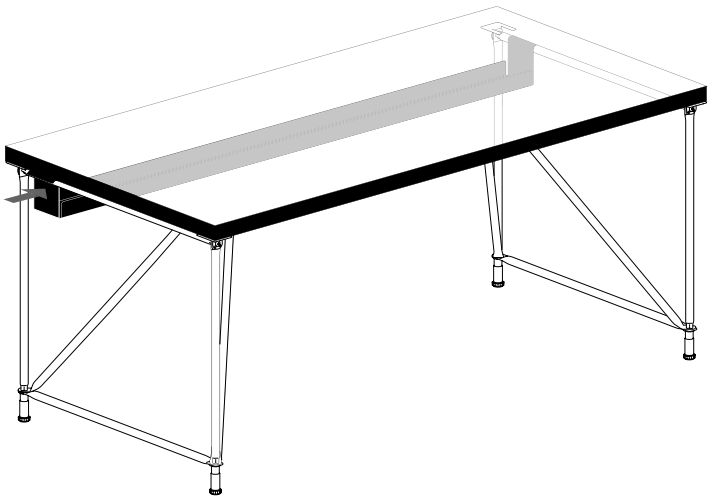
! Where the component includes a combination of cable trough and another accessory, you will need to assemble the cable trough last



❶ Hang the hook-on bracket into the frame.



❷ Raise up the other side and hang it into the frame. When doing so, push the side of the trough slightly inwards.

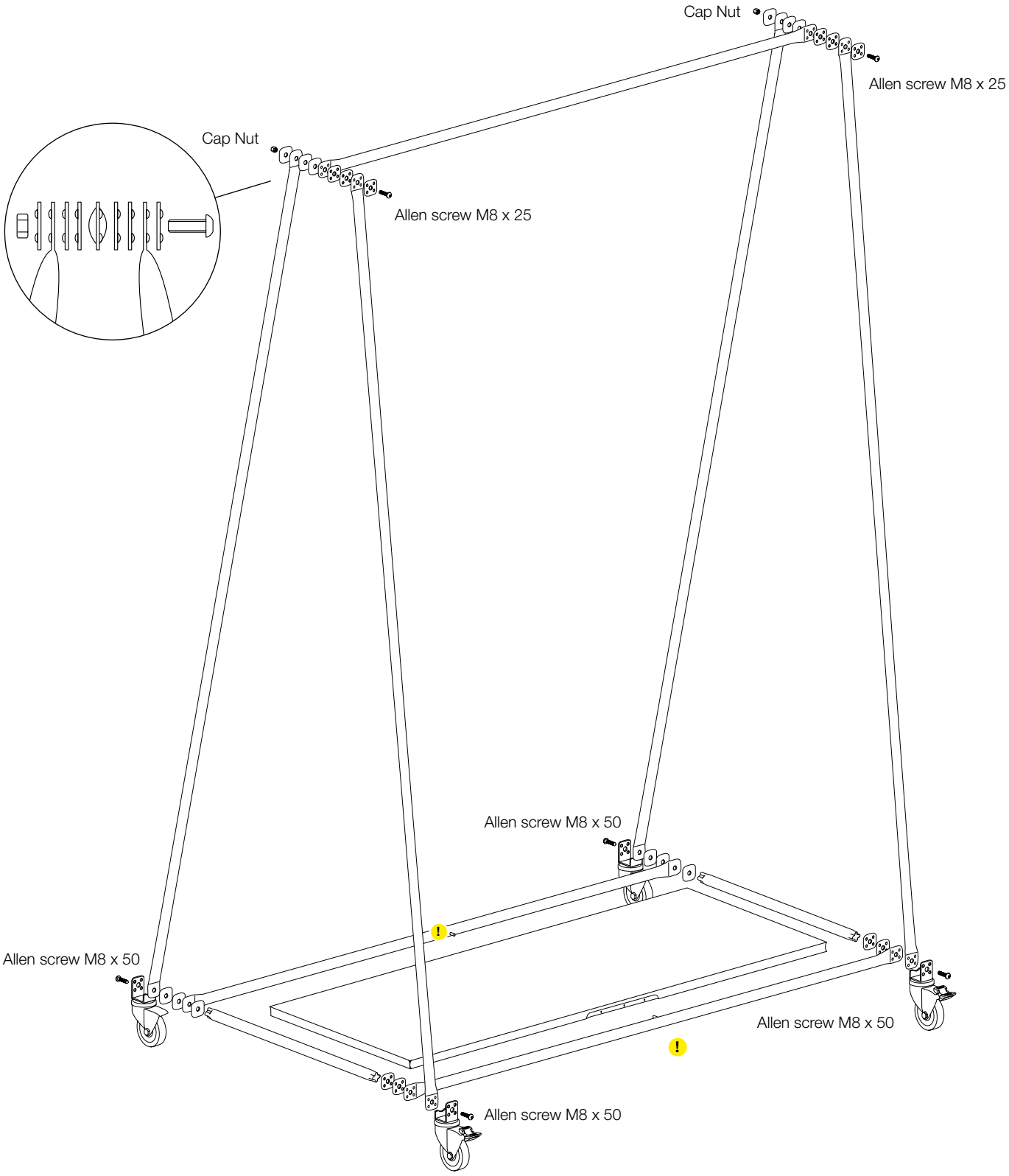


3.2 CoatRack

3.2 CoatRack assembly

· 5-mm hex (Allen) key
· 13-mm spanner

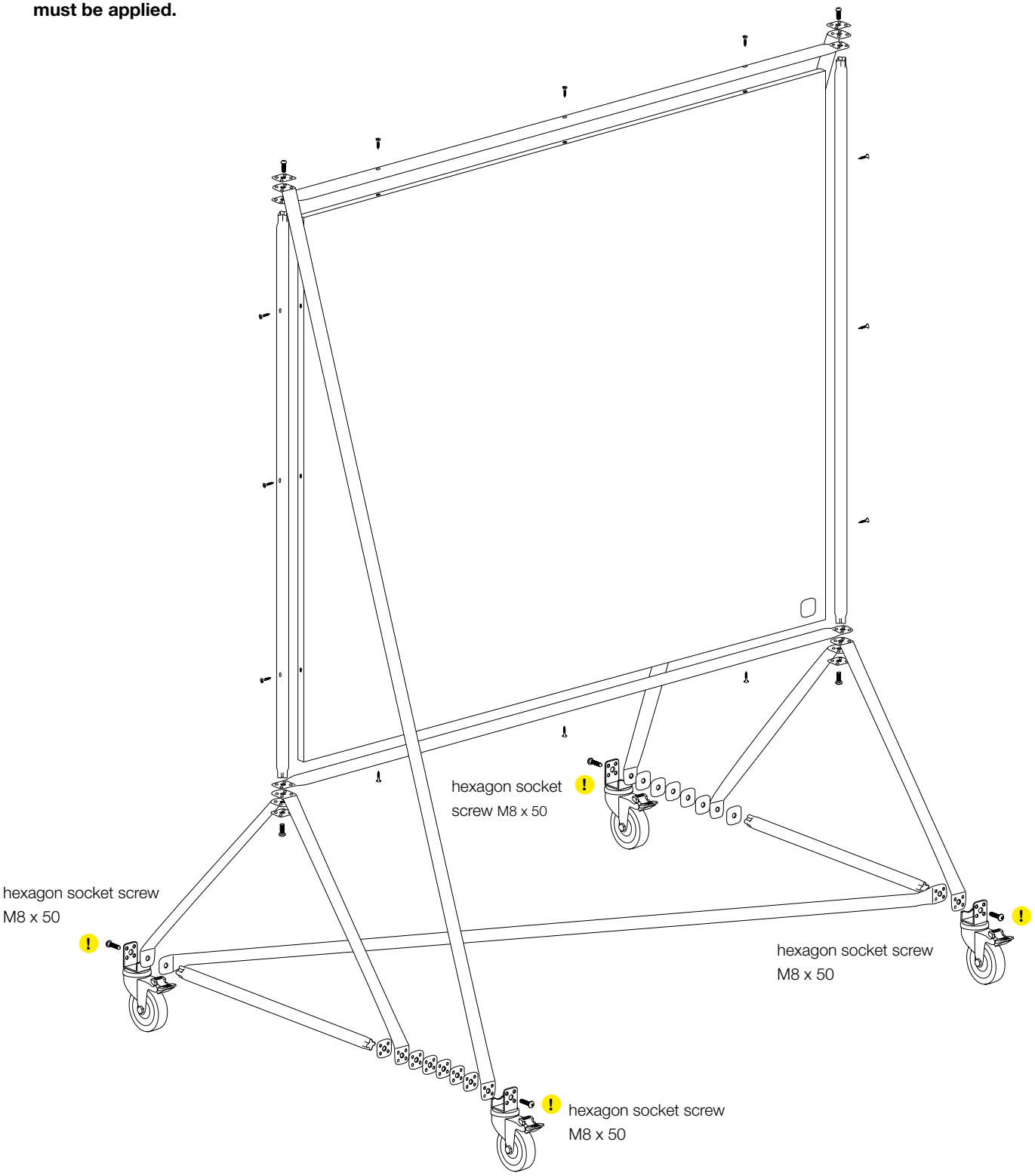
From width 810 upwards: Remove the transparent plastic sleeves from the pins which are inserted into the base panel.



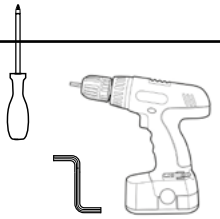
3.3 Design Thinking Line®

3.3.1.1 Whiteboard M structure

! The screws for fixing the casters are coated with a screw lock or a screw lock (e.g. Loctite high-strength) must be applied.



To assemble the whiteboard you will need the following tools:
· 5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm
· Phillips head screwdriver

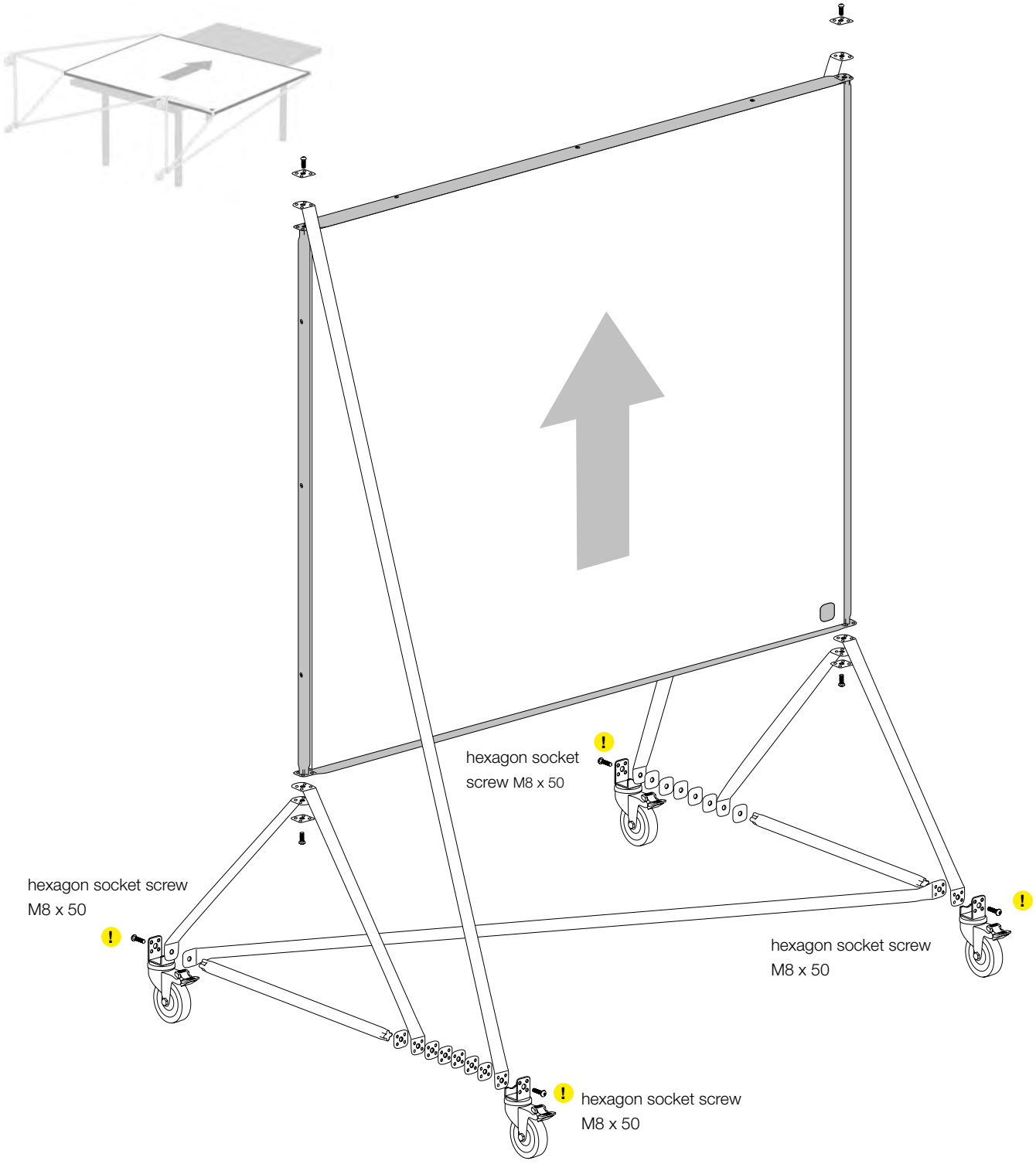


3.3 Design Thinking Line®

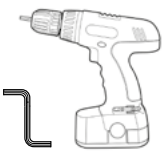
3.3.1.2 Whiteboard partially assembled

To assemble, lay the pre-assembled board (as illustrated) with label aligned to the edge, on a sturdy table, for example. The edges with the screw-in connections must be accessible.

The screws for fixing the casters are coated with a screw lock or a screw lock (e.g. Loctite high-strength) must be applied.



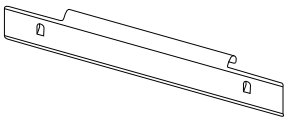
To assemble the whiteboard you will need the following tools:
· 5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit



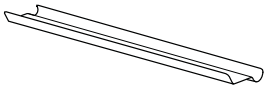
3.3 Design Thinking Line®

3.3.1.3 Flipchart bracket and pen tray

Flipchart bracket



Pen tray

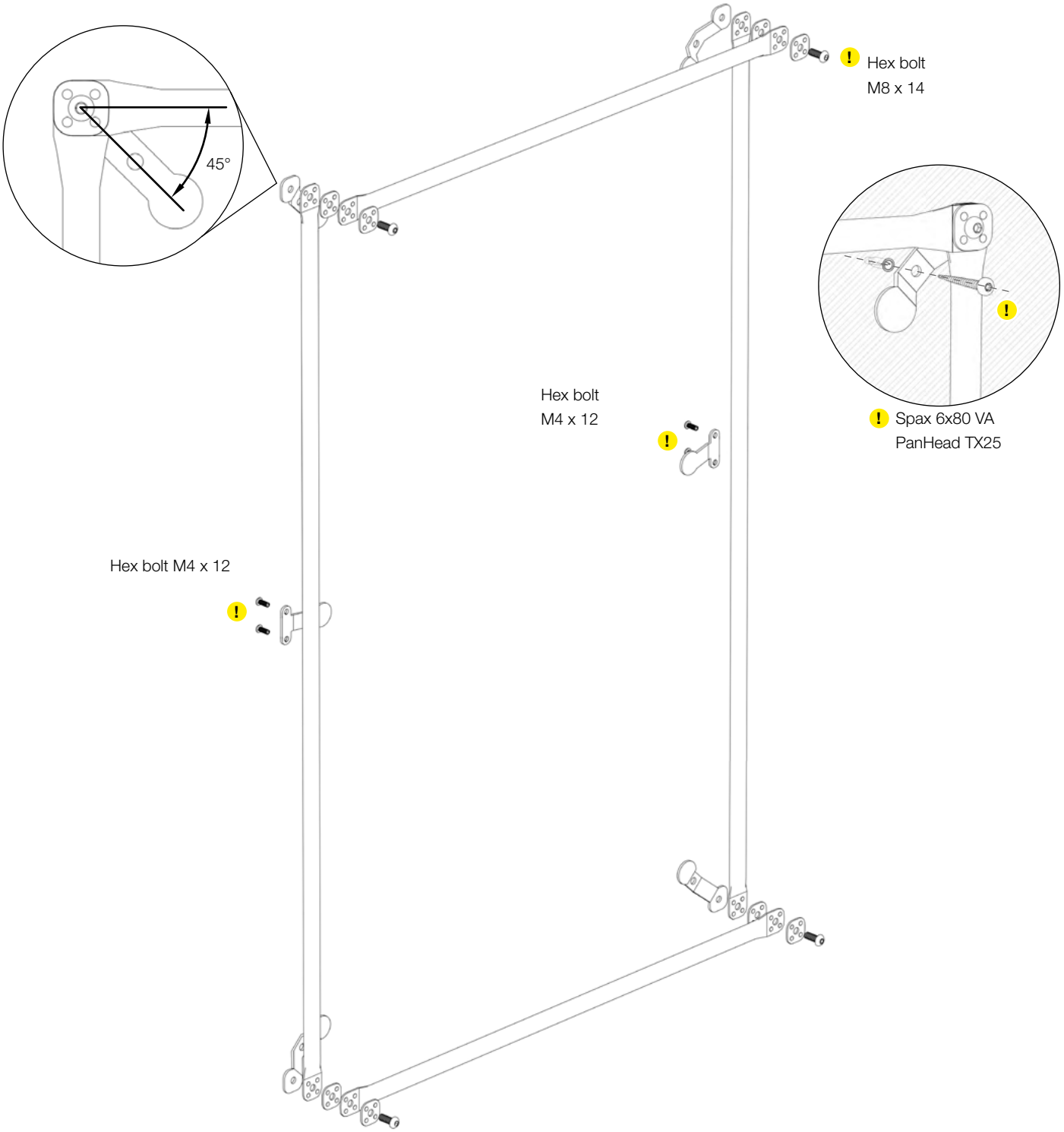


3.3 Design Thinking Line®

3.3.2.1 WallRail

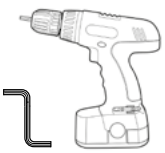
For wall mounting, the already assembled frame can be used as a stencil to mark the correct bore hole positions. FU 10x60 and Spax 6x80 VA Panhead TX25 wall plugs are included with the product.

We recommend hanging the WallRail corresponding to the height of the whiteboards (top edge at 191 cm).



Ensure that the screws are the correct length in each case.

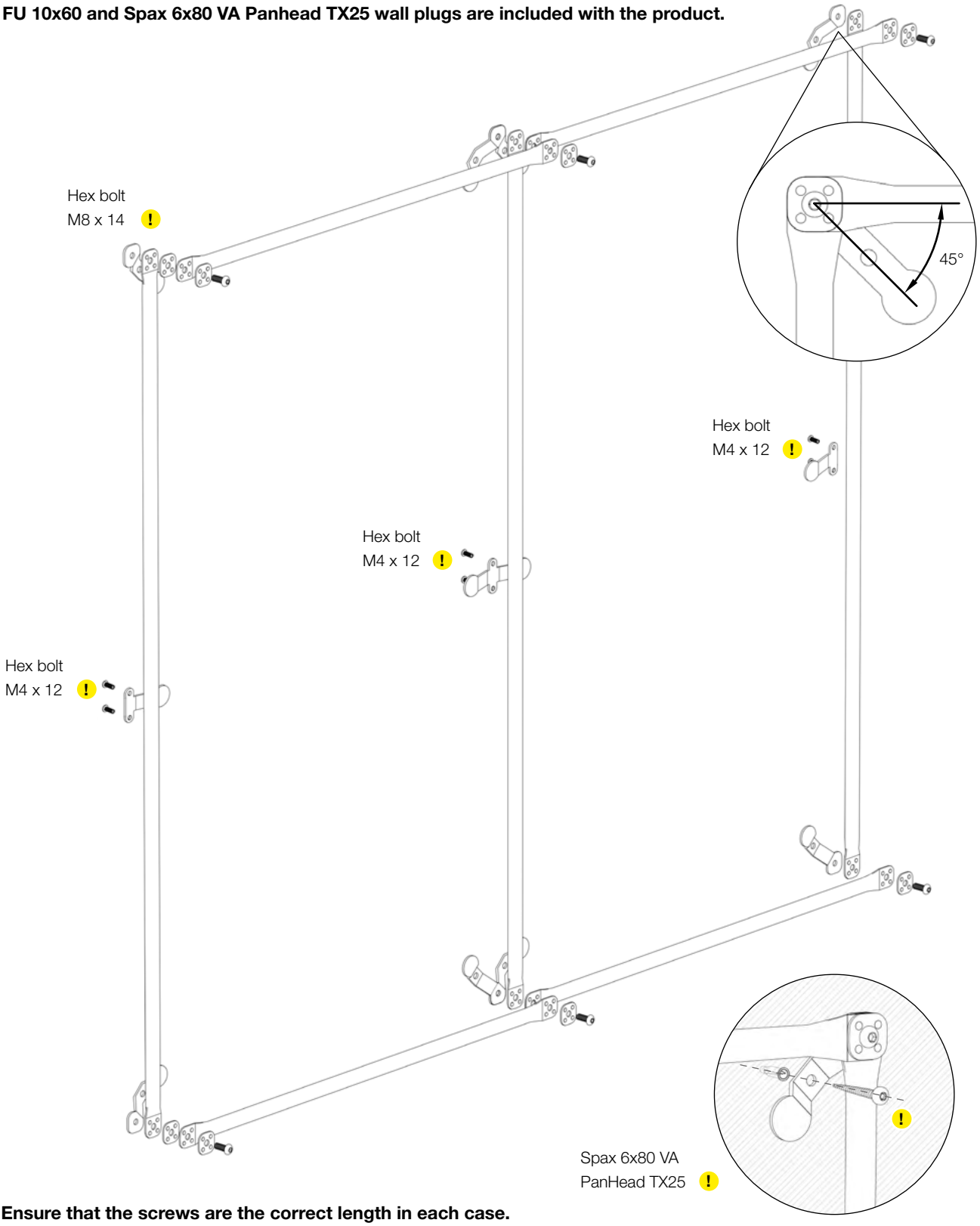
To assemble the WallRail you will need the following tools:
· 5 mm or 4 mm hex (Allen) or cordless electric screwdriver with the appropriate screwdriver bit



3.3 Design Thinking Line®

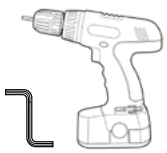
3.3.2.2 WallRail PLUS

For wall mounting, the already assembled frame can be used as a stencil to mark the correct bore hole positions. FU 10x60 and Spax 6x80 VA Panhead TX25 wall plugs are included with the product.



! **Ensure that the screws are the correct length in each case.**

To assemble the WallRail you will need the following tools:
· 5 mm or 4 mm hex (Allen) or cordless electric screwdriver with the appropriate screwdriver bit



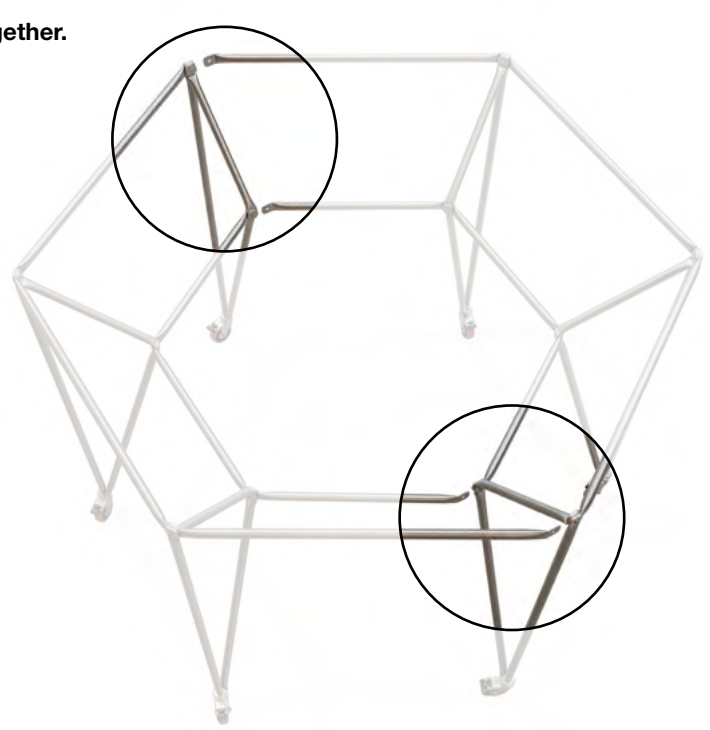
3.3 Design Thinking Line®

3.3.3.1 DT-Line Table T6 assembling two halves of the frame

! Make sure that you have fitted one half of the frame with white system washers and the other with round system washers designed for tables

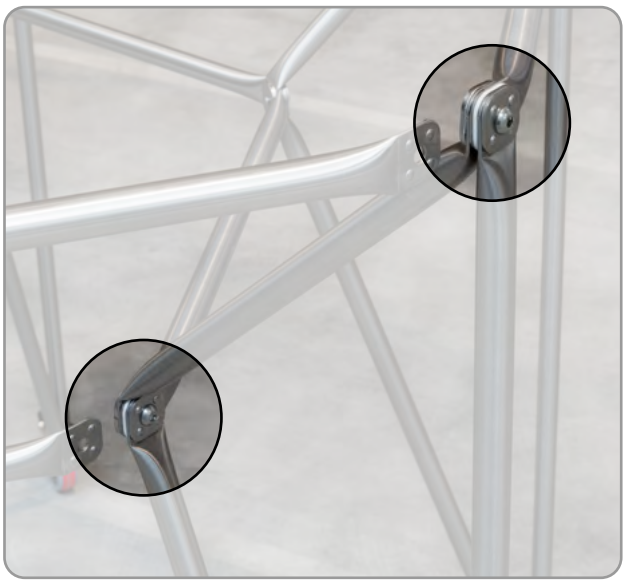
5-mm hex key/cordless electric screwdriver

❶ Place the two halves together.



❷ Open the topmost nodes first and place the standard bars in position together with each round system washer. Then do the same thing with the lower nodes.

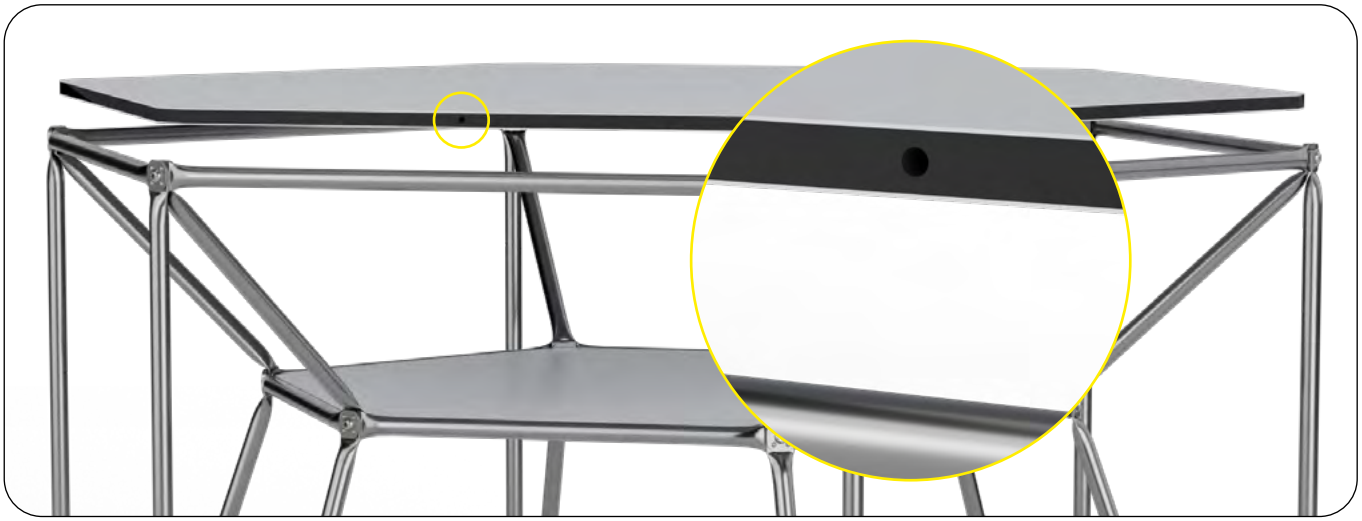
❸ Open the topmost nodes first and place the standard bars in position together with each white system washer. Then do the same thing with the lower nodes.

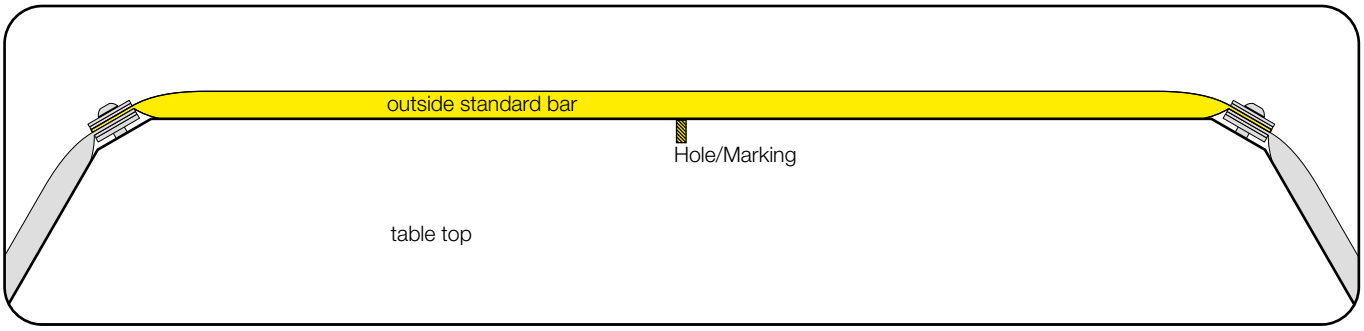


3.3 Design Thinking Line®

3.3.3.2 DT-Line Table T6 Insert table top

! When mounting the table top, make sure that the long sides of the top are parallel to the outside standard bars. For this purpose, a hole is drilled in the outer edge of the top for better alignment. So make sure that the hole is on an outside standard bar when inserting the top.



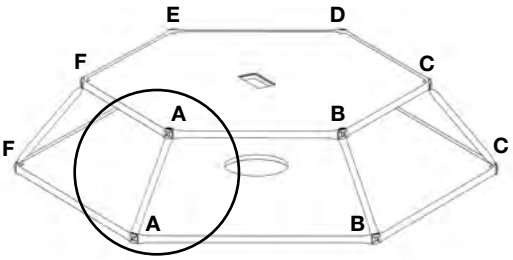


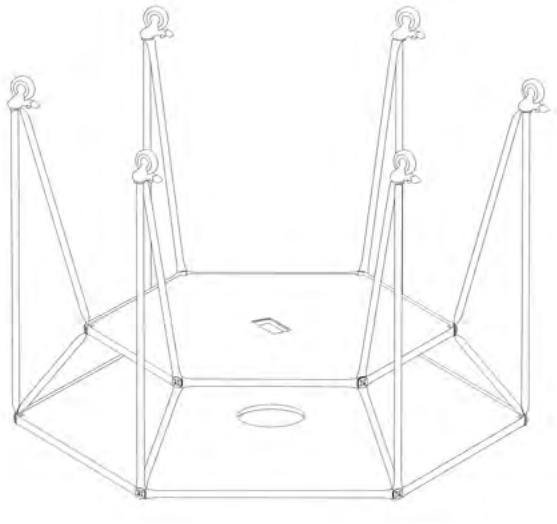
To assemble the Table T6 you will need the following tools:
· 5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit

3.3 Design Thinking Line®

3.3.3.3 DT-Line T6 table partially assembled

We recommend doing this assembly work on the best cushioned, cleanest and most level surface available.



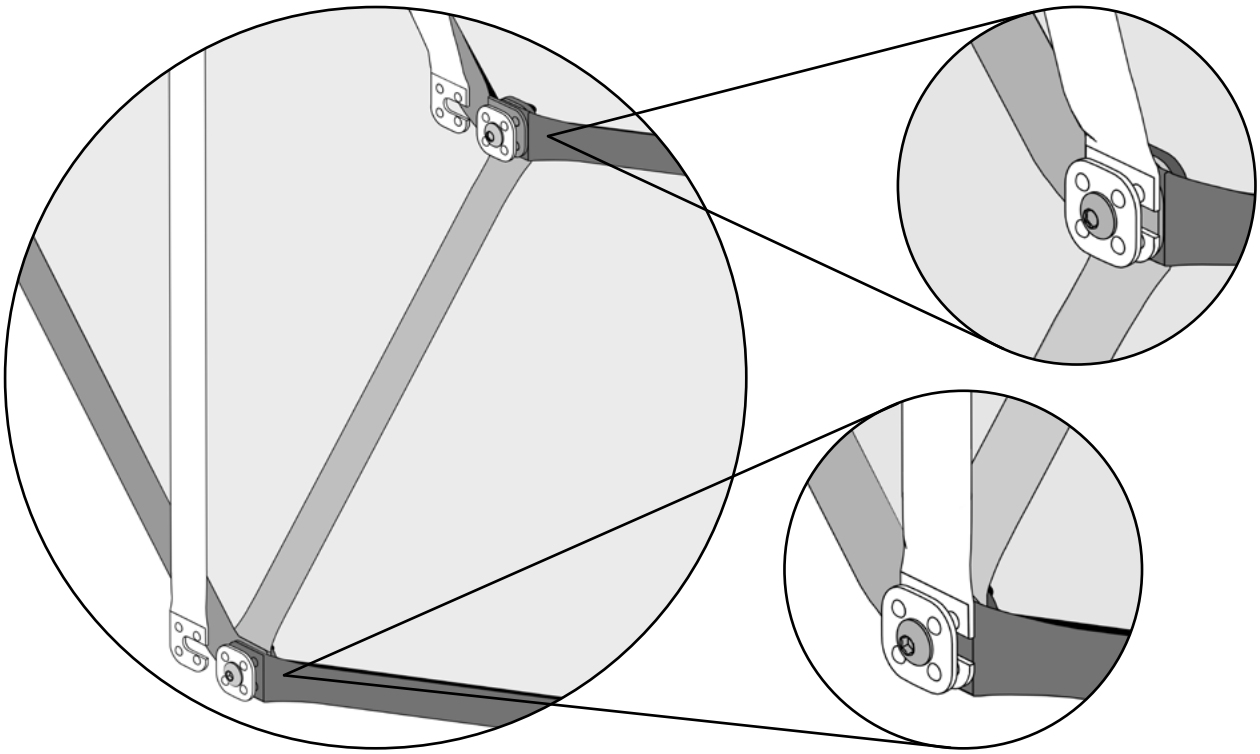


1 With another person helping, turn the body of the piece carefully so that it is lying on its larger side.

2 Turn the two screws for only one position at a time so that they are about 5 mm proud and insert a leg as illustrated. As you tighten the screw after inserting the leg, the nodes must grip correctly onto one another.

3 With the help of another person, turn the table back over.

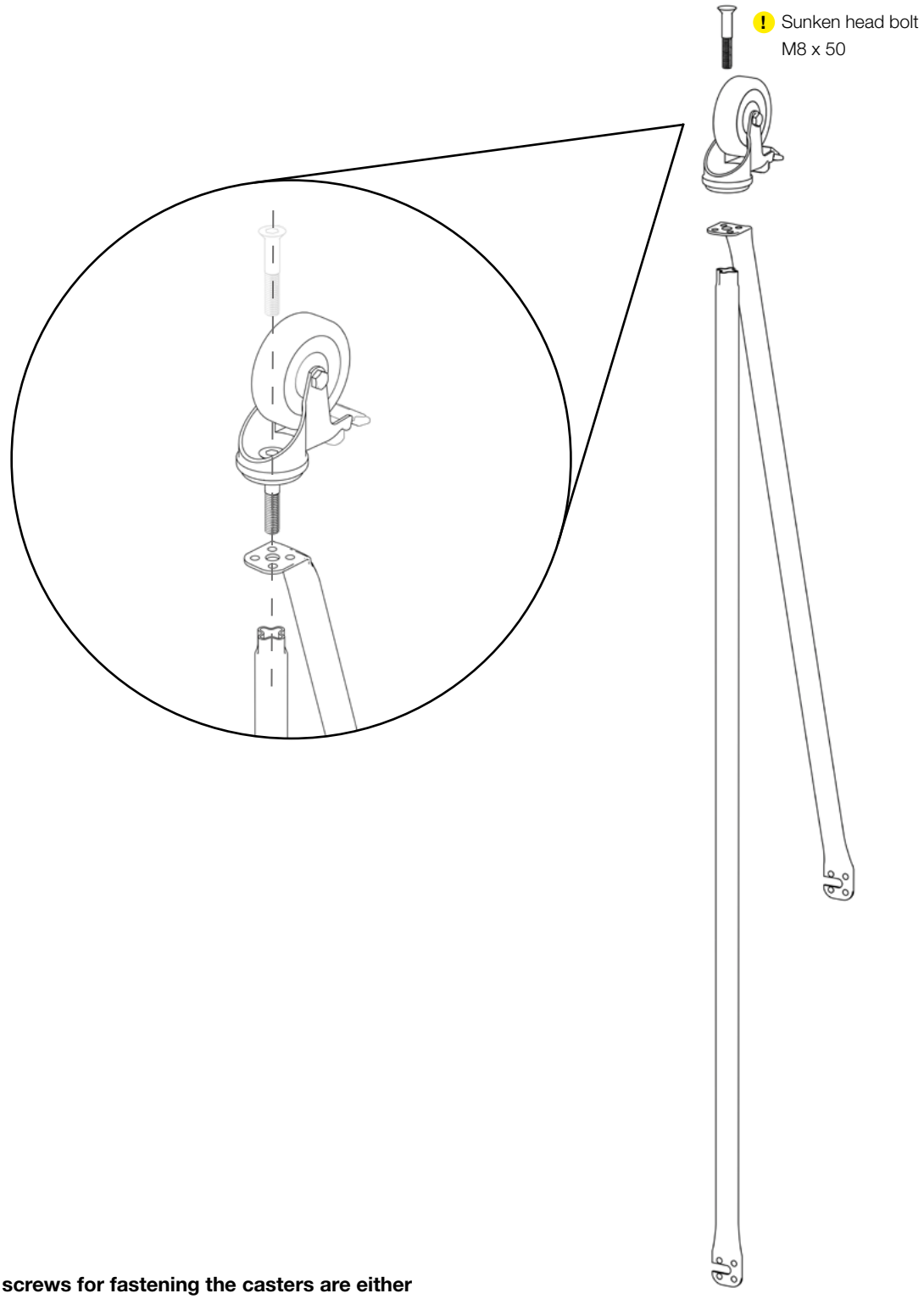
4 Finally, you can insert the stainless steel cable outlet as well as the cover for the hanging trough for technical devices.



To assemble the Table T6 you will need the following tools:
· 5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit

3.3 Design Thinking Line®

3.3.3.3 DT-Line T6 table partially assembled



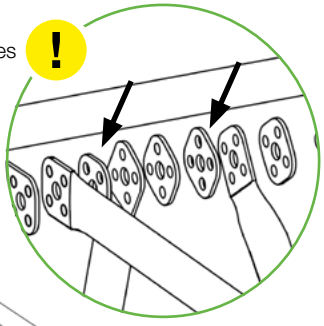
! **The screws for fastening the casters are either already covered with a thread locking adhesive or should be treated with such an adhesive (e.g. Loctite Threadlock).**

To assemble the Table T6 you will need the following tools:
· 5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit

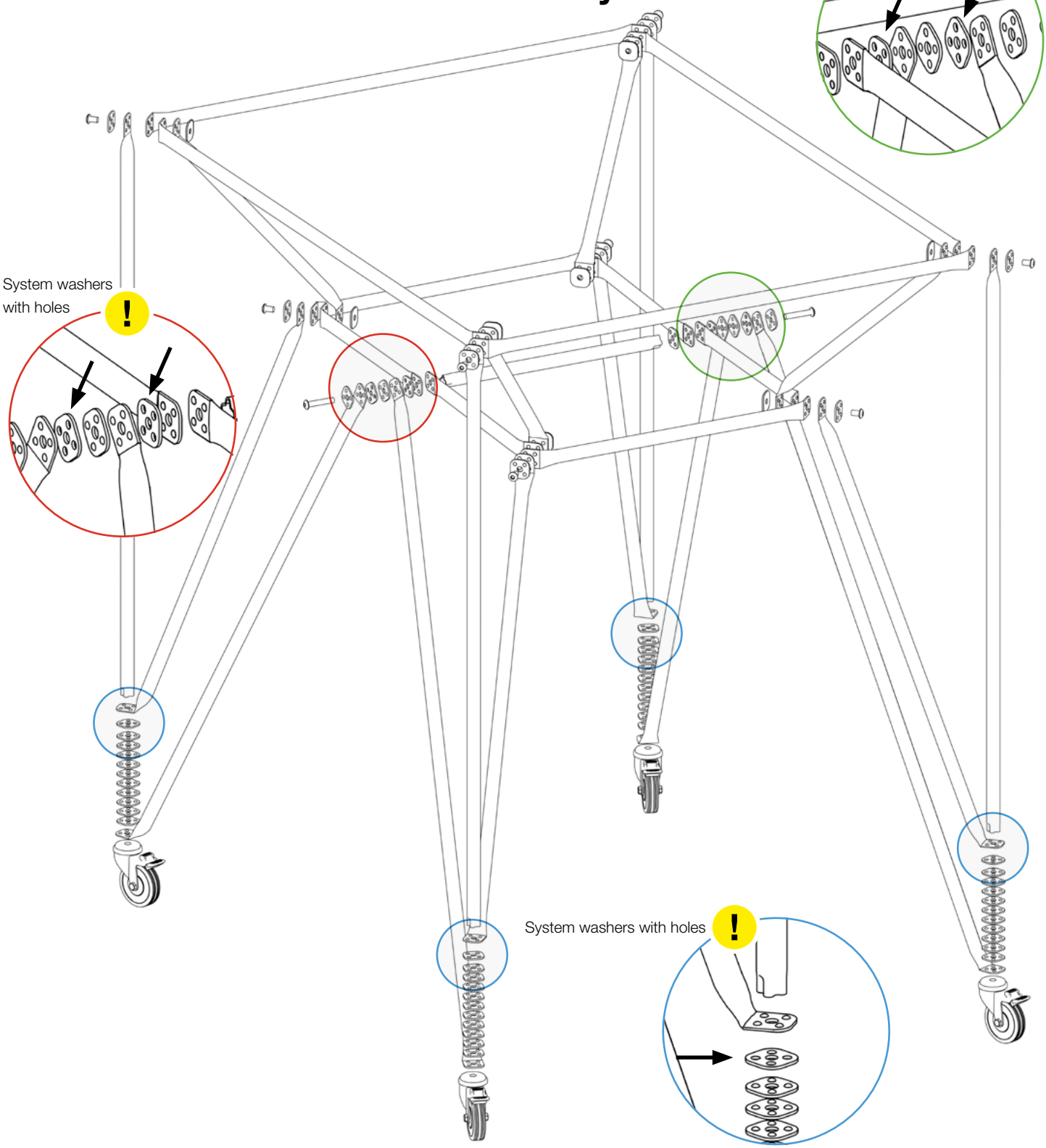
3.3 Design Thinking Line®

3.3.3.4 DT-Line Table T4 S Assembly

System washers with holes

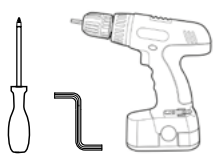


System washers with holes



System washers with holes

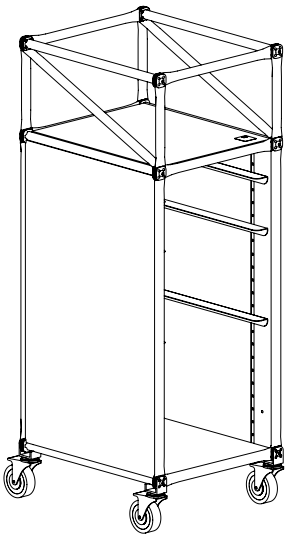
To assemble the T4 S Table you will need the following tools:
- **5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm**
- **Phillips head screwdriver**

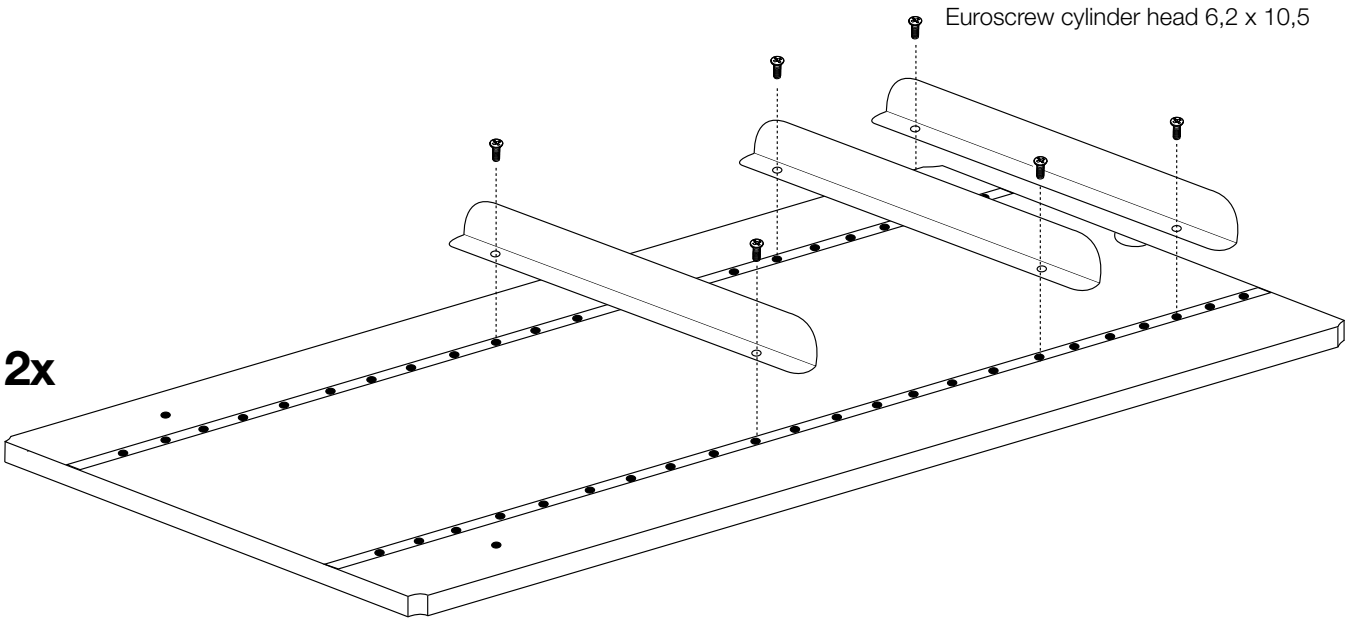


3.3 Design Thinking Line®

3.3.3.5 DT-Line ToolRack S Angle Plates

! Attach the angle plates to the side panels before inserting these into the ToolRack.

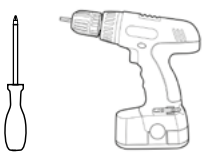




2x

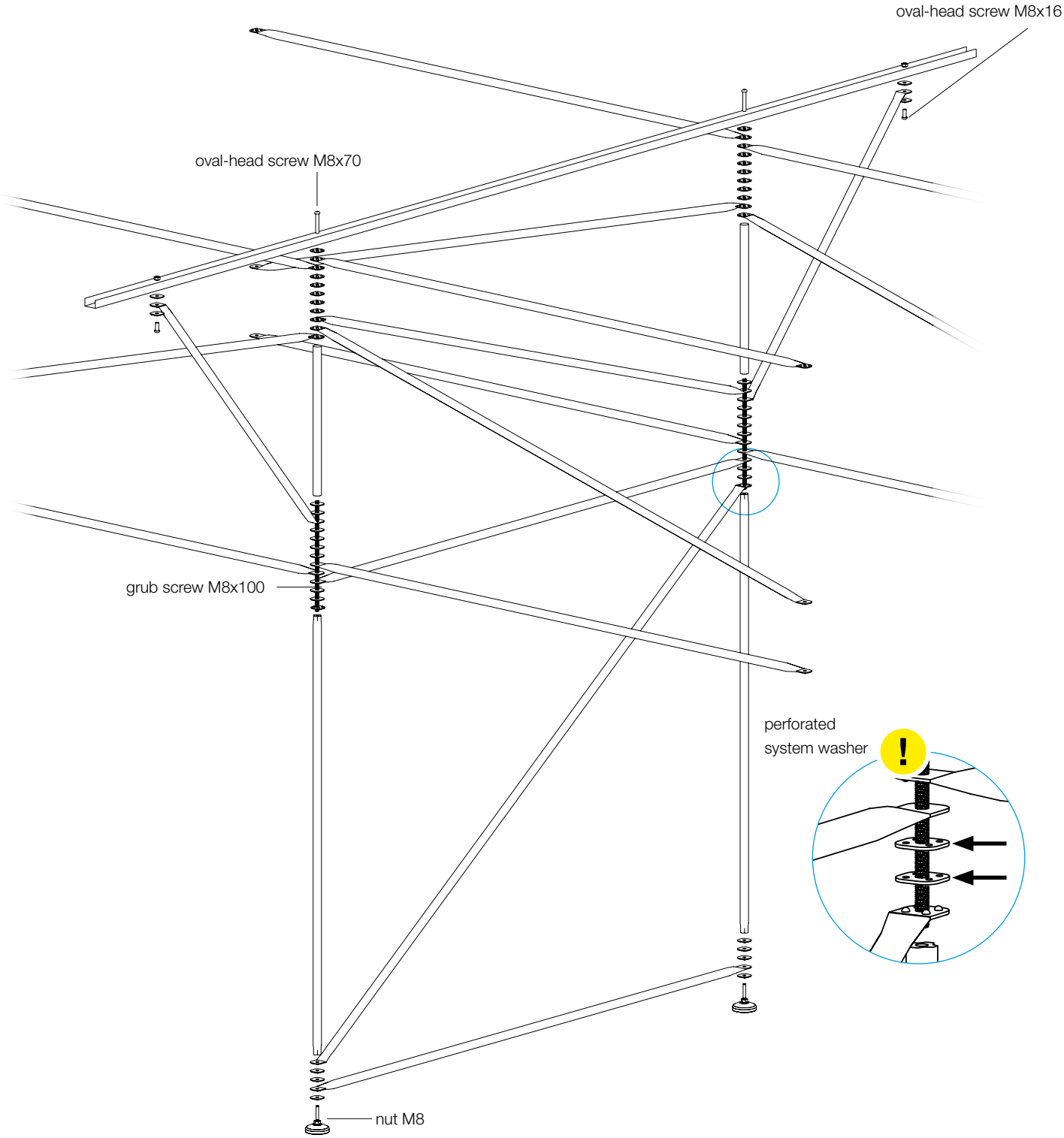
To attach the angle plates you will need the following tools:

- **An electric screwdriver fitted with an appropriate hex key/Phillips head bit insert or Phillips-head screwdriver**



3.4 K table system

3.4.1.1 Middle foot



The following tools are required for mounting the middle foot:
· 5 mm hexagon socket wrench (Allen key) or cordless screwdriver with corresponding bit insert, torque: approx. 7 Nm

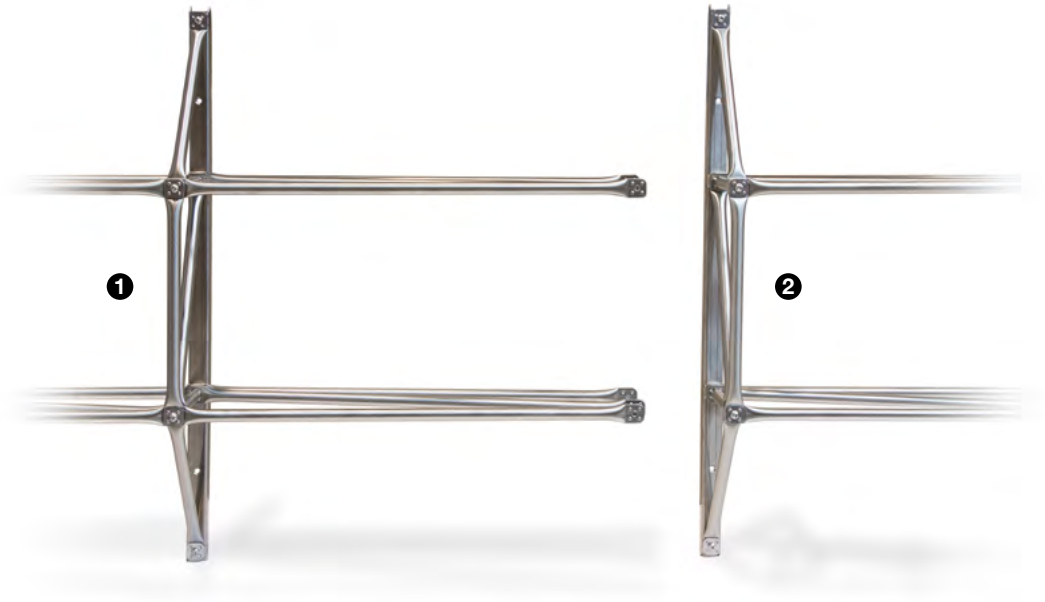
3.4 K table system

3.4.1.2 Assembly halved frame for transport

! Lie the two halves down on their side – this makes it easier to join them together

5-mm hex key/cordless electric screwdriver

❶ First loosen the nodes on which the standard and diagonal bars are fastened.



❷ Now undo one of the four nodes of the other half completely and place the corresponding standard/diagonal bar into the position together with the white system washer. Tighten up the white nodes.

❸ Do the same thing for each of the remaining nodes.

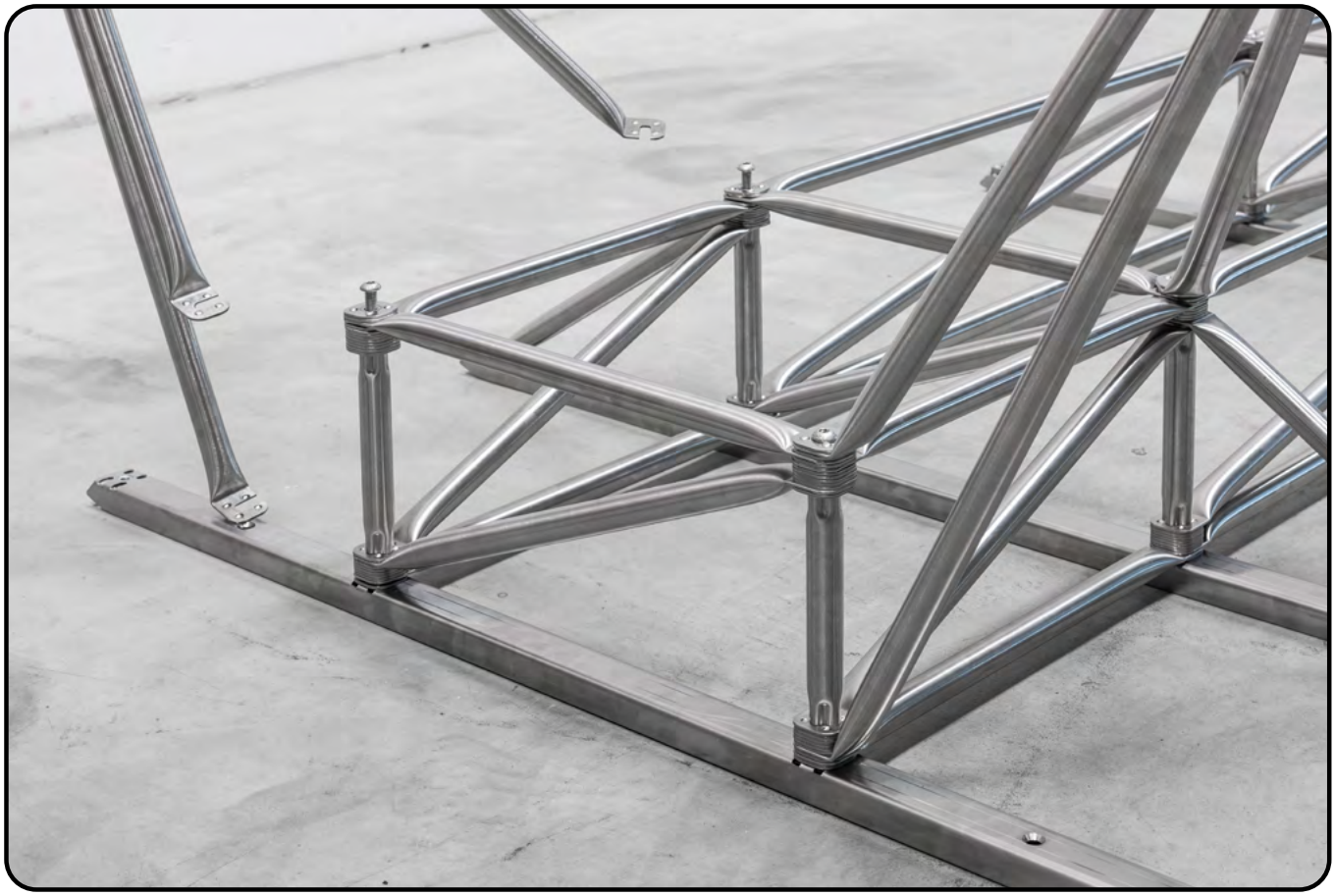
3.4 K table system

3.4.1.3 Slotted table legs

! Lay the table frame upside down on the floor.

5-mm hex key/cordless electric screwdriver

❶ Loosen the notes and insert each of the tubes for up the table legs with the slot placed where white system washer were previously positioned (removing the latter). Then tighten up the nodes.

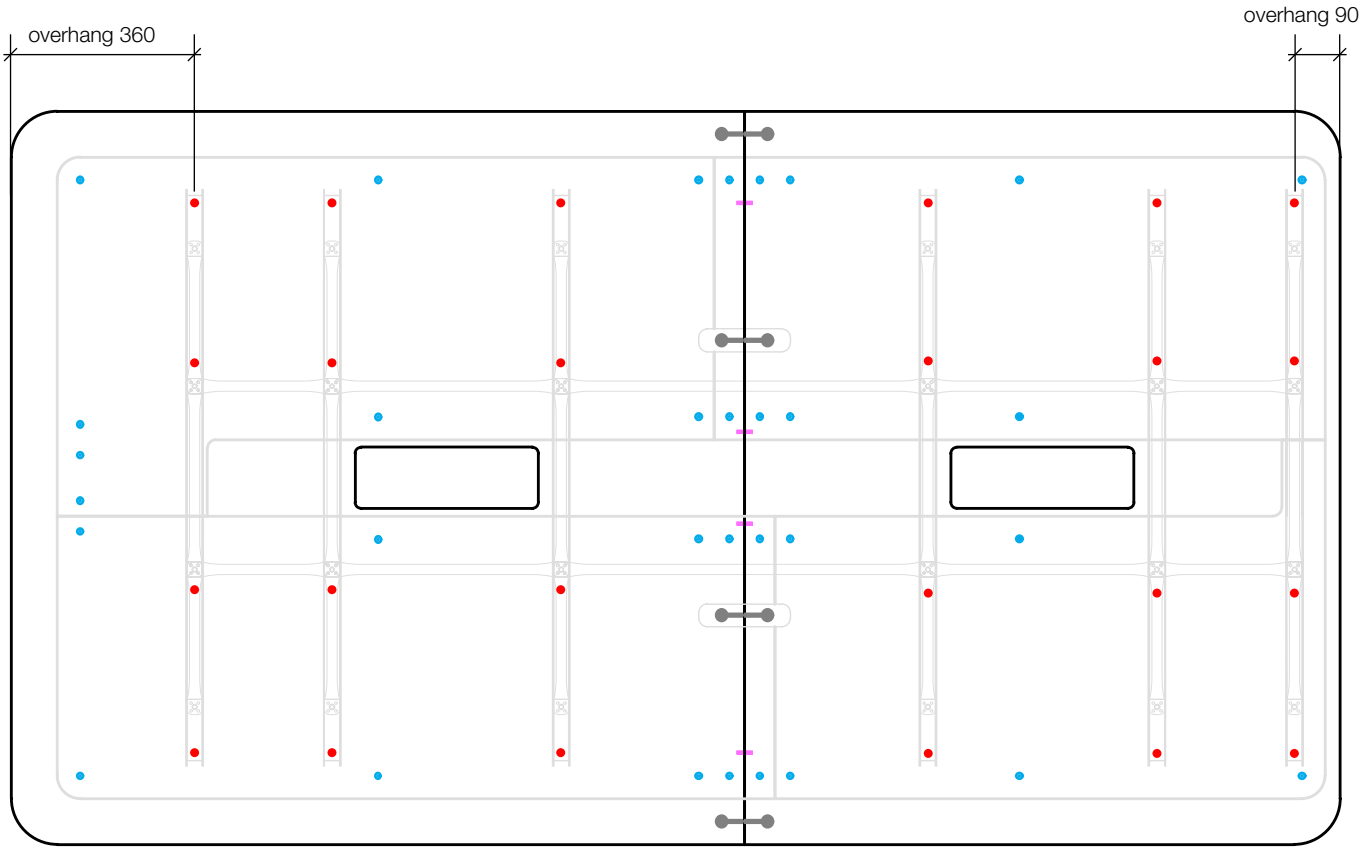


3.4 K table system

3.4.2.1 Table top mounting standard

! Be sure to use short M6x20 countersunk screws • when the U-profile of the frame is under the butt edge of the upper table tops.

- pan head screw M6x40
- pan head screw M6x25, black
- connector ID 67246
- wooden dowel ID 67880

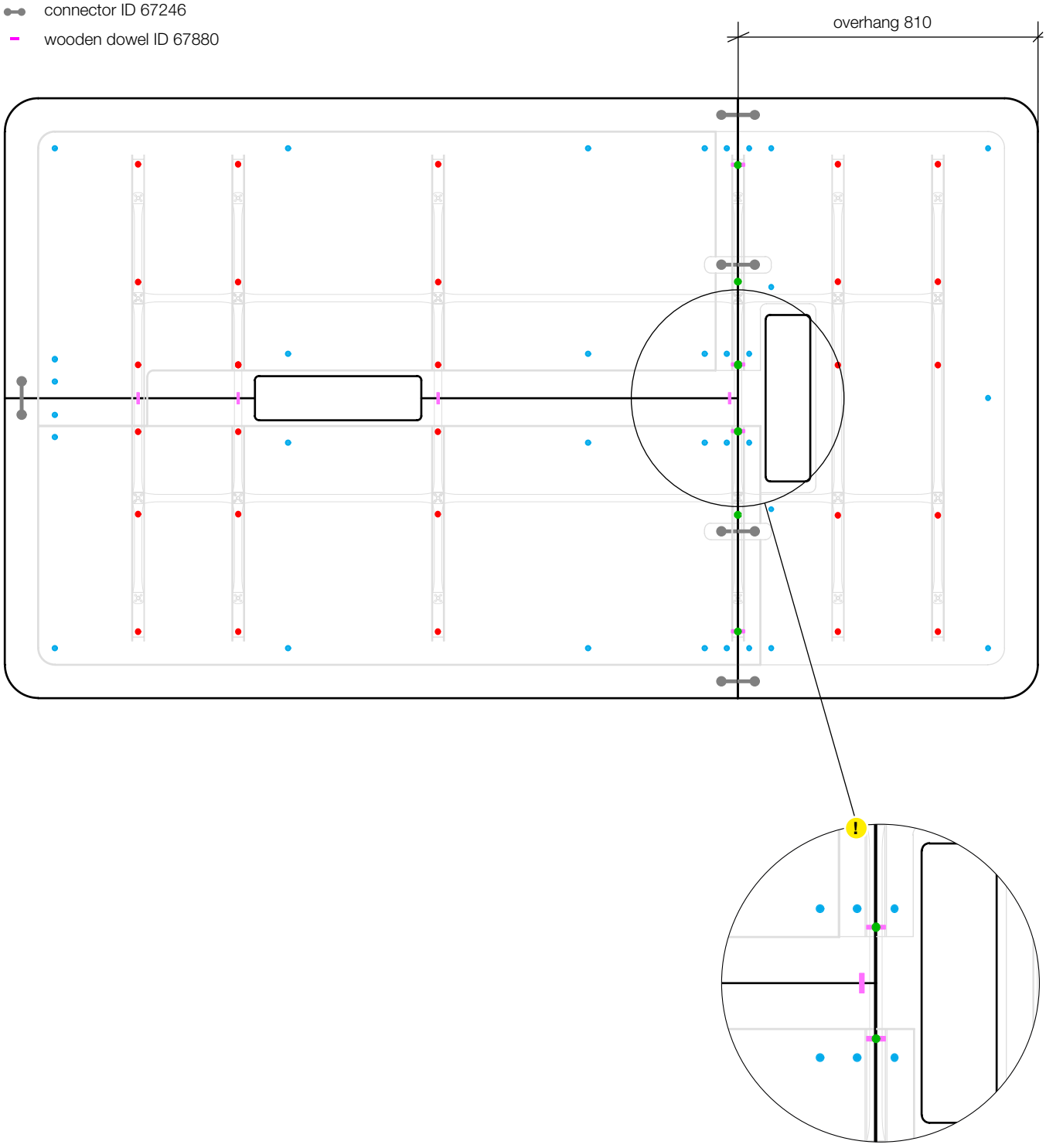


3.4 K table system

3.4.2.2 Table top mounting cover panel joint over profile

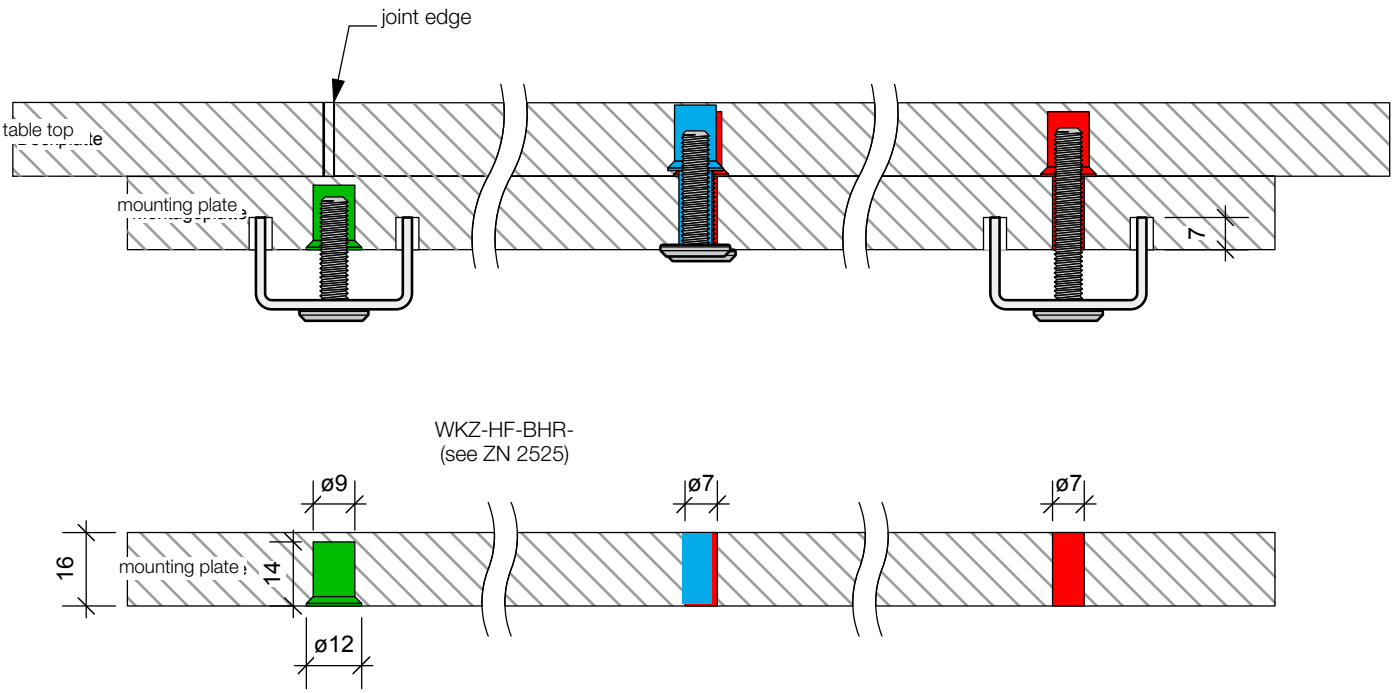
! Be sure to use short M6x20 countersunk screws • when the U-profile of the frame is under the butt edge of the upper table tops.

- pan head screw M6x40
- pan head screw M6x25
- pan head screw M6x25, black
- counter M6x20
- connector ID 67246
- wooden dowel ID 67880



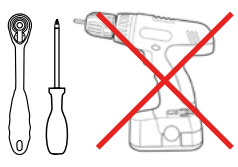
3.4 K table system

3.4.2.3 Assembly instruction bolts



- **pan head screw M6x25**
  – through the profile into the lower plate (U-profile under joint edge)
- **pan head screw M6x25, black**
  – through the lower plate into the upper plate
- **pan head screw M6x40**
  – through the profile, through the lower plate into the upper plate

The following tools are required for mounting the table top:
· Hexagon socket screwdriver (4 mm)
· Torque wrench with torque: max. 3 Nm



3.4 K table system

3.4.3 K table system bases

The base is a rear-/front panelling with hollow grooves milled into two edges. The lower edge of this groove should face the top of the table.

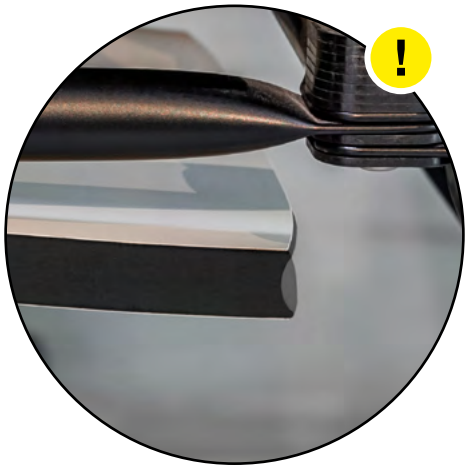
! The lower edges of the grooves must point upwards during installation!

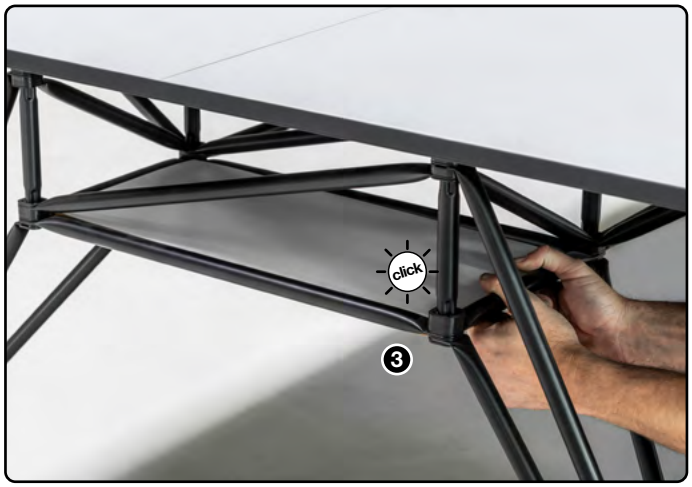
! In this case please do not loosen the bolts.

❶ The shelves are inserted after the frame has been completely assembled.

❷ Press the floor from below with the moulding on one of the corresponding straight lines.

❸ Then click the floor firmly into the tubular frame.

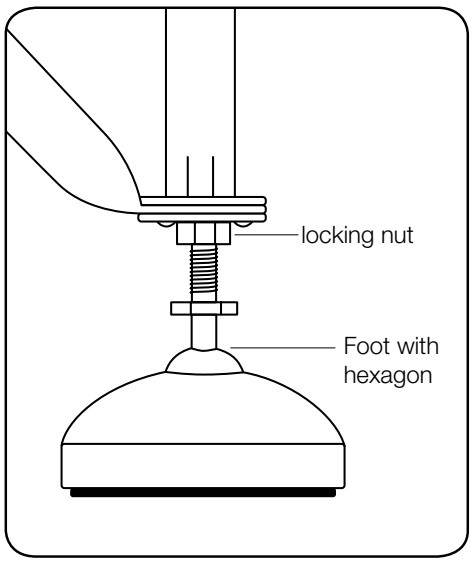




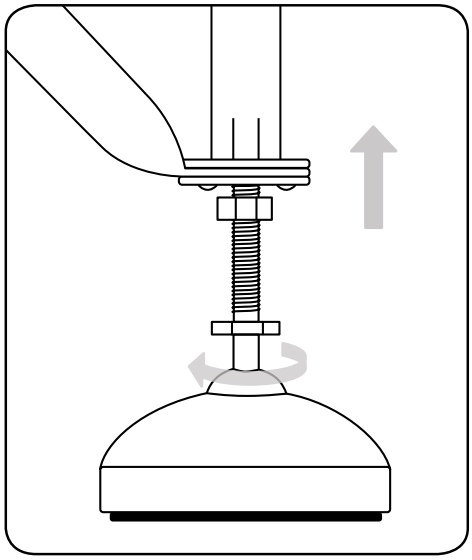
3.4 K table system

3.4.4 Height compensation articulated feet

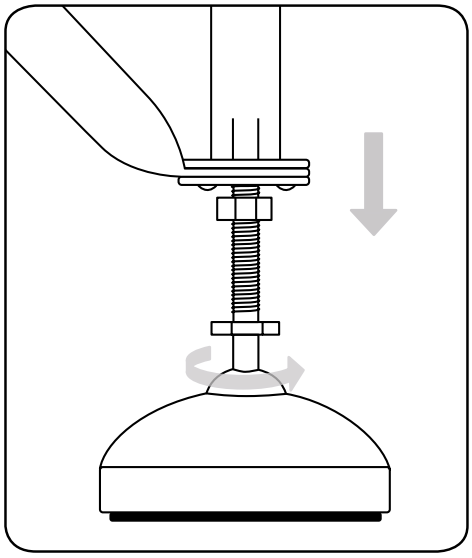
14 mm open-end wrench



❶ Loosen the locking nut to move the foot.



❷ Turn the foot with hexagon clockwise to raise the table.



❸ Turn the foot with hexagon counterclockwise to lower the table.

3.4 K table system

3.4.5 K table system panels

The panels are only inserted after the frame has been completely assembled.

! Panels for the front ends:

The panels for the front ends have a simple bend on one side, this must point upwards.

❶ First place one side of the panel on the bar.

❷ Now click the other side firmly into the frame.

! Panel for long sides:

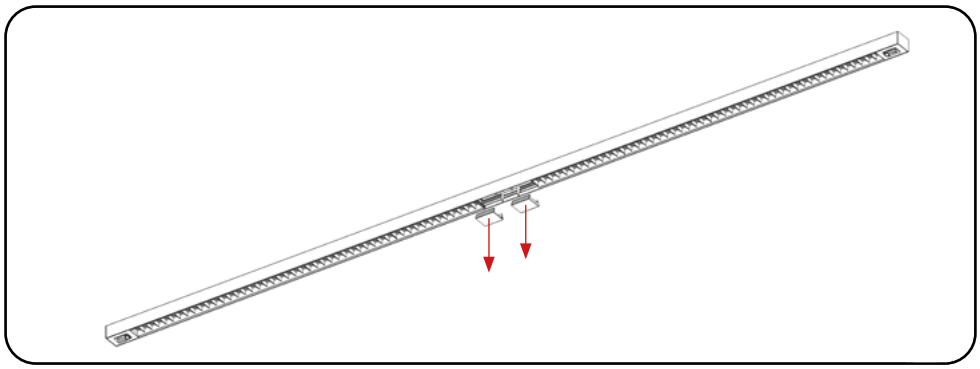
❶ First place one side of the panel on the bar.

❷ Then press the two horizontal edges together and click the panel into the frame.

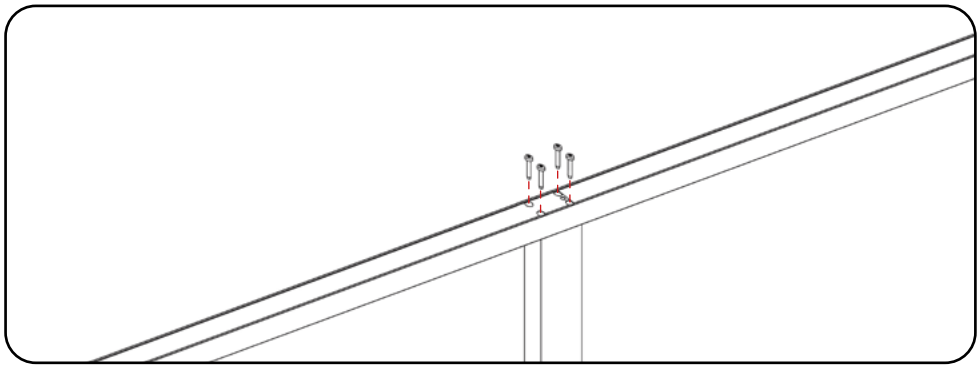
3.4 K table system

3.4.6 Lighting adapter for „Molto Luce Lens“

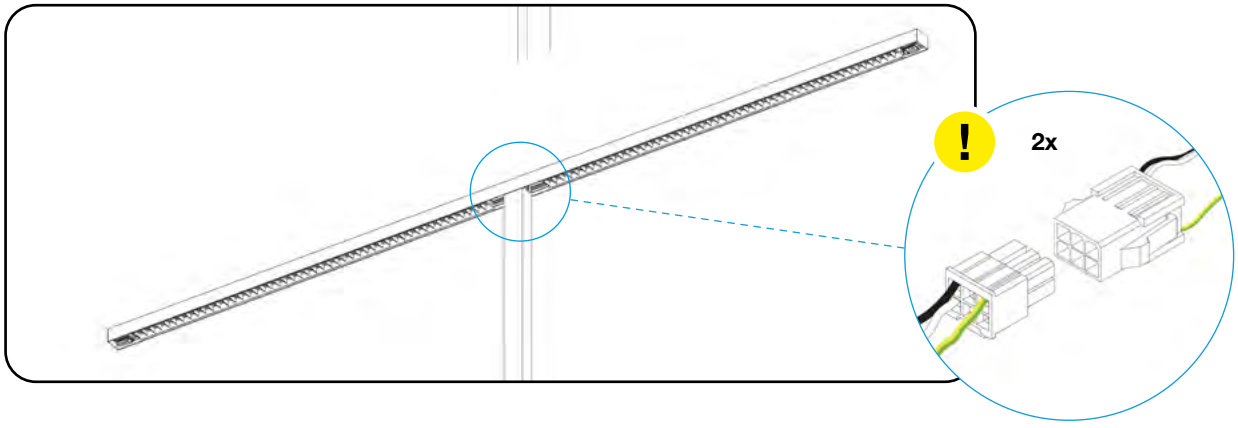
❶ First remove the cover caps on the underneath the lamp.



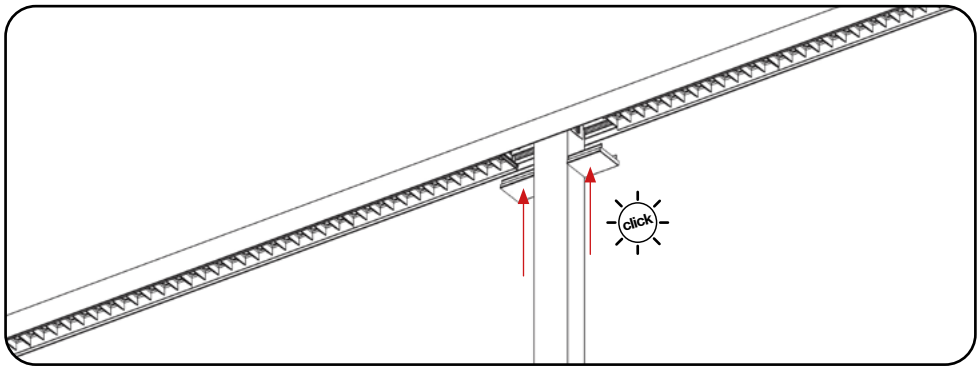
❷ Fasten the lamp to the upper end of the shaft.



❸ Then connect the power supply on both sides.



❹ Finally, replace the cover caps.



3.4 K table system

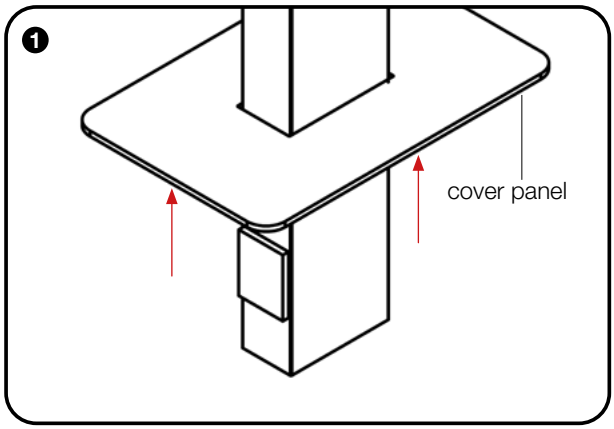
3.4.6 K table system panels

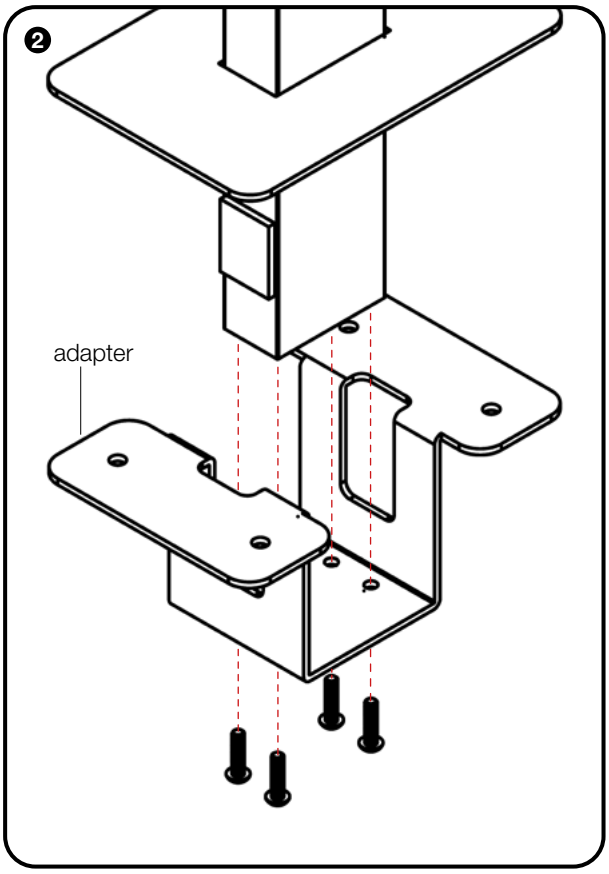
❶ Slide the cover panel over the lamp shaft.

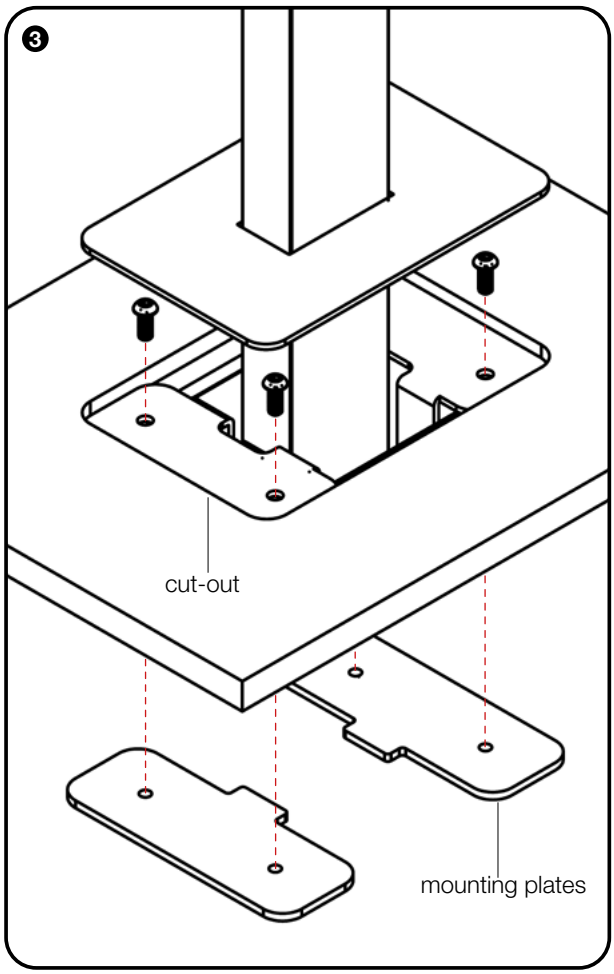
❷ Attach the adapter to the shaft from below using the included screws.

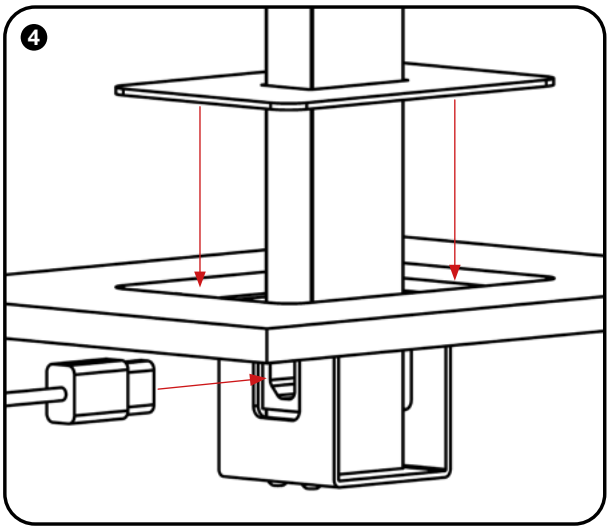
❸ Insert the lamp including the adapter into the table‘s cut-out from above. Fasten the adapter by placing the mounting plates on the underside of the tabletop and screwing them tight from above.

❹ Insert the power plug underneath the tabletop and then lower the cover panel to the level of the table.





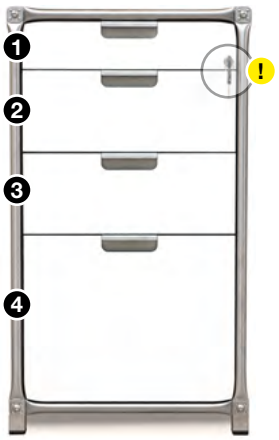




3.5 CF/CR-Container

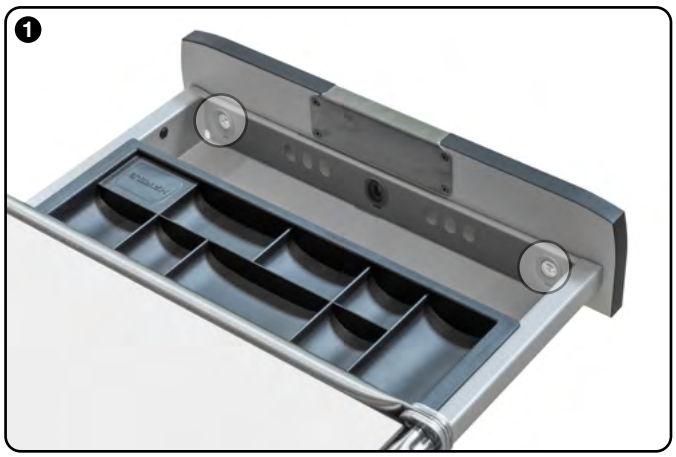
3.5.1 Adjusting fronts

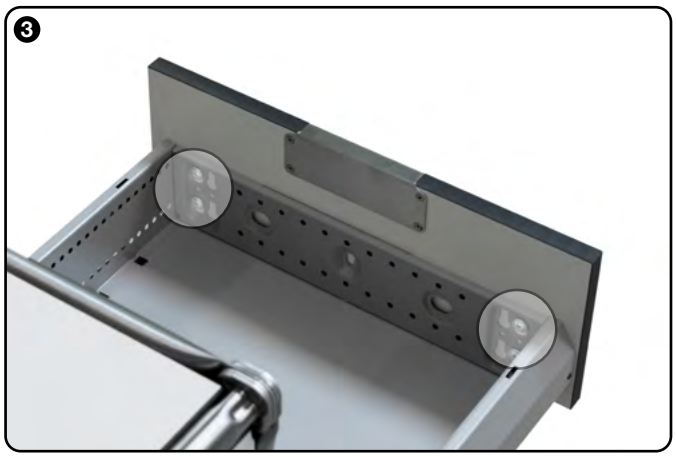
! When setting the topmost drawer front, be careful that it does not sit too low, as otherwise the closing mechanism will no longer close properly. Always check again after you have adjusted the front!



Phillips-head screwdriver

You can set the position of drawer fronts by opening the drawer in question and slightly loosening the appropriate screw on the inside front of the drawer. You can now move the front from side to side.





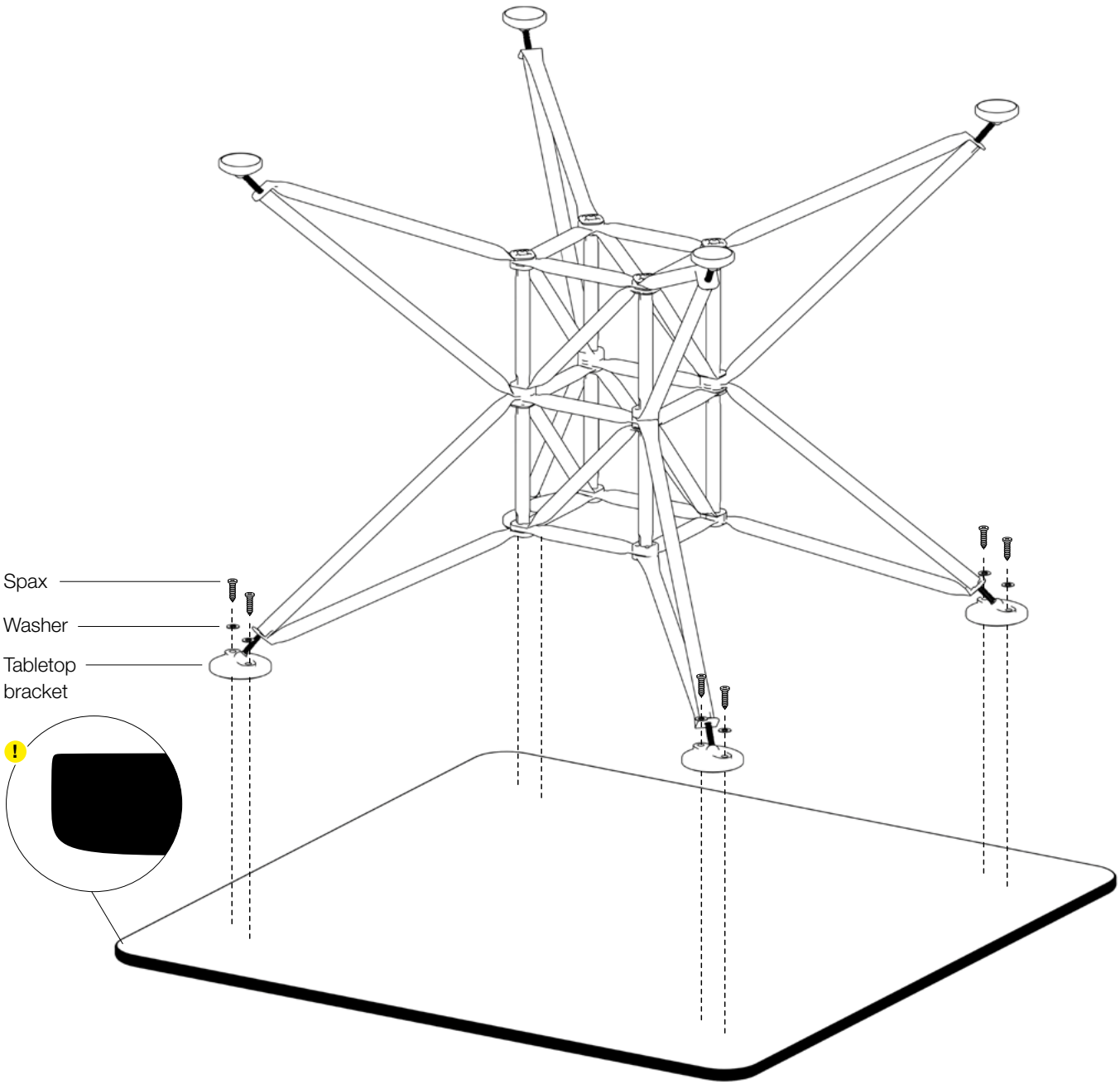
3.6 Lunar table range

3.6.1 Lunar tabletop, partial assembly

❶ To avoid damage to the tabletop, place it upside down on a soft mounting surface.
Place the frame on the tabletop as shown and fix the frame with the enclosed screws.

! Make sure that the smaller edge radius points in the direction of the frame.

❷ If the table is located where it is ultimately destined for use, you can use the adjustable feet to adjust it to any unevenness on the floor.

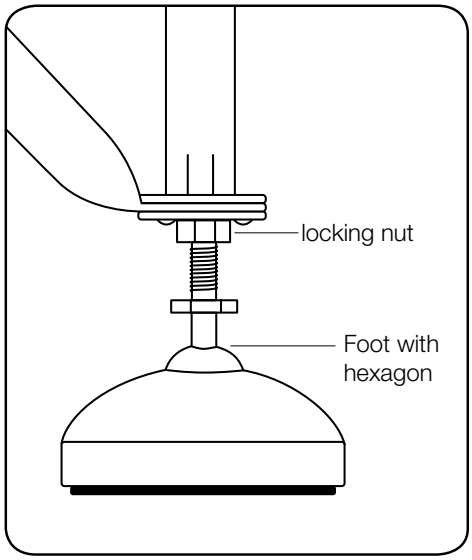


To assemble the Lunar S tabletop you will need:
· An electric screwdriver with PZ2 bit insert

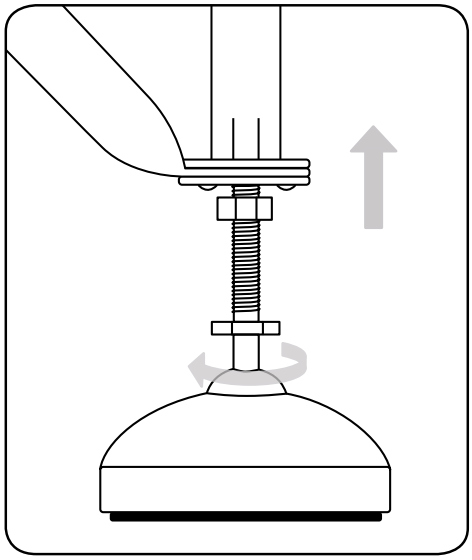
3.6 Lunar table range

3.6.2 Height compensation articulated feet

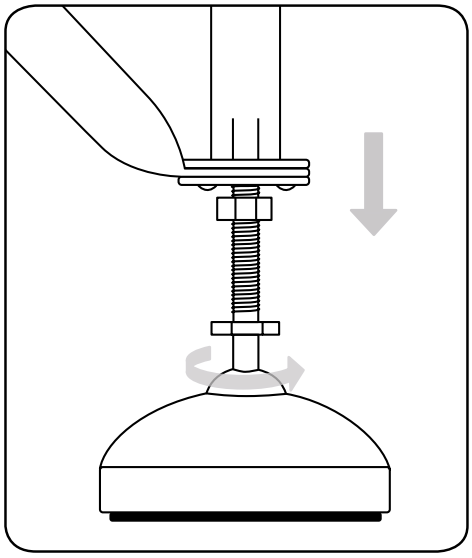
14 mm open-end wrench



❶ Loosen the locking nut to move the foot.



❷ Turn the foot with hexagon clockwise to raise the table.



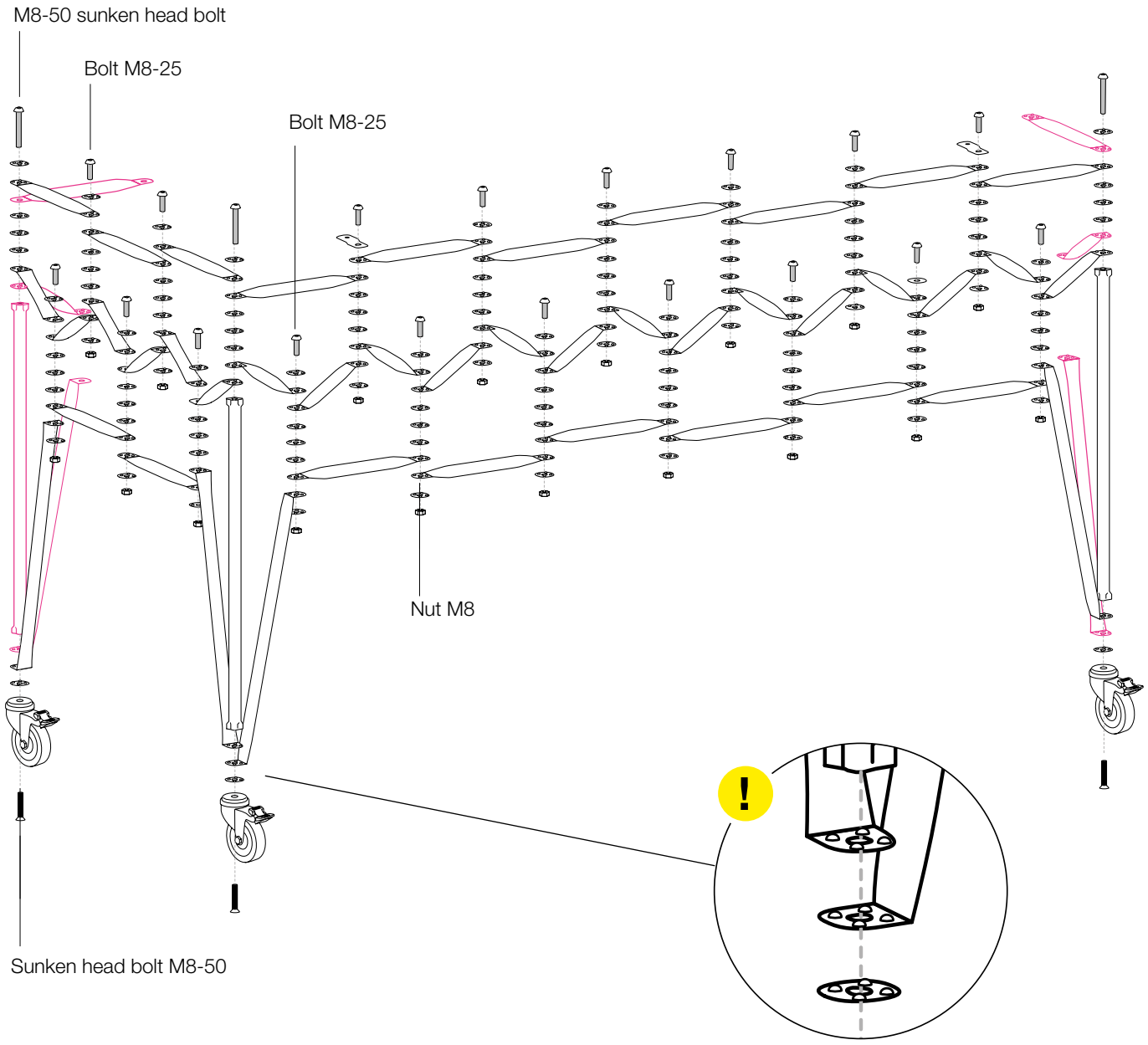
❸ Turn the foot with hexagon counterclockwise to lower the table.

3.7 Bridge table range

3.7.1.1 Bridge 970x2050 assembly on casters

❶ First assemble the table in two separate halves, as shown.

❷ Then join the two halves together at the positions marked in red.



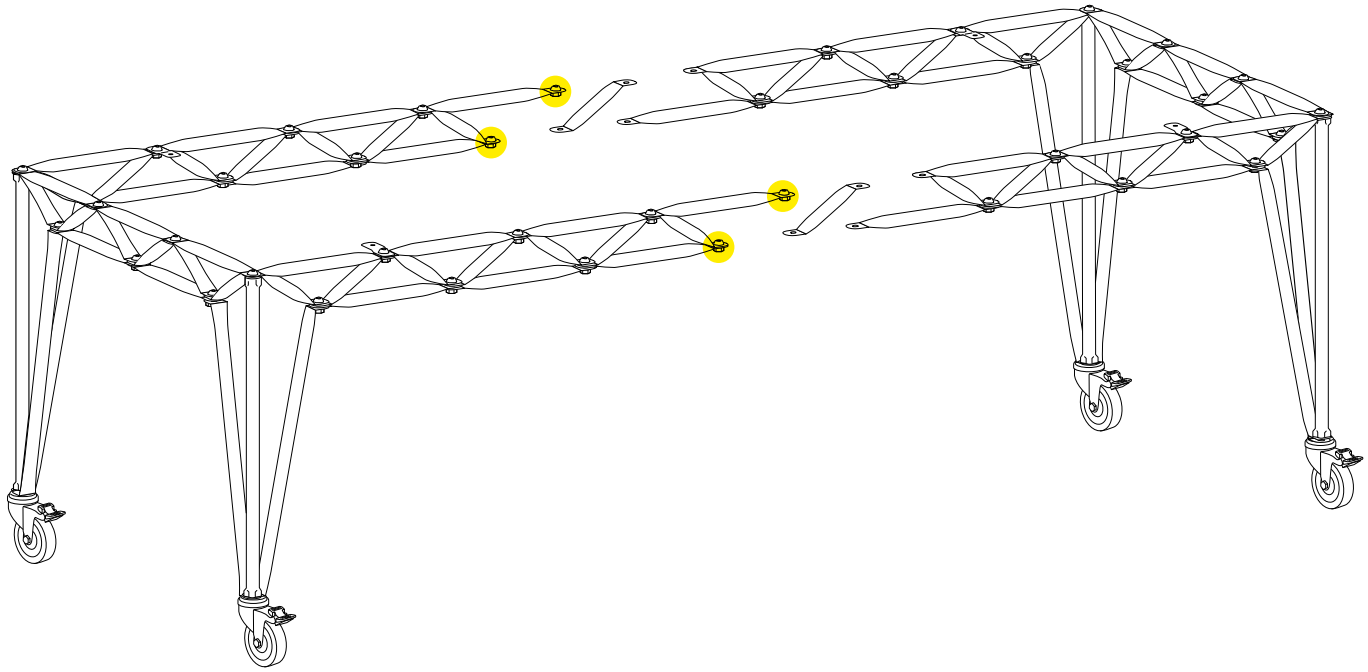
To assemble the Bridge table you will need:

- **5-mm hex (Allen) key or an electric screwdriver with the appropriate bit insert**
- **13-mm spanner**

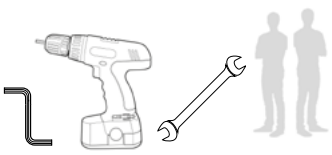
3.7 Bridge table range

3.7.1.2 The two halves of the Bridge 970x2050 frame

❶ Loosen up the nodes shown with coloured system washers and replace the coloured system washers ● using the two connecting bars provided and the correct bars on the other half of the table frame.



To assemble the Bridge table you will need:
- **5-mm hex (Allen) key or an electric screwdriver with the appropriate bit insert**
- **13-mm spanner**



3.7 Bridge table range

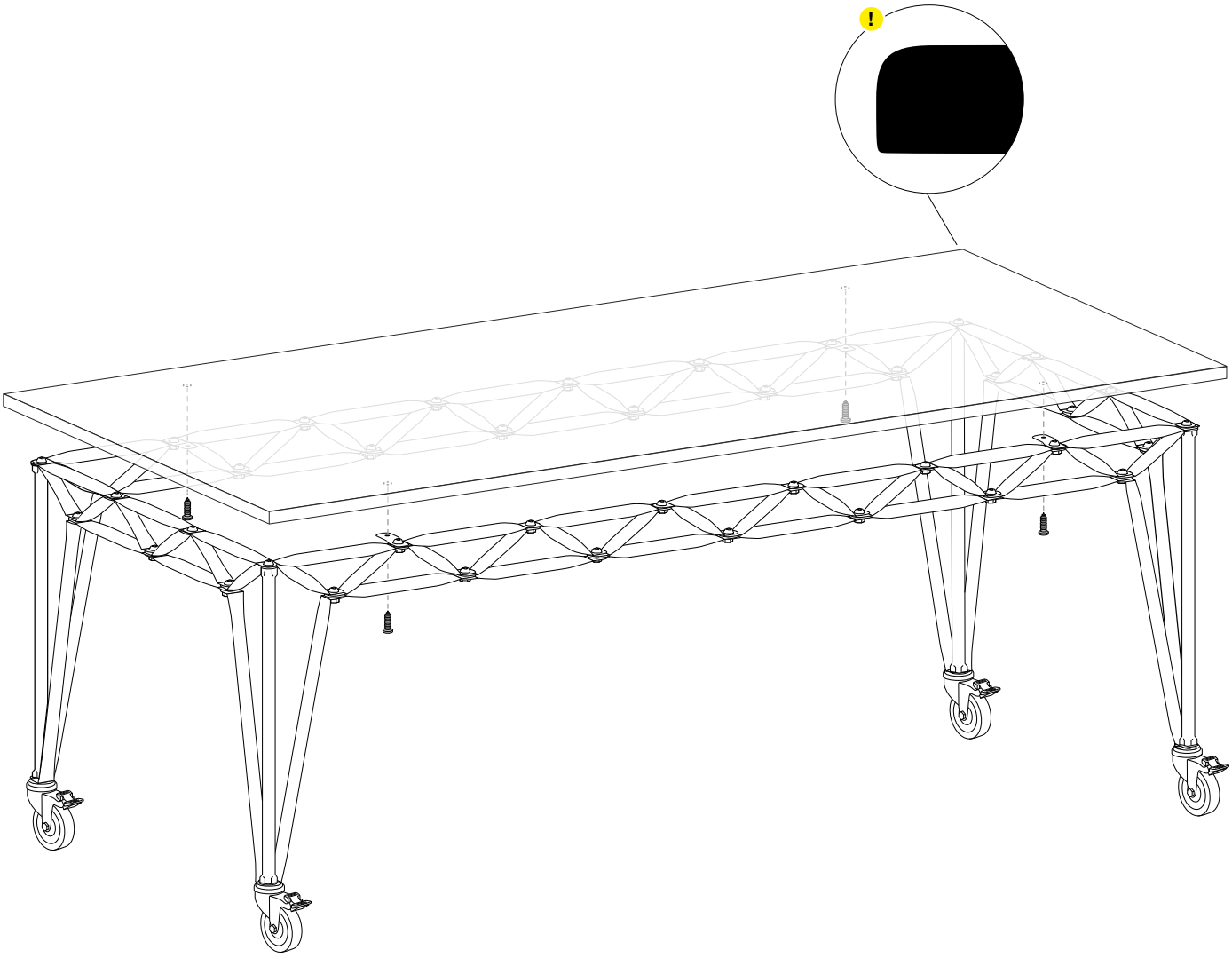
3.7.1.3 Bridge 970x2050 tabletop, partial assembly

Never move the tabletop without the help of another person.

1 Lay the tabletop on the fully assembled table frame and align it correctly along both its width and length.

Make sure that the smaller edge radius points in the direction of the frame.

2 Fasten the frame at the tabletop fixation points using the screws provided.



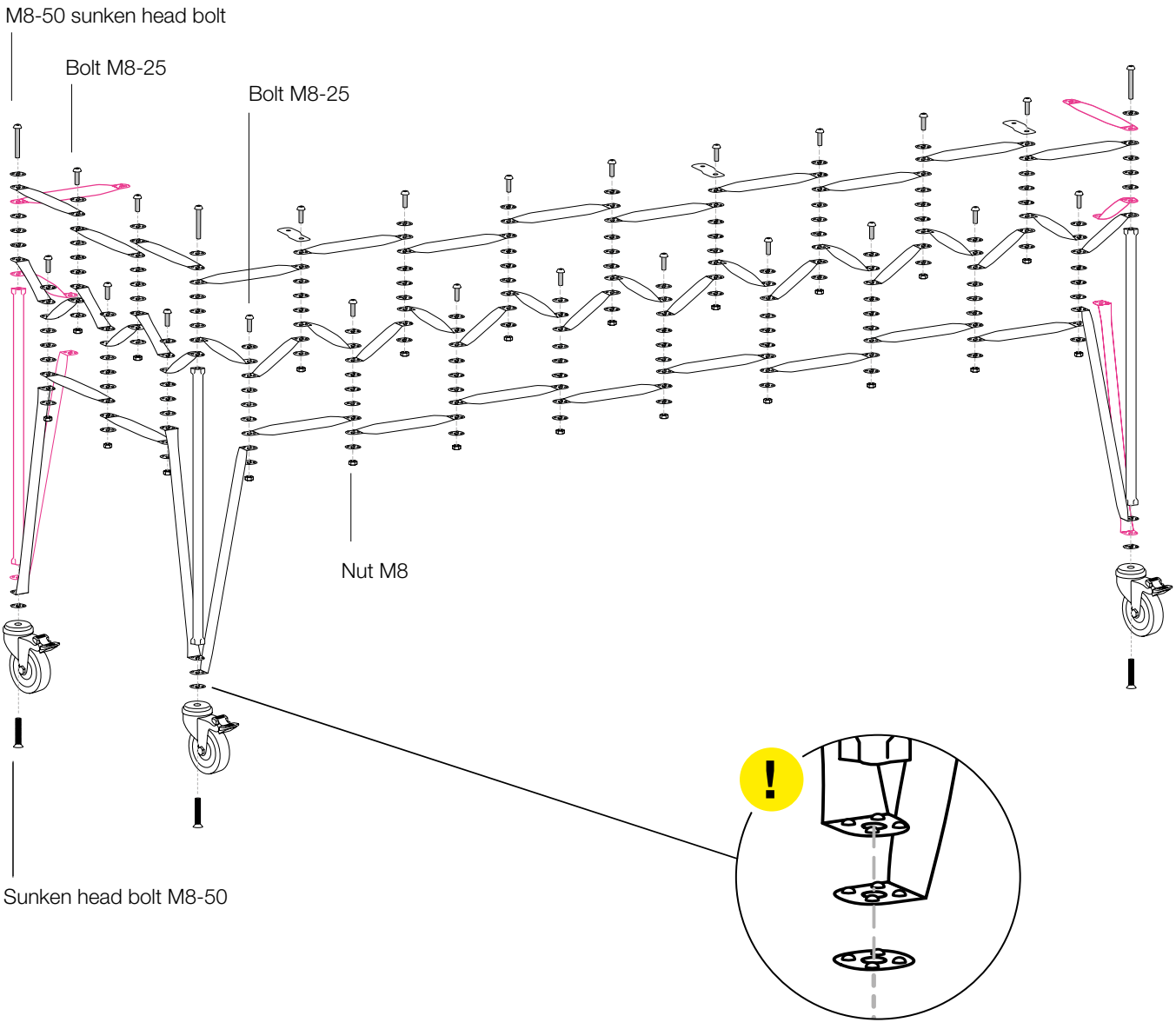
To assemble the Bridge tabletop you will need:
· A PZ2 manual screwdriver or an electric screwdriver with the appropriate bit insert

3.7 Bridge table range

3.7.2.1 Bridge 970x2590 assembly on casters

❶ **First assemble the table in two separate halves, as shown.**

❷ **Then join the two halves together at the positions marked in red.**



To assemble the Bridge table you will need:
- **5-mm hex (Allen) key or an electric screwdriver with the appropriate bit insert**
- **13-mm spanner**

3.7 Bridge table range

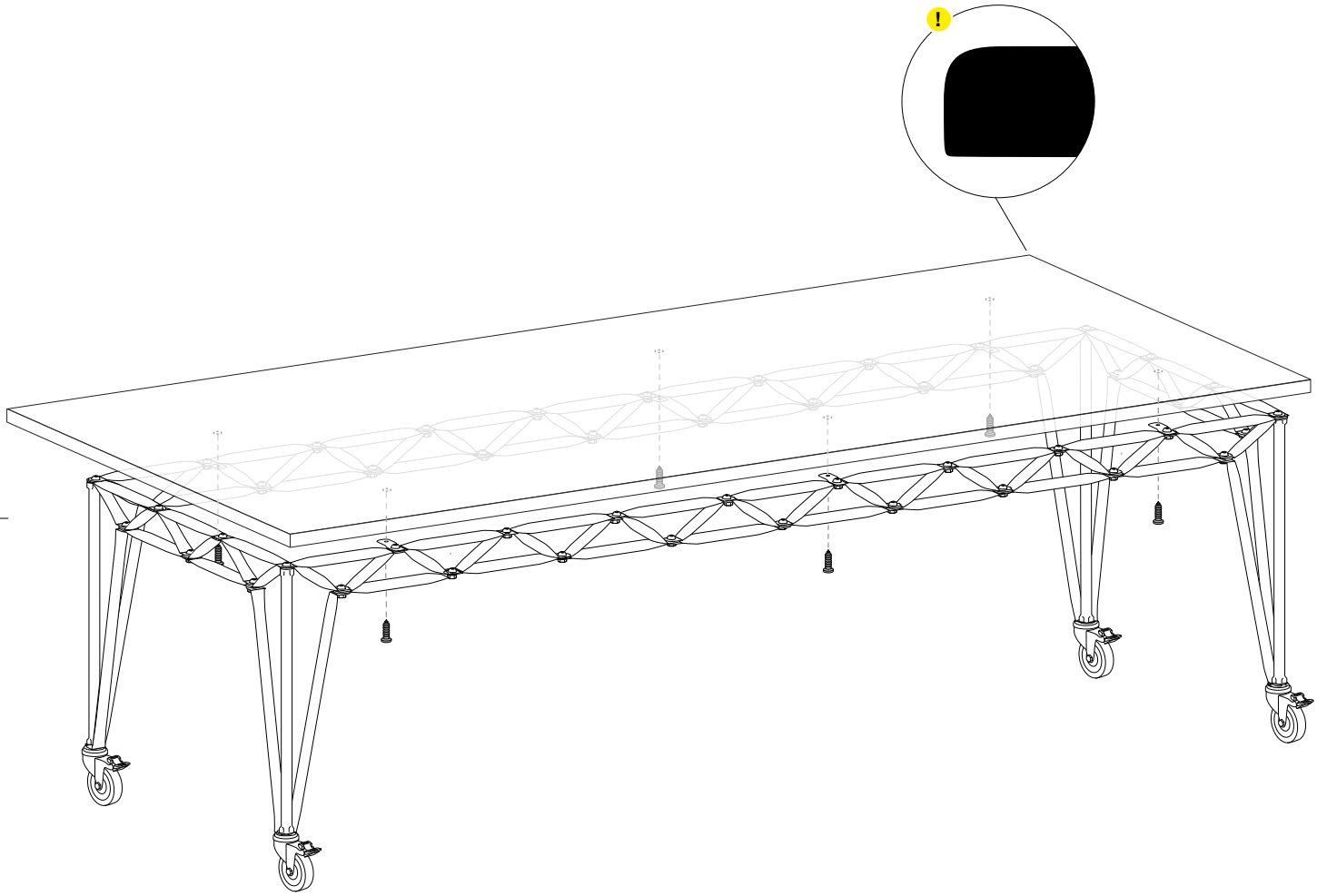
3.7.2.2 Bridge 970x2590 tabletop, partial assembly

! Never move the tabletop without the help of another person.

❶ Lay the tabletop on the fully assembled table frame and align it correctly along both its width and length.

! Make sure that the smaller edge radius points in the direction of the frame.

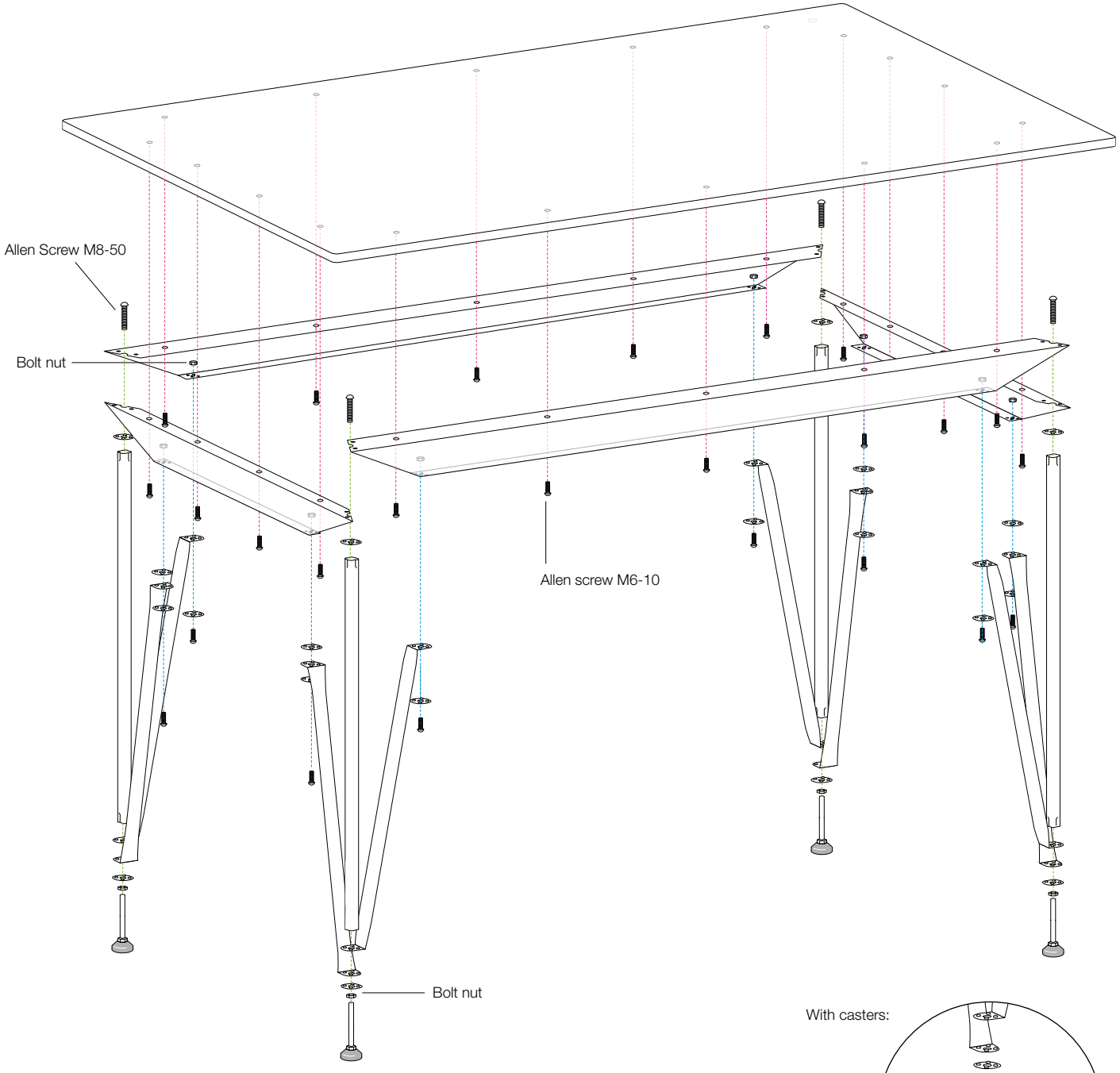
❷ Fasten the frame at the tabletop fixation points using the screws provided.



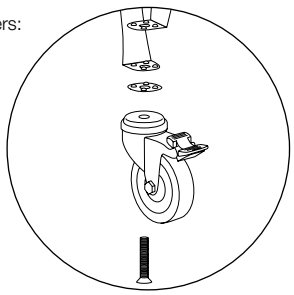
To assemble the Bridge tabletop you will need:
· A PZ2 manual screwdriver or an electric screwdriver with the appropriate bit insert

3.8 BridgePro

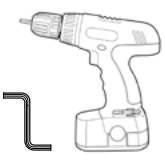
3.8.1 BridgePro M



With casters:



To assemble the BridgePro M you will need the following tools:
· 4 mm and 5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm



SYSTEM 180

LINAK
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3.9 Sit/Stand desk

3.9.1 Linak frame assembly

❶ Get all the parts ready for the table.

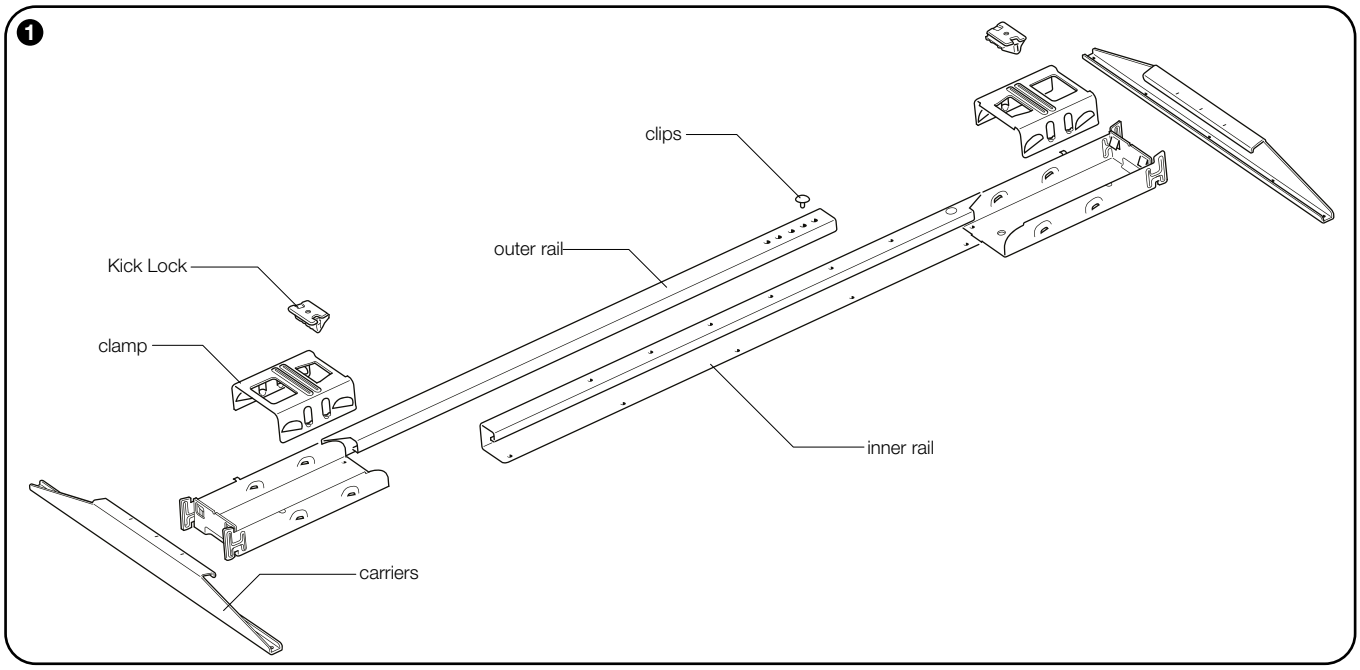
❷ Fit the inner rail to the desired length with the outer rail.

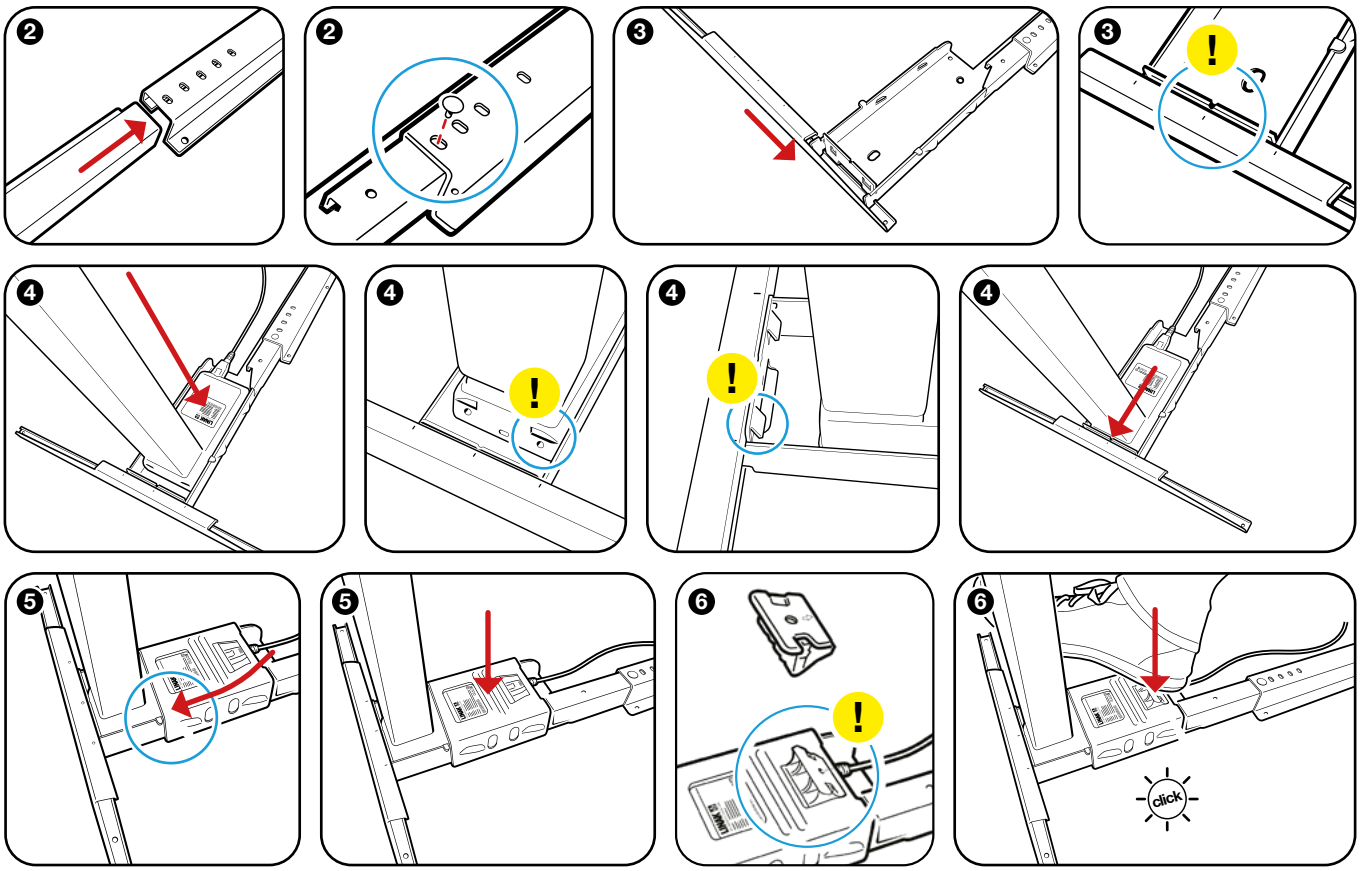
❸ Push the carriers centred onto the outer mounting points of the rails.

❹ Insert the columns into the base frame and connect them to the mounting brackets on the beams.

❺ Place the clamp on the column body and press it down slightly.

❻ Place the Kick Lock in the clamp so that the arrow marks are on the same side. Insert the Kick Lock with your foot until you hear it click.





3.9 Sit/Stand desk

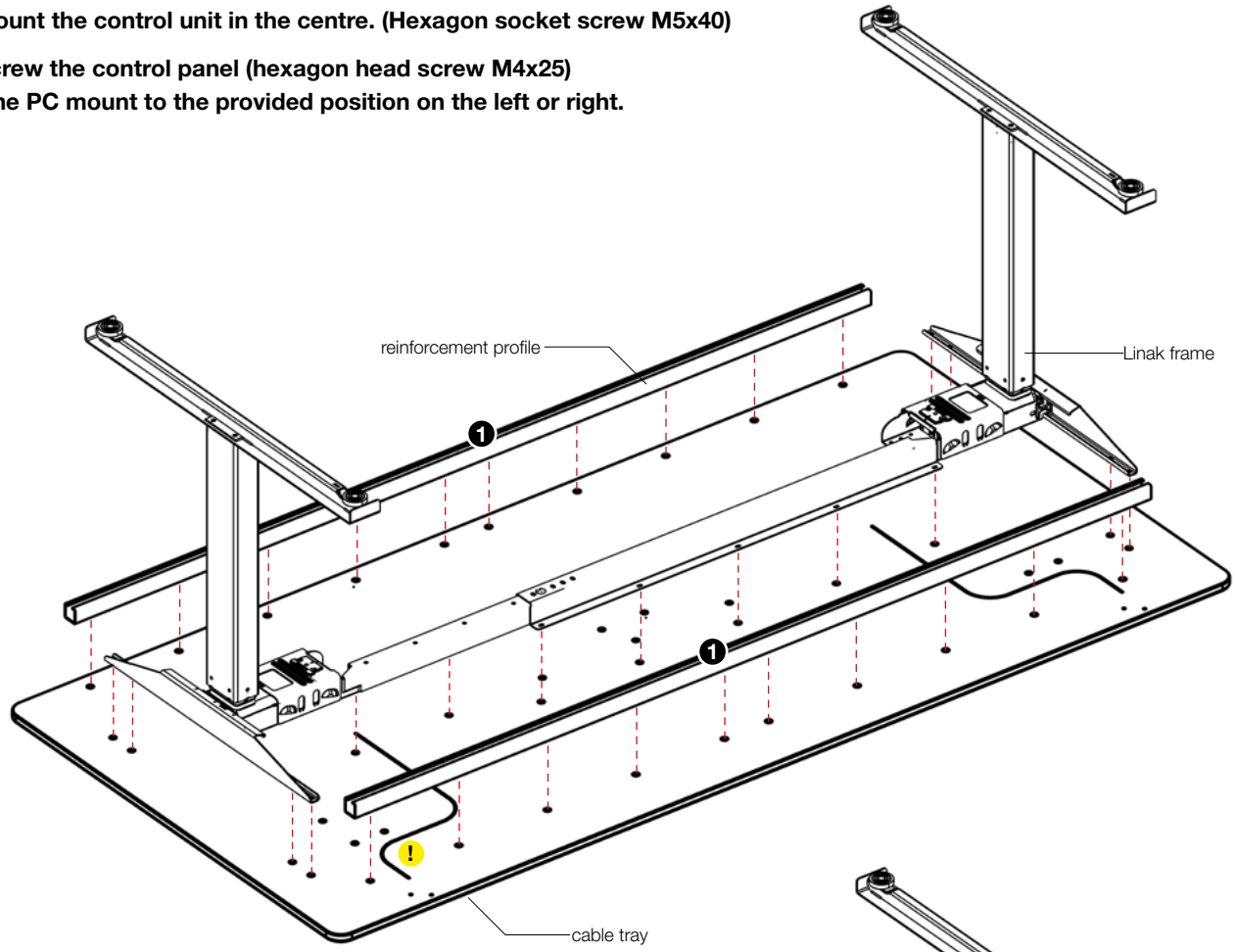
3.9.2 Connecting Linak frame with table top

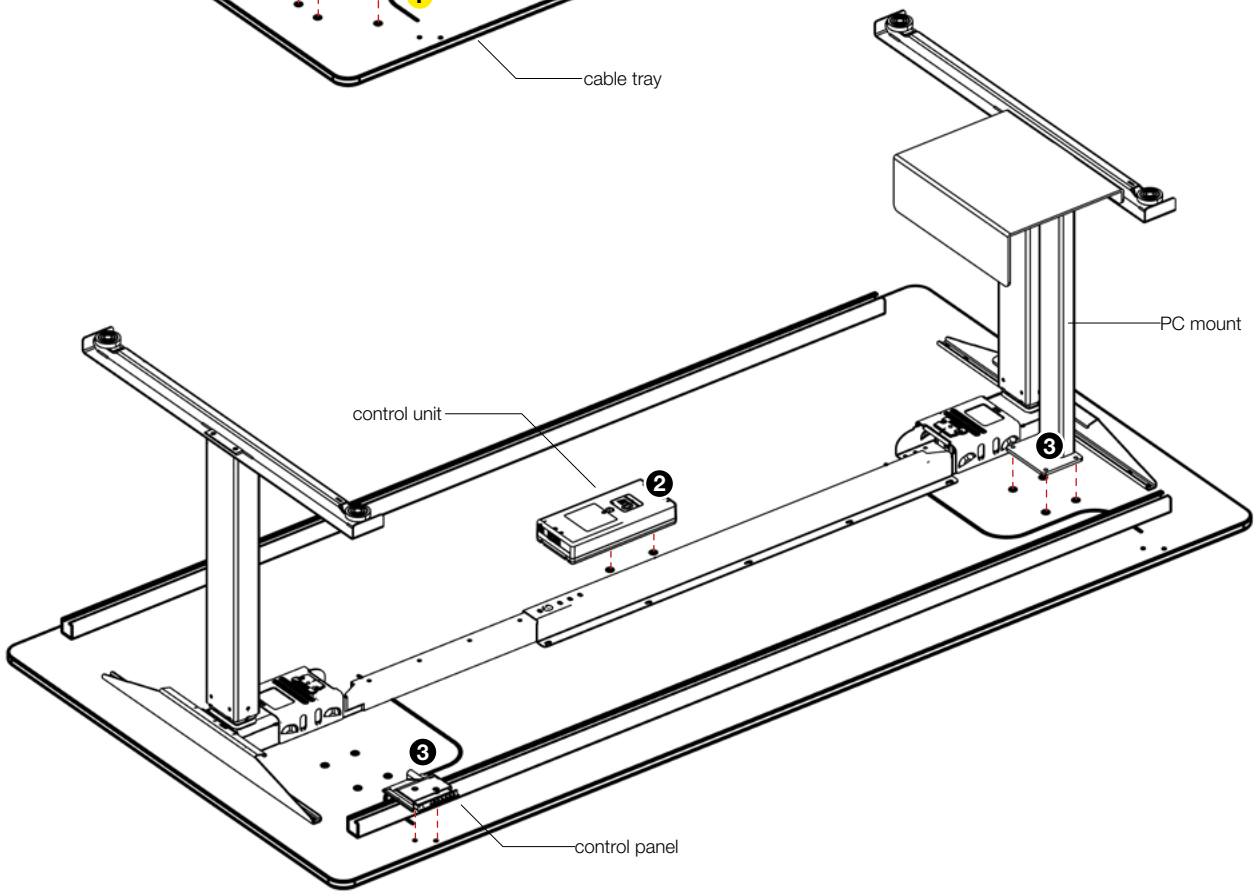
! Caution: Start by placing the cable of the control panel in the cable tray.

❶ Screw the frame and the reinforcement profiles to the table top. (M5x12 hexagon socket screw)

❷ Mount the control unit in the centre. (Hexagon socket screw M5x40)

❸ Screw the control panel (hexagon head screw M4x25) and the PC mount to the provided position on the left or right.

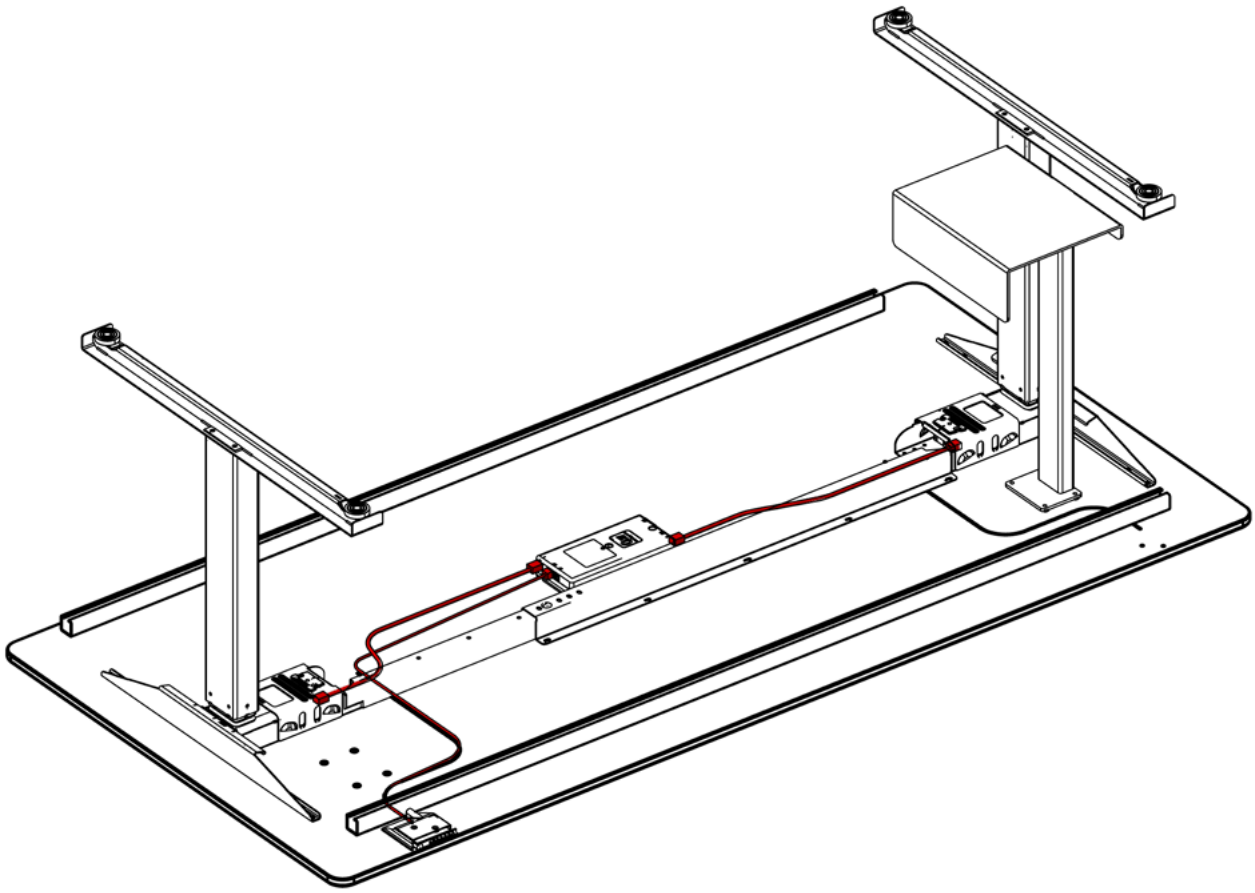




3.9 Sit/Stand desk

3.9.3 Sit/Stand desk electricity supply

Connect the control panel and the columns to the control unit as shown.



To assemble the Sit/Stand desk you will need the following tools:
· 4 mm and 5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm

3.10 Bleachers moduls SitUp

3.10.1 SitUp ST

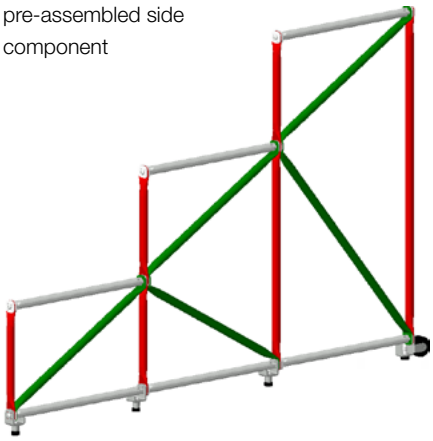
❶ **Place the two pre-assembled side parts next to each other and loosen the relevant node slightly.**

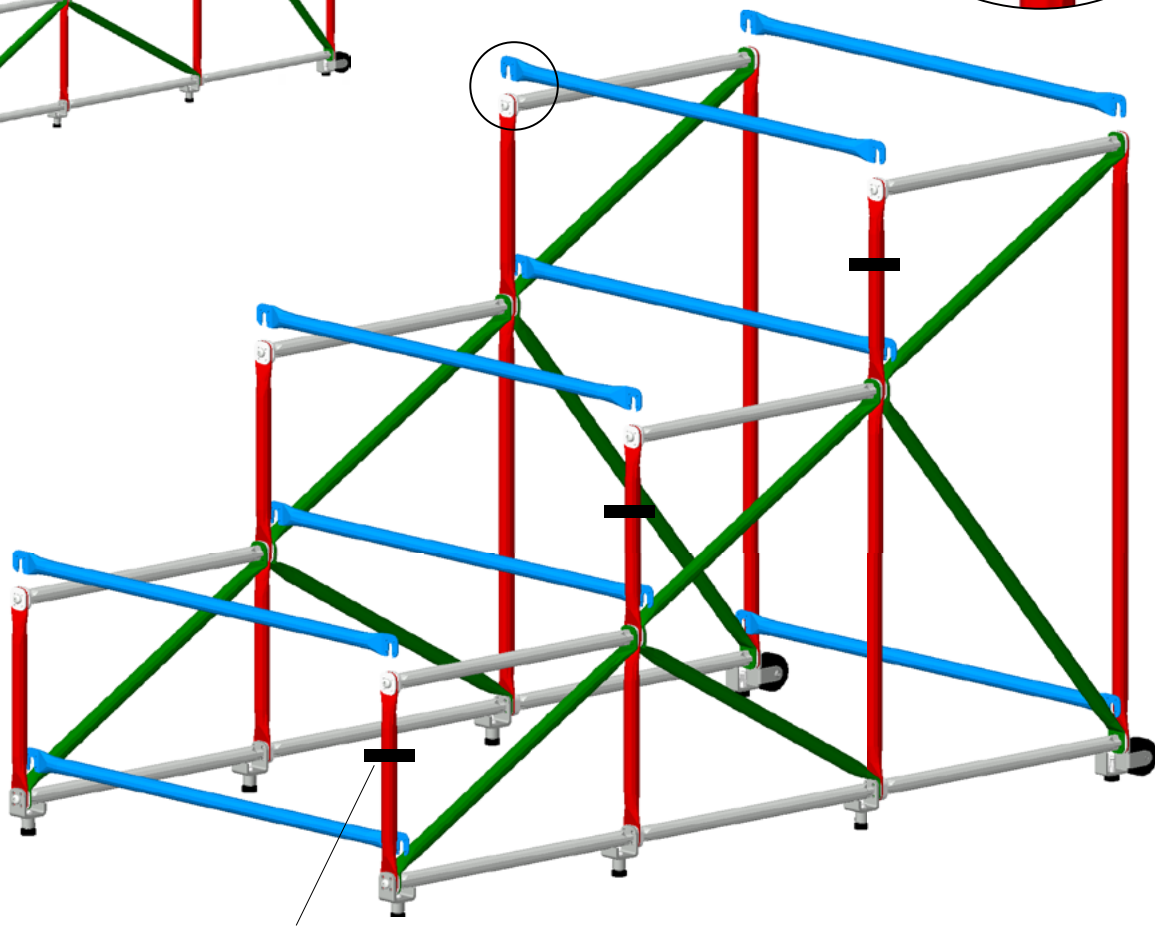
! **Attention: Do not loosen the screw completely!**

❷ **Replace the slotted system washer with a slotted standard bar.**

❷ **Tighten the nde again. Continue in this way at the nodes shown.**

pre-assembled side component





Velcro for connecting SitUps

To assemble the Bleachers modul SitUp ST you will need the following tools:

- **5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm**

3.10 Bleachers moduls SitUp

3.10.1 SitUp ST

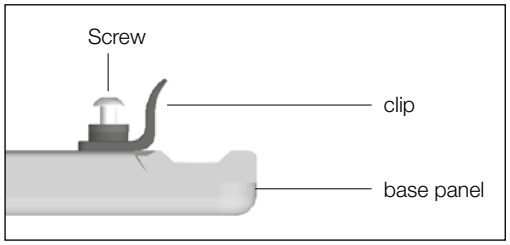
PZ2 Screwdriver

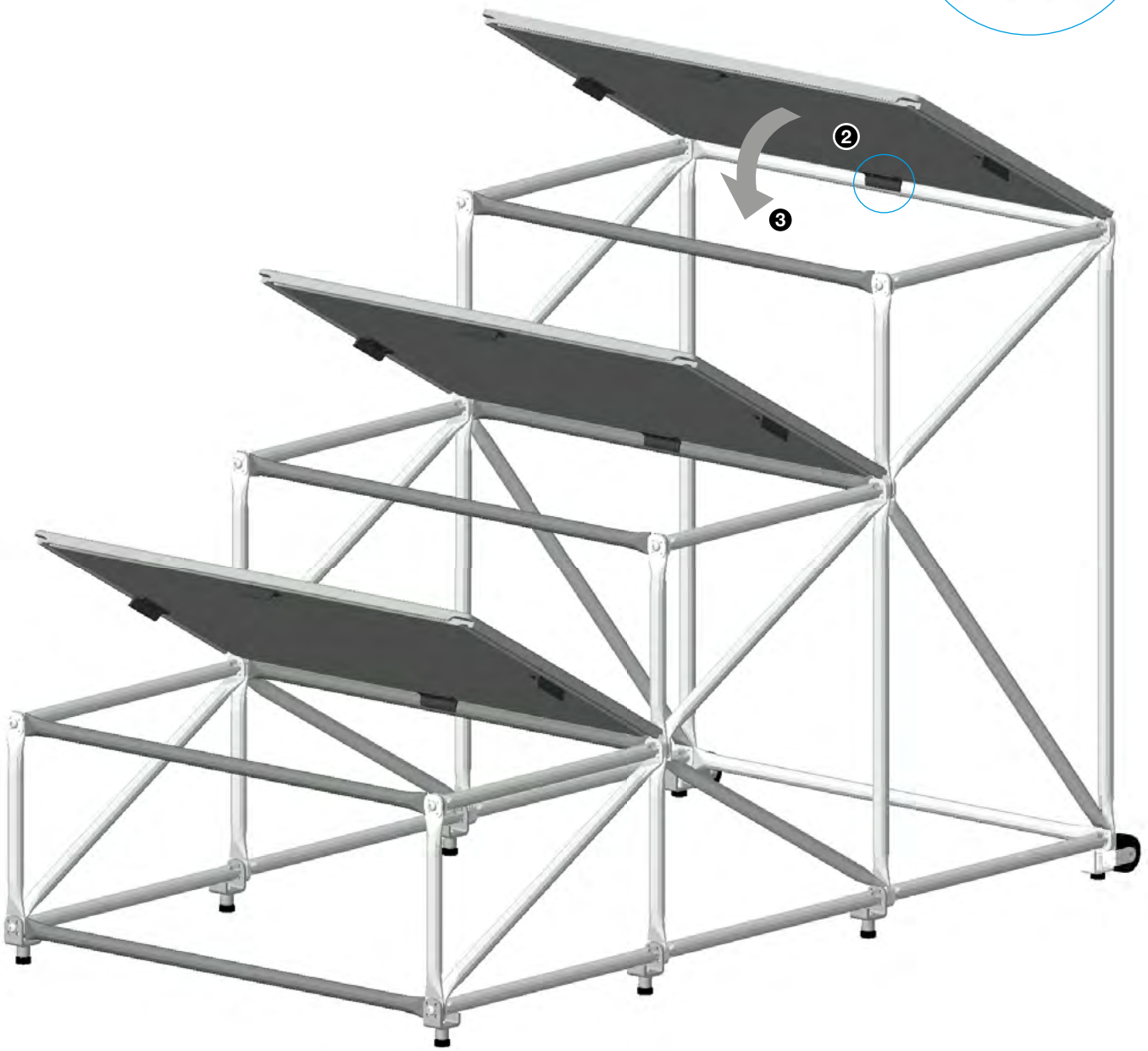
❶ Screw the clips in the appropriate place on the system base panel.

❷ First place one of the clips attached to the system base panel on one side of the rack.

❸ Then fold the base panel onto the frame and press it firmly.

❶





3.10 Bleachers moduls SitUp

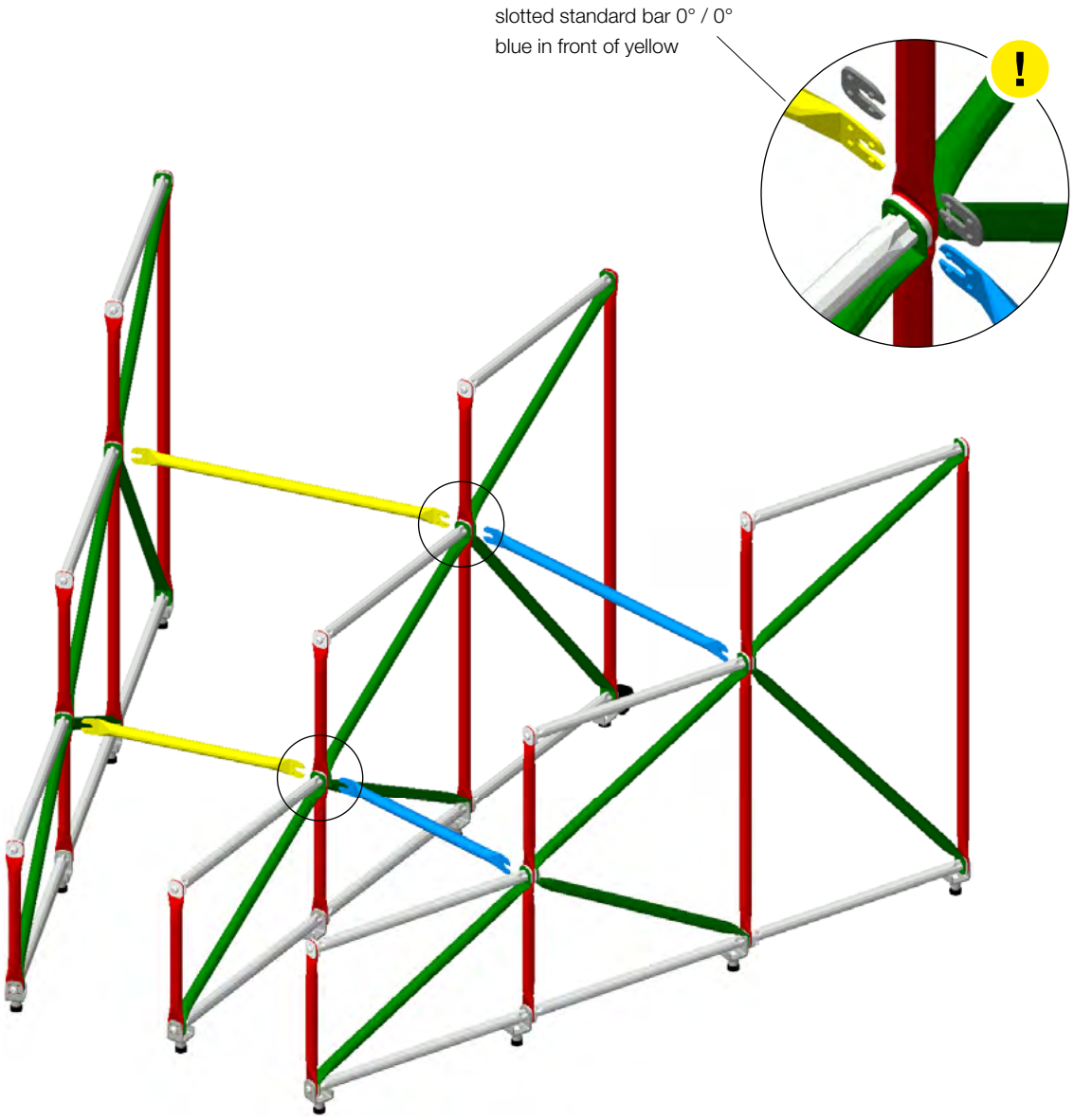
3.10.2 SitUp CE 45

❶ Place the three pre-assembled side component next to each other and loosen the two middle nodes of the inner side component lightly.

! Attention: Do not loosen the screw completely!

❷ Replace the two slotted system washers with the two slotted standard bars 0° / 0°. Tighten the nodes again.

! Attention: The standard bars shown here in blue must be placed in front of the yellow standard bars.



To assemble the Bleachers modul SitUp CE 45 you will need the following tools:
· 5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm

3.10 Bleachers moduls SitUp

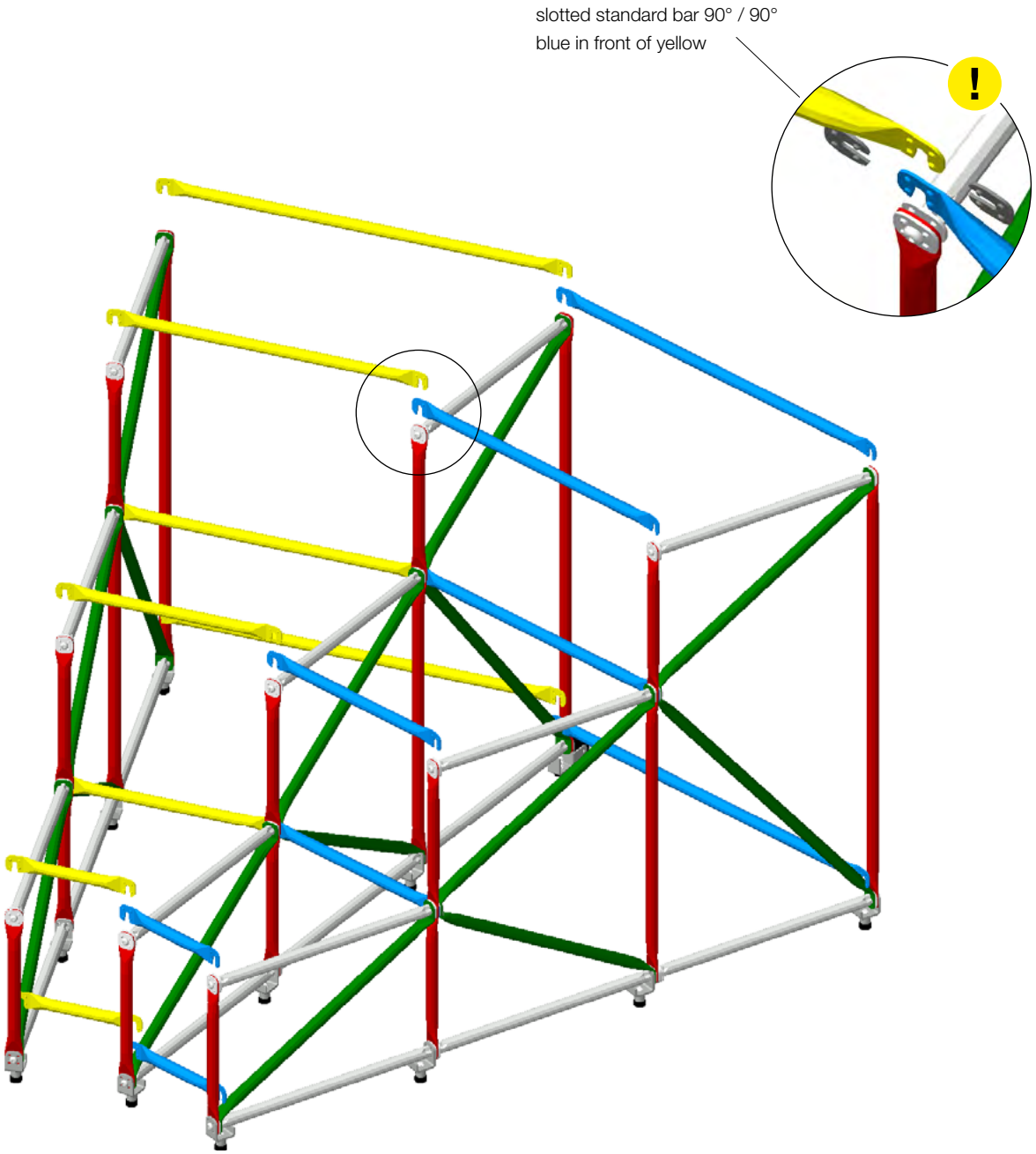
3.10.2 SitUp CE 45

❸ **Now loosen the remaining nodes of the side components slightly, as shown.**

! **Attention: Do not loosen the screw completely!**

❹ **Replace the slotted system washers with the slotted standard bars 90° / 90°. Tighten the nodes again.**

! **Attention: The blue standard bars must be placed in front of the yellow standard bars.**



To assemble the Bleachers modul SitUp CE 45 you will need the following tools:

- **5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm**

3.10 Bleachers moduls SitUp

3.10.2 SitUp CE 45

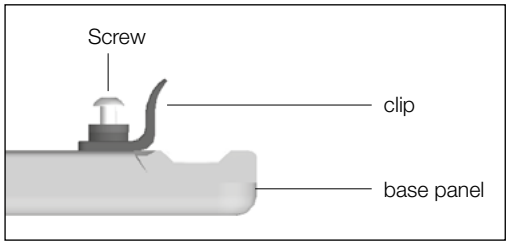
PZ2 Screwdriver

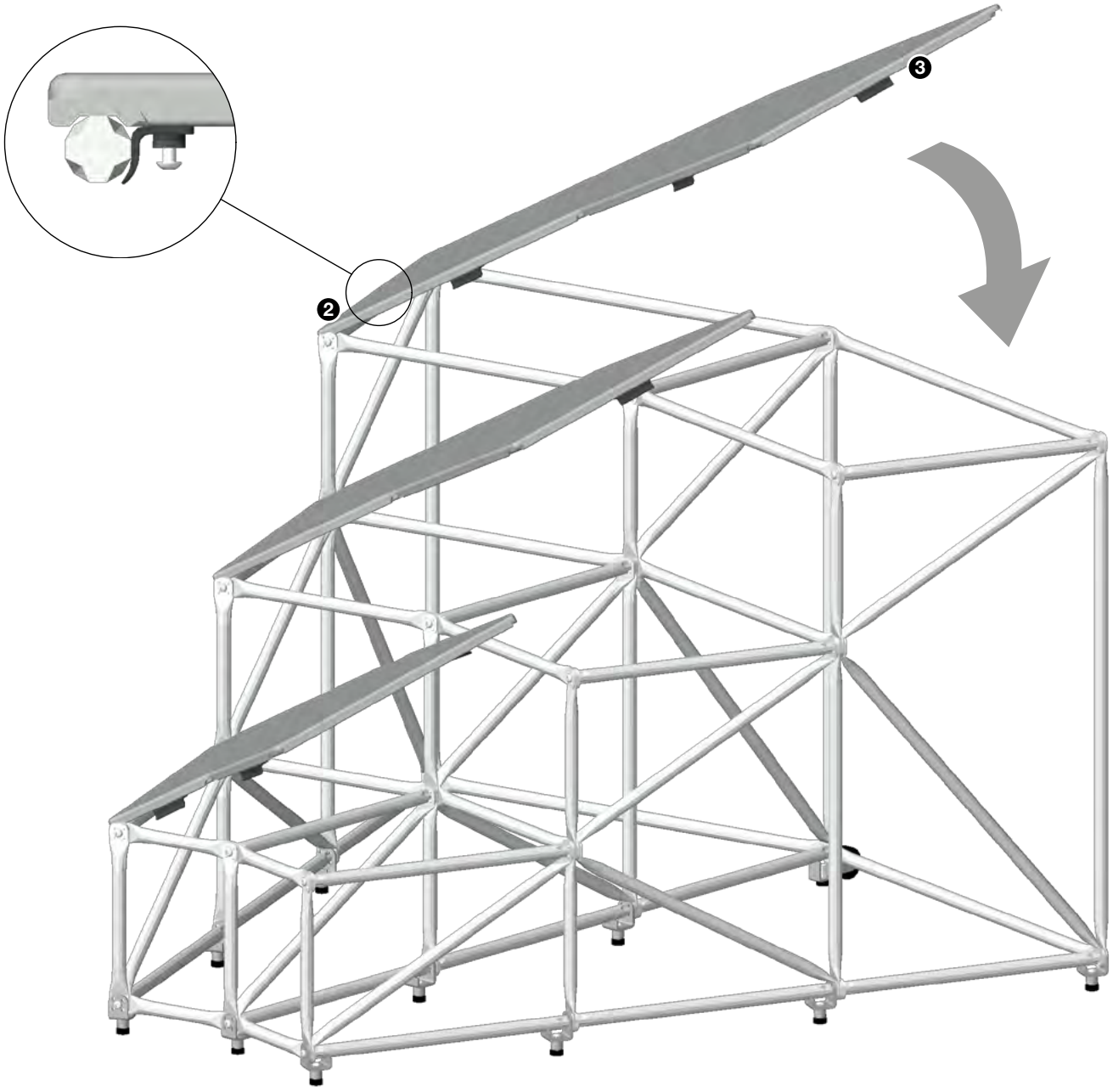
❶ Screw the clips in the appropriate place on the system base panel.

❷ First place one side of the system base panel with the clip on the frame.

❸ Then place the other side of the base panel onto the frame and press it firmly.

❶





3.10 Bleachers moduls SitUp

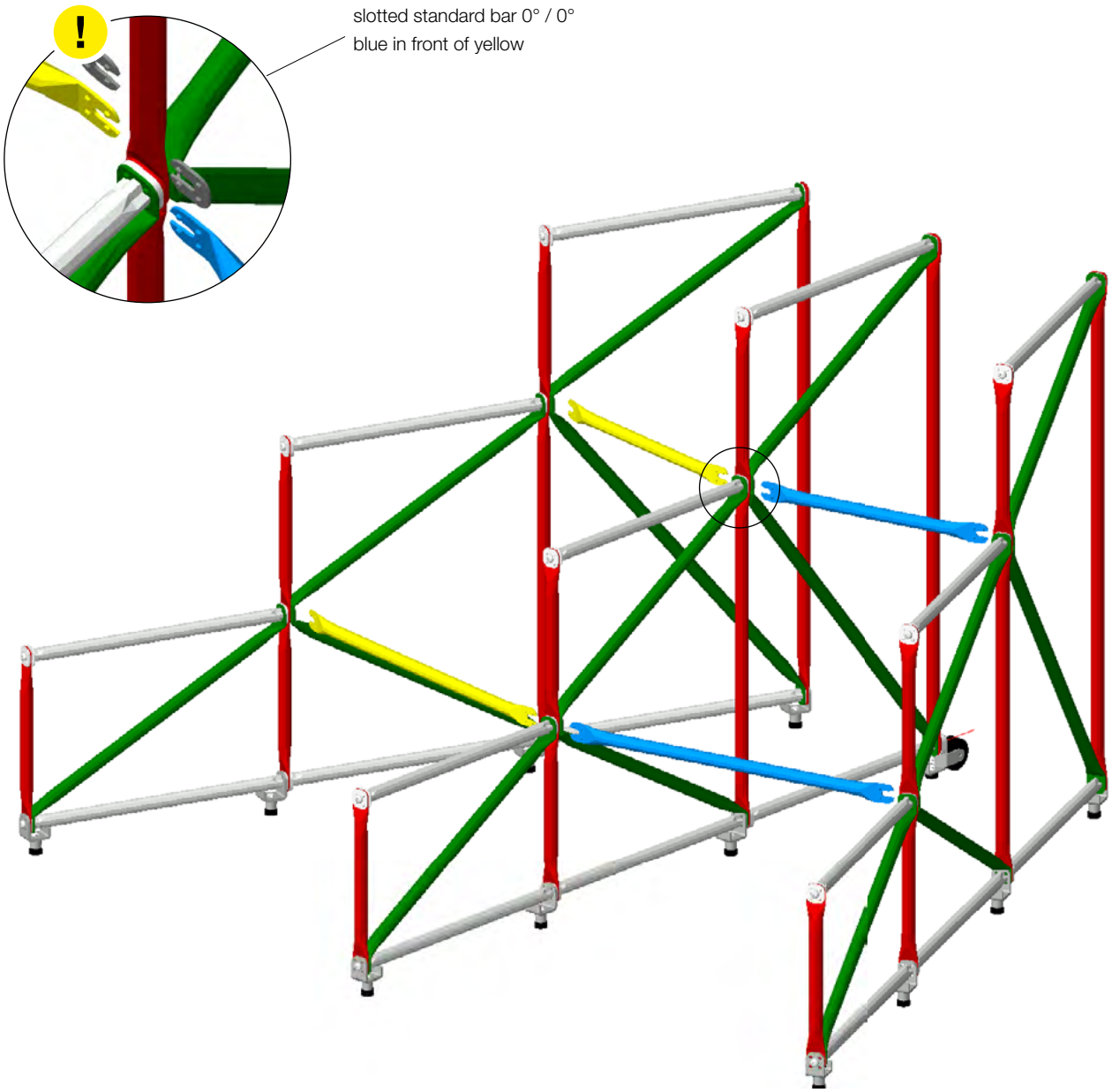
3.10.3 SitUp CX 45

❶ **Place the three pre-assembled side components next to each other and first loosen the middle nodes of the inner side component lightly.**

! **Attention: Do not loosen the screw completely!**

❷ **Replace the two slotted system washers with the two slotted standard bars 0° / 0°. Tighten the nodes again.**

! **Attention: The blue standard bars must be placed in front of the yellow standard bars.**



To assemble the Bleachers modul SitUp CX 45 you will need the following tools:

- **5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm**

3.10 Bleachers moduls SitUp

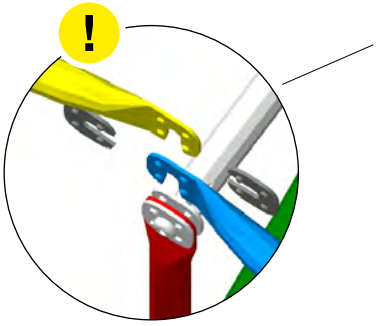
3.10.3 SitUp CX 45

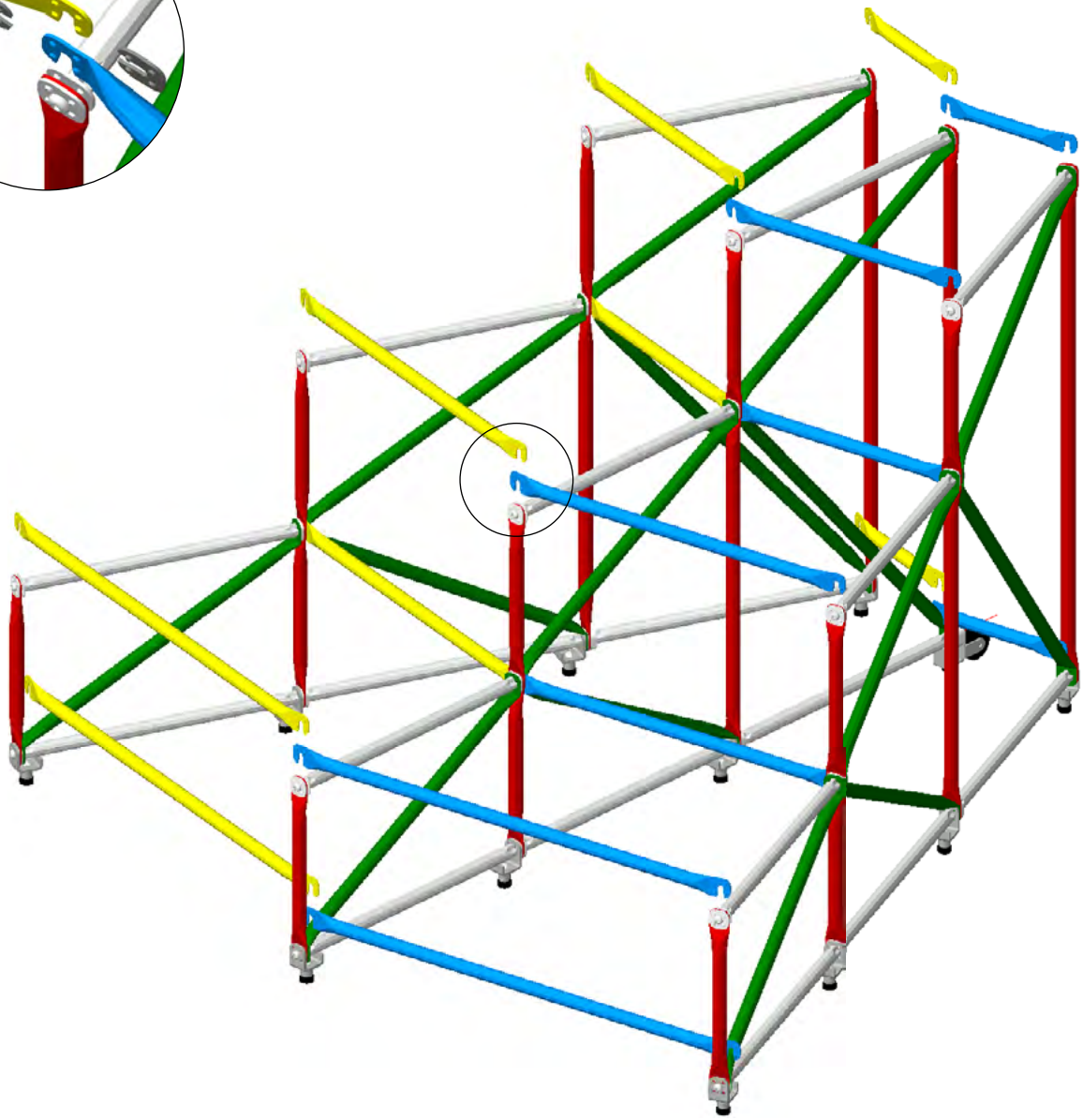
❸ **Now loosen the remaining nodes of the side components slightly, as shown.**

! **Attention: Do not loosen the screw completely!**

❹ **Replace the slotted system washers with the slotted standard bars 90° / 90°. Tighten the nodes again.**

! **Attention: The blue standard bars must be placed in front of the yellow standard bars.**





To assemble the Bleachers modul SitUp CX 45 you will need the following tools:

· **5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm**

3.10 Bleachers moduls SitUp

3.10.3 SitUp CX 45

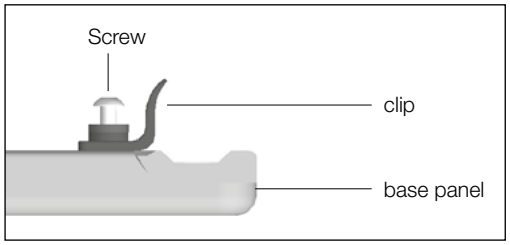
PZ2 Screwdriver

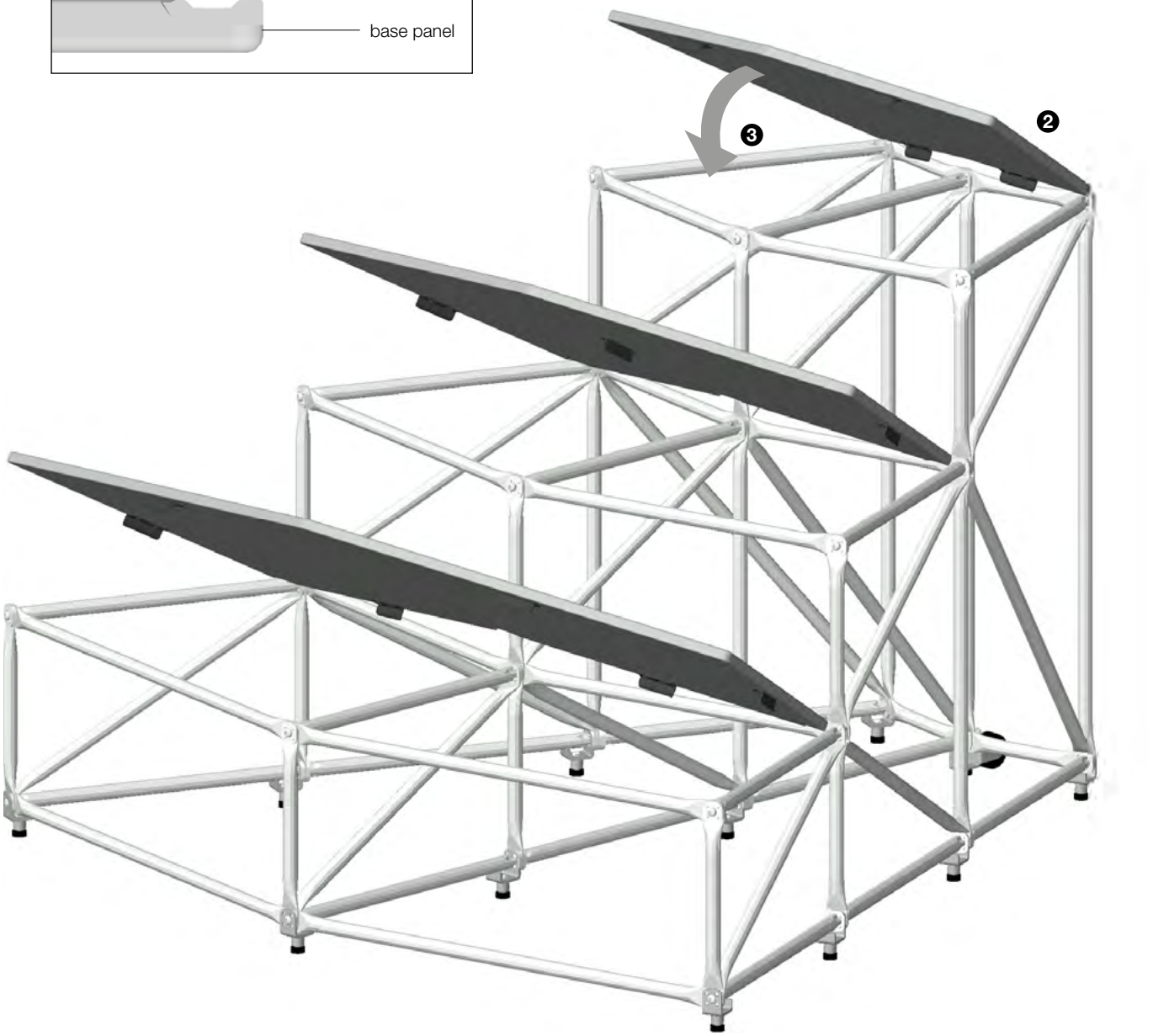
❶ Screw the clips in the appropriate place on the system base panel.

❷ First place one of the clips attached to the system base panel on one side of the rack.

❸ Then fold the base panel onto the frame and press it firmly.

❶





3.11 FlexBoard Pro

3.11.1 FlexRail on the furniture system

! Attention: For mounting the FlexRail, all system nodes must be complete (with decorative knob washers)!

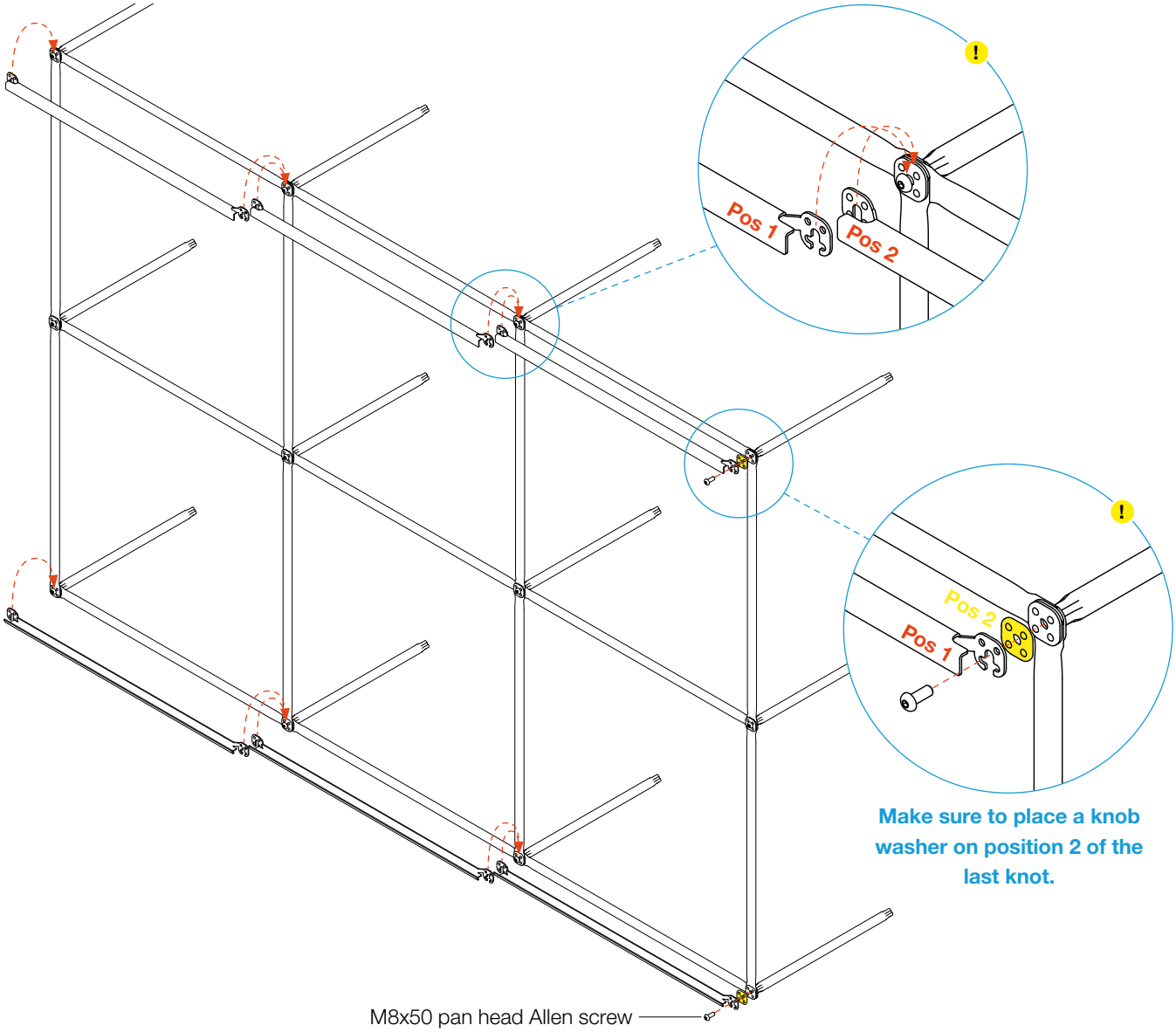
❶ Untighten the nodes to which the rail will be attached about 6 mm.

! Attention: Do not completely release the screws!

❷ Insert the rail from above at the front node position.

! Note: If you have multiple rails in a row, proceed following the roof tile principle. Therefore, the perforated side of the rail always sits on position 1 of the knot and the side with knobs on position 2.
For the last knot, a knobbed washer must be placed at position 2.

❸ Retighten all nodes.



Make sure to place a knob washer on position 2 of the last knot.

To assemble the FlexRail you will need the following tools:
· 5 mm Allen key

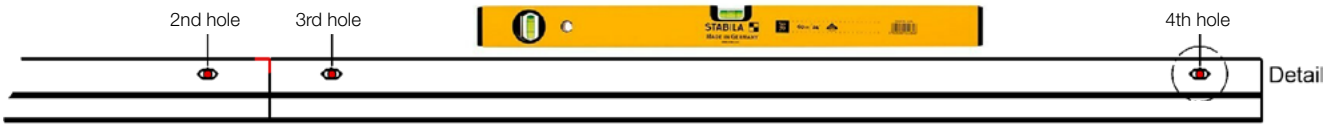
3.11 FlexBoard

3.11.2 WallRail Pro from 2024

❶ To begin with, determine the height and position of the WallRail and mark the first hole (top left)

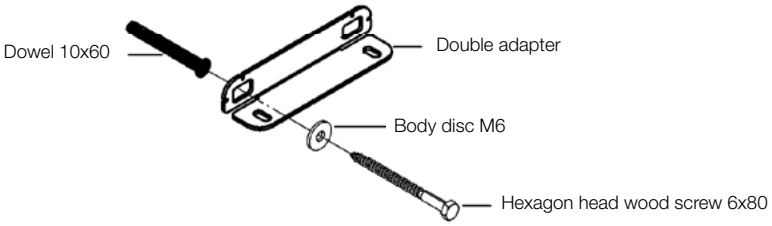
❷ Using the profile and a spirit level/laser, mark the second horizontal hole and the end of the profile.

❸ Move the profile horizontally and mark the remaining holes for the upper profiles in the same way.

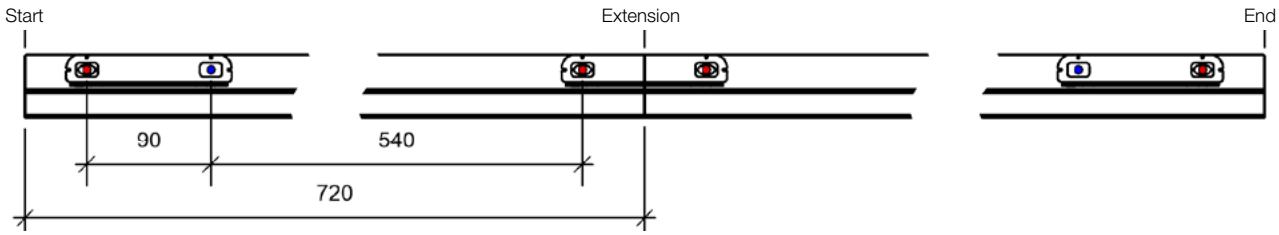


❹ Proceed in the same way to mark the drill holes for the lower profiles, whereby the profiles/drill holes (top/bottom) have a distance of:
S = 720 mm
M = 1080 mm
L = 1440 mm

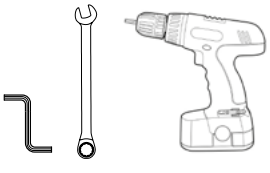
❺ Then drill a hole at the markings to attach the adapter.
❻ Attach the adapters to the wall and align them using a spirit level/laser.



❼ The adapter is mounted inwards at the start and end of the profiles. Alternatively, you can also use the second fixing option •.



You will need the following tools to install the WallRail Pro:
· 10 mm drill
· 10 mm open-end spanner
· 3 mm Allen key



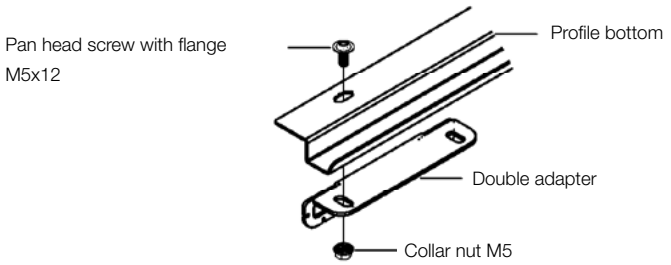
3.11 FlexBoard Pro

3.11.2 WallRail Pro from 2024

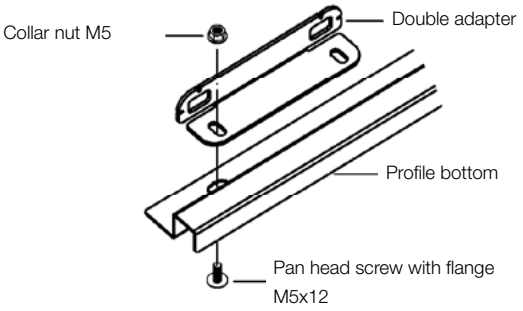
8 Now screw the profiles (bottom/top) to the adapters.

9 Align the profiles (bottom/top) using the slotted holes.

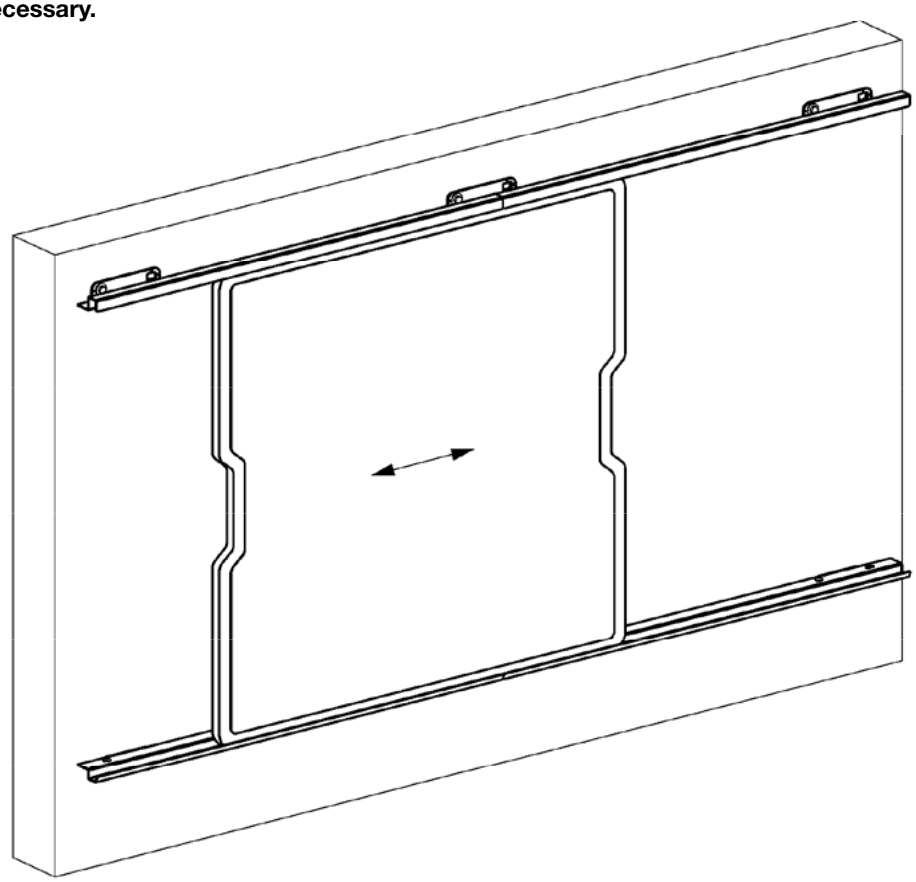
Profile bottom



Profile top



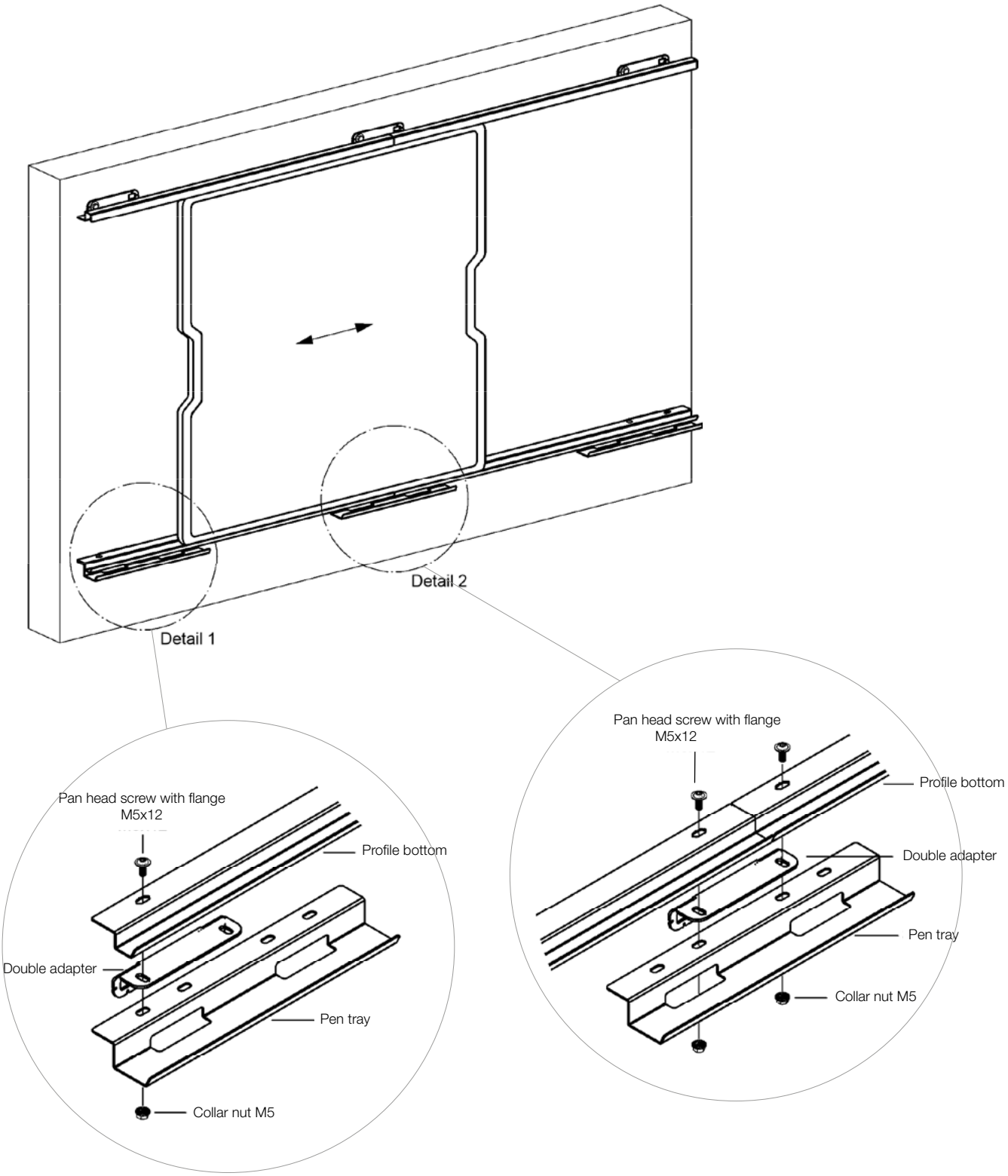
10 Make sure that the FlexBoard can be moved in the profiles (bottom/top) and readjust the adapters or profiles if necessary.



3.11 FlexBoard Pro

3.11.3 WallRail Pro Pen Tray

❶ To mount the pen tray, screw it under the adapter; possible positions are shown in the following illustration.

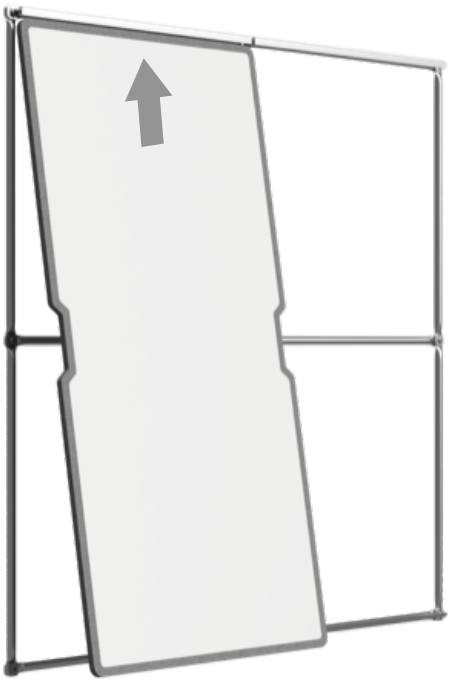


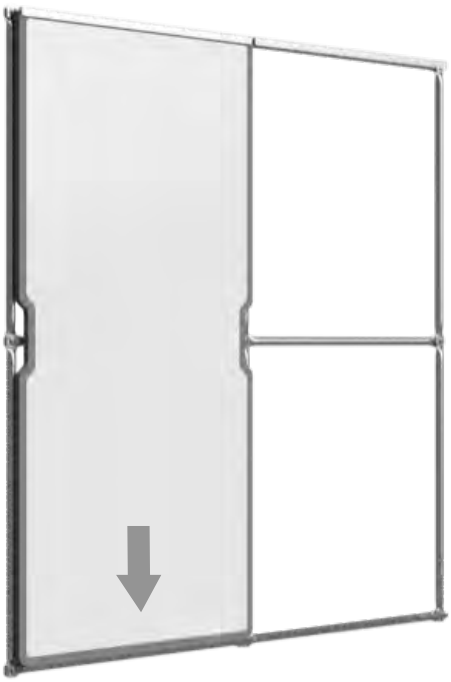
3.11 FlexBoard

3.11.4 Inserting the FlexBoard Pro

❶ First insert the upper side diagonally into the upper rail.

❷ Then fold the board towards the shelf / wall and insert the lower side into the lower rail.





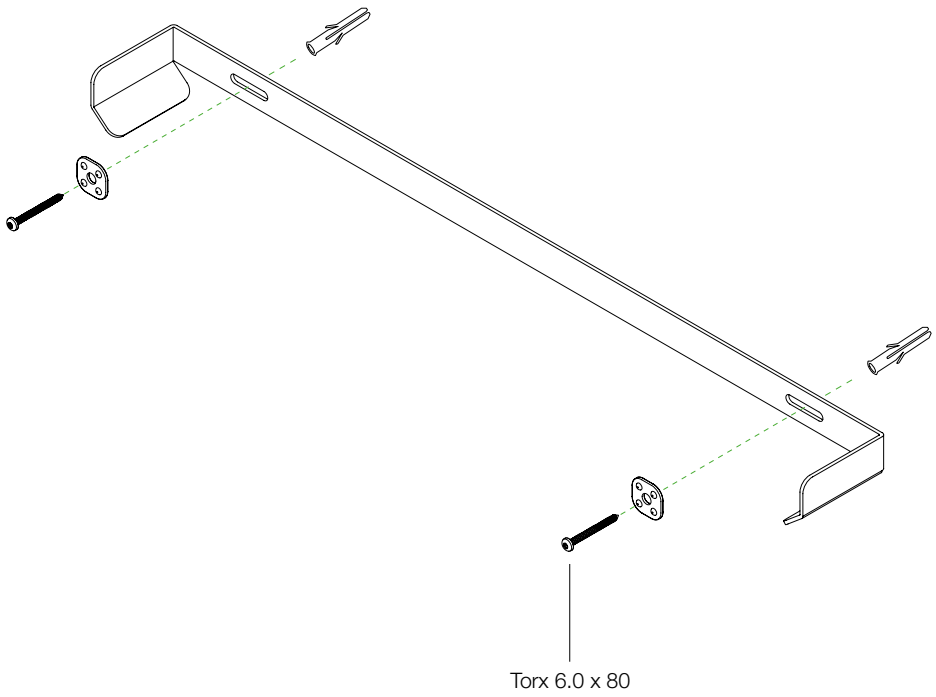
3.11 FlexBoard

3.11.5 Wall mounting bracket FlexBoard Pro

❶ **To attach the wall mounting bracket, mark the desired location on the wall and drill two holes for the dowels.**

❷ **Insert the dowels into the holes on the wall.**

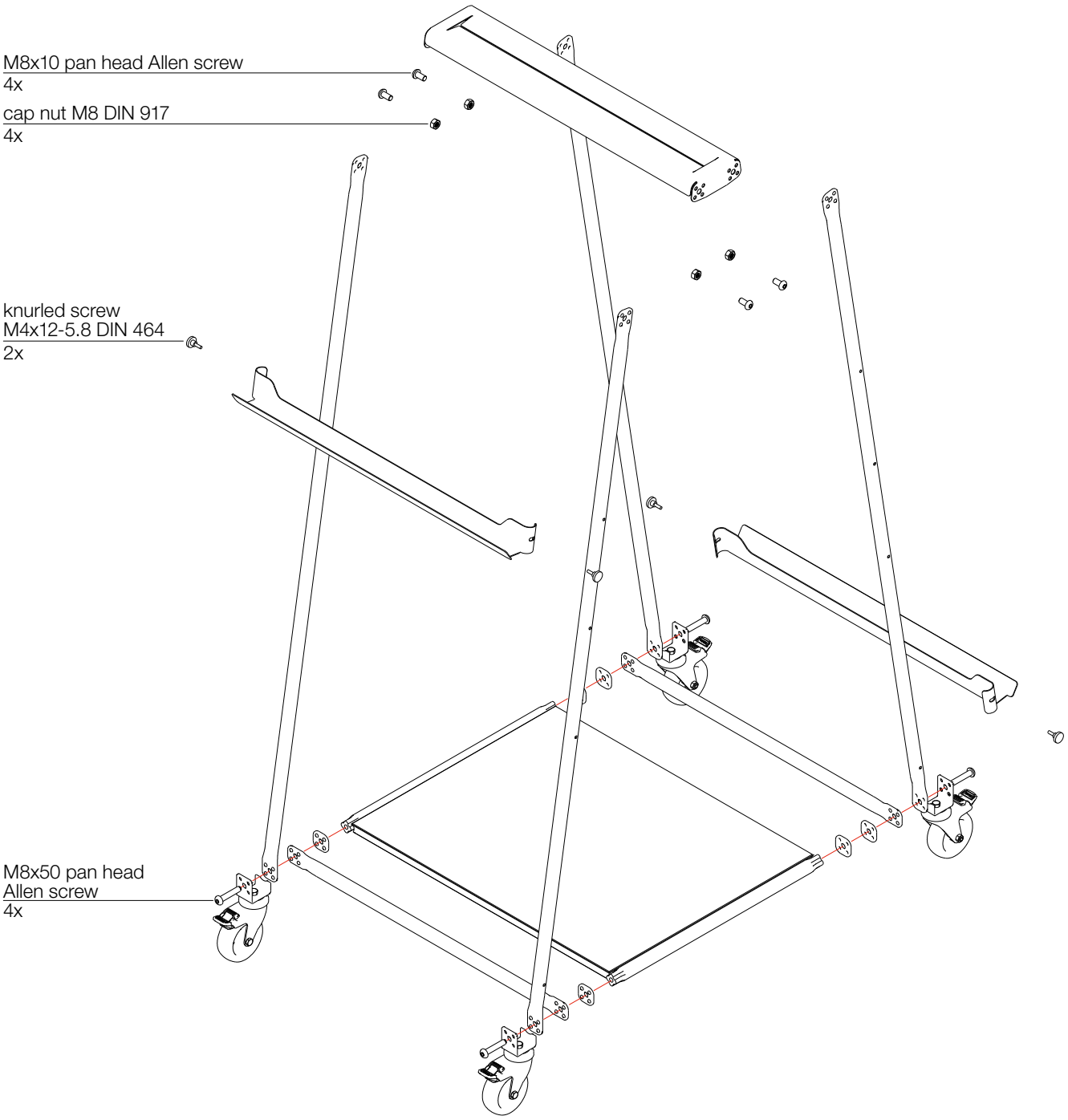
❸ **Screw the bracket in place with a knobbed washer between each screw and bracket.**



To assemble the wall mounting bracket you will need the following tools:
· Torx of 25
· 10 mm rock drill

3.11 FlexBoard

3.11.6 FlexBoard Rack

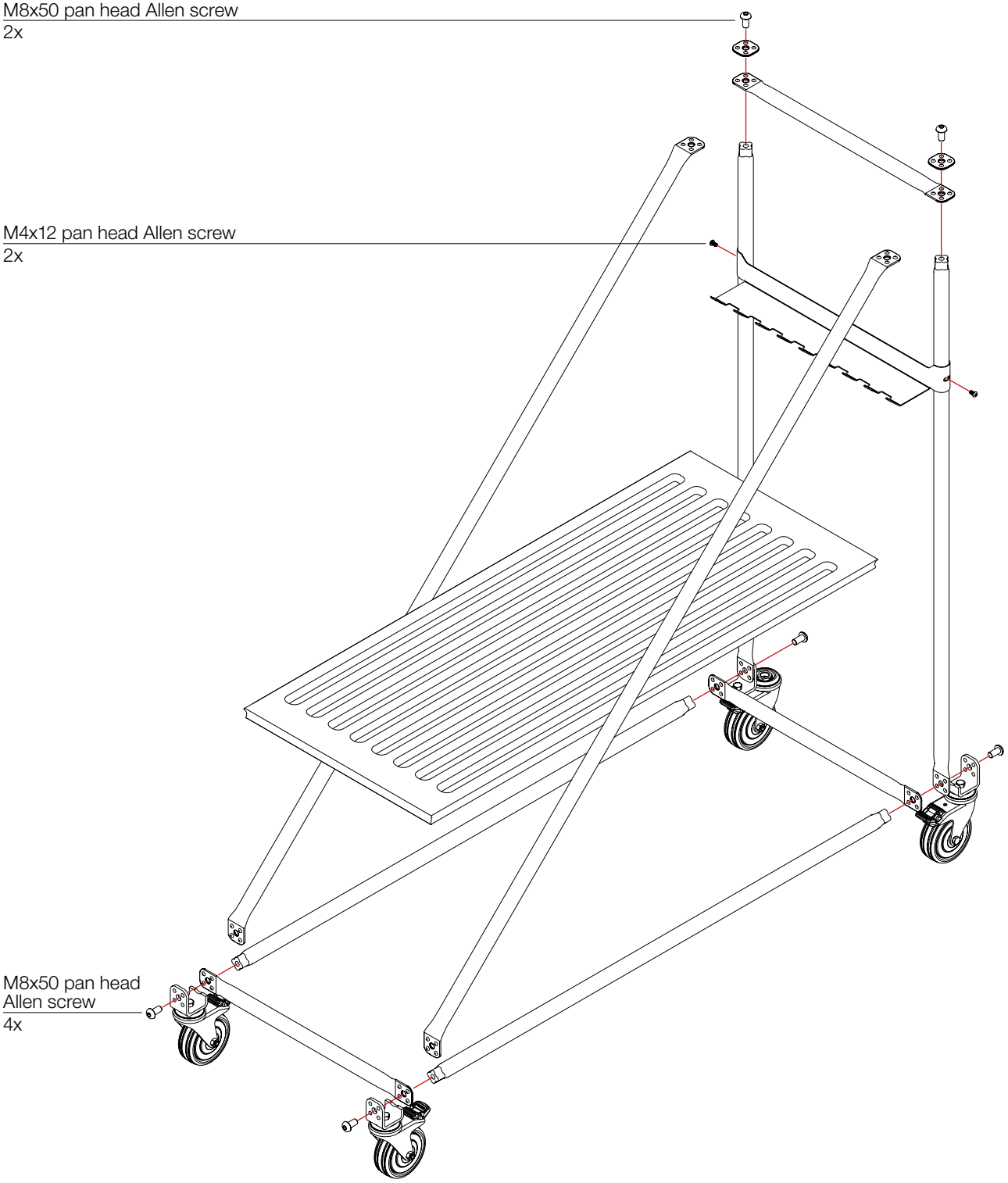


To assemble the FlexBoard Rack you will need the following tools:

· 5 mm Allen key

3.11 FlexBoard

3.11.7 Boardwagon



To assemble the Boardwagon you will need the following tools:

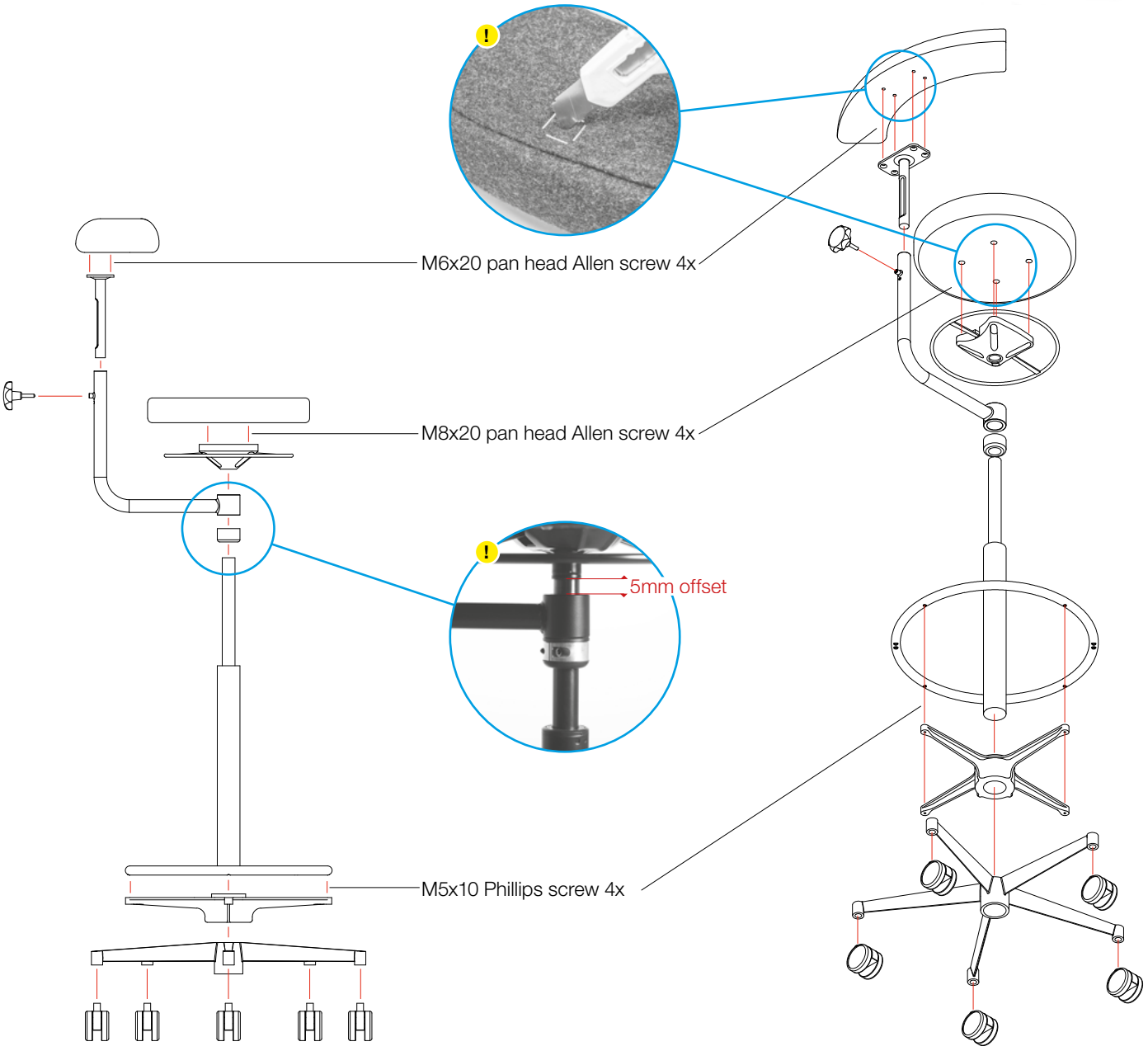
- **5 mm Allen key**
- **2,5 mm Allen key**

3.12 Counter stool High Tool

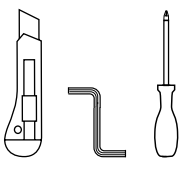
3.12 Counter stool High Tool

For the assembly of the stool you simply put all the single parts onto each other as shown. Start at the bottom with the rollers and work your way up. The footrest, seat cushion and backrest are attached to their mounting points from below with screws. Place the backrest centrally on the mounting.

! The positions of the threads on the cushion‘s undersides are framed with brackets. These must be cut in before the screws can be screwed in.

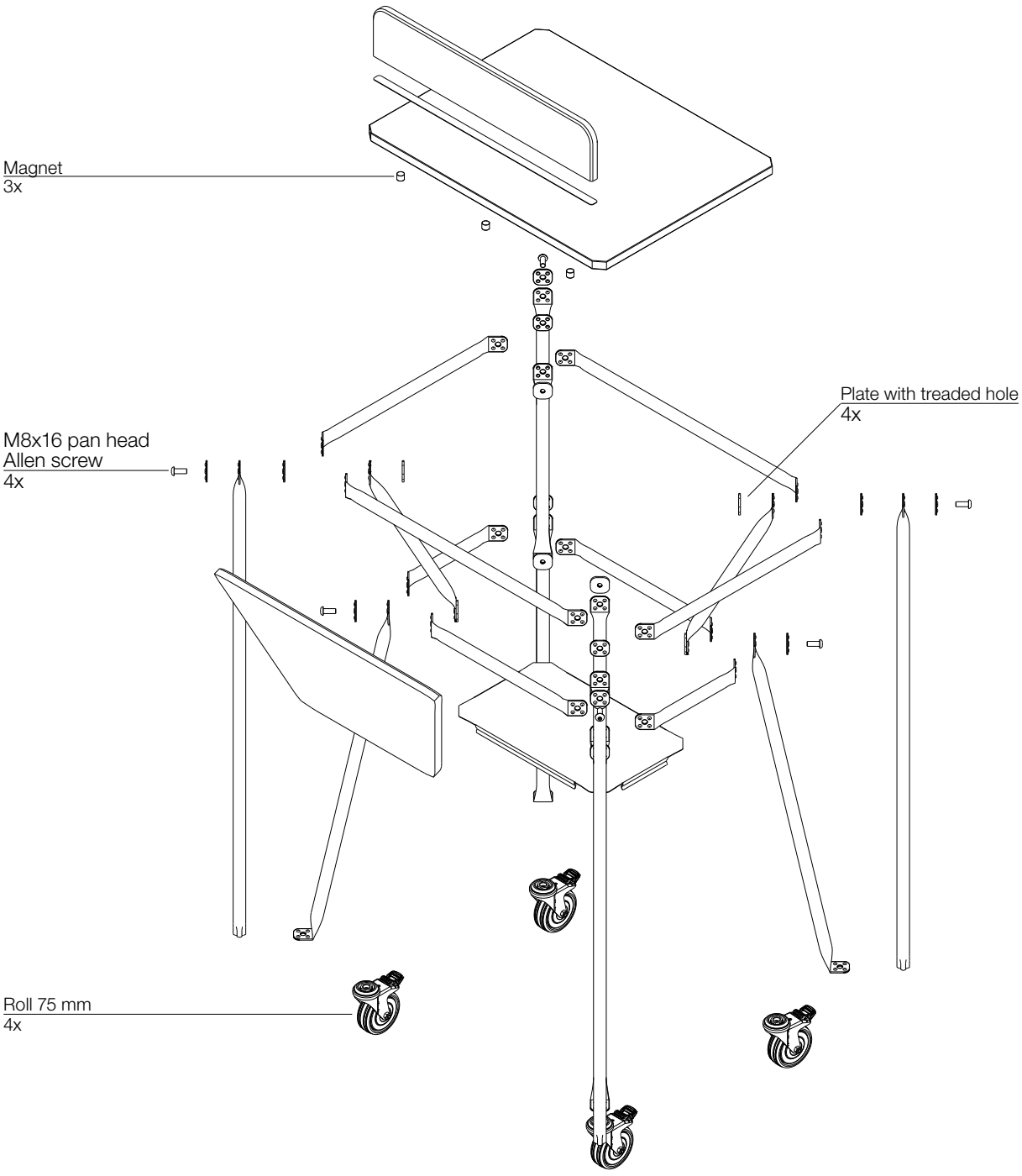


To assemble the stool you will need the following tools:
- **5 mm Allen key**
- **4 mm Allen key**
- **Phillips screwdriver**
- **cutter/knife**



3.13 SpeakerDesk

3.13 SpeakerDesk



To assemble the SpeakerDesk you will need the following tools:

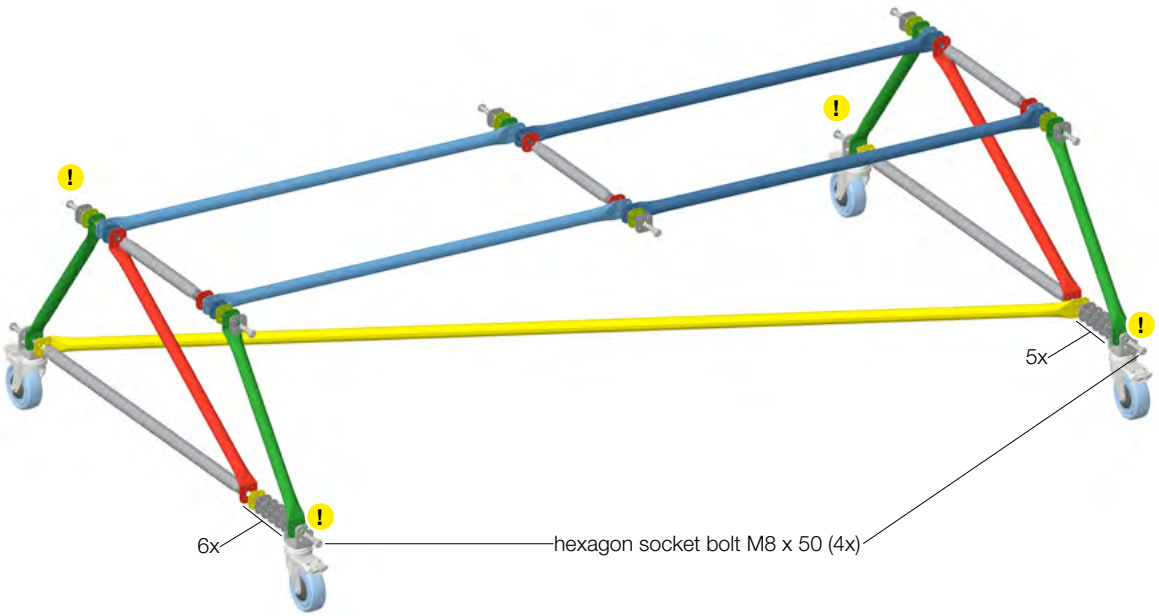
· 5 mm Allen key

3.14 PartiLine

3.14.1 PartiLine base frame

Above the base frame, continue building following the standard principle (as shown on pages 7-11).

! Attention: The screws for fastening the castors are coated with a screw lock or need to be applied with a screw lock (e.g. Loctite 270).

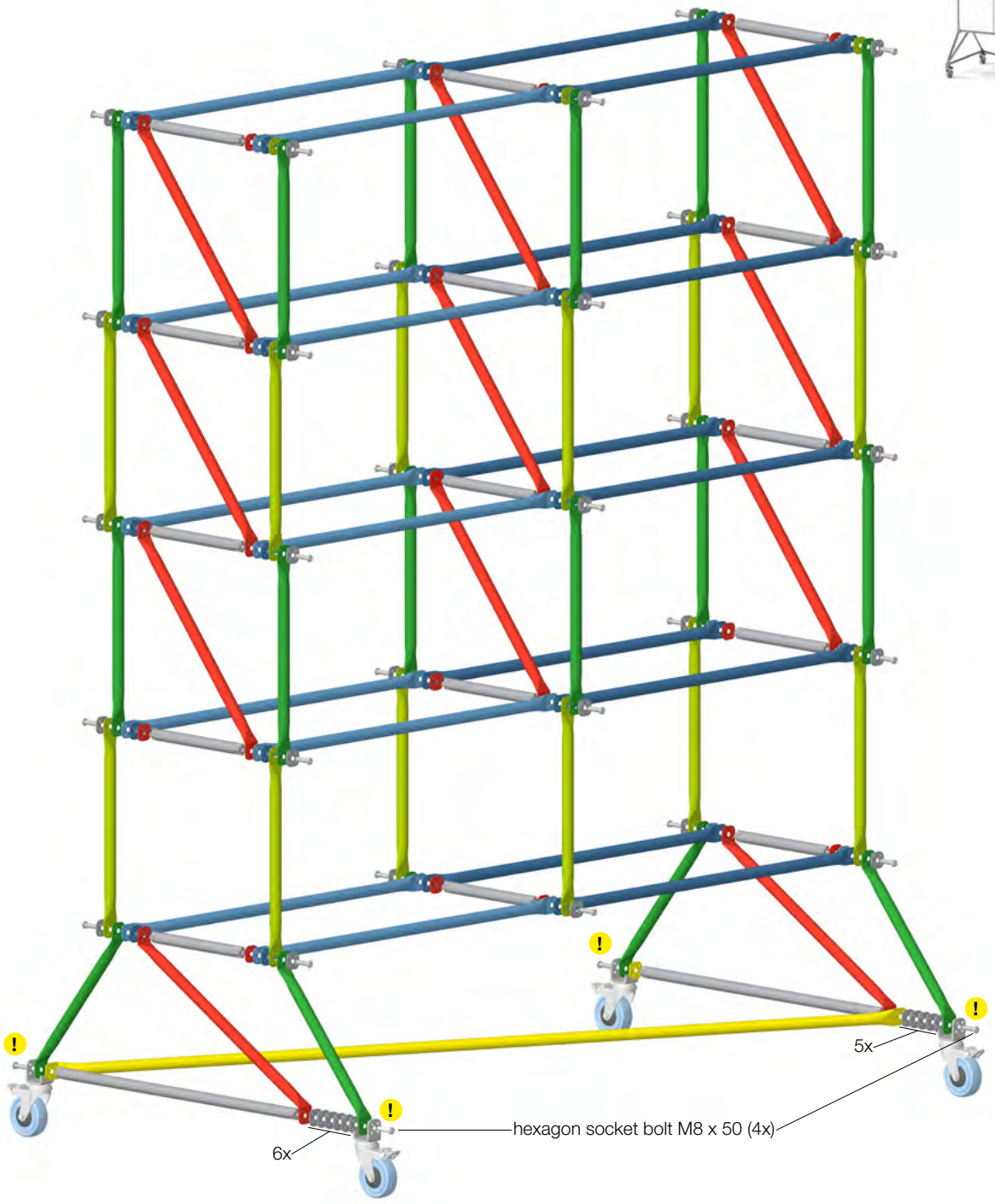


To assemble the PartiLine base frame you will need the following tools:
· 5 mm Allen key

3.14 PartiLine

3.14.2 OpenParti

! Attention: The screws for fastening the castors are coated with a screw lock or need to be applied with a screw lock (e.g. Loctite 270).

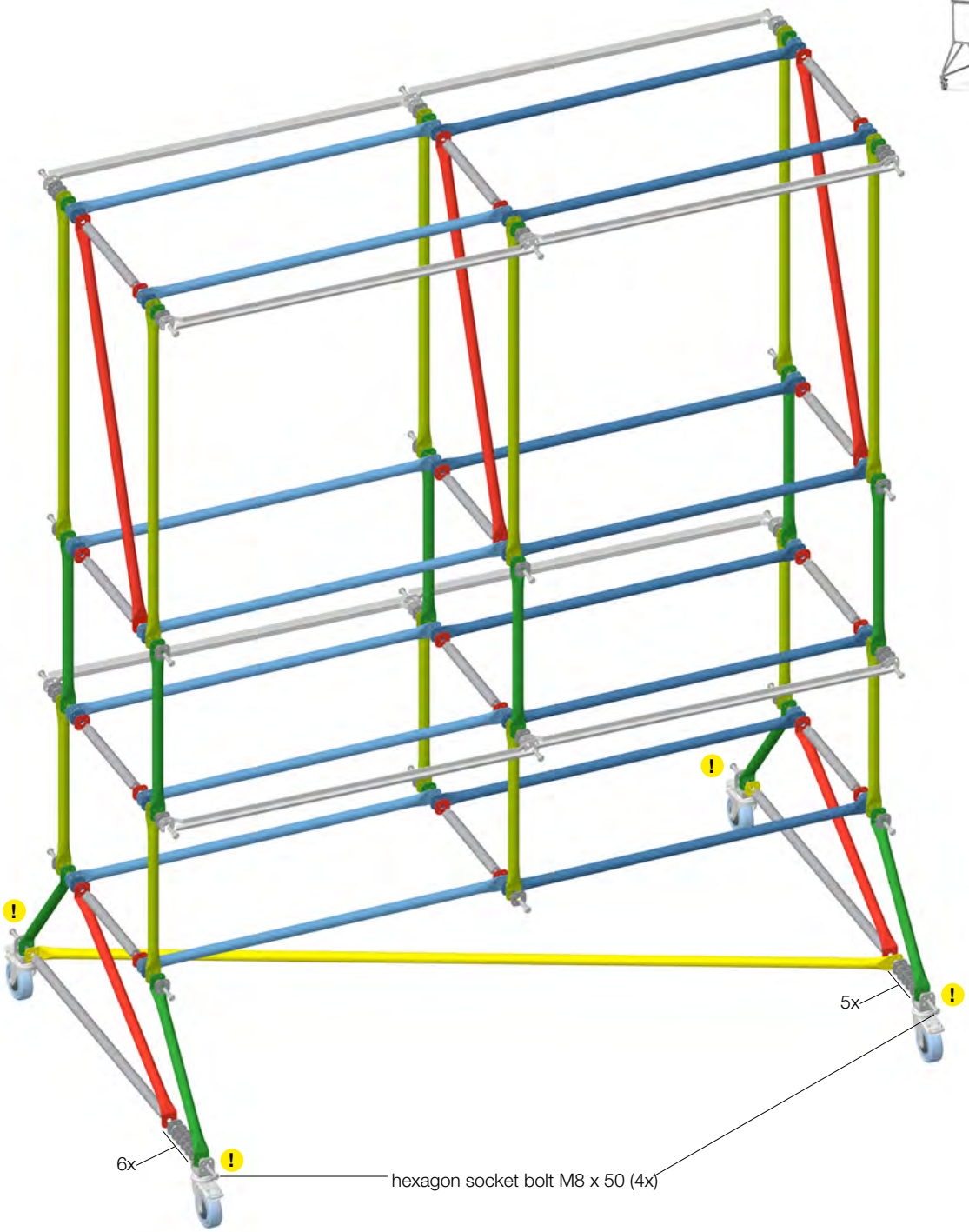


To assemble the OpenParti you will need the following tools:
· 5 mm Allen key

3.14 PartiLine

3.14.3 CreativeParti

! Attention: The screws for fastening the castors are coated with a screw lock or need to be applied with a screw lock (e.g. Loctite 270). When attaching the FlexRails, follow the ROOF TILE PRINCIPLE (as shown on page 126).

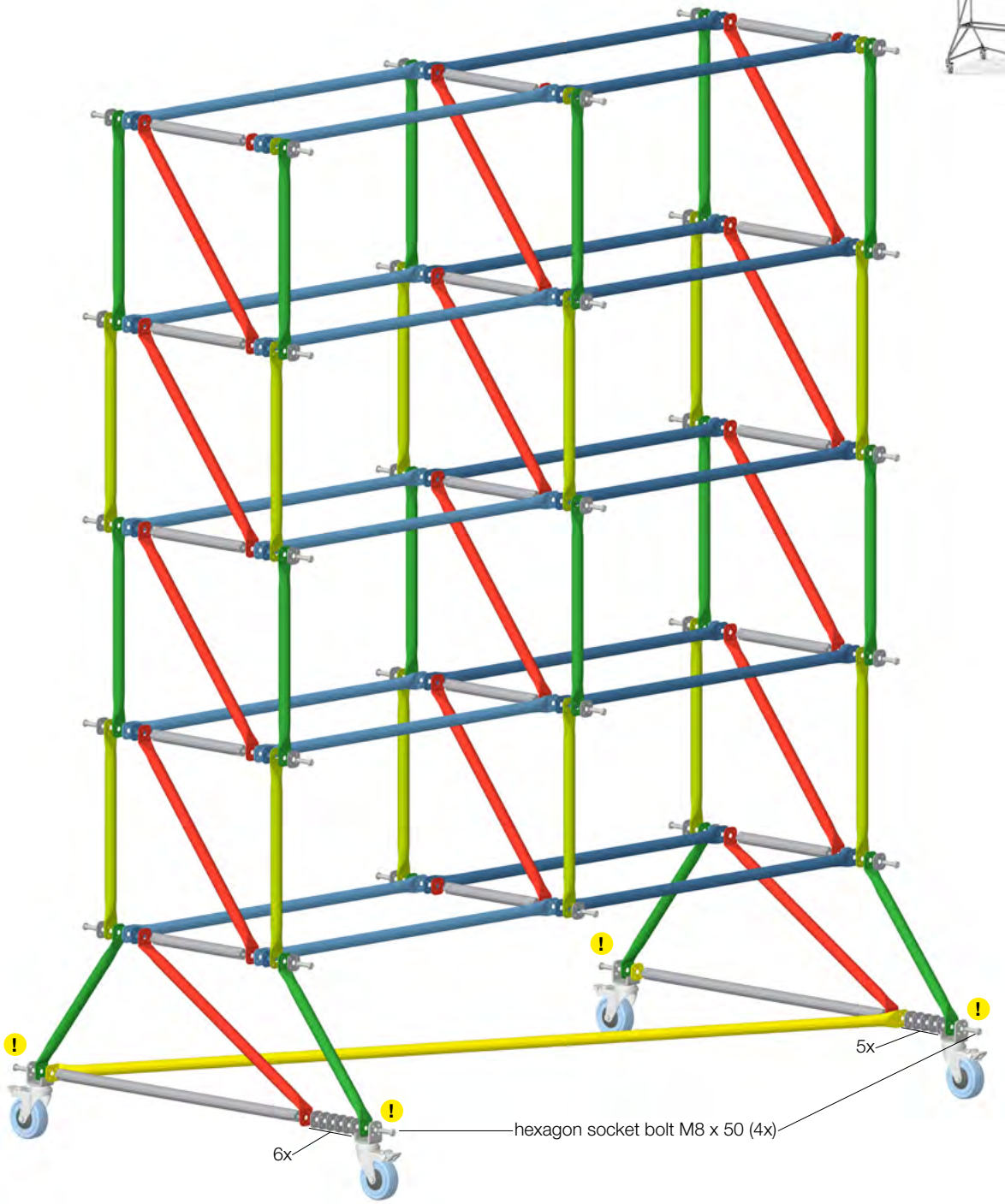


To assemble the CreativeParti you will need the following tools:
· 5 mm Allen key

3.14 PartiLine

3.14.4 GardenParti

! Attention: The screws for fastening the castors are coated with a screw lock or need to be applied with a screw lock (e.g. Loctite 270).



To assemble the GardenParti you will need the following tools:
· 5 mm Allen key

3.14 PartiLine

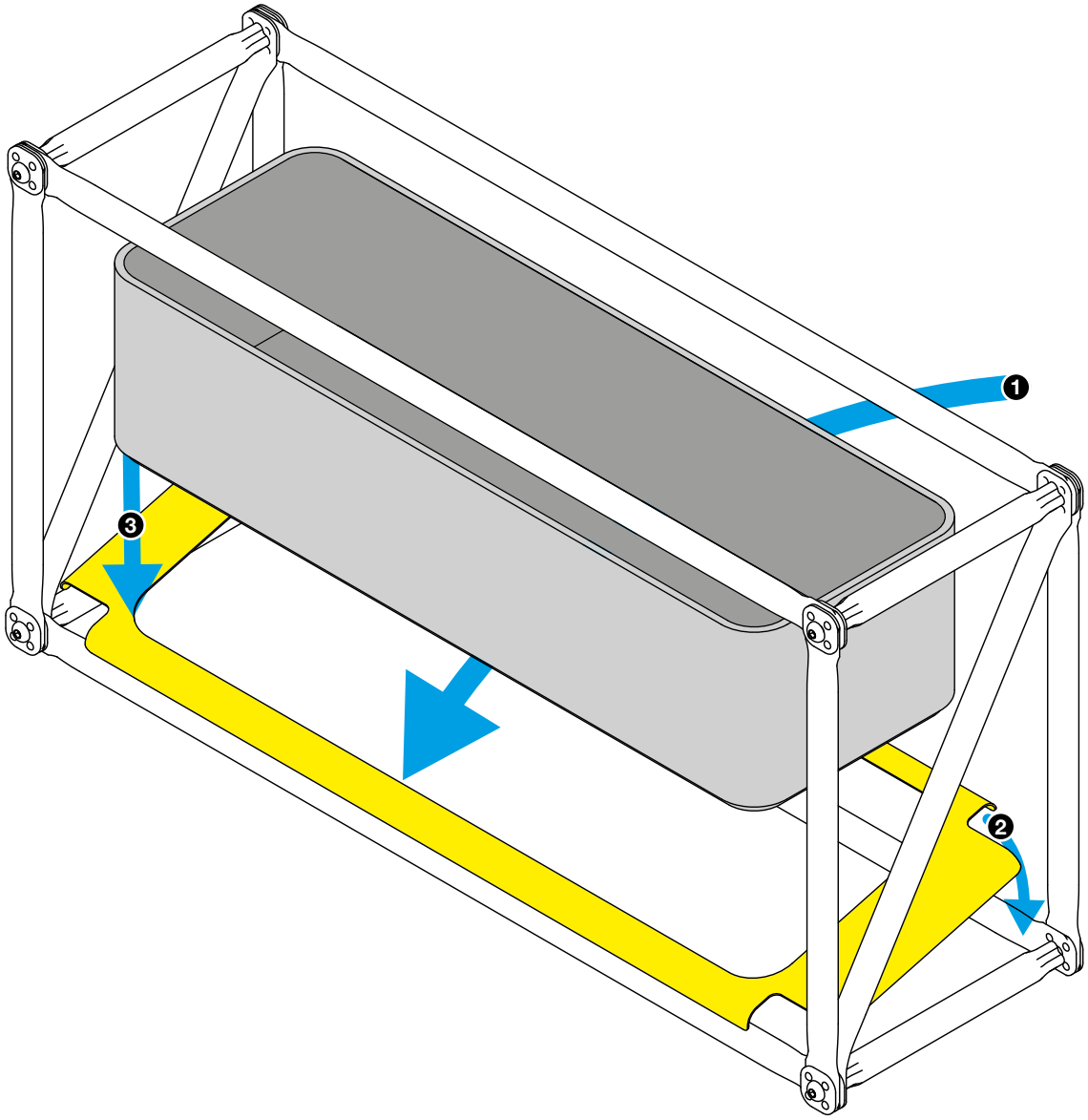
3.14.4 GardenParti plant boxes

❶ **Insert the mounting plate into the frame by slightly tilting it.**

❷ **Lay the mounting plate down on the bar.**

❸ **Place the plant box onto the designated notch of the mounting plate.**

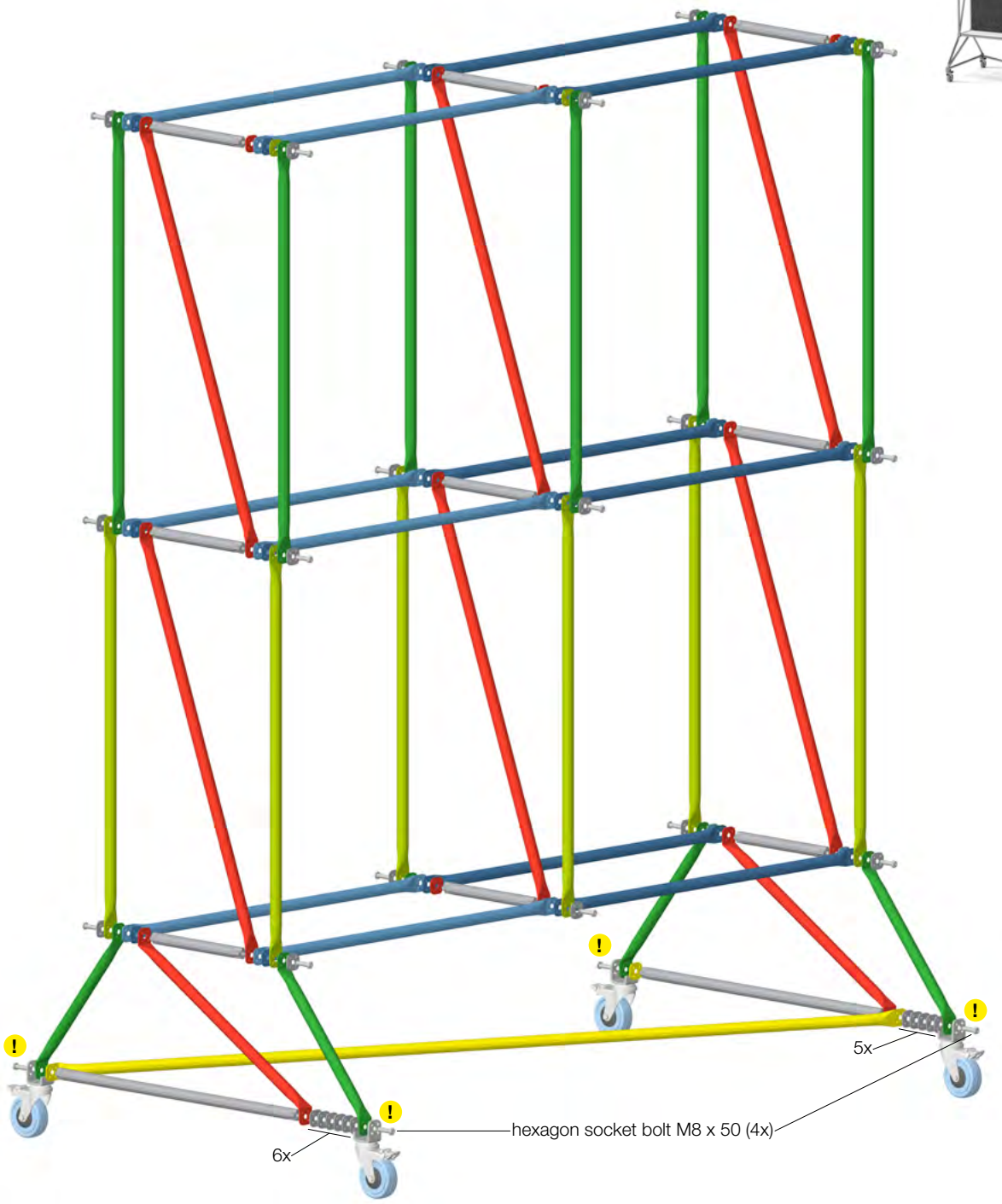
! **Note: Due to the side diagonals, you need to insert the plate from the back, while holding it tilted.**



3.14 PartiLine

3.14.5 QuietParti

! Attention: The screws for fastening the castors are coated with a screw lock or need to be applied with a screw lock (e.g. Loctite 270).

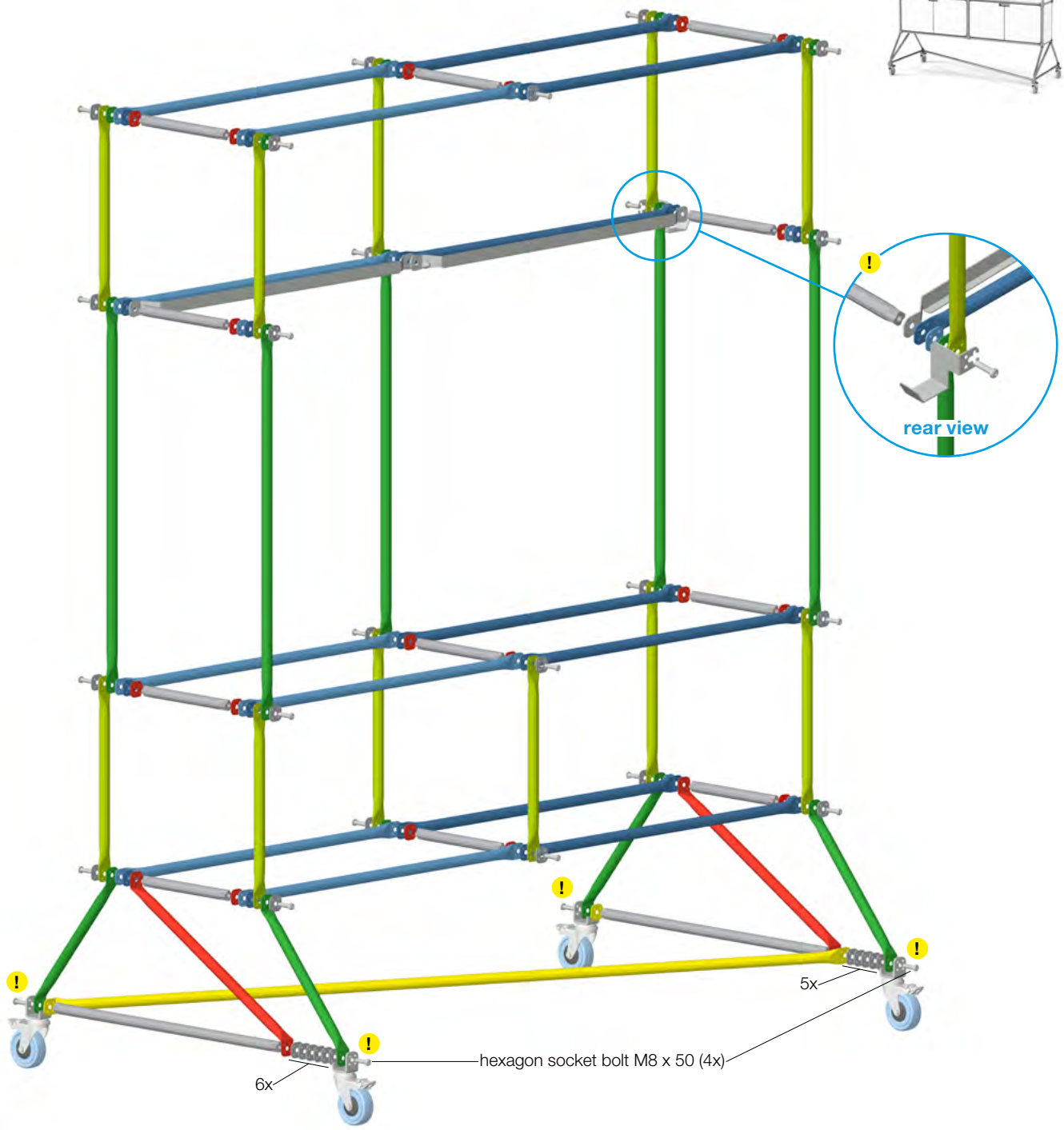


To assemble the QuietParti you will need the following tools:
· 5 mm Allen key

3.14 PartiLine

3.14.6.1 RemoteParti

! Attention: The screws for fastening the castors are coated with a screw lock or need to be applied with a screw lock (e.g. Loctite 270).

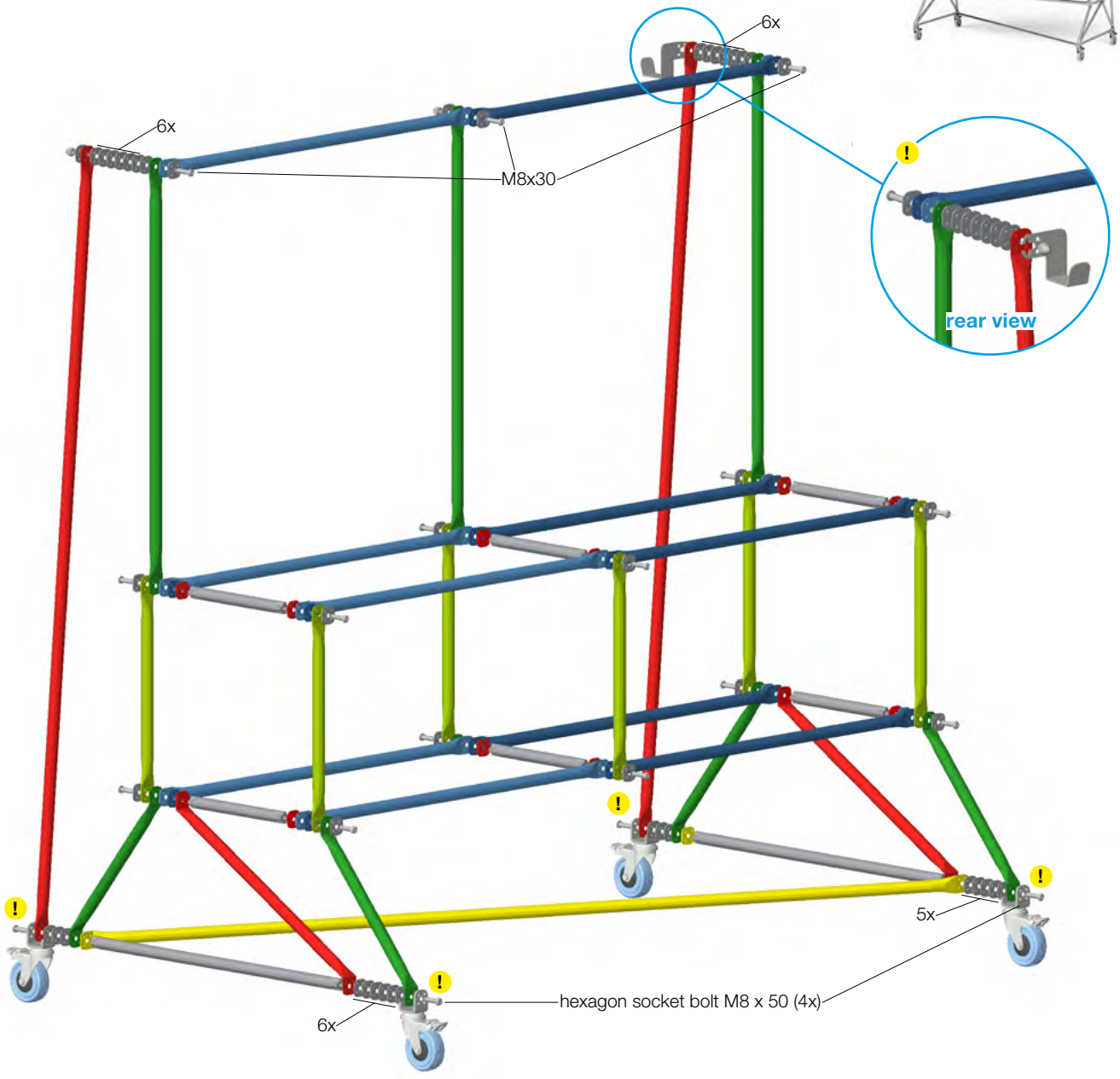


To assemble the RemoteParti you will need the following tools:
· 5 mm Allen key

3.14 PartiLine

3.14.6.2 RemoteParti Pro

! Attention: The screws for fastening the castors are coated with a screw lock or need to be applied with a screw lock (e.g. Loctite 270).



To assemble the RemoteParti Pro you will need the following tools:
· 5 mm Allen key
· 13 mm wrench

3.14 PartiLine

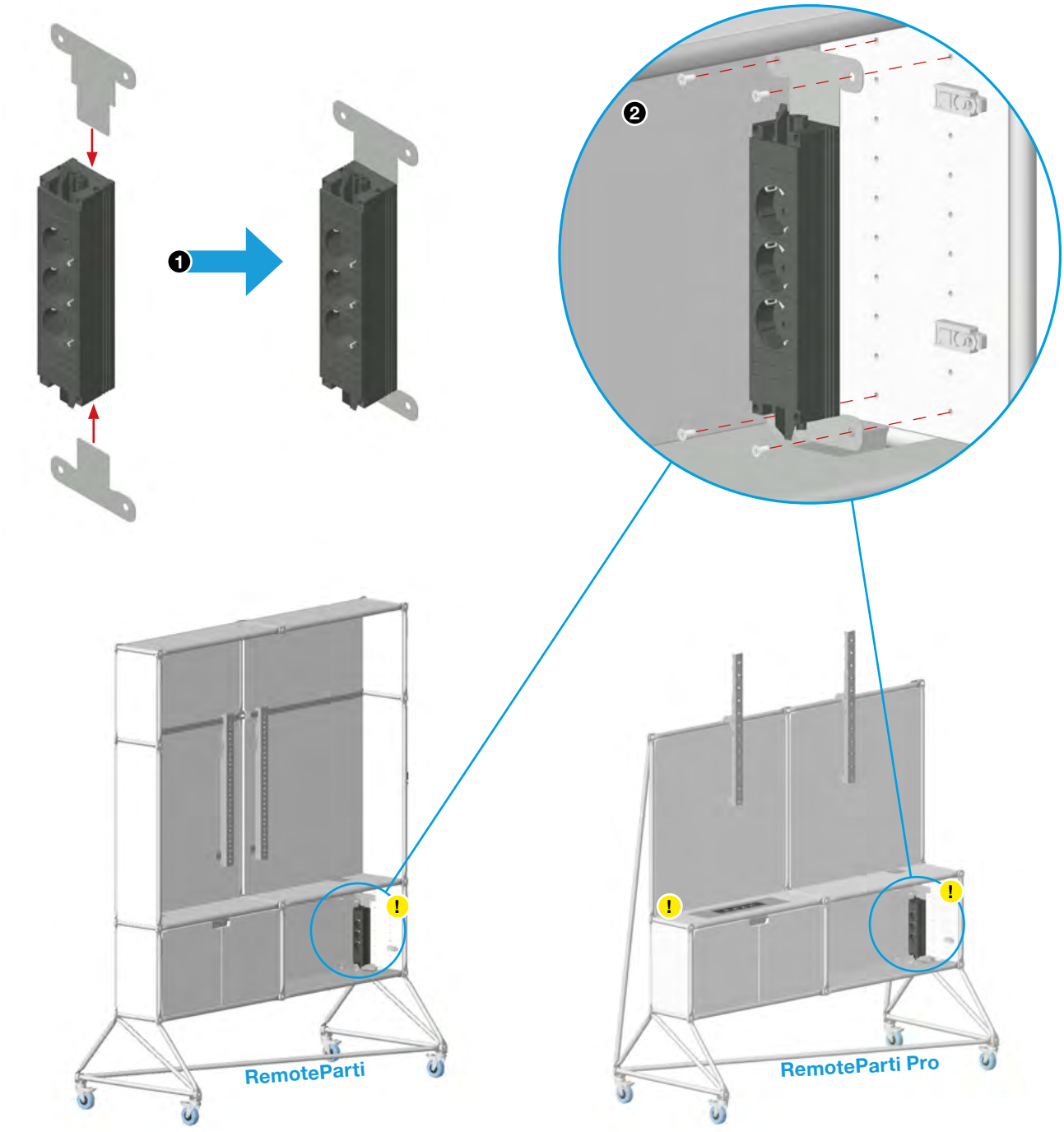
3.14.6.3 RemoteParti (Pro) power strip installation

❶ **Fit the mounting plates on both sides of the power strip.**

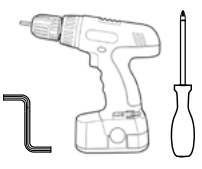
❷ **Screw the power strip to the matching holes as shown.**

! **Note: The RemoteParti Pro is additionally equipped with a Device insert.**

! **Note: It is recommended to remove the doors to simplify the installation of the power strip.**



To install the power strip you will need the following tools:
· 5 mm Allen key
· Phillips screwdriver



3.14 PartiLine

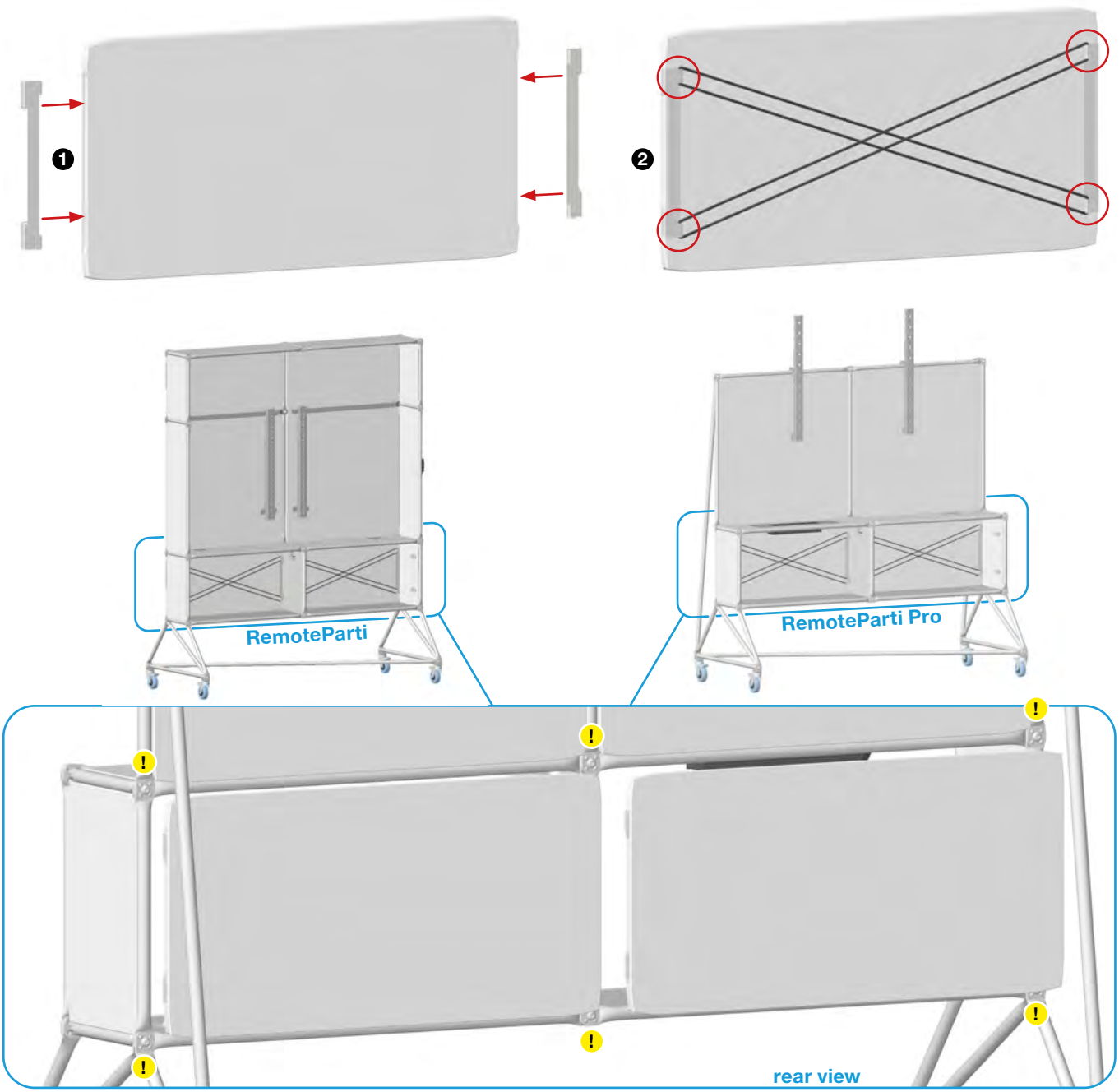
3.14.6.4 RemoteParti (Pro) cable management installation

! Note: To install the cable management, the system base panel has to be removed. To do this, loosen the relevant system nodes first.

❶ Fit the cable holders into the holes on both sides of the system rear panel.

❷ Clamp the rubber band over the holders.

❸ Insert the system rear panel again. (For cable management, see page 62)



To install the cable management you will need the following tools:
· 5 mm Allen key

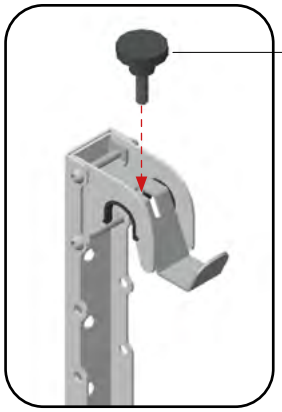
3.14 PartiLine

3.14.7.1 TV mountig rail for RemoteParti (Pro) / TV-Stand

! Note: The configuration of the TV mounting rail depends on the product to which you are attaching the TV.

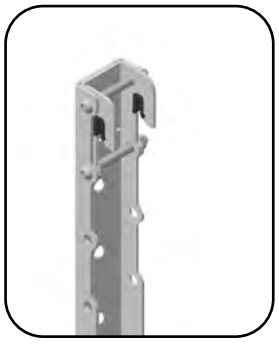
To install the TV mounting rail, follow the assembly schematic shown.

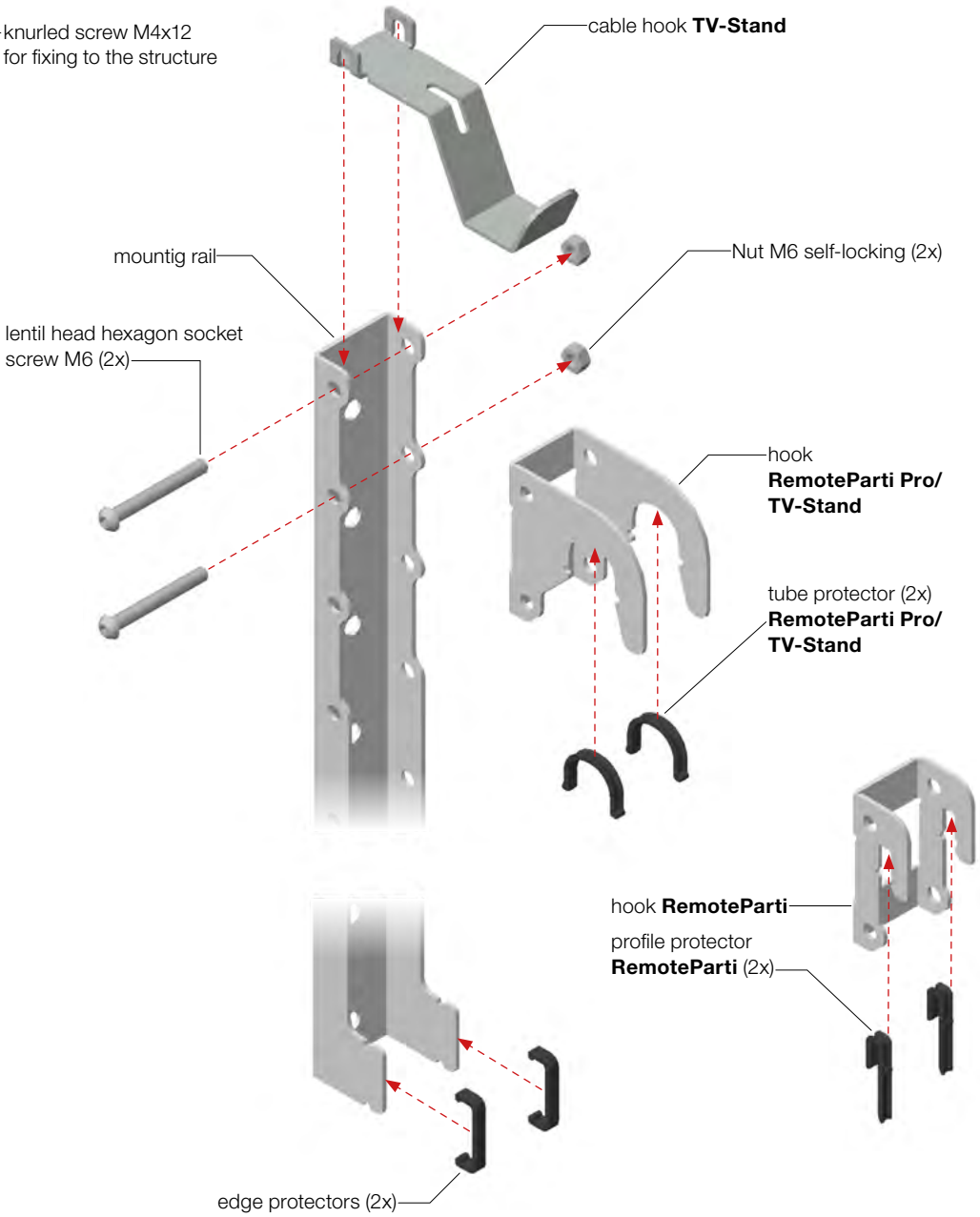
❶ TV-Stand



❷ RemoteParti PRO

❸ RemoteParti





To install the mounting rail you will need the following tools:

· 5 mm Inbus

3.14 PartiLine

3.14.7.2 Attaching TV to mounting rail

Select the appropriate parts according to the mounting points of your TV set:

A) Tubes

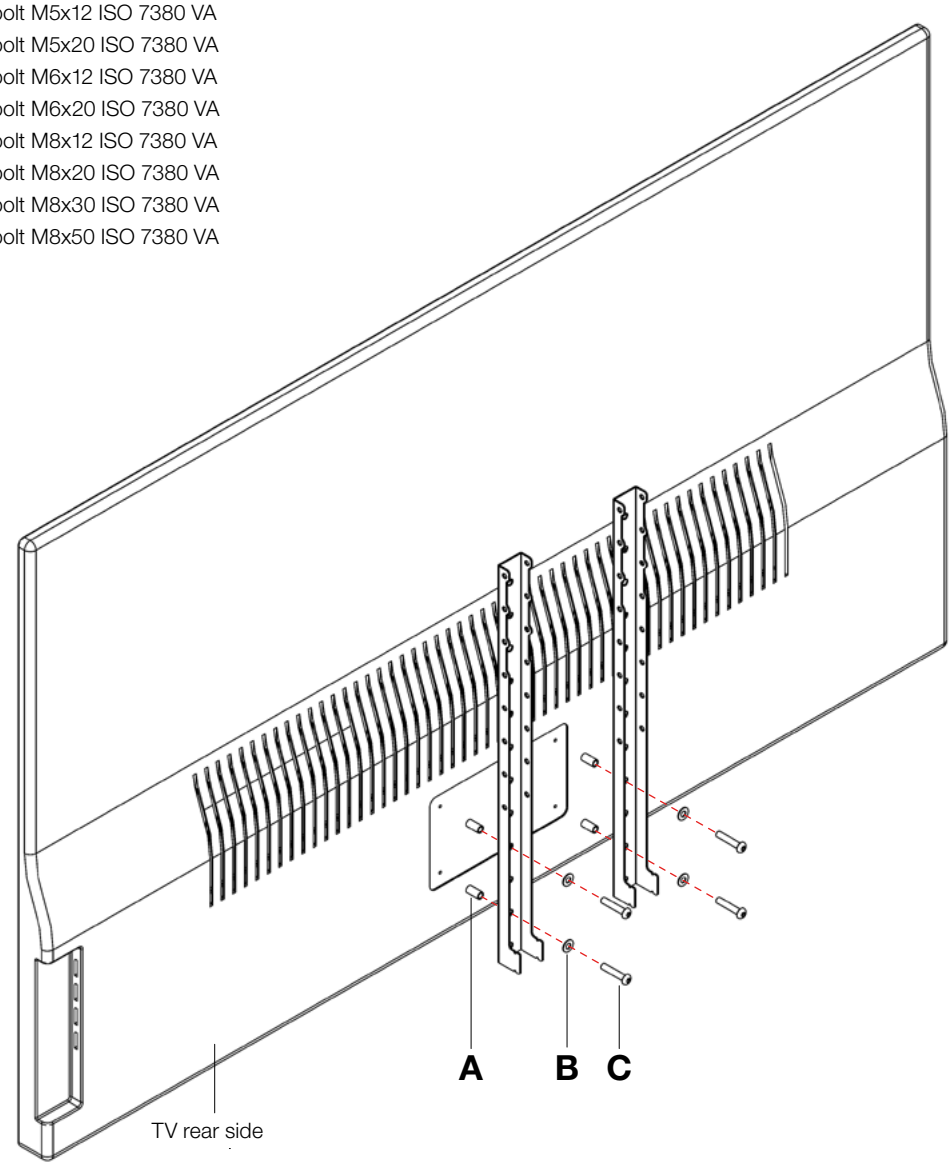
4x Tube 8x10
4x Tube 8x20

B) Washer

4x Washer M4
4x Washer M5
4x Washer M6
4x Washer M8

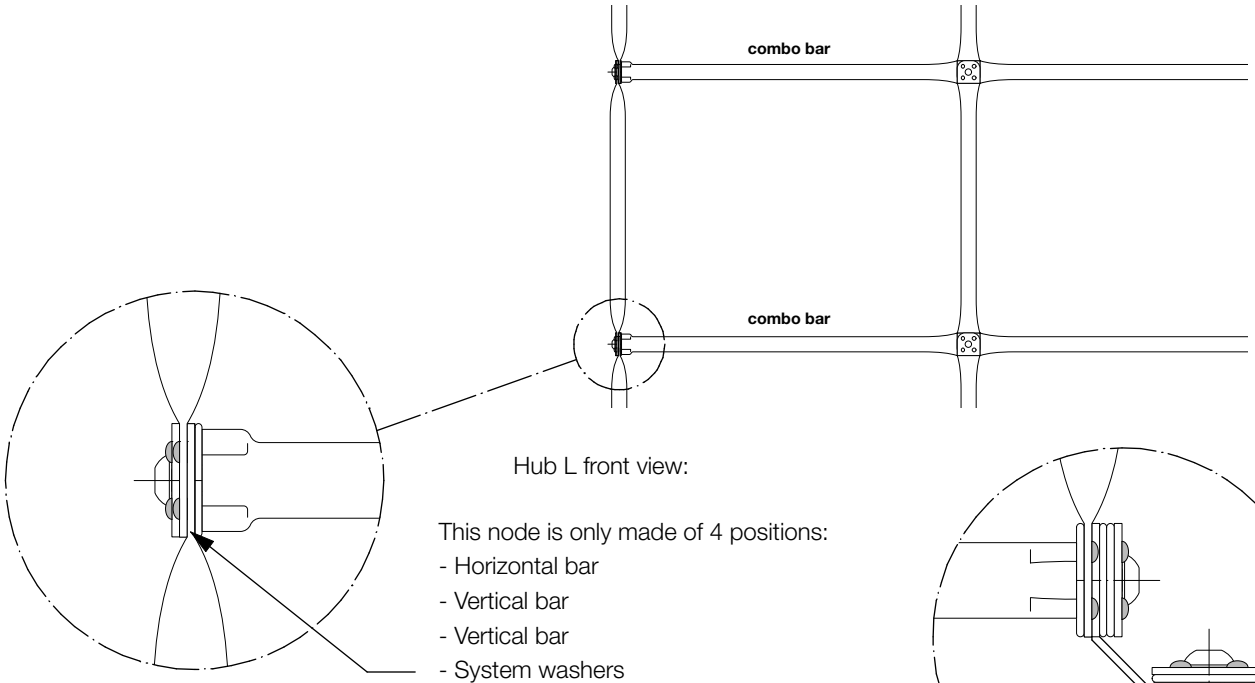
C) Sunken head bolt

4x Sunken head bolt M4x12 ISO 7380 VA
4x Sunken head bolt M4x20 ISO 7380 VA
4x Sunken head bolt M5x12 ISO 7380 VA
4x Sunken head bolt M5x20 ISO 7380 VA
4x Sunken head bolt M6x12 ISO 7380 VA
4x Sunken head bolt M6x20 ISO 7380 VA
4x Sunken head bolt M8x12 ISO 7380 VA
4x Sunken head bolt M8x20 ISO 7380 VA
4x Sunken head bolt M8x30 ISO 7380 VA
4x Sunken head bolt M8x50 ISO 7380 VA



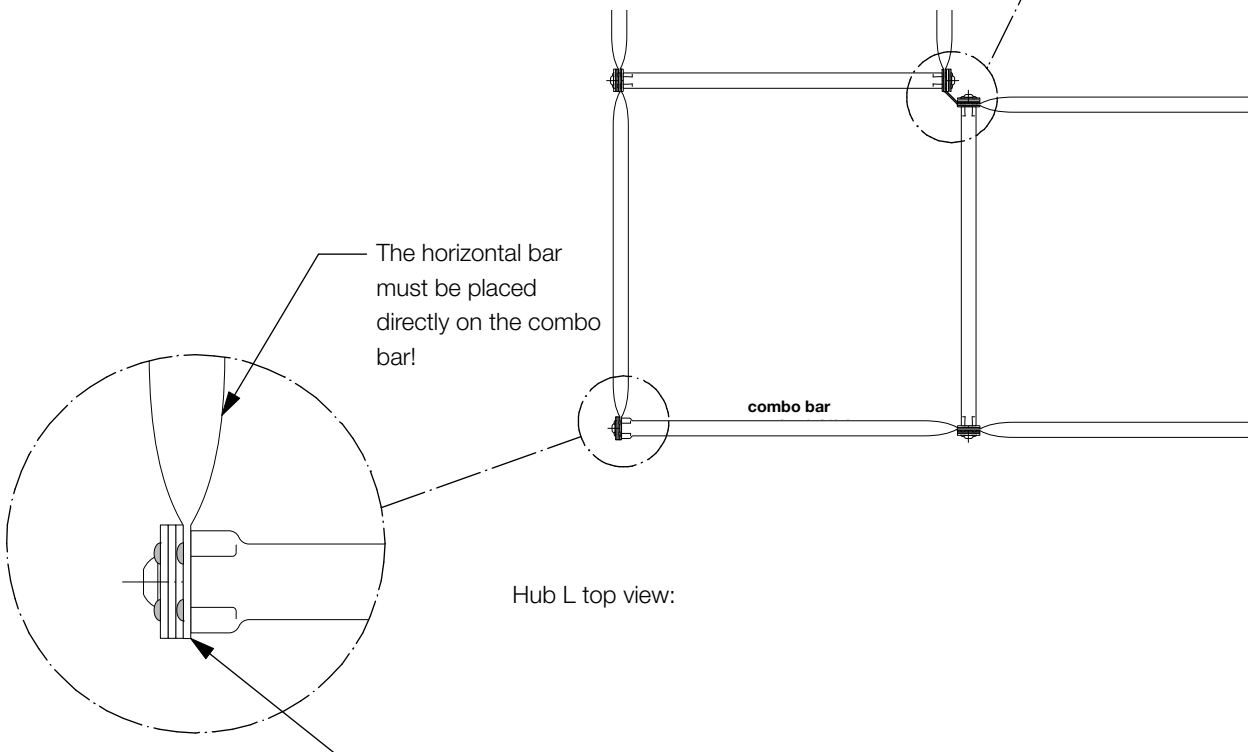
4.1 Hub L

4.1.1 Hub L assembly



Hub L front view:

This node is only made of 4 positions:
- Horizontal bar
- Vertical bar
- Vertical bar
- System washers

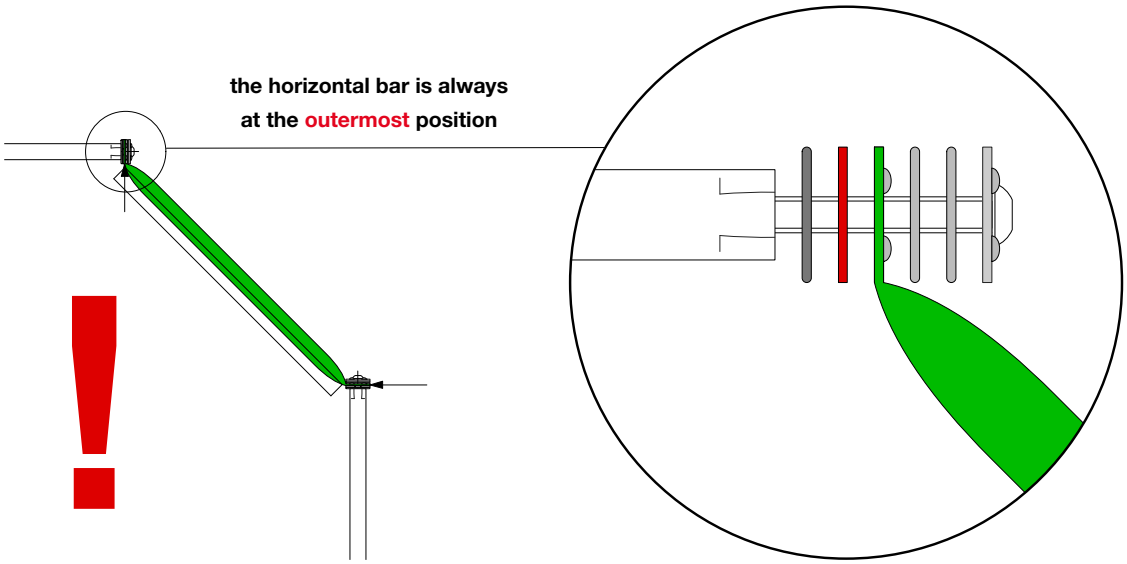


Hub L top view:

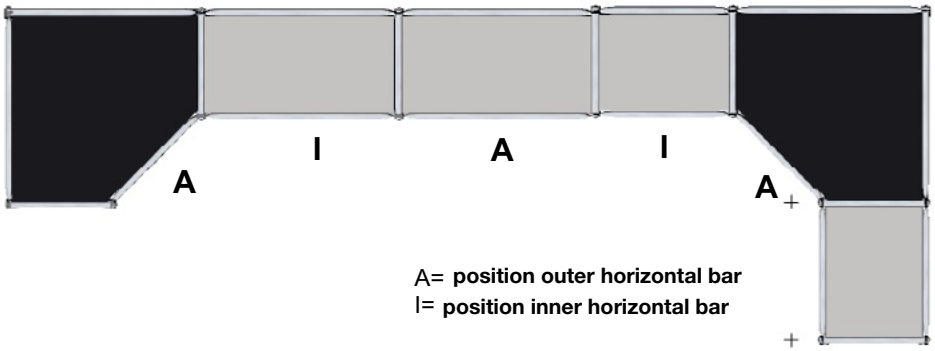
This node is only made of 4 positions:
- Horizontal bar
- Vertical bar
- Vertical bar
- System washers

4.1 Hub L

4.1.2 Horizontal position

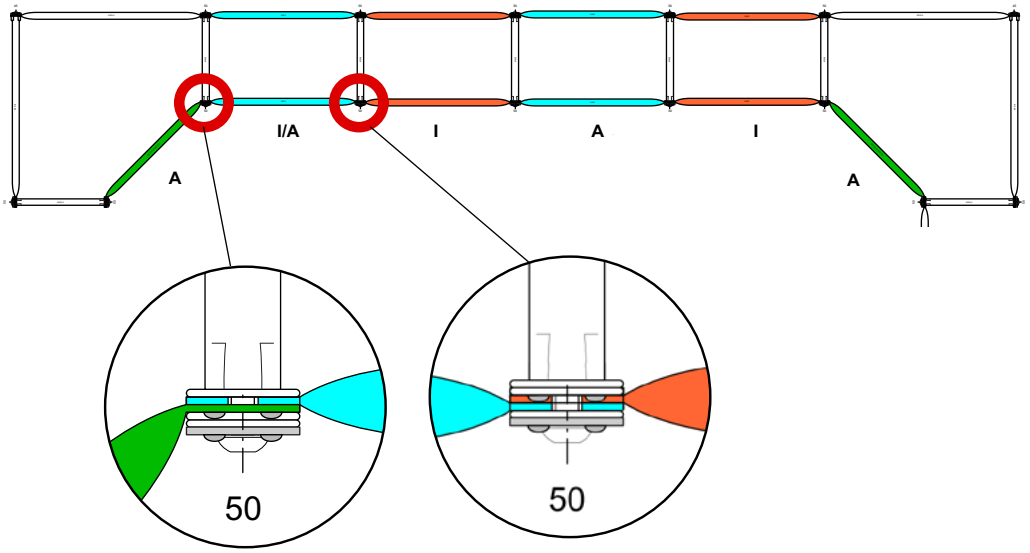


example:



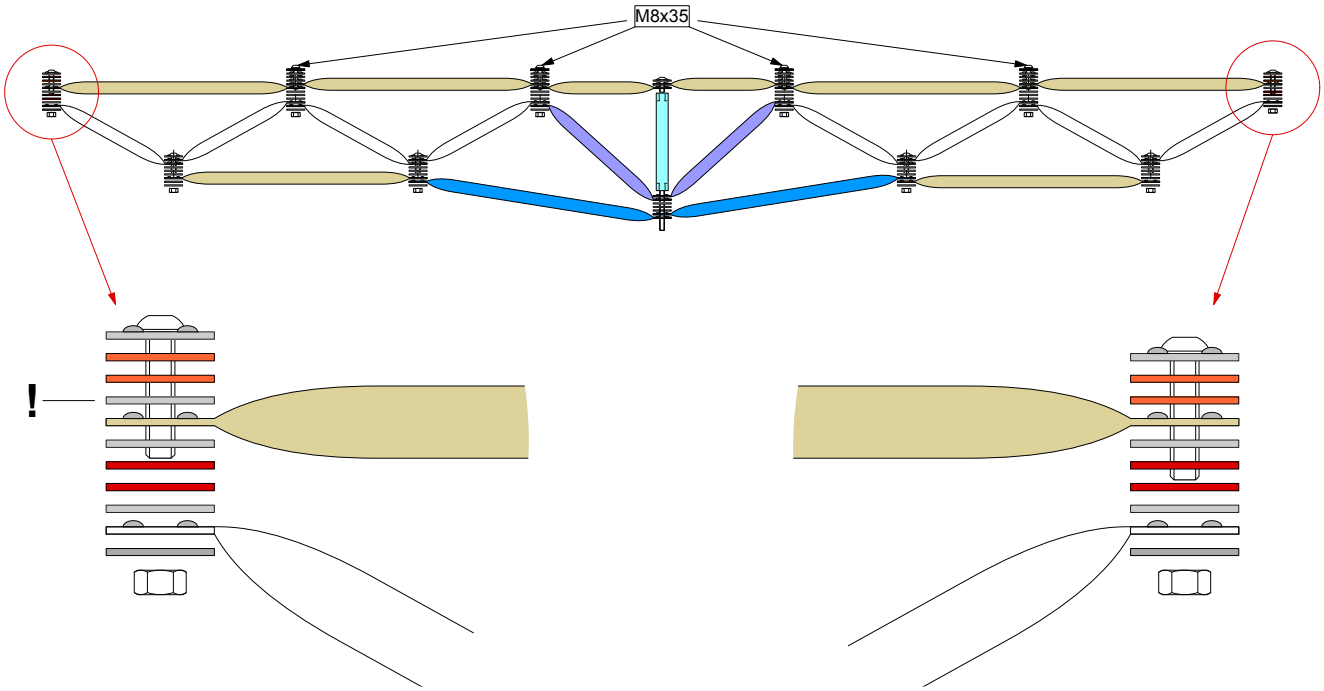
exception:

(even number of modules)



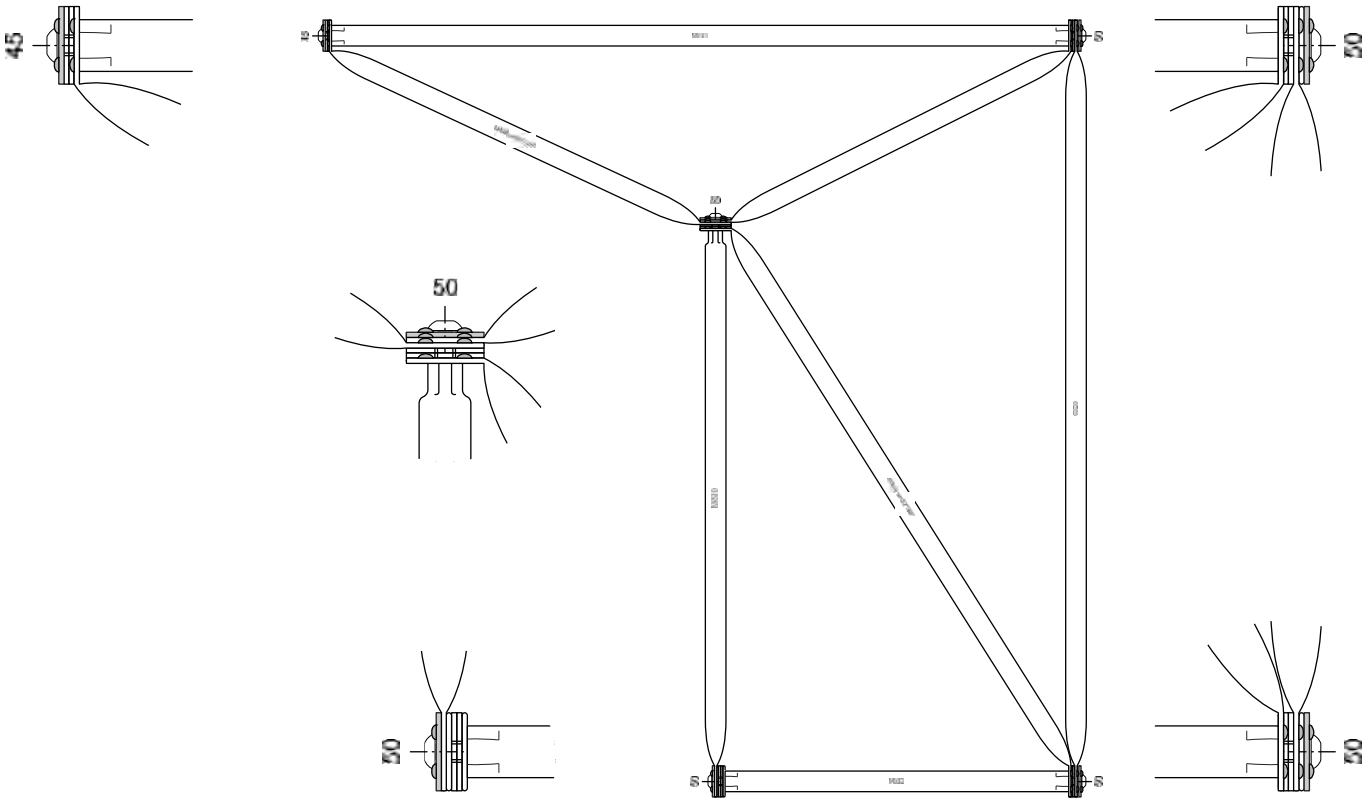
4.2 Iron Maiden

4.2.1 Iron Maiden – assembly middle truss



4.3 K-Support

4.3.1 K-support for add-on desks



4.4 Work surfaces/adapters

4.4.1 Work surfaces/adapters

By combining extension adapters and feet you can achieve a variety of working heights. The adapters can be used on both sides of the work surface.

Hex key with ball head

❶ Fully assemble the adapter at the side of the work surface (see illustration)

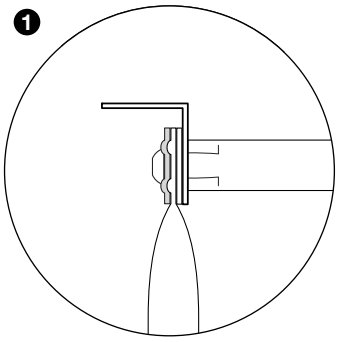
❷ The Adapter should be mounted at Position 7 (on the diagonal bar)

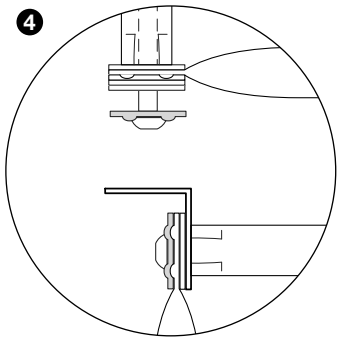
❸ Undo the connection nodes of the system construction to allow insertion

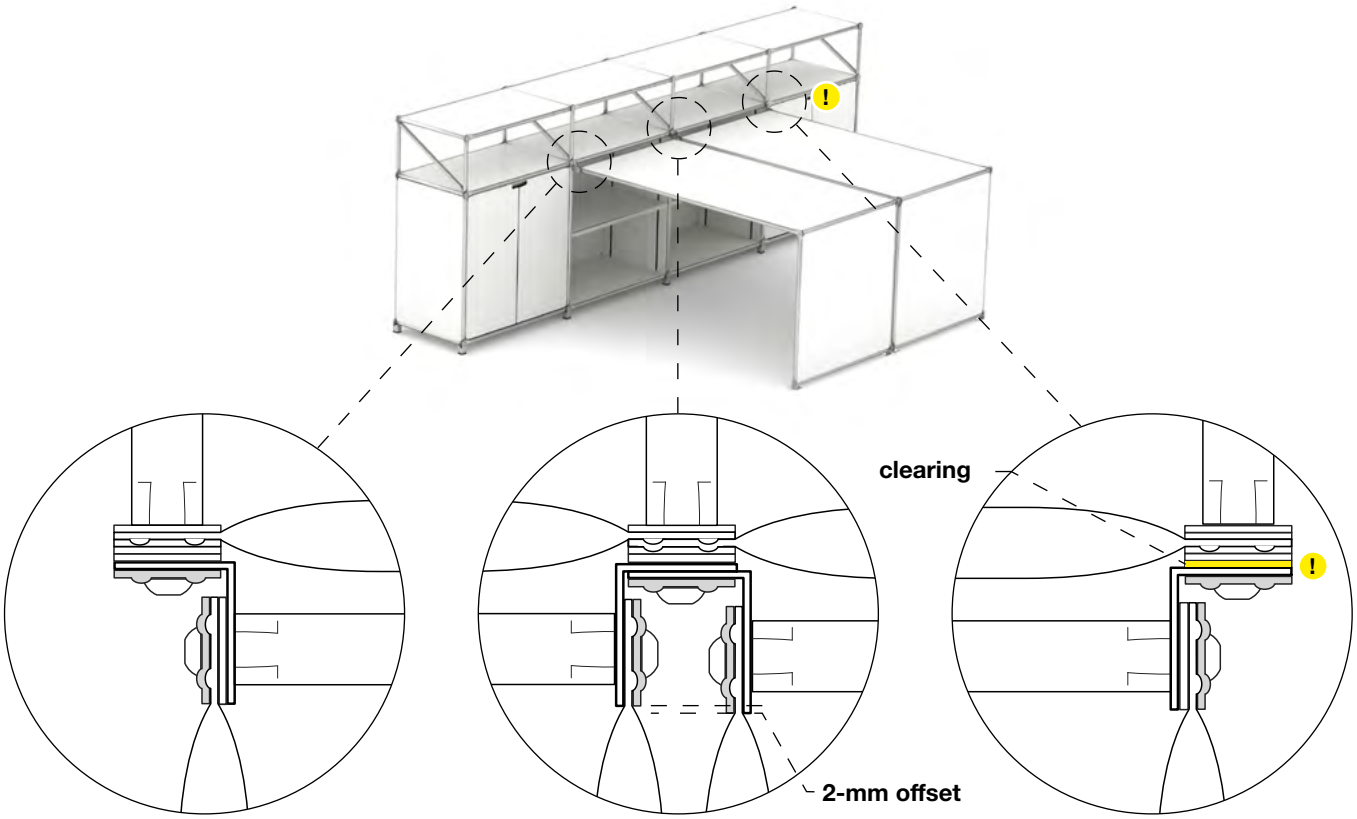
❹ Insert the adapter in Position 3 (see illustration)

! If two work surfaces are being constructed next to one another, then the offset of 2 mm will need to be filled in using an additional system washer. Alternatively, you can use the capping system washer as a filler

Overview of the height adapter



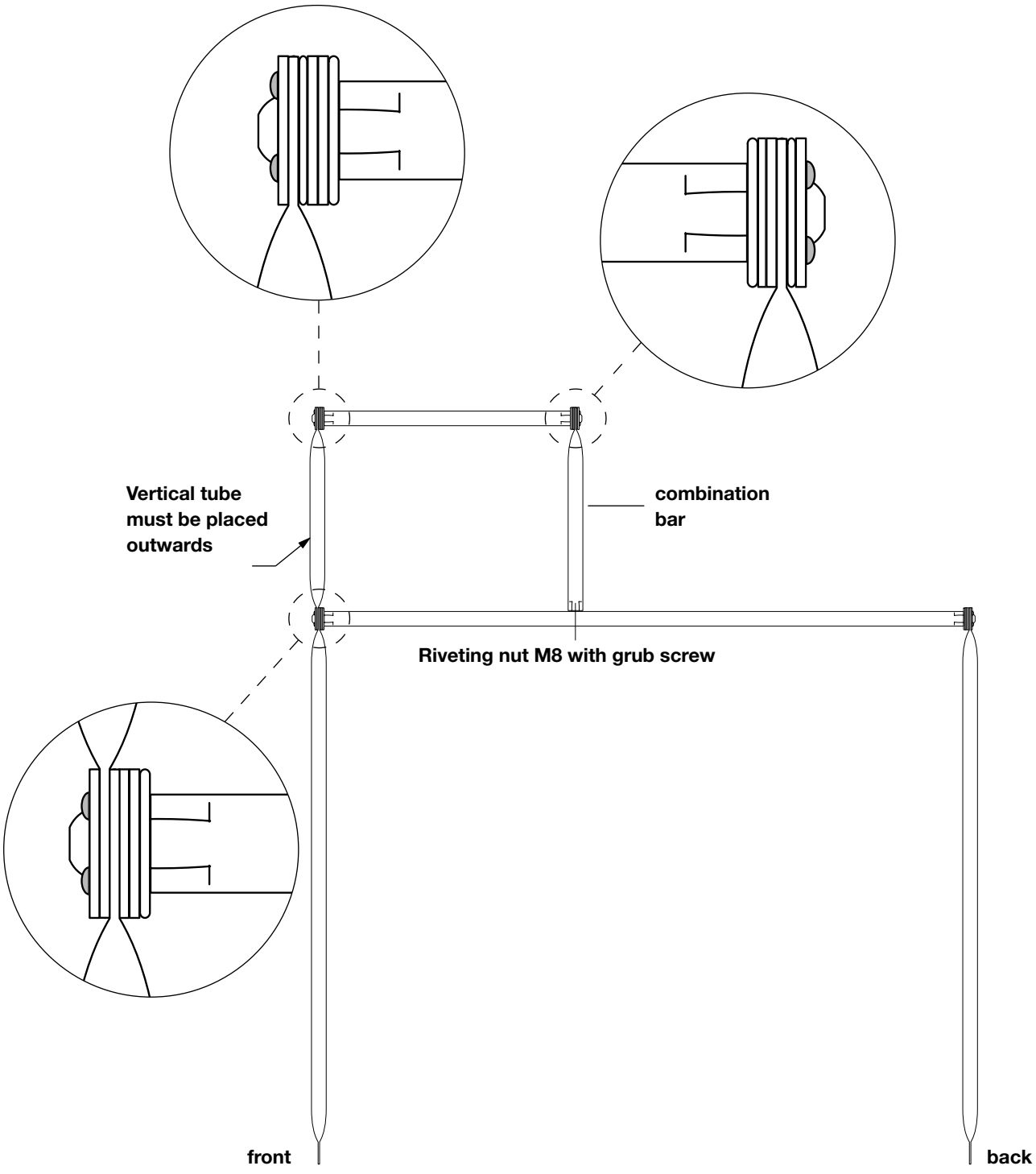




4.5 Counter attachement/combination bar

4.5.1 Counter attachement/combination bar

5-mm hex key/Cordless electric screwdriver



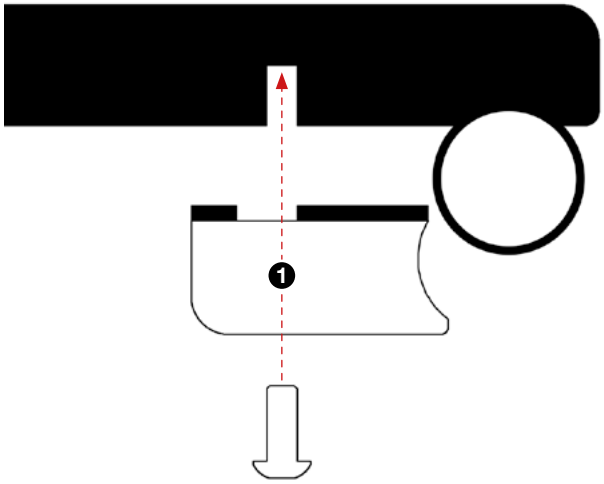
4.6 Fixation for overlying bases

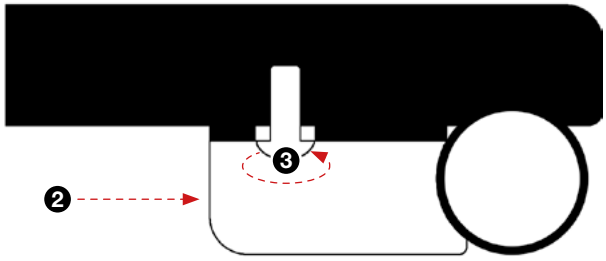
4.6.1 Fixation for overlying bases

❶ Screw the locking brackets to the base.

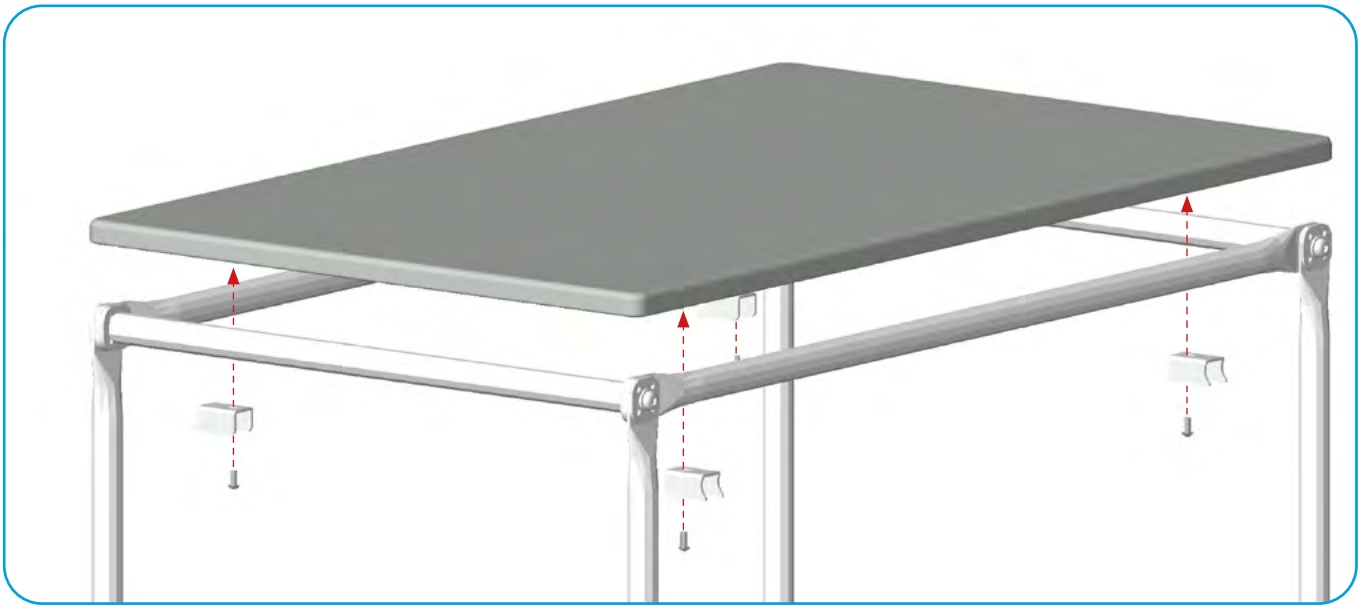
❷ Slide the locking brackets over the oblong hole to the system structure.

❸ Finish by tightening the screws.



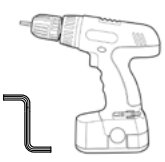


Schraube M4x8



To install the fixation you will need the following tools:

· 5 mm Inbus



5.1 Care instructions

5.1.1 Melamine-coated finishes

The MDF panels used in System 180 are suitable exclusively for indoor use. It is recommended to maintain a stable, not excessively dry climate (not below 40% rel. humidity) in the space.

For regular cleaning we recommend wiping the furniture with a soft, dry, lint-free cloth. Aside from using a cloth of this type for dusting, you can treat your furniture as follows in order to remove finger marks and other soiling. Clean the module with a slightly dampened cloth. It is recommended to add a little mild household cleaning agent such as washing up liquid into your rinse water. Do not add any caustic or scouring cleaning agents (CIF, AJAX, ammonia solution, alcohol or dispersants) into the water.

5.1.2 Veneered finishes

Veneer is natural wood and therefore just as sensitive when it comes to cleaning. The real wood veneer panels used at System 180 recieve – to preserve its natural character – a coating with a UV varnish. This finish does not constitute a sealant.
Never allow moisture to get on the surface of the (glass edges, planters, etc.) as this can damage the surface.
Wood surfaces should be cleaned regularly.

Loose dirt and dust

For regular cleaning, wiping the furniture with a soft, dry, lint-free cloth should be sufficient. Microfibre cloths are not recommended as they can scratch the surface.

Water-soluble soiling

If the dirt cannot be removed dry, then a well-wrung cloth can be used to remove the dirt. A small amount of a mild detergent can be added to the wiping water. Never use harsh, abrasive or solvent-containing cleaning agents! Subsequently wipe dry.
Directly afterwards rub the surface dry without applying pressure.

Water-insoluble soiling

In the case of heavy soiling that cannot be removed using a damp cloth, no single recommendation can be given.
(Please use only specially trained personnel for this purpose!)

5.1 Care instructions

5.1.3 Magnetic panels

Before using for the first time:

The surfaces of the magnetic panels are protected by a removable film. Before using them for the first time or after removing the protective film, it is highly recommended to clean the surface to remove any residues. You can use conventional ethyl alcohol for this purpose.

Please note: Never use greasy cleaning agents (washing-up liquid, specialist soaps)! Any residual greasy film that may be left behind can make it very difficult to dry wipe the furniture clean effectively.

Using whiteboard markers:

The magnetic panels are also suitable for the use of whiteboard markers. All markings made using suitable markers are can be wiped away without the need for any liquid! Based on experience, we have noticed that the quality, age, useful life and storage of the markers that you use will all have a substantial effect on how well your markings wash off. In addition, any writing that is left on the whiteboard for an extended period will be difficult to remove. As a general rule, we cannot guarantee that the whiteboard can be wiped off completely without leaving any residue. Please be careful to follow the storage instructions of the manufacturer. Only if markers have been stored in horizontal position can it be ensured that the correct mix of marker inks is produced by them to allow marks to be dry wiped away effectively.

Depending on the quality of the markers you are using, faint residues (ghost images) may remain visible. In some circumstances, such stains may require you to give the board a thorough cleaning from time to time. You can use conventional ethyl alcohol or specialised whiteboard cleaner (e.g. Edding V100 specialised thinner) for this purpose. If you are still having problems with wiping off markings without liquids we recommend trying out different types of board marker.

Cleaning:

Among the fabrics suitable for dry wiping the magnetic panels are microfibre wipes. If you cannot achieve satisfactory results with dry wiping, using a damp sponge may improve your results substantially. Depending on your needs, it may be necessary to give the board an occasional thorough cleaning . You can use conventional ethyl alcohol for this purpose.

Please note: Never use greasy cleaning agents (washing-up liquid, specialist soaps)! Any residual greasy film that may be left behind can make it very difficult to dry wipe the furniture effectively.

5.1 Care instructions

5.1.4 Stainless steel surfaces

Normal soiling:

For regular cleaning of everyday soiling, use clean hot water with
clean wash wipes, a soft sponge or gentle brush along with an all-purpose cleaner that does not contain any caustic ingredients. Washing powder and soft or curd soaps are also suitable. The cleaning agent should be rinsed off thoroughly to prevent streaking. Wipe the surface dry using a clean absorbent cloth. Replace your cloths regularly.

Severe staining

Stubborn stains, such as those caused by grease, oil, felt-tip markers, lipstick, water-soluble paint, Nicotine, etc. should be removed using hot water and a universal cleaning agent (e.g. powder cleaner or soft soap) and letting it soak in sufficiently given the type of stain. Then rinse off using clean water and rub dry with a cloth. Particular types of staining (e.g. limescale residues) may be removed with acidic cleaning agents containing approx. 10 % citric or acetic acid. All treated surfaces should be carefully rinsed after cleaning.

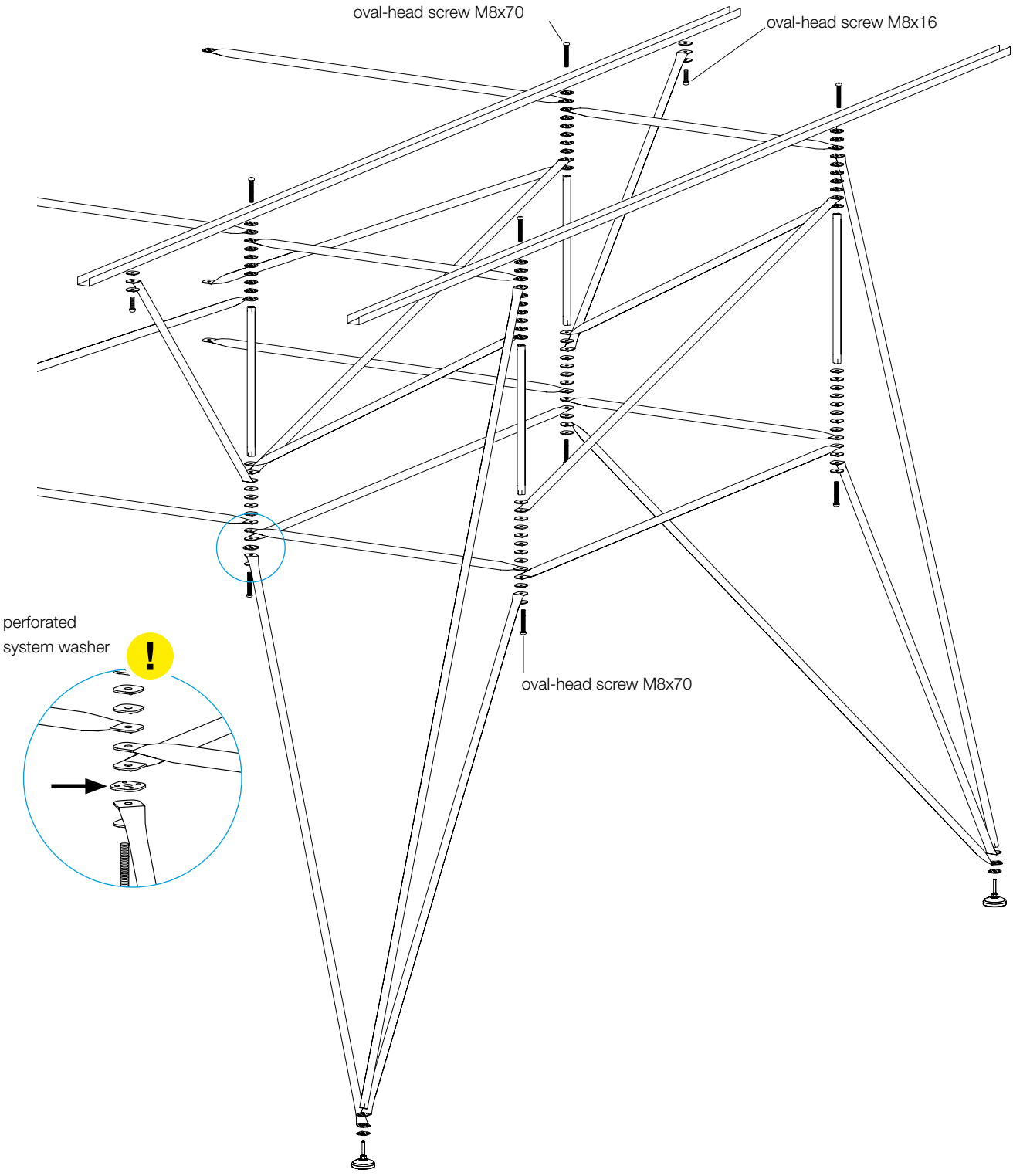
Please note:

The corrosion resistance of stainless steel can be reduced by acids and halogen compounds (chlorides, bromides, iodides).
Do not use any cleaning agents that contain strongly acidic salts, e.g. descaling agents based on formic or sulfamic acid, drain cleaner, hydrochloric acid or silverware cleaners. Do not use any chlorine-based solutions. Do not use any caustic or abrasive substances (scouring powder, steel wool), nor polishes, wax or bleaching agents. For cleaning, do not use any tools made ordinary steel (spatulas or steel wool, for example), as they may generate extraneous rust. Nor should any cleaning utensils be used that have been previously used on ordinary steel.

6.1 K table system old version

6.1.1.1 Table legs diagonal H=730 with articulated foot

Only valid until 10.11.2019

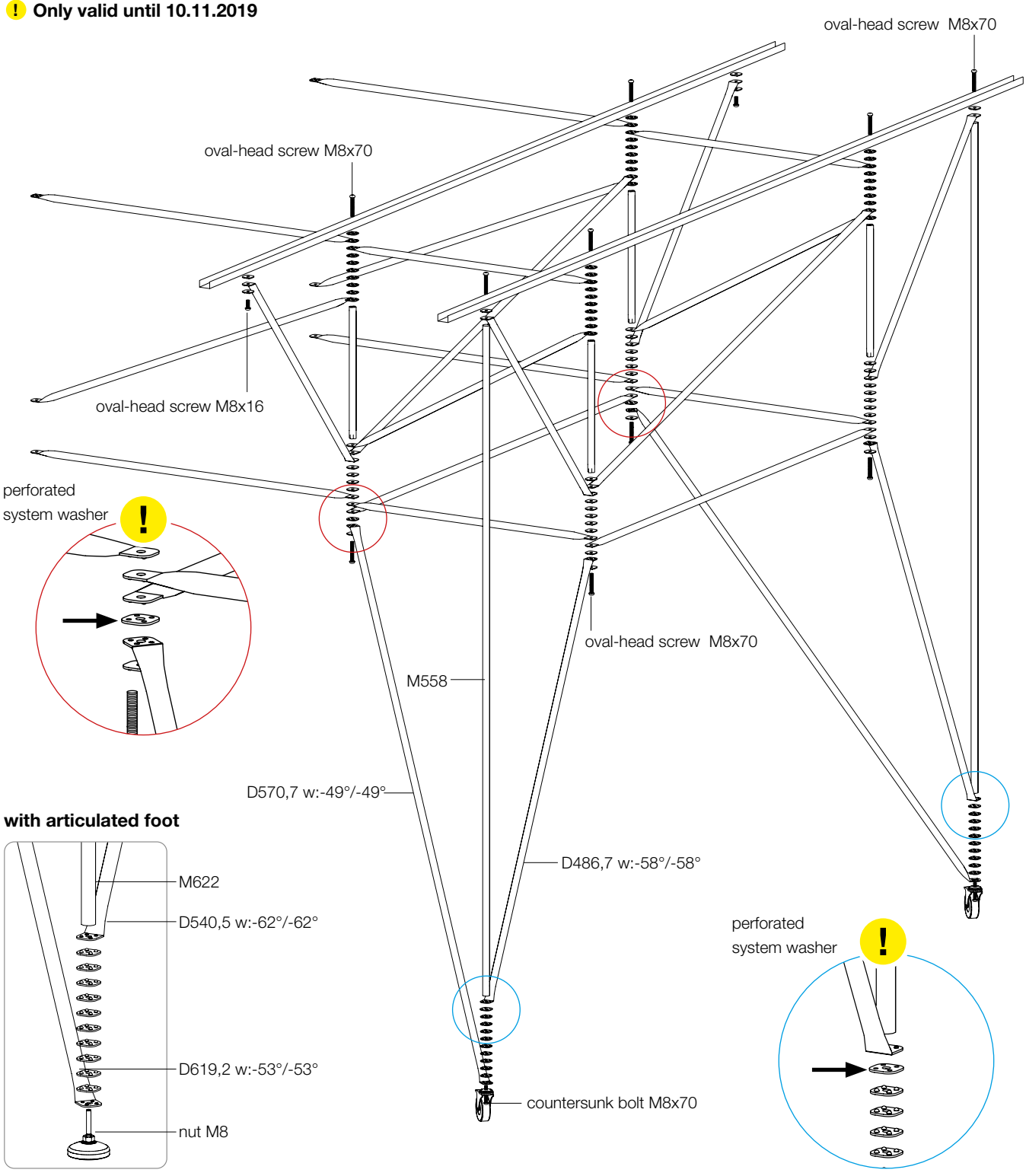


The following tools are required for mounting the K table system:
· 5 mm hexagon socket wrench (Allen key) or cordless screwdriver with corresponding bit insert, torque: approx. 7 Nm

6.1 K table system old version

6.1.1.2 Table legs vertical H=730 with casters

Only valid until 10.11.2019



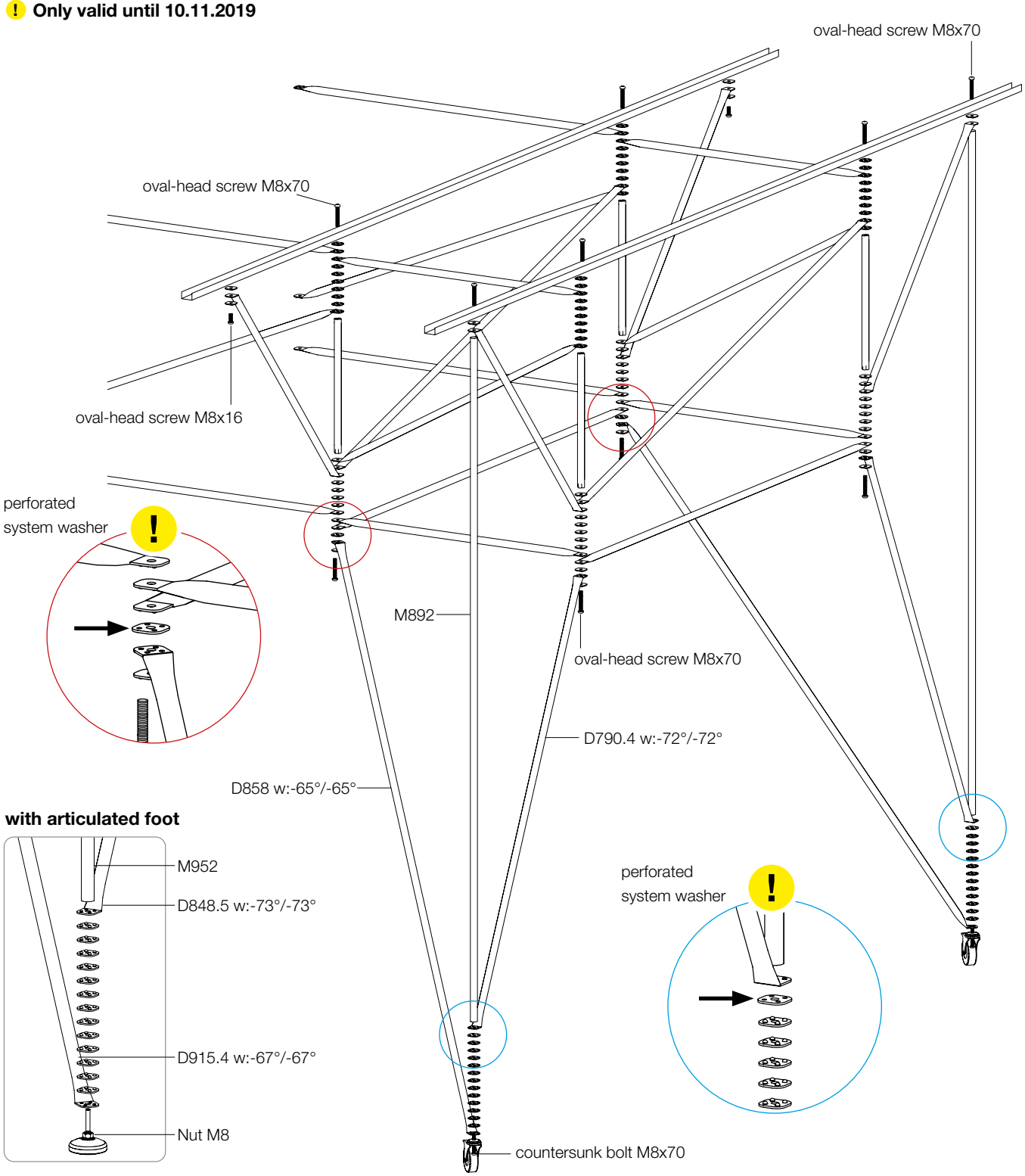
with articulated foot

The following tools are required for mounting the K table system:
· 5 mm hexagon socket wrench (Allen key) or cordless screwdriver with corresponding bit insert, torque: approx. 7 Nm

6.1 K table system old version

6.1.1.3 Table legs vertical H=1070 with casters

! Only valid until 10.11.2019

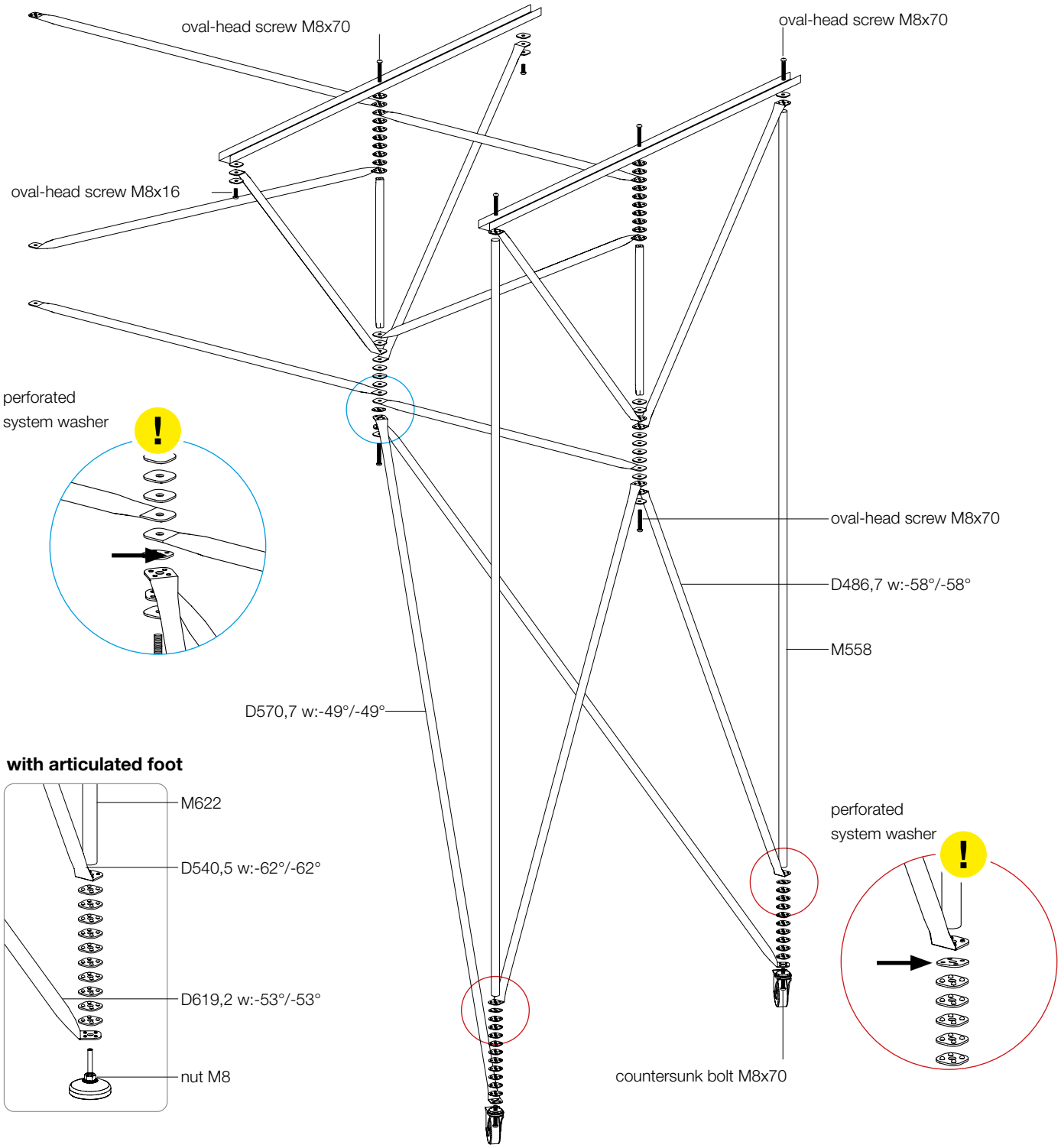


The following tools are required for mounting the K table system:
· 5 mm hexagon socket wrench (Allen key) or cordless screwdriver with corresponding bit insert, torque: approx. 7 Nm

6.1 K table system old version

6.1.1.4 H=730, body depth 0

! Only valid until 10.11.2019

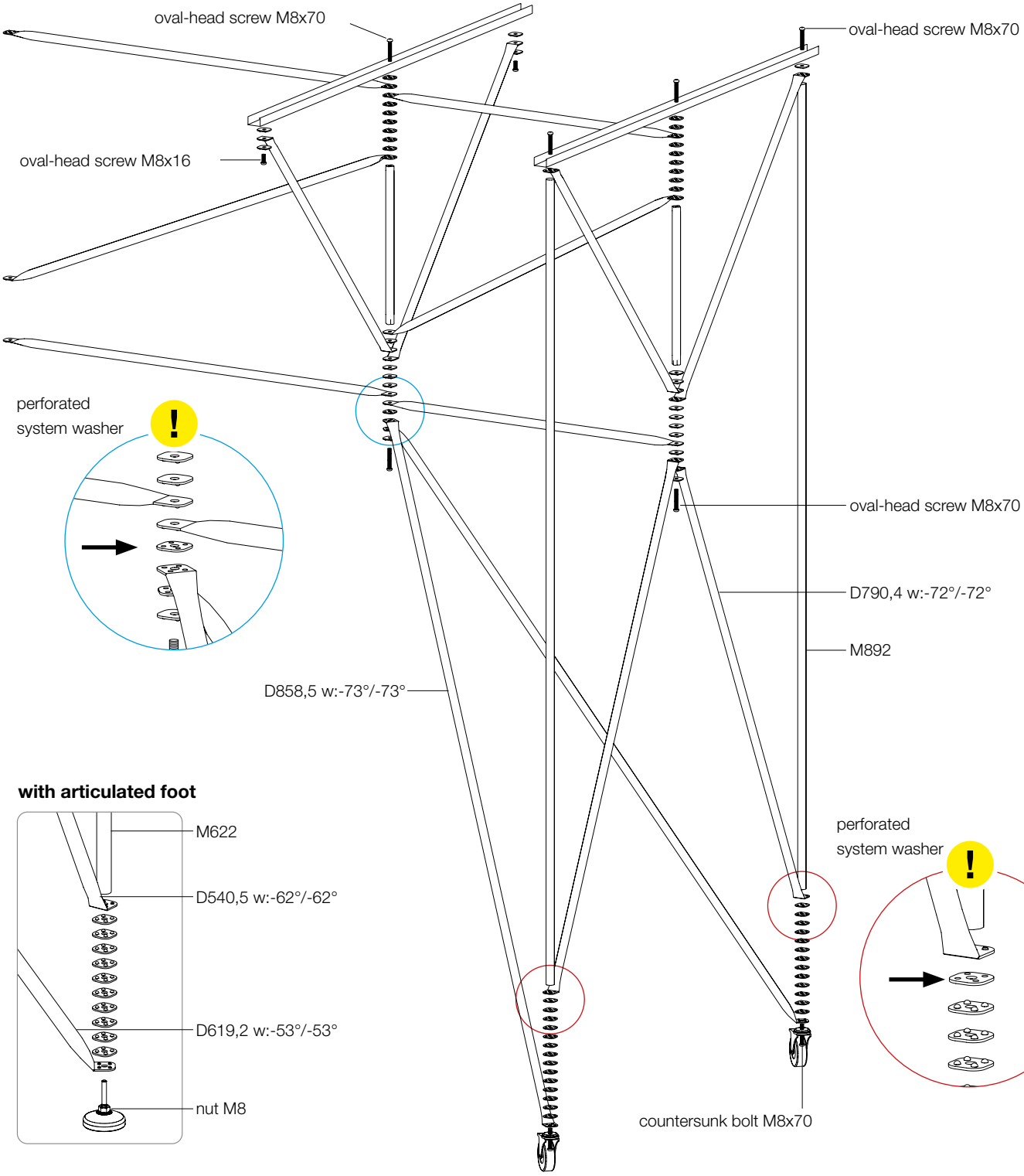


The following tools are required for mounting the K table system:
· 5 mm hexagon socket wrench (Allen key) or cordless screwdriver with corresponding bit insert, torque: approx. 7 Nm

6.1 K table system old version

6.1.1.5 High desk H=1070, body depth 0

! Only valid until 10.11.2019



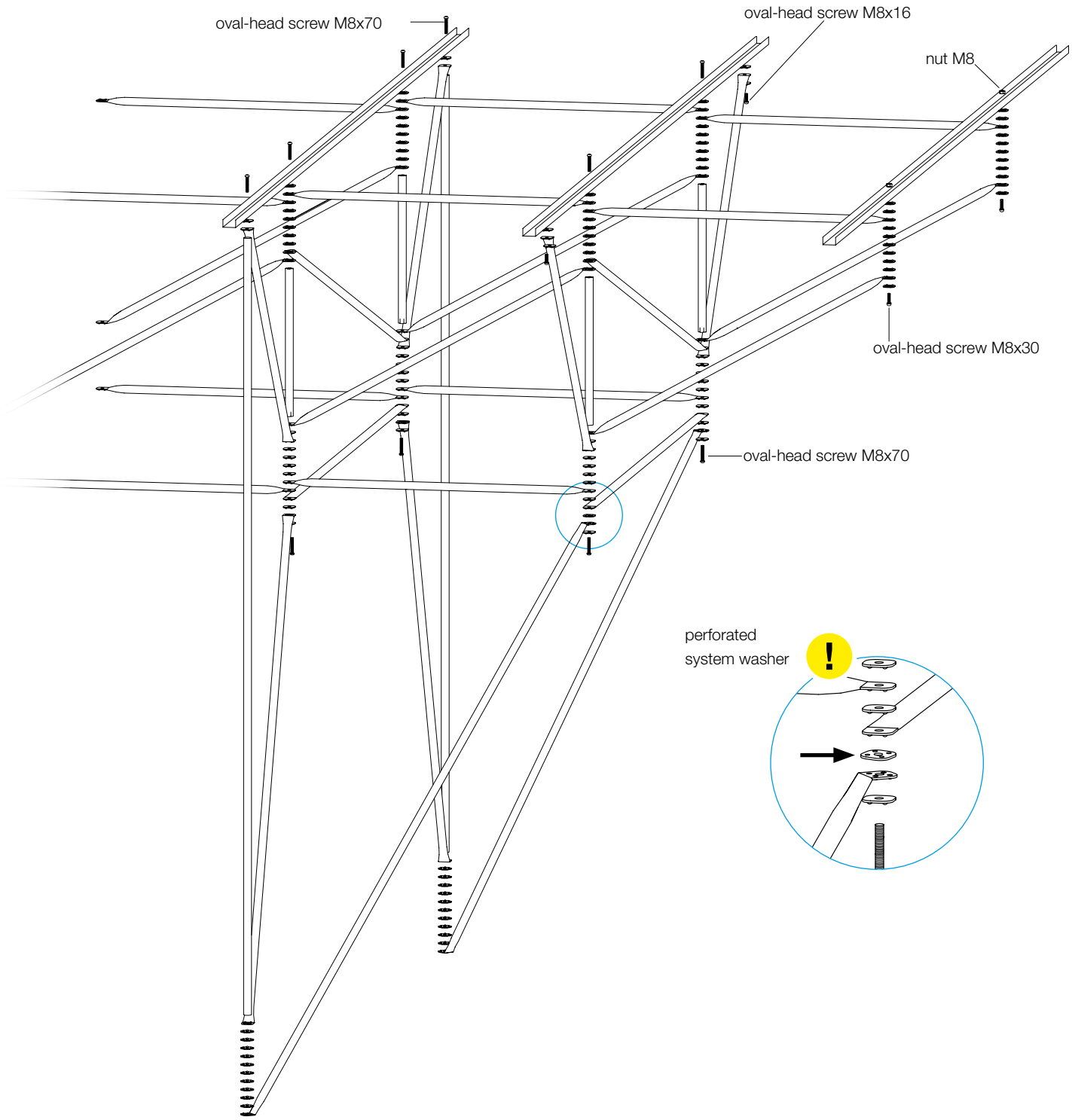
with articulated foot

The following tools are required for mounting the K table system:
· 5 mm hexagon socket wrench (Allen key) or cordless screwdriver with corresponding bit insert, torque: approx. 7 Nm

6.1 K table system old version

6.1.1.6 Table top extension

Only valid until 10.11.2019



The following tools are required for mounting the table extension:
· 5 mm hexagon socket wrench (Allen key) or cordless screwdriver with corresponding bit insert, torque: approx. 7 Nm

6.1 K table system old version

6.1.1.7 Joining the two halves of the frame together

! **Only valid until 10.11.2019**

! **Lay the two halves of the frame upside down on the floor – this will make it easier to join them together. While assembling, be careful that the two halves (left and right) fit together correctly.**

5-mm hex key/cordless electric screwdriver

❶ **Loosen the nodes marked with this symbol:**

❷ **Now loosen the nodes at which the ends of standard and diagonal bars need to be inserted in place of the white system washers. Then tighten up the nodes.**

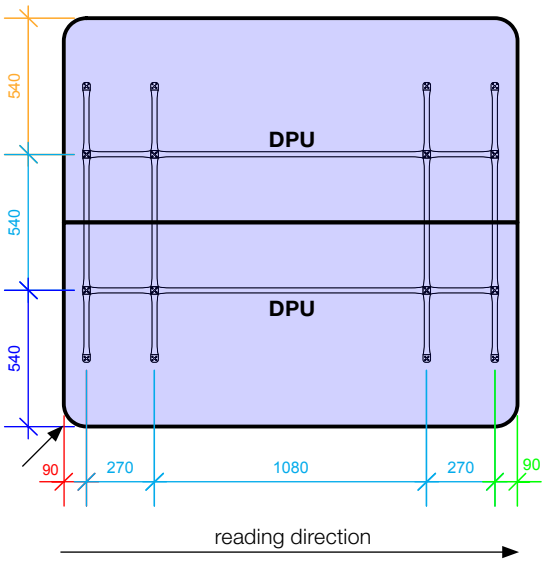
❸ **Last of all, tighten up the nodes you loosened in Step 1.**

6.1 K table system old version

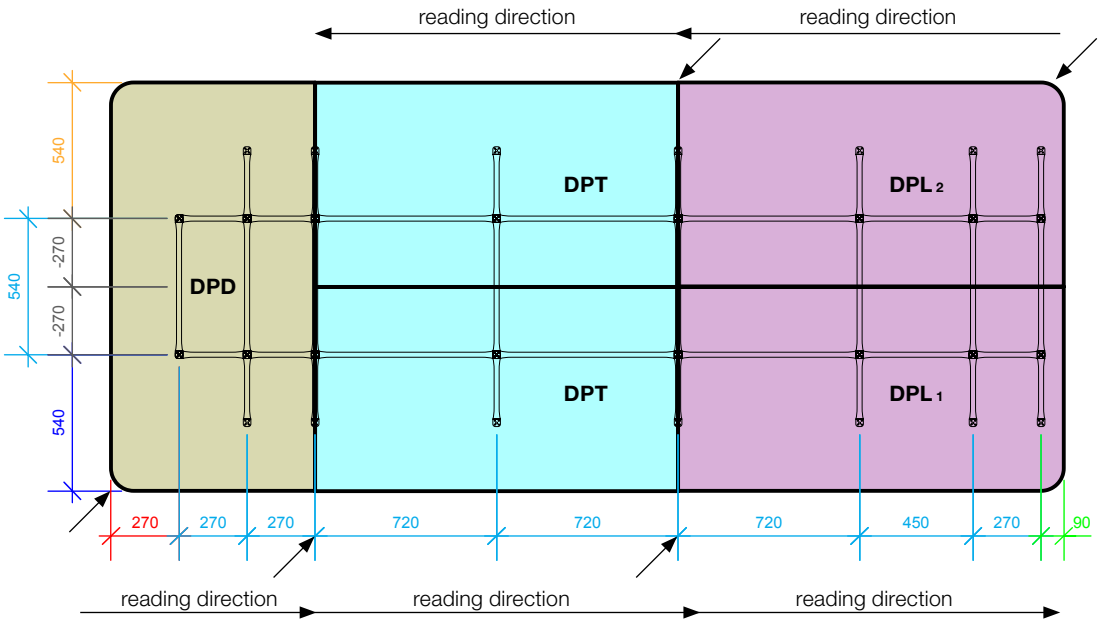
6.1.2.1 Principle of table tops with depth separation

! Only valid until 10.11.2019

Layout of the table tops: DP + U / L (L1 & L2) / T



DPU[M[MDF white] B[90|270_1080_270|90] T[540|540|540]]



DPD[M[MDF white] B[270|270_270|0] T[540|540|540]]

DPT[M[MDF white] B[0|720_720|0] T[540|540|-270]]

L1: DPL[M[MDF white] B[0|720_450_270|90] T[540|540|-270]]

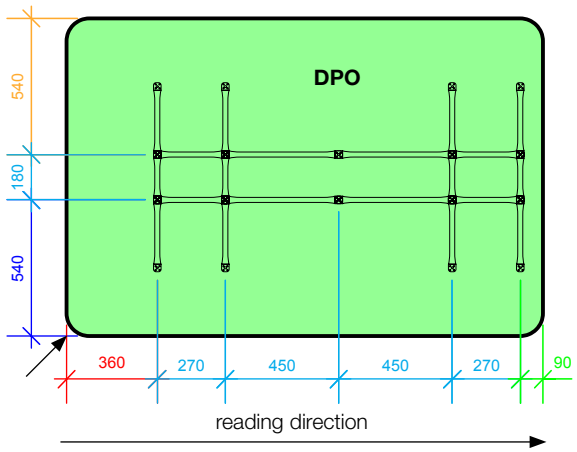
L2: DPL[M[MDF white] B[90|270_450_720|0] T[540|540|-270]]

6.1 K table system old version

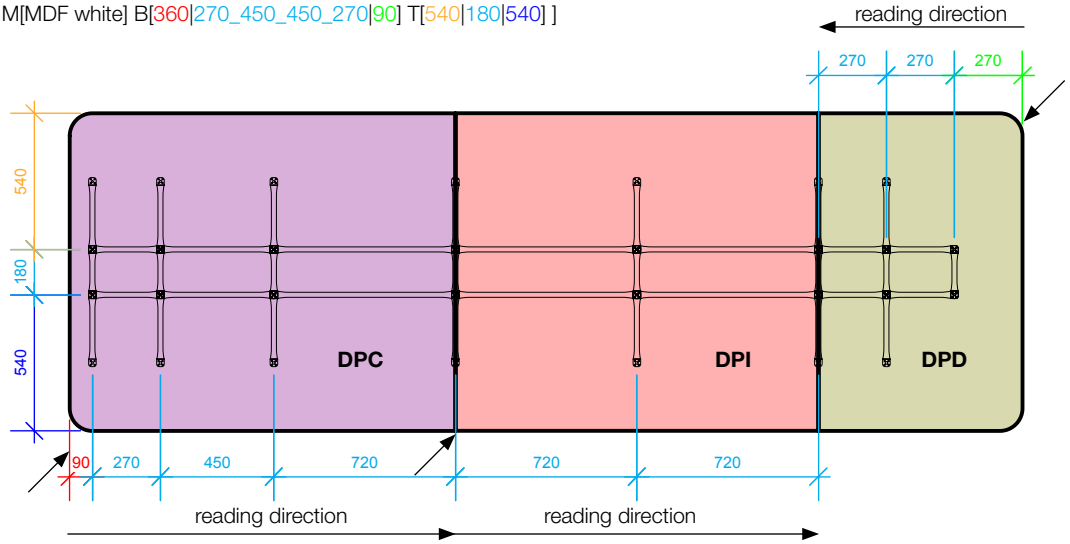
6.1.2.2 Principle of table tops without depth separation

! Only valid until 10.11.2019

Layout of the table tops: DP + O / C / I / D



DPU[M[MDF white] B[360|270_450_450_270|90] T[540|180|540]]

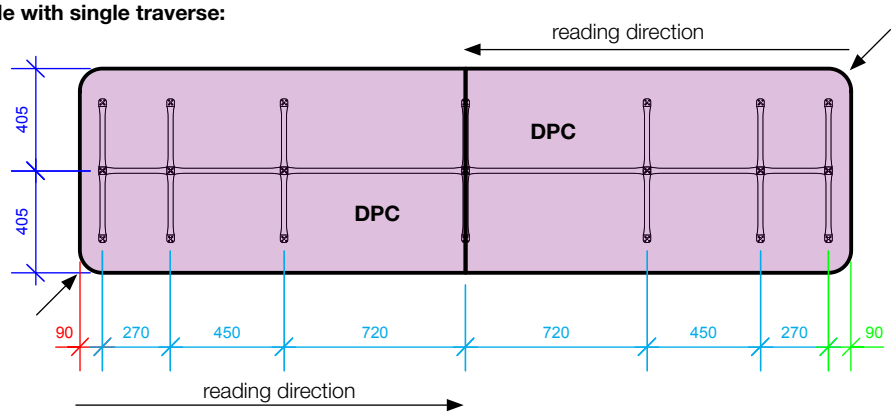


DPC[M[MDF white] B[90|270_450_720|0] T[540|180|540]]

DPI[M[MDF white] B[0|720_720|0] T[540|180|540]]

DPD[M[MDF white] B[270|270_270|0] T[540|180|540]]

Example with single traverse:



Single travers written with „0“

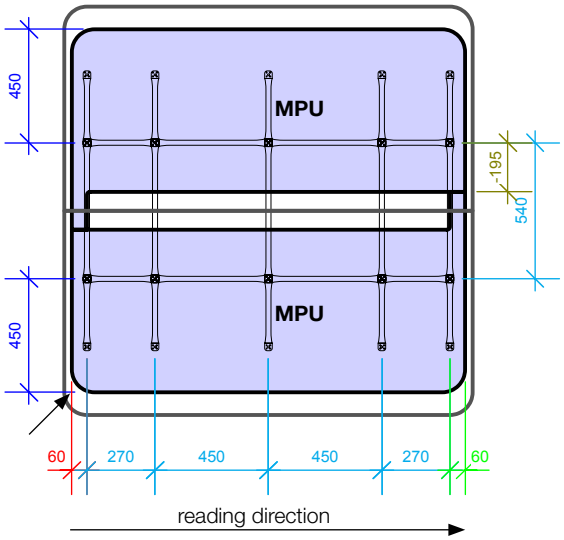
DPC[M[MDF white] B[90|270_450_720|0] T[405|0|405]]

6.1 K table system old version

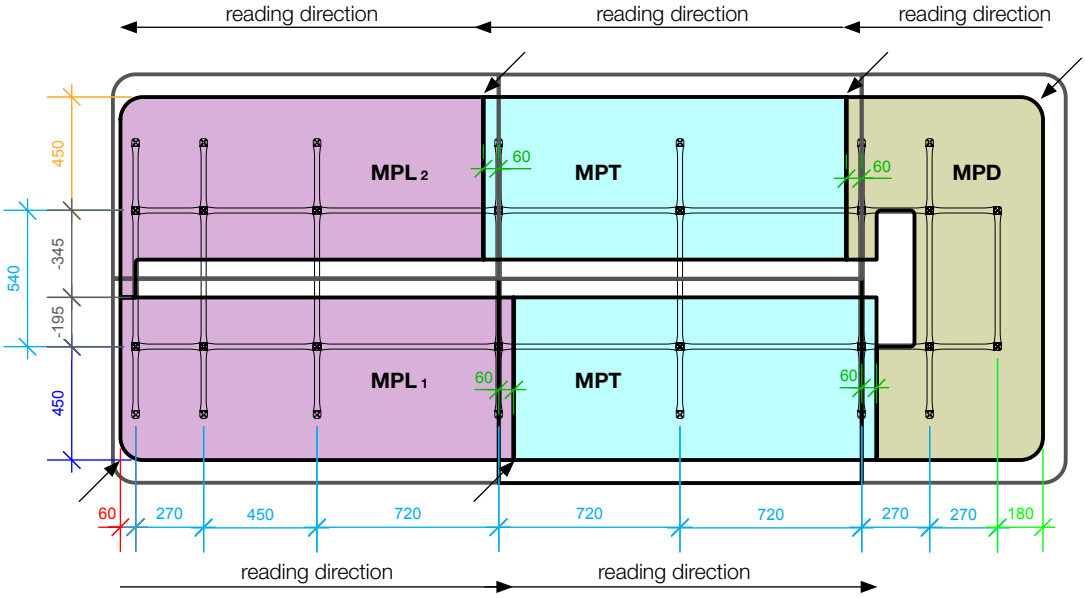
6.1.2.3 Principle of mounting panels with depth seperation

! Only valid until 10.11.2019

Layout of the mounting panels: MP + U / L (L1 & L2) / T



MPU[M[MDF white] B[60|270_450_450_270|60] T[450|540|-195]]



L1: MPL[M[MDF black] B[60|270_450_720|60] T[450|540|-345]]

L2: MPL[M[MDF black] B[-60|720_450_270|60] T[450|540|-195]]

MPT[M[MDF black] B[-60|720_720|60] T[450|540|-345]]

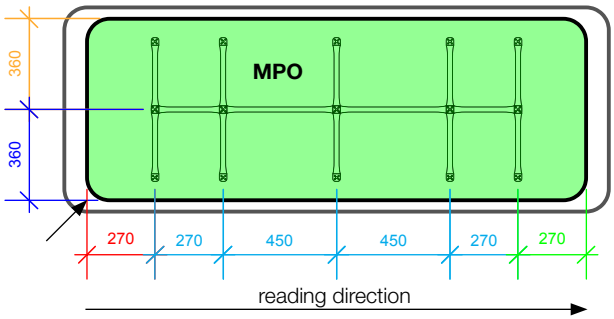
MPD[M[MDF black] B[180|270_270|60] T[450|540|450]]

6.1 K table system old version

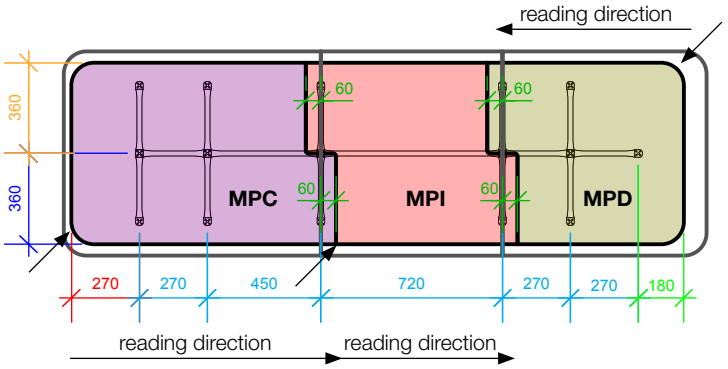
6.1.2.4 Principle of mounting panels without depth seperation

! Only valid until 10.11.2019

Layout of the mounting panels: MP + O / C / I / D



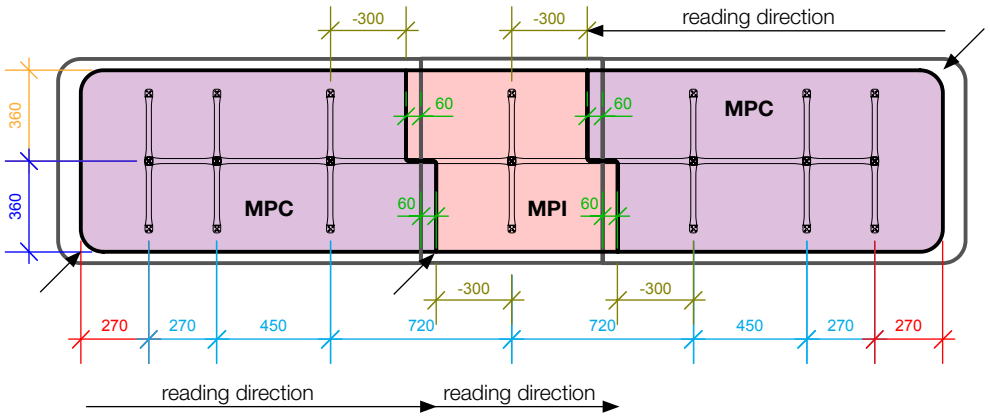
MPO[M[MDF black] B[270|270_450_450_270|270] T[360|0|360]]



MPC[M[MDF black] B[270|270_450|60] T[360|0|360]]

MPI[M[MDF black] B[60|720|60] T[360|0|360]]

MPD[M[MDF black] B[180|270_270|60] T[360|0|360]]



Single traverse marked with „0“

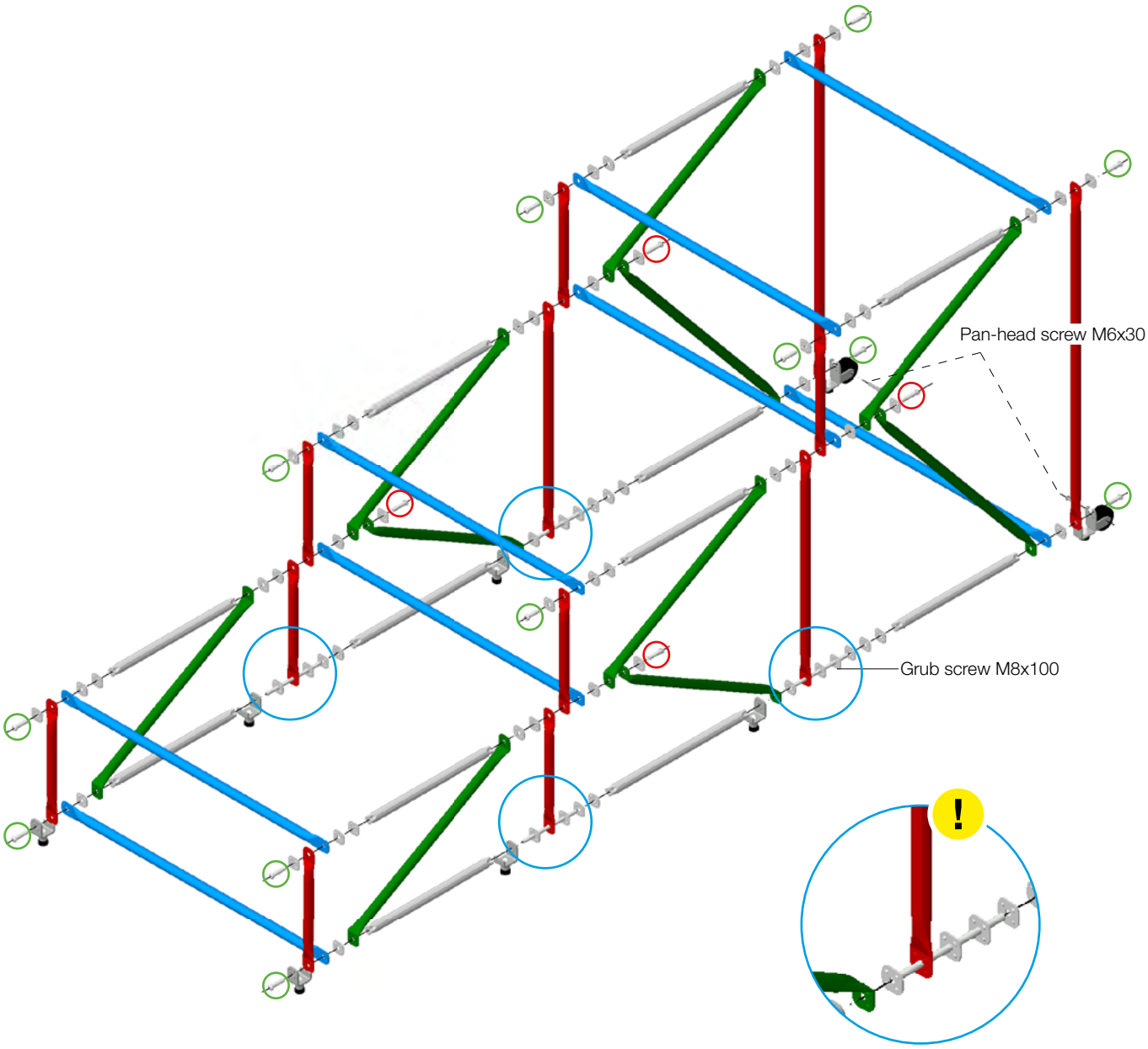
MPC[M[MDF black] B[270|270_450_720|-300] T[360|0|360]]

MPI[M[MDF black] B[-300|720_720|-300] T[360|0|360]]

6.2 Bleachers moduls SitUp old

6.2.1 SitUp ST old

- **Grub screw M8x100**
- **Allen screw M8x50**
- **Allen screw M8x70**



To assemble the Bleachers modul SitUp ST you will need the following tools:

- **5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm**

6.2 Bleachers moduls SitUp old

6.2.1 SitUp ST old

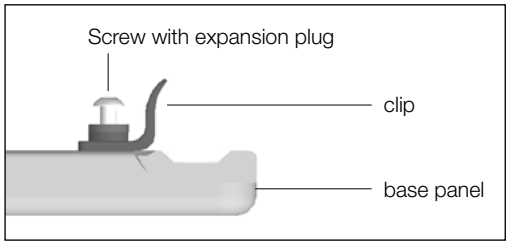
PZ2 Screwdriver

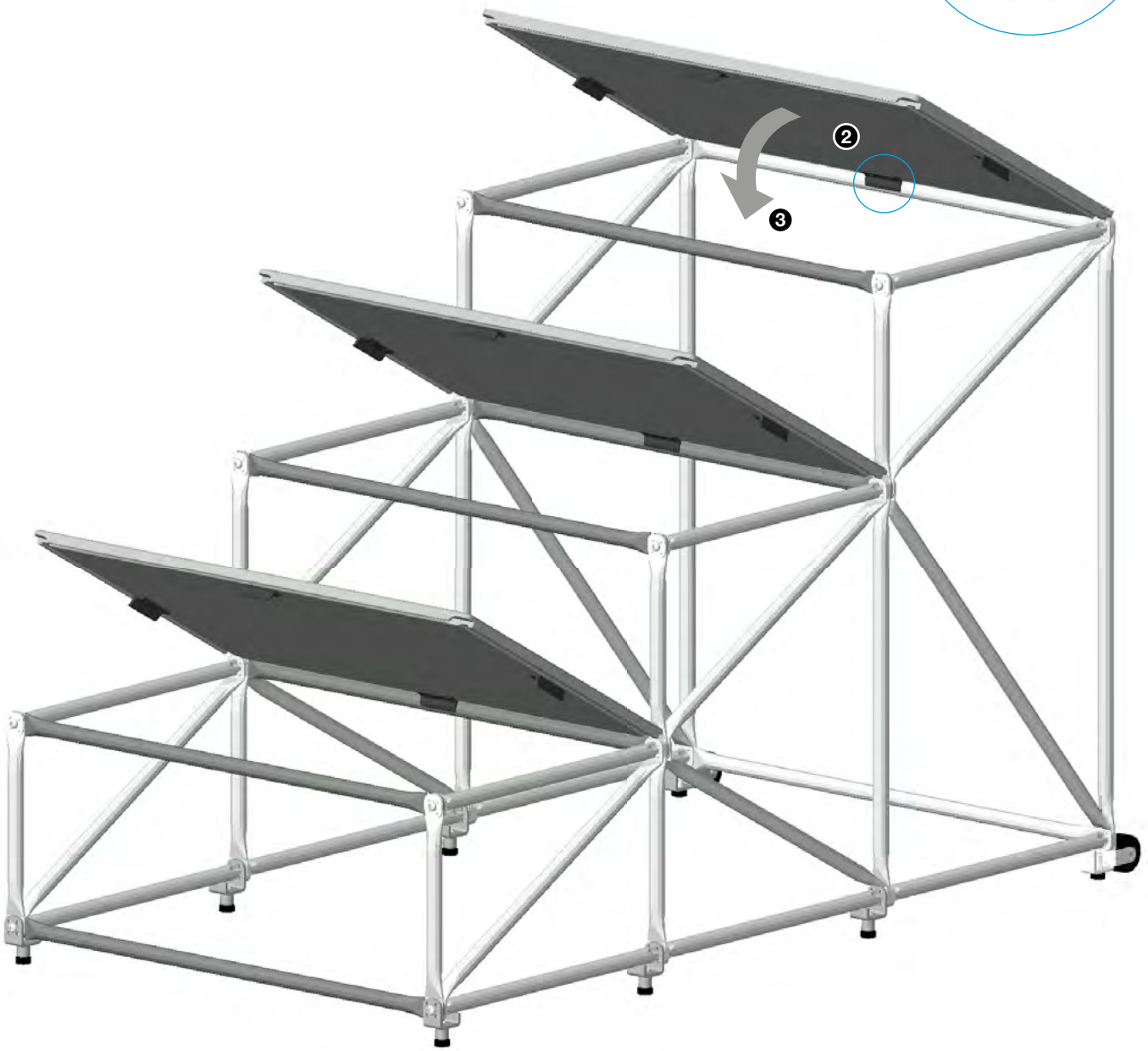
❶ Screw the clips in the appropriate place on the system base panel.

❷ First place one of the clips attached to the system base panel on one side of the rack.

❸ Then fold the base panel onto the frame and press it firmly.

❶

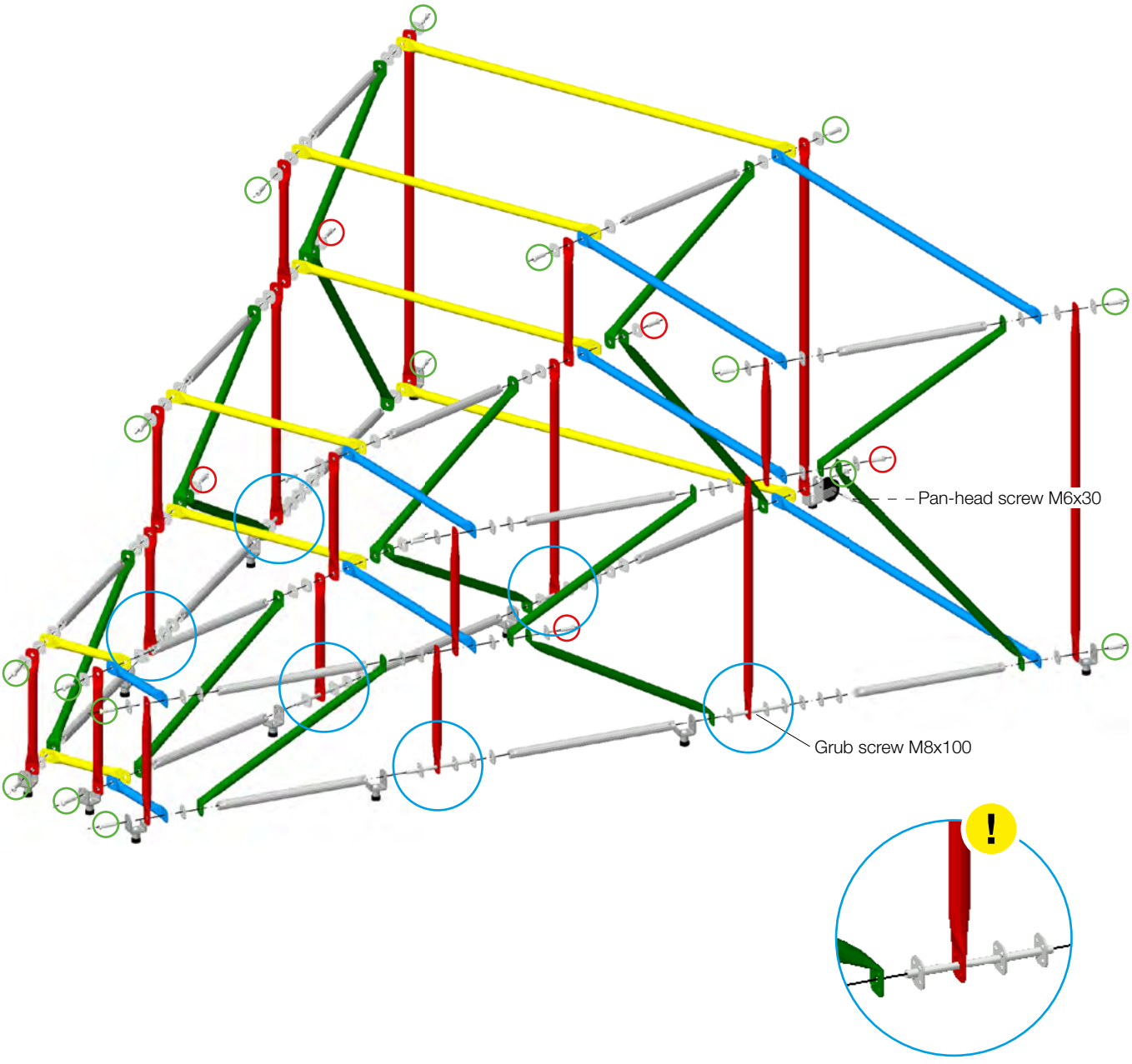




6.2 Bleachers moduls SitUp old

6.2.2 SitUp CE 45 old

- **Grub screw M8x100**
- **Allen screw M8x50**
- **Allen screw M8x70**



To assemble the Bleachers modul SitUp CE 45 you will need the following tools:

- **5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm**

6.2 Bleachers moduls SitUp old

6.2.2 SitUp CE 45 old

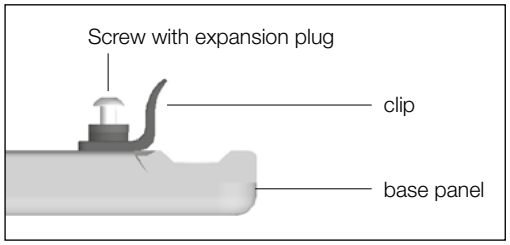
PZ2 Screwdriver

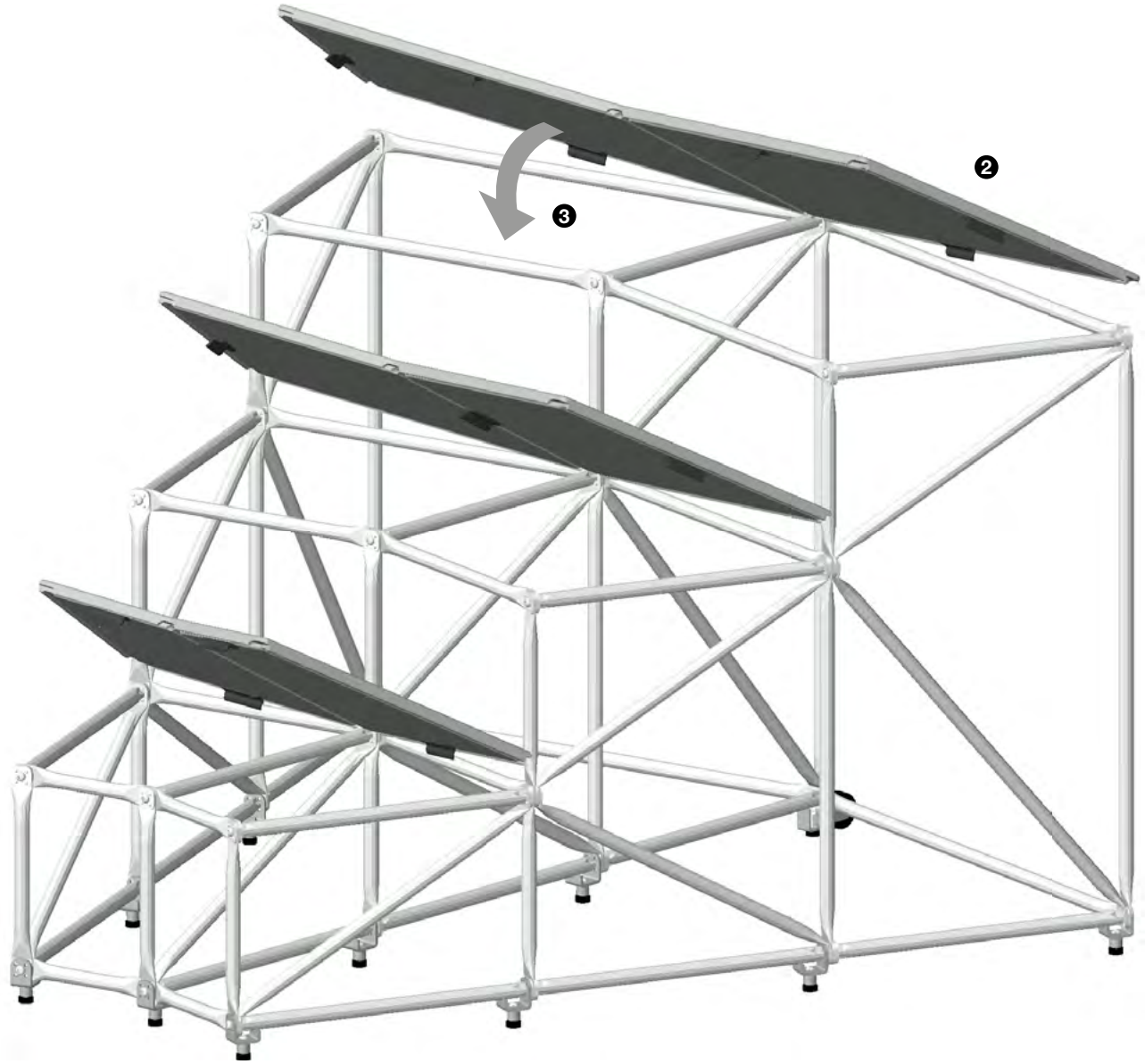
❶ Screw the clips in the appropriate place on the system base panel.

❷ First place one of the clips attached to the system base panel on one side of the rack.

❸ Then fold the base panel onto the frame and press it firmly.

❶

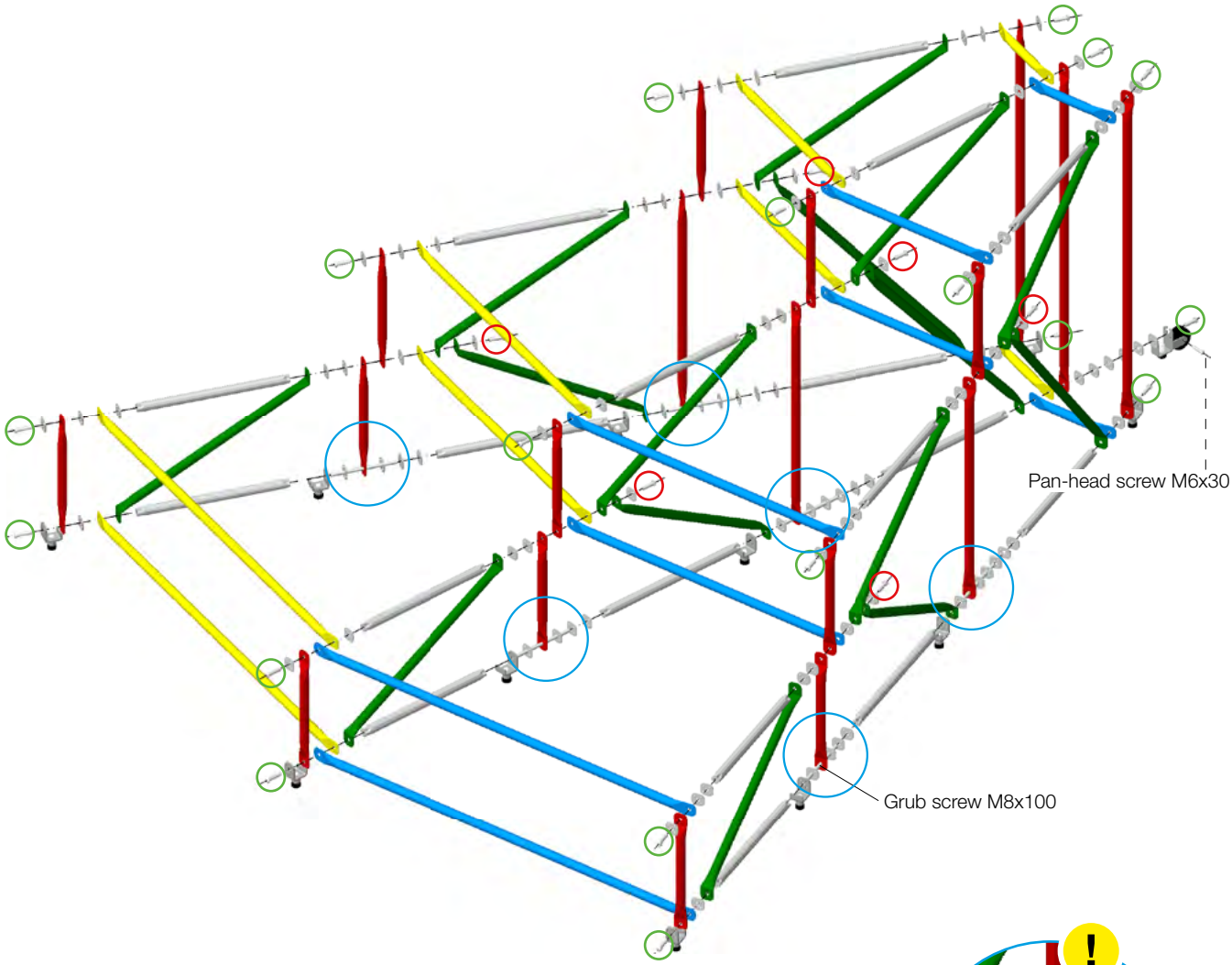


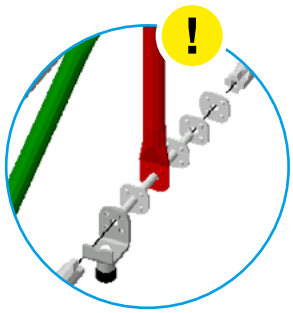


6.2 Bleachers moduls SitUp old

6.2.3 SitUp CX 45 old

- ! **Grub screw M8x100**
- **Allen screw M8x50**
- **Allen screw M8x70**





To assemble the Bleachers modul SitUp CX 45 you will need the following tools:

- **5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit; torque: approx. 7 Nm**

6.2 Bleachers moduls SitUp old

6.2.3 SitUp CX 45 old

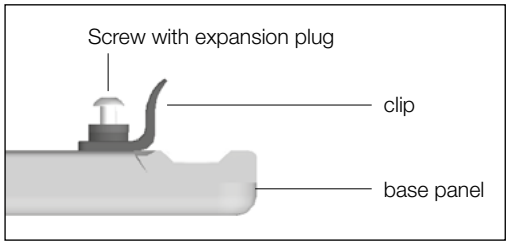
PZ2 Screwdriver

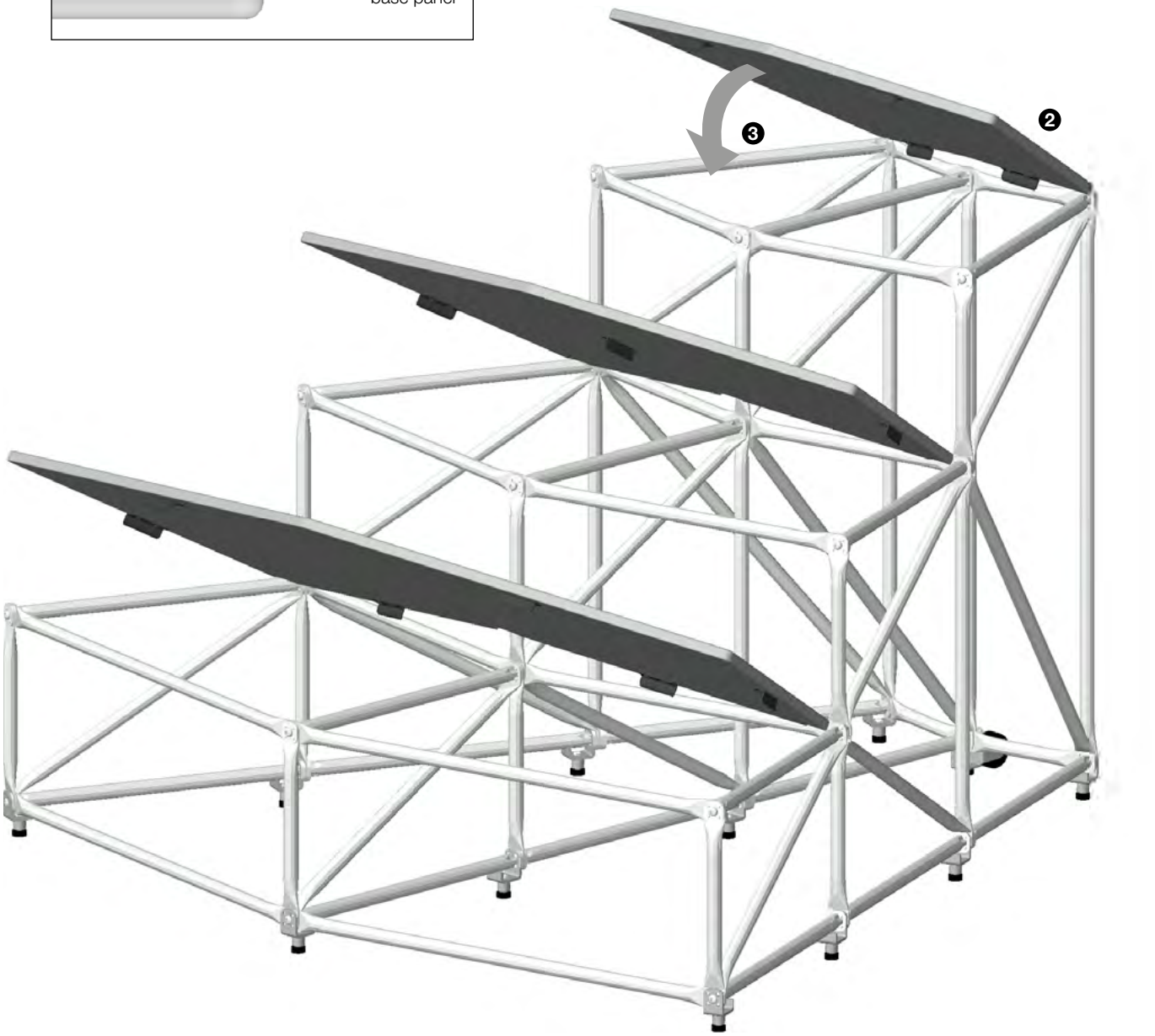
❶ Screw the clips in the appropriate place on the system base panel.

❷ First place one of the clips attached to the system base panel on one side of the rack.

❸ Then fold the base panel onto the frame and press it firmly.

❶





6.3 Hanging folder filer old version

6.3.1 Assembly hanging folder file old version

Phillips screwdriver

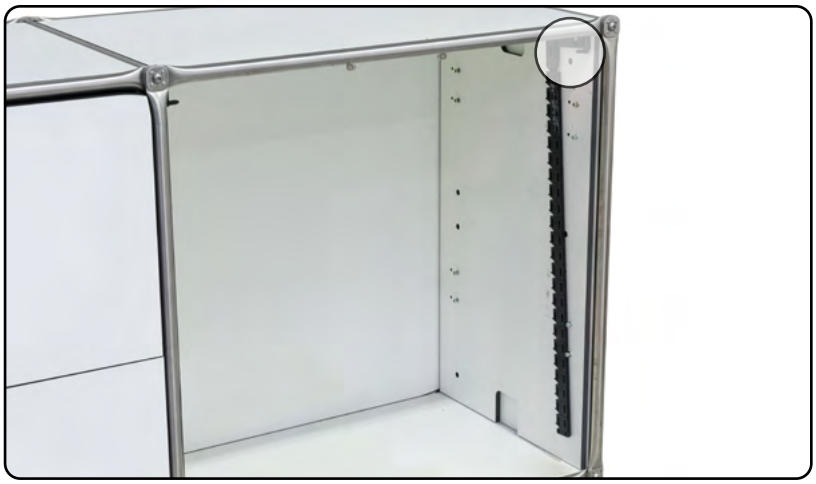
Check closing rod for straightness!

To mount the guide, the closing rod must be lifted.

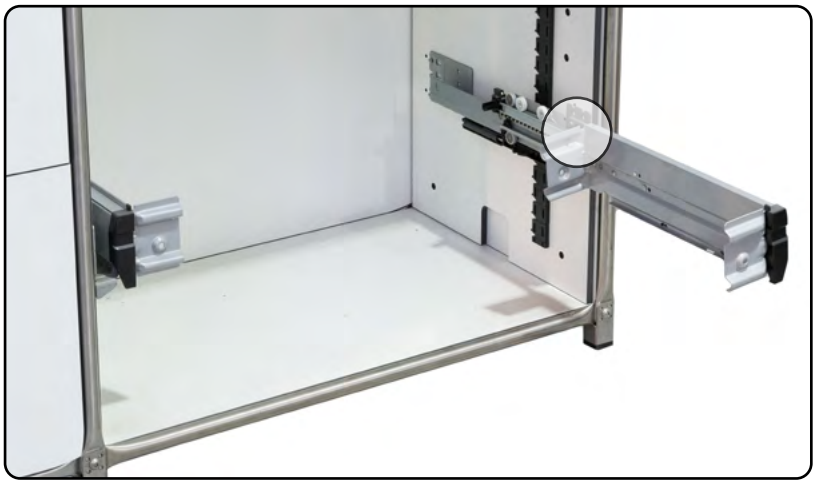
Mount the locking screw in step ❷!

Do not use lubricants!

❶ Place the central locking bars on the collar screw on both sides.



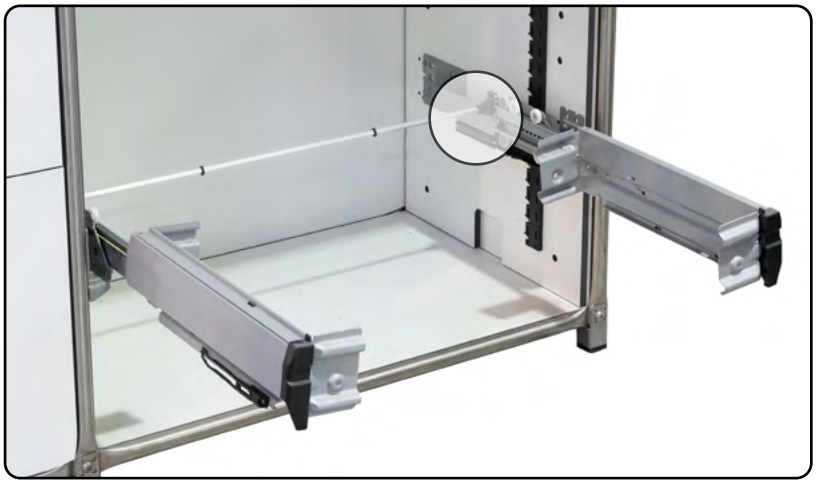
❷ Slide the roller guide onto the rear collar bolts first and then place it onto the front ones. Secure the roller guide with the appropriate screw.



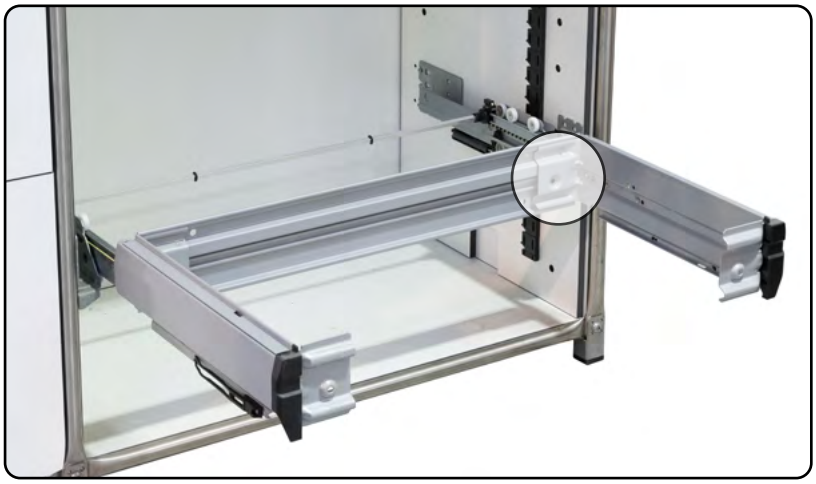
6.3 Hanging folder file old version

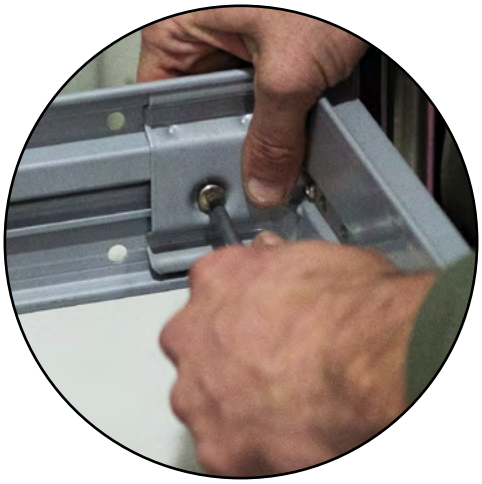
6.3.1 Assembly hanging folder file old version

❸ **Place the drive shaft in the adapters on both roller guides and lock them.**

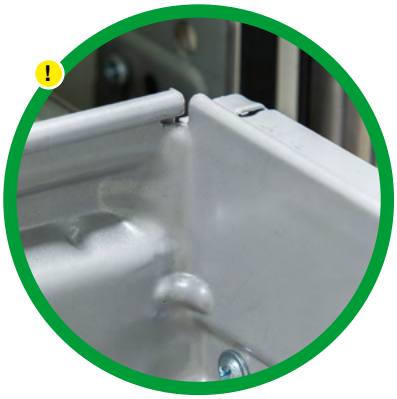


❹ **Hang the cover on the roller guide rail and screw it on.**





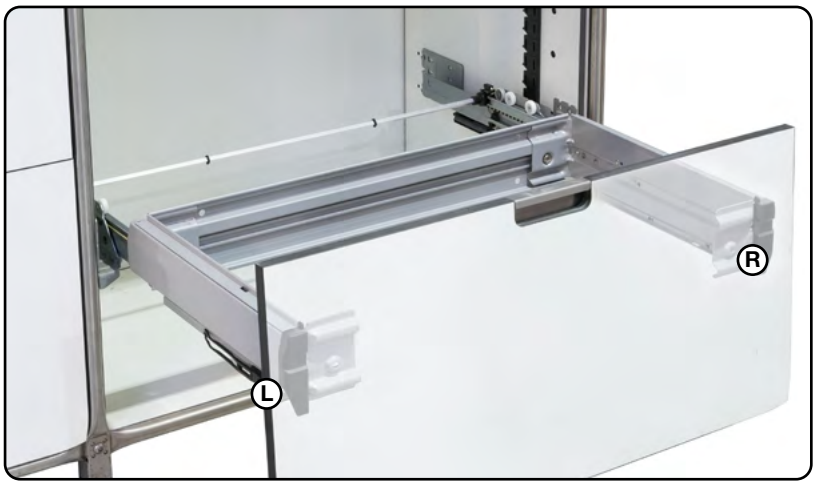
! **Make sure that the cover and rail are pushed together, otherwise the drawer cannot close.**

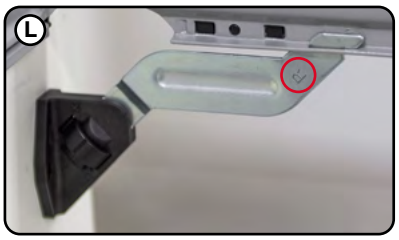


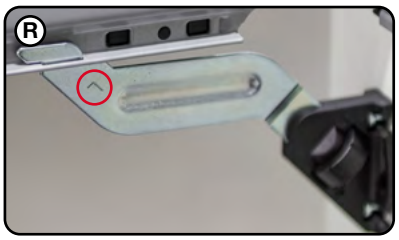
6.3 Hanging folder file old version

6.3.1 Assembly hanging folder file old version

❺ Fix the front panel with screws as well and insert the panel supports on both sides.





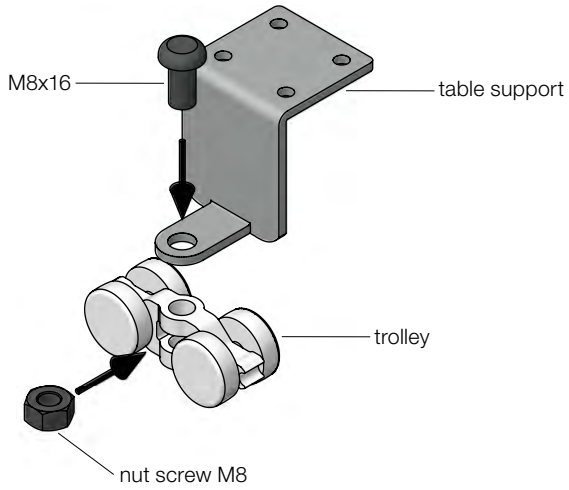


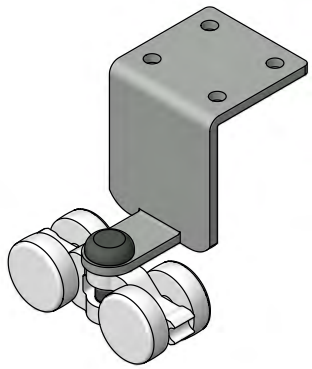
6.4 FlowTable

6.4 FlowTable

5mm Allen key

❶ Connect the trolley to the table support.

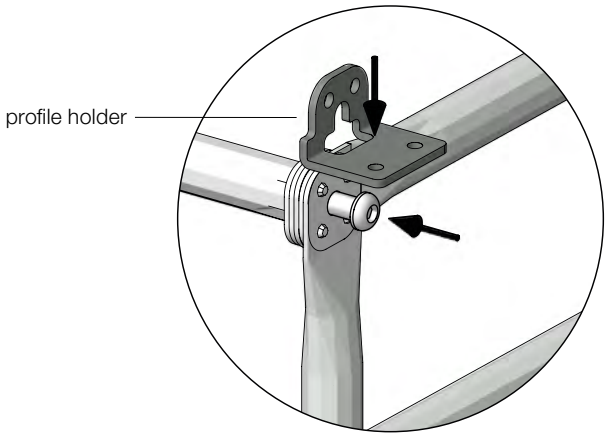


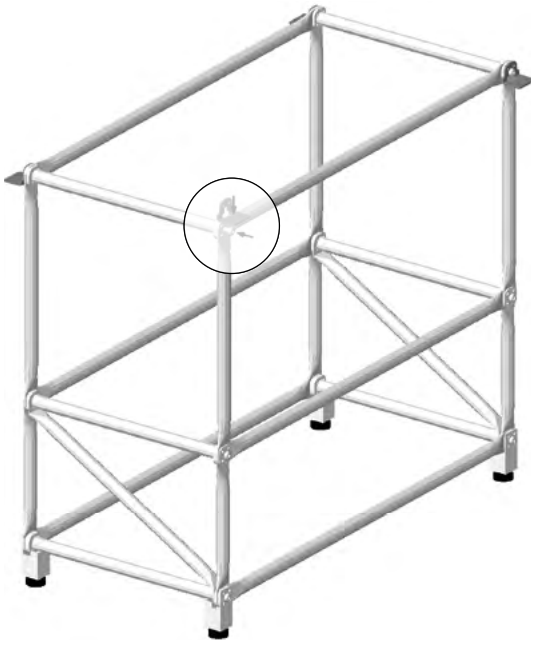


5mm Allen key

❷ Attach the profile holder to the shelf by loosening the screw, place the profile holder and retighten the screw.

! Make sure that you select the side with the runner profile for attachment.



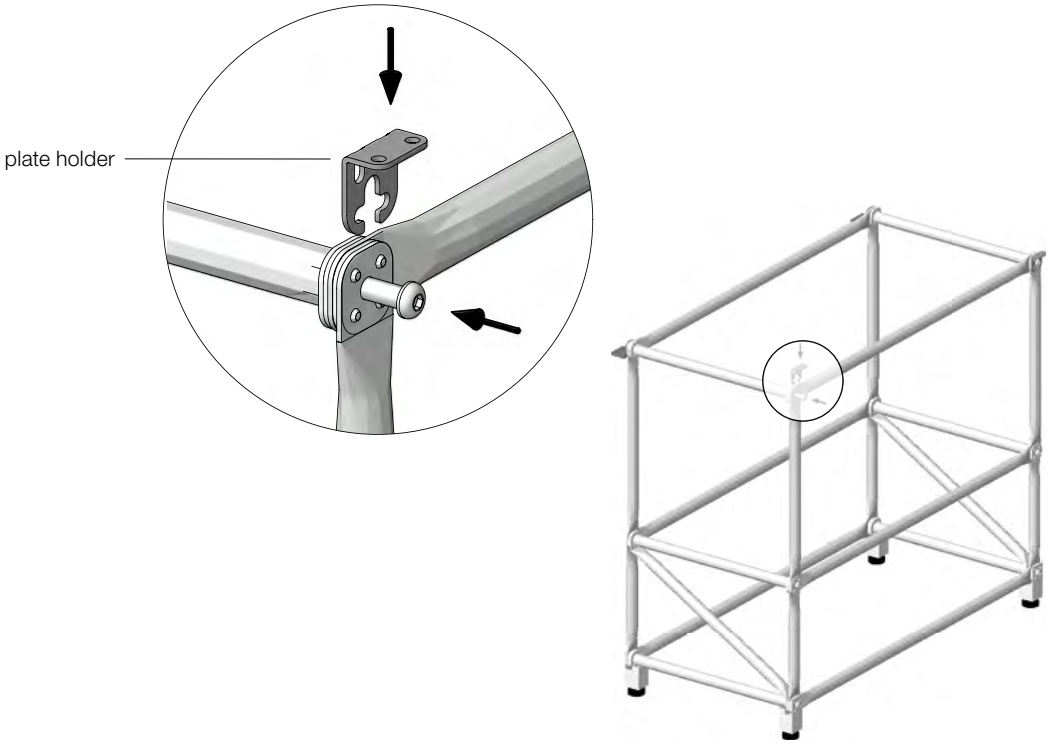


6.4 FlowTable

5mm Allen key

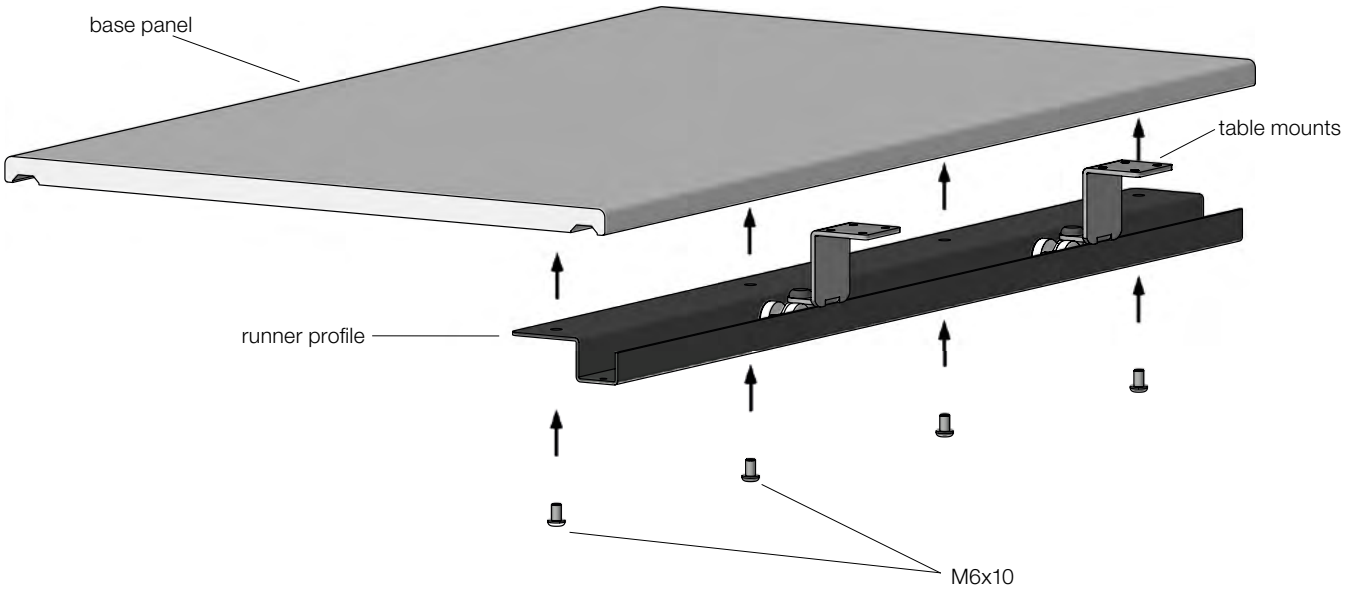
❸ Connect the plate holder to the shelf by loosening the screw, placing the plate holder and then retighten the screw.

! Make sure that you select the side without the runner profile for attachment.



4mm Allen key

❹ Prepare the runner profile. Insert the table mounts into the runner profile and screw the runner profile to the base panel from below.

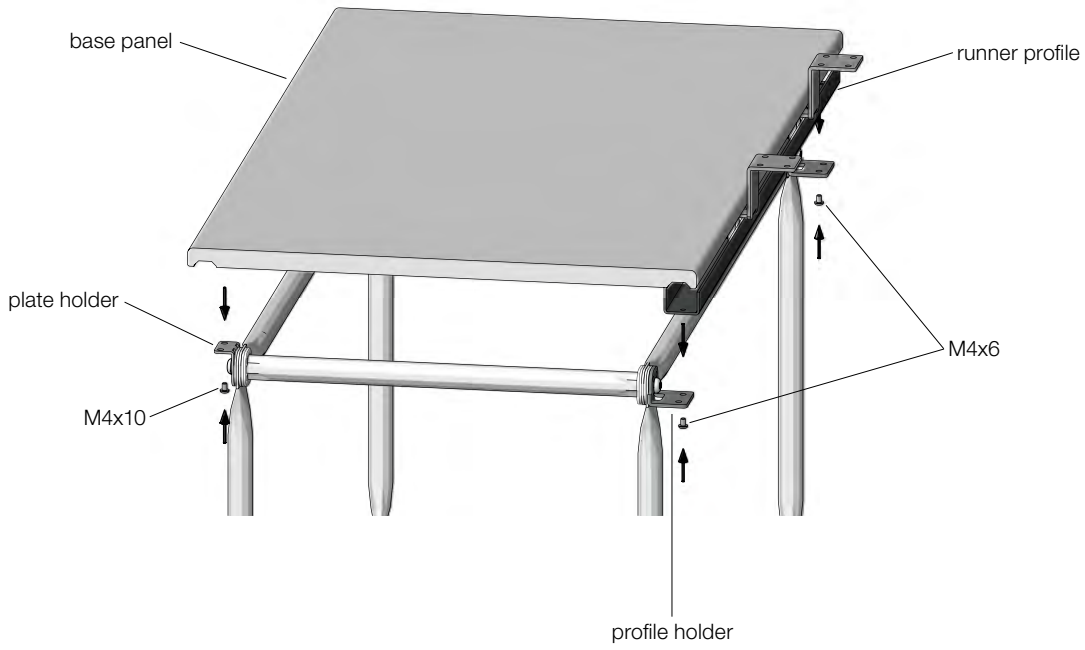


6.4 FlowTable

6.4 FlowTable

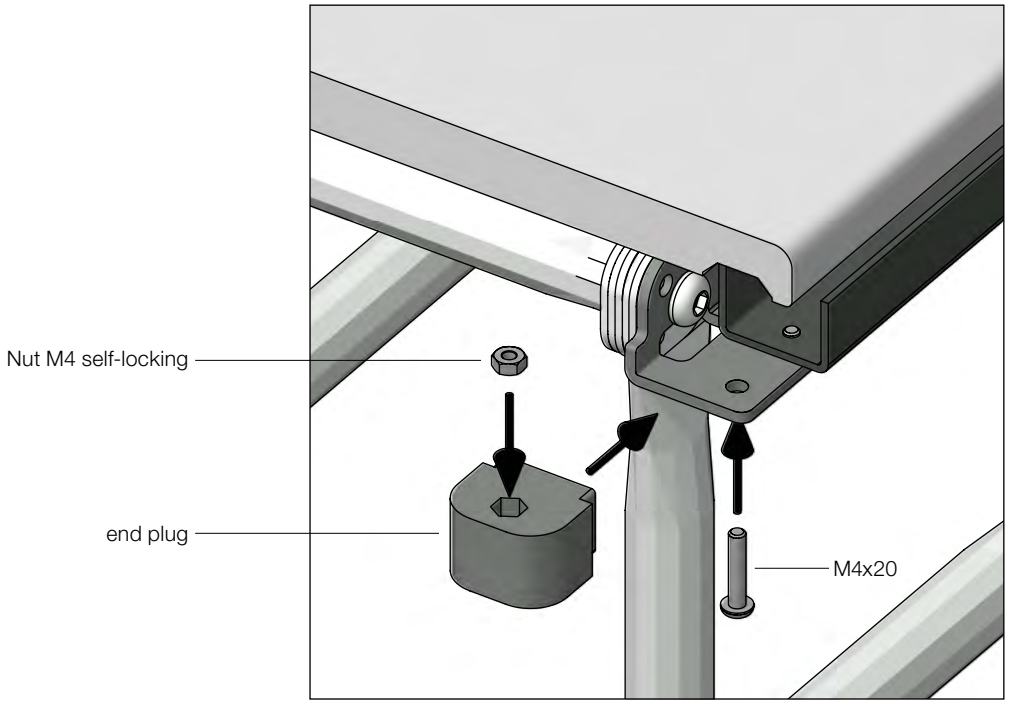
2,5 mm Allen key

❺ Verbinden Sie den Boden inklusive Laufprofil mit den Plattenaufnahmen und Profilaufnahmen.



2,5mm Allen key

❻ Attach the end plug to the runner profile and screw it to the profile holder.



6.4 FlowTable

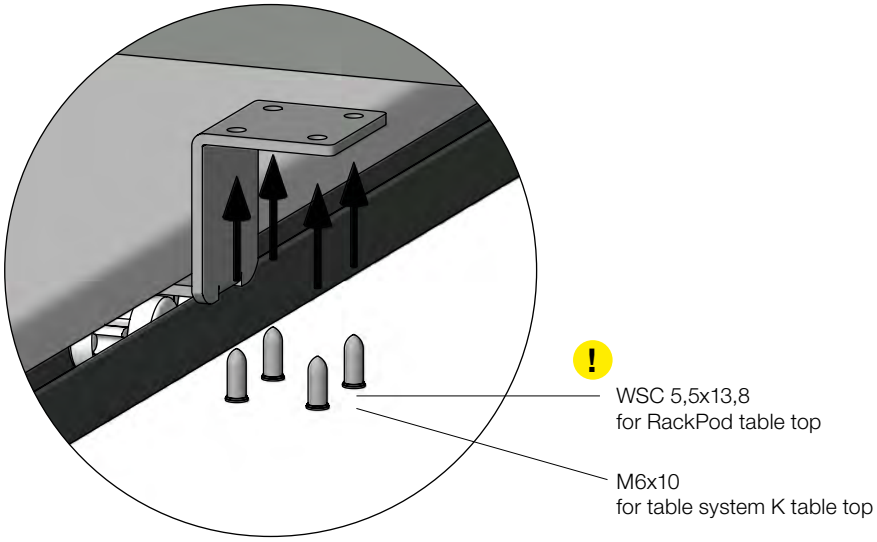
6.4 FlowTable

PZ2 Phillips screwdriver or cordless screwdriver / 4mm Allen key

❼ To connect the base panel to the table top, screw the table top to the table mounts.

! Attention: For a RackPod table top, use WSC 5.5x13.8 screws.

! Attention: For a table system K table top, use M6x10 screws.

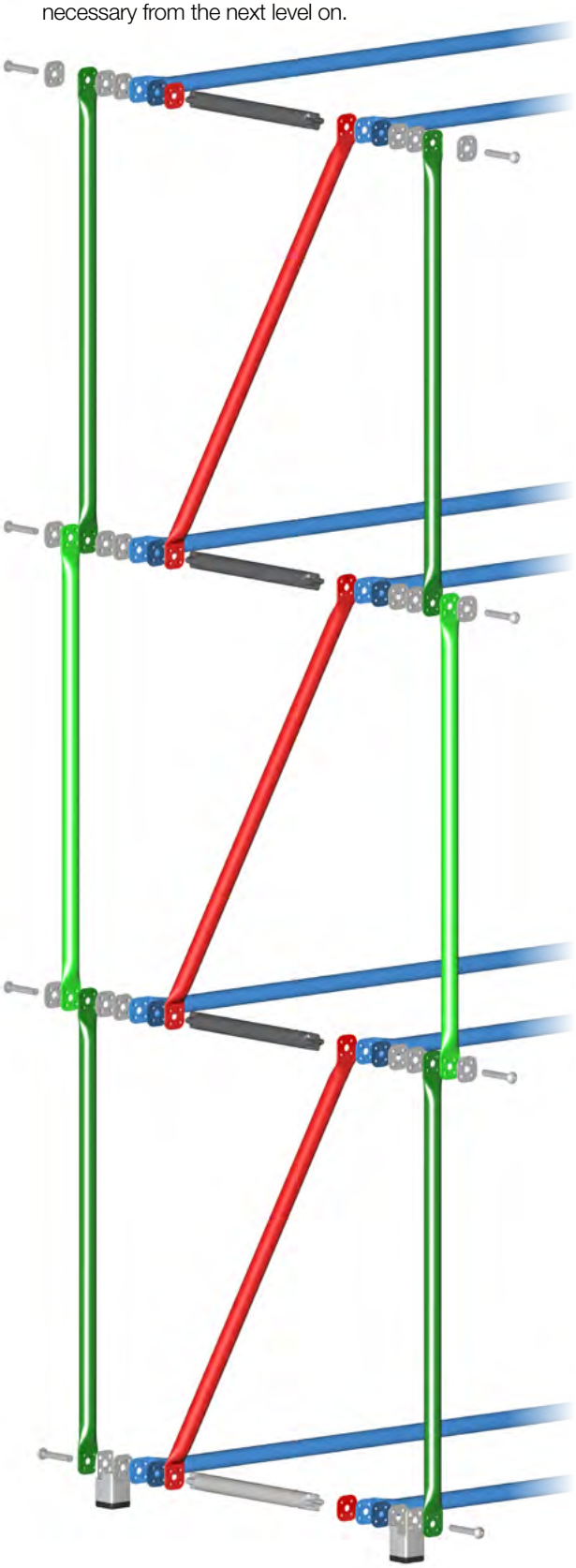


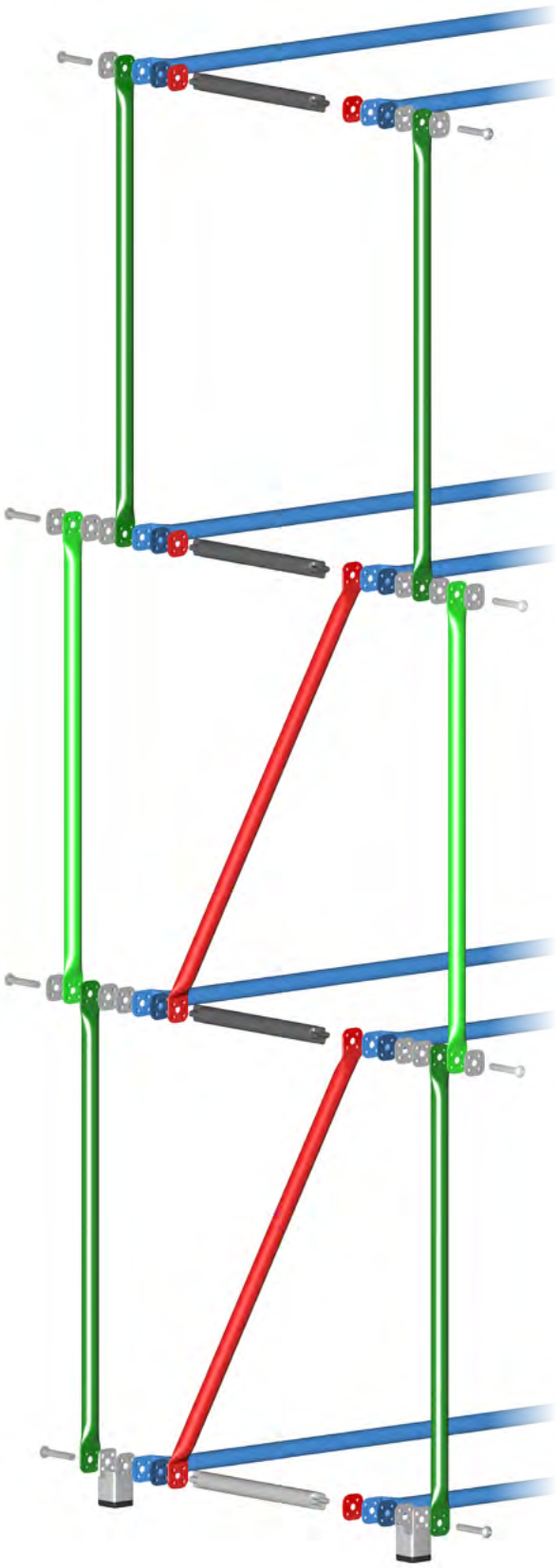
6.5 Basic structure

6.5 Special rule for module with depth T210 and height > 540

Note on assembly: When using diagonal bars in the T210 combination and at a height of 540 or greater, the assembly is subject to a special arrangement.

! Pay special attention to the differing spacing between the bars! The vertical bars are not offset as they would be in the standard version. Aside from this, 2 additional positions are inserted between the horizontal and the vertical bars. When you replace the diagonal bars with side panels, the vertical bars jump back into their standard positions. The additional positions are no longer necessary from the next level on.

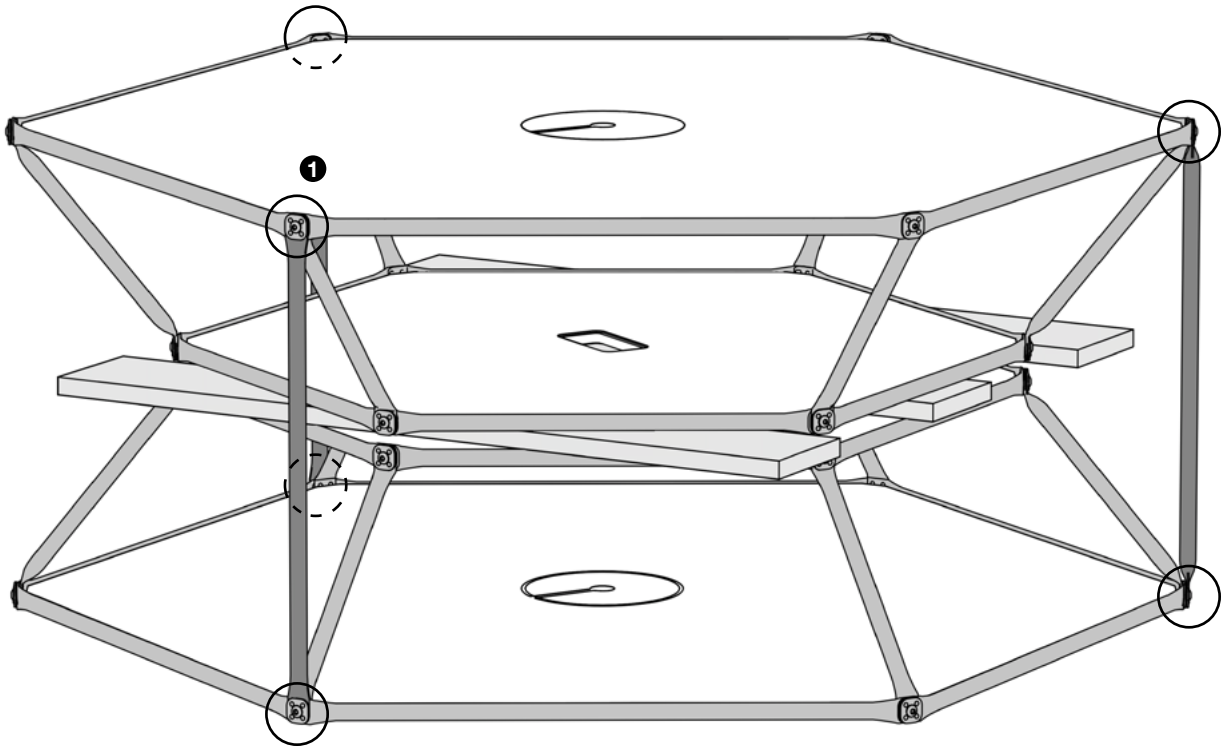




6.6 Design Thinking Line®

6.6 DT-Line Table T6 transportation lock

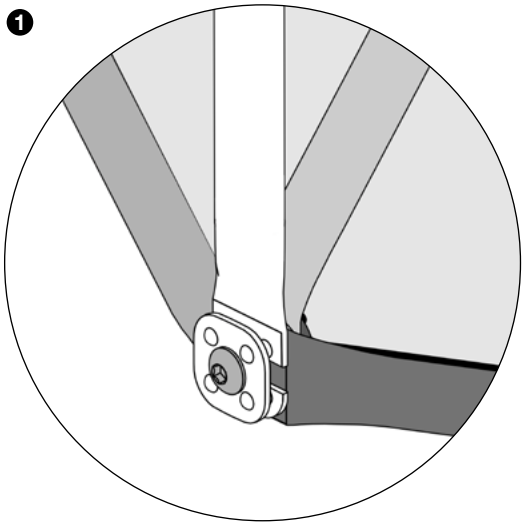
We recommend doing this assembly work on the best cushioned, cleanest and most level surface available.

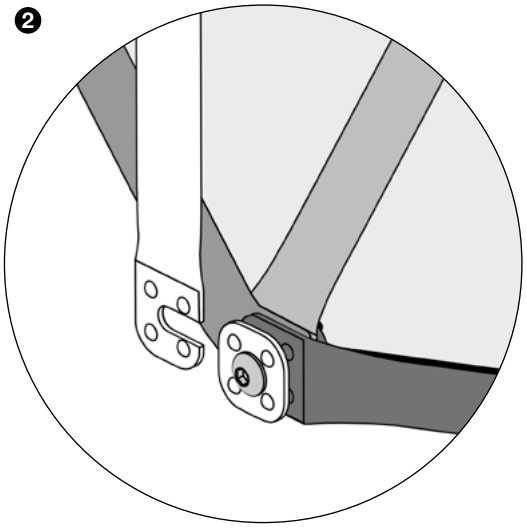


1 Release the six nodes of the transportation lock only far enough so that the bar can be removed.

2 The three transport lock bars can be taken out to the side as shown.

3 The nodes must be tightened again. Subsequently, the assembly of the legs can be carried out (see 14.3.3 DT-Line Table T6 partially assembled Part 1).





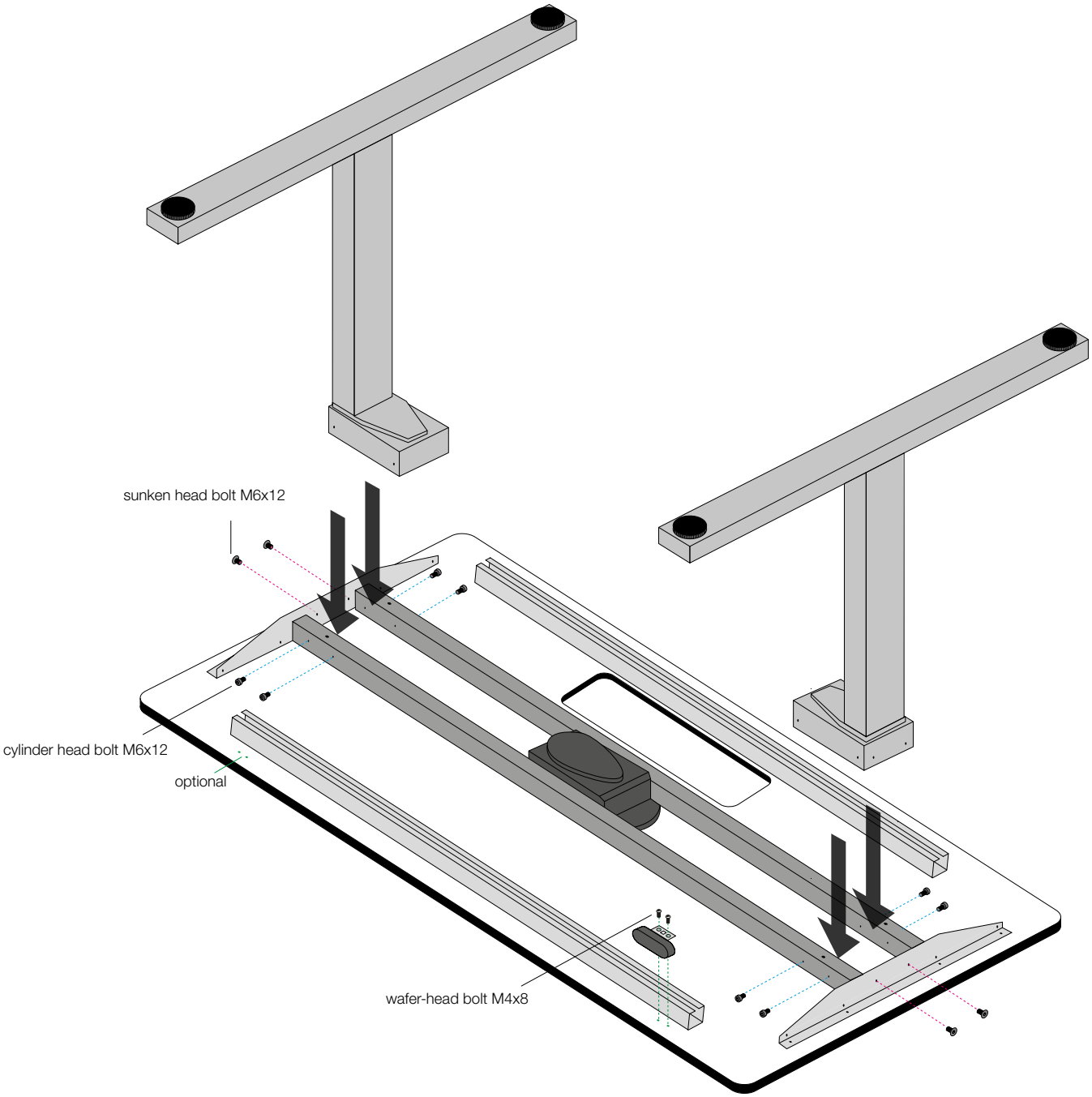
6.7 Sit/Stand desk old

6.7.1 Sit/Stand desk partial assembly

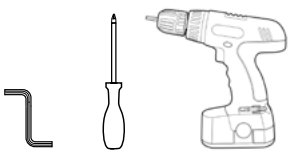
❶ First put both table legs between the rails.

❷ Tighten the table legs by screwing the bolts in.

❸ Now screw the controller on to the designated position (left or right).



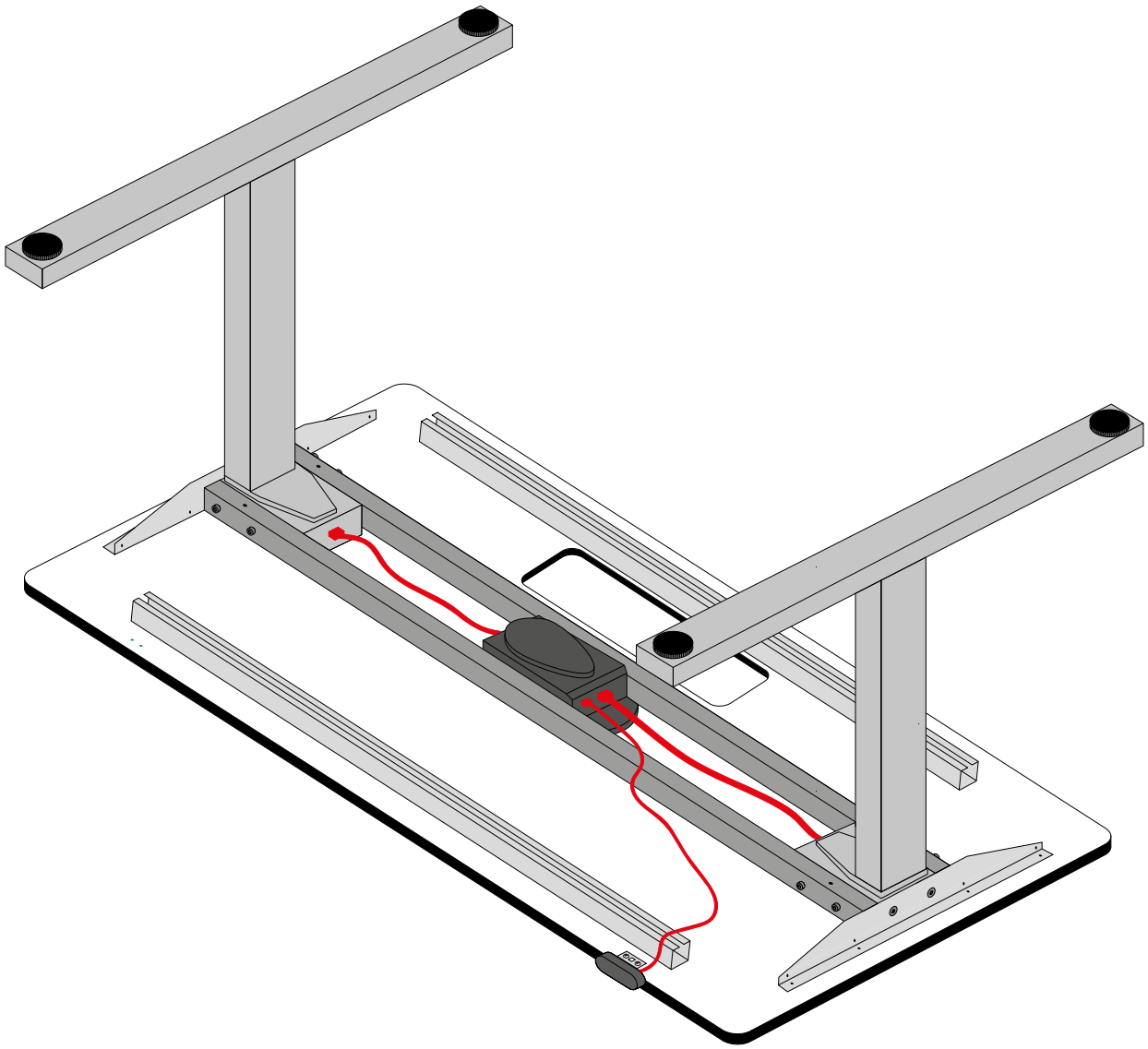
To assemble the Sit-Stand desk you will need the following tools:
· 4 & 5 mm hex (Allen) key or cordless electric screwdriver with the appropriate screwdriver bit
To assemble the controller you will need:
· Phillips head screwdriver



6.7 Sit/Stand desk old

6.7.2 Sit/Stand desk electricity supply

❶ **Put the cords in the designated plugs.**

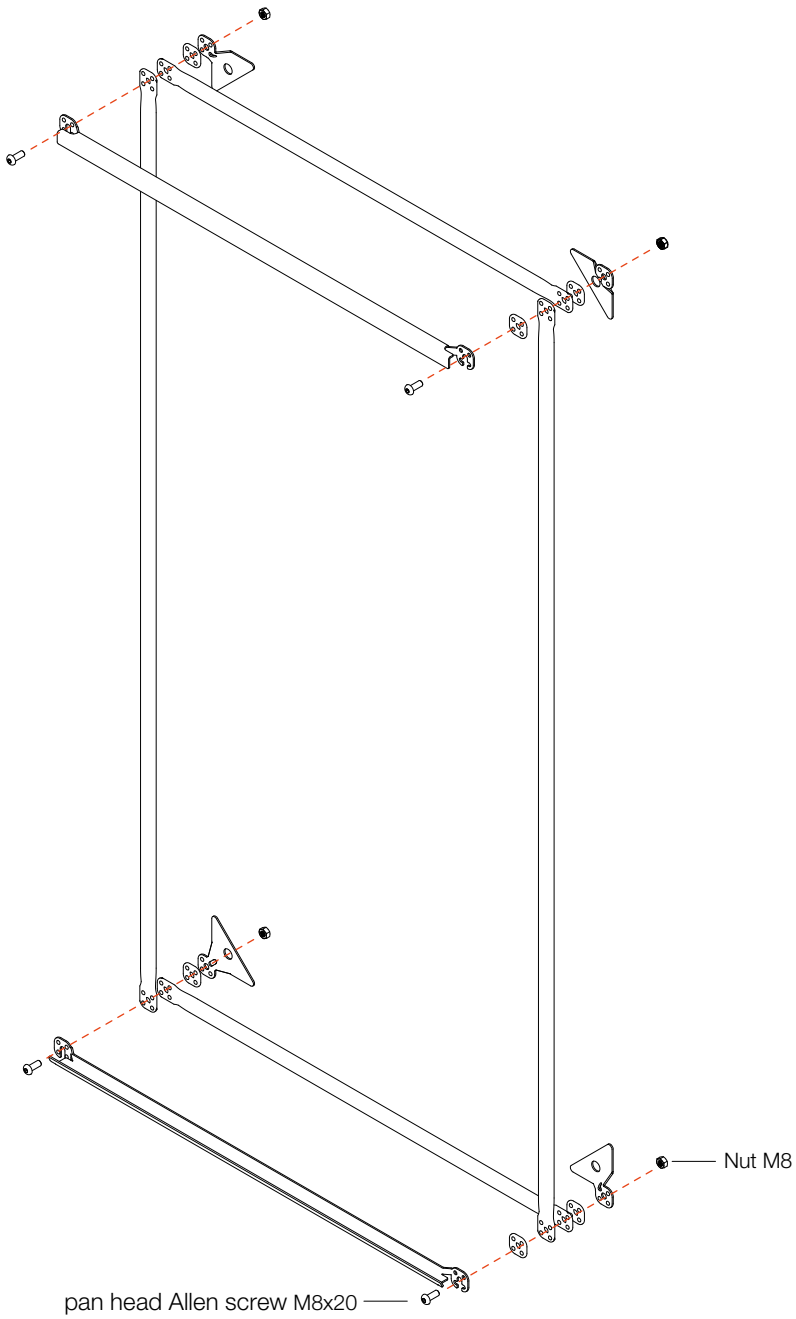


6.8 WallRail Pro before 2024

6.8.1 WallRail Pro single

❶ First screw the frame together as shown.

! Note: Make sure to follow the assembly logic (roof tile principle) from chapter 3.11.1.



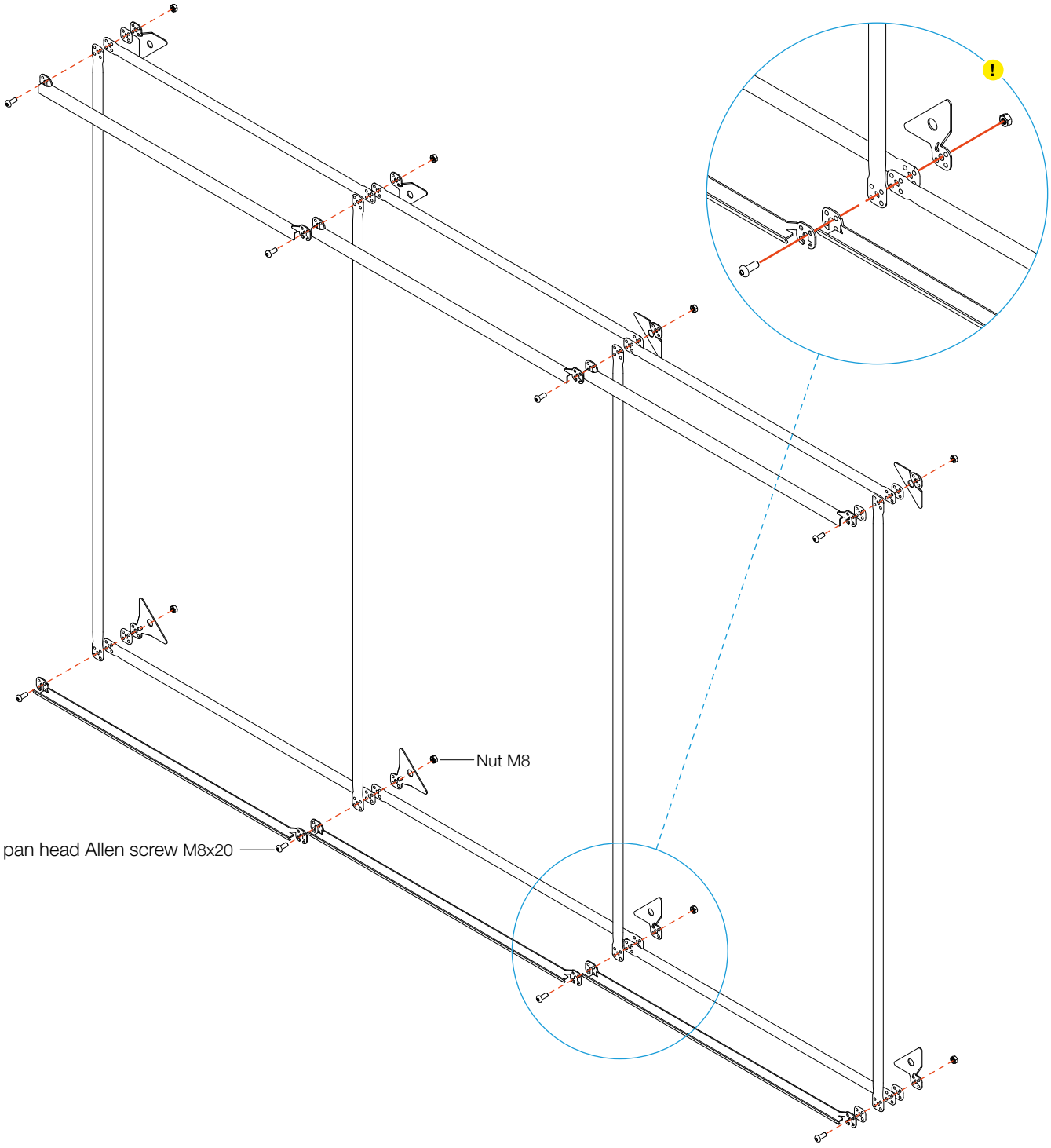
To assemble the WallRail Pro you will need the following tools:
· 5 mm Allen key
· Open-end wrench 13 mm

6.8 WallRail Pro 2024

6.8.2 WallRail Pro multiple

❶ **First screw the frame together as shown.**

! **Note: Make sure to follow the assembly logic (roof tile principle) from chapter 3.11.1.**



To assemble the WallRail Pro you will need the following tools:
· 5 mm Allen key
· Open-end wrench 13 mm

6.8 WallRail Pro 2024

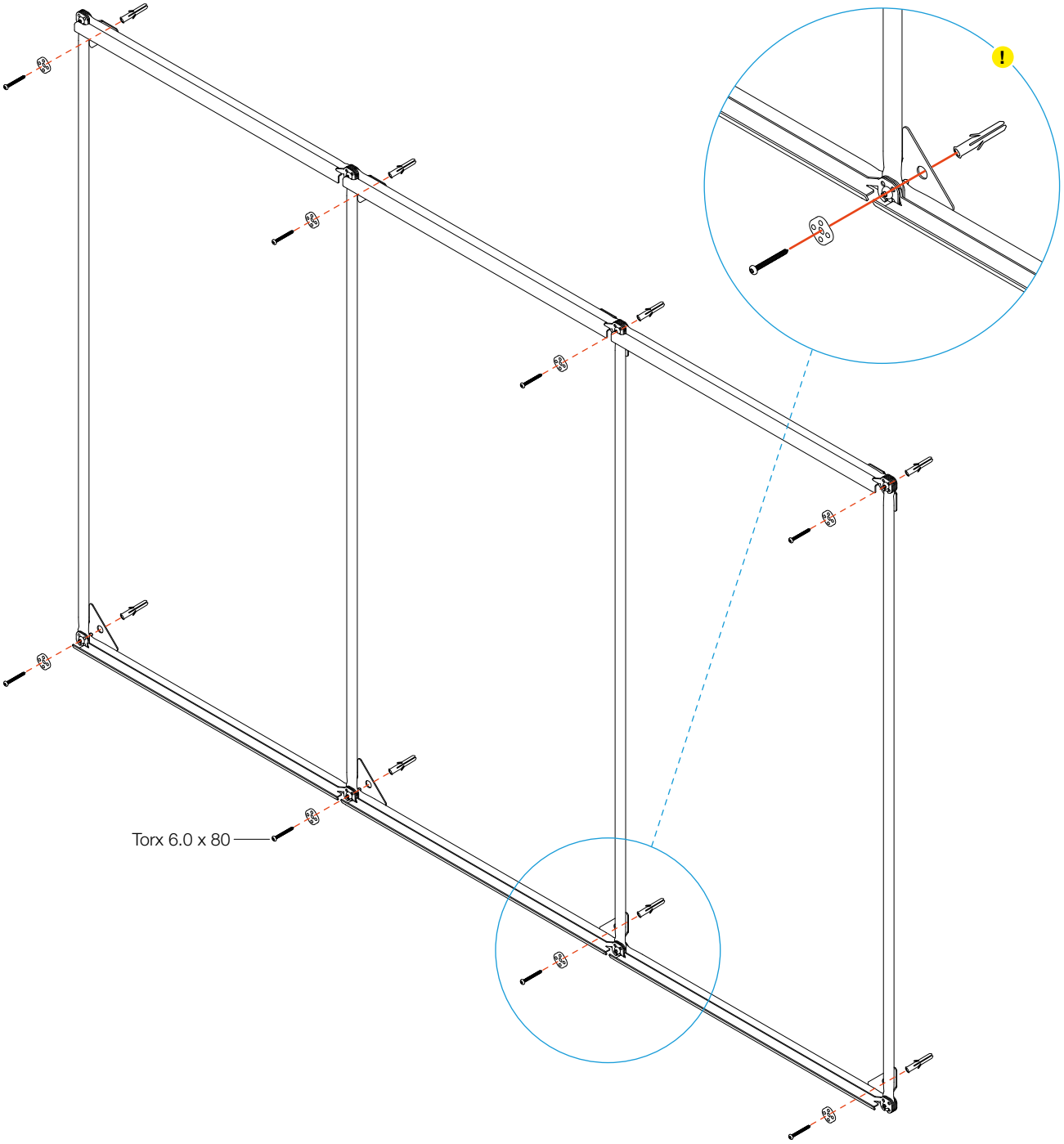
6.8.3 WallRail Pro wall mounting

❶ **Hold the assembled frame at the desired position on the wall and draw the points for the drill holes.**

❷ **Drill holes for the dowels in the marked points on the wall.**

❸ **Fasten the WallRail Pro to the wall with the appropriate screws.**

! **Note: A knobbed washer is placed between the screw and the mounting bracket.**



To assemble the WallRail Pro you will need the following tools:
· Torx of 25
· 10 mm rock drill