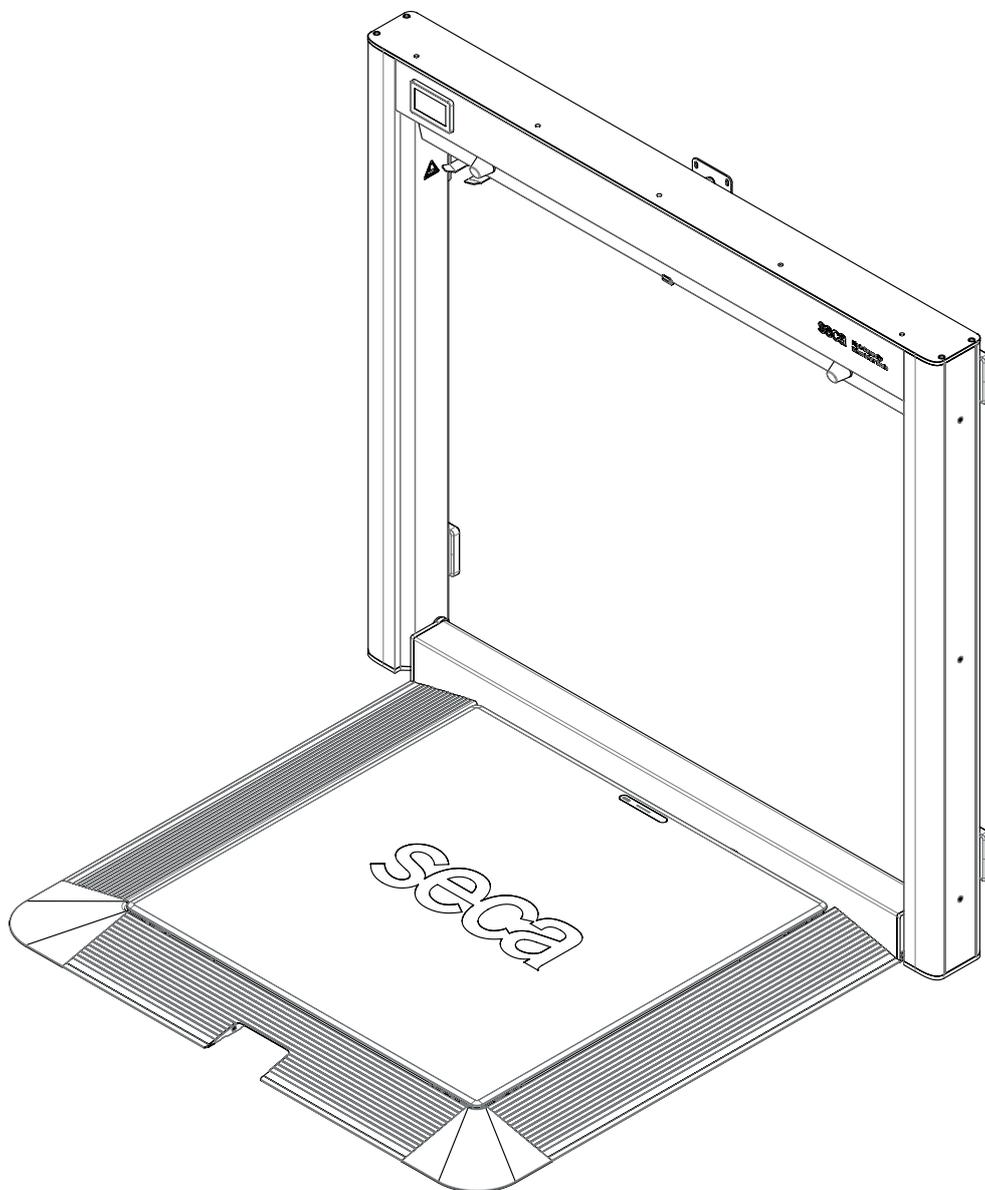


seca 620

Assembly Instructions

17-10-06-653-002a_2025-11S



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1 SAFETY PRECAUTIONS

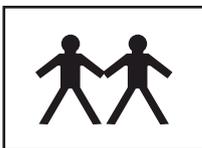


WARNING!

Injury from device falling over, heavy device parts

Heavy parts have to be moved during the assembly process. The device may fall over before it is firmly anchored to the wall.

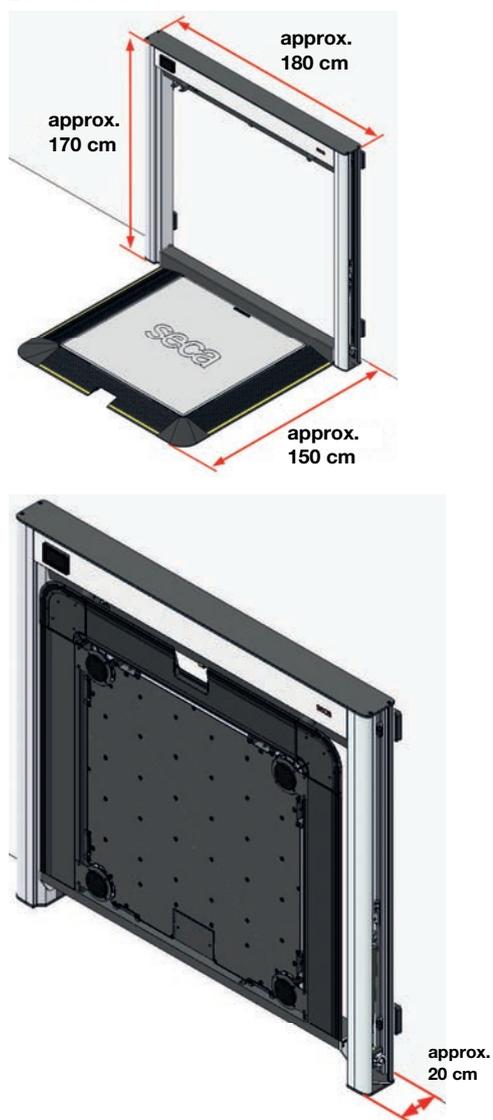
- Use two persons to perform the entire assembly process.



2 PRE-DELIVERY PREPARATIONS

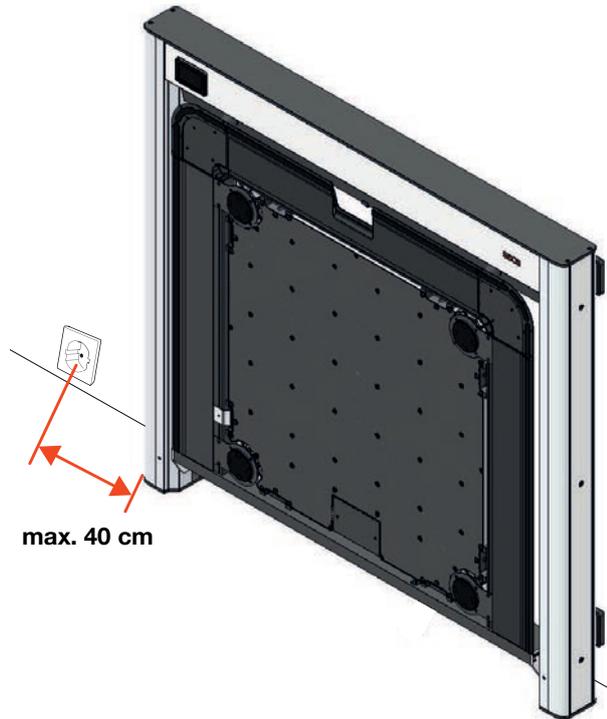
Finding a suitable setup location for the device

Dimensions:



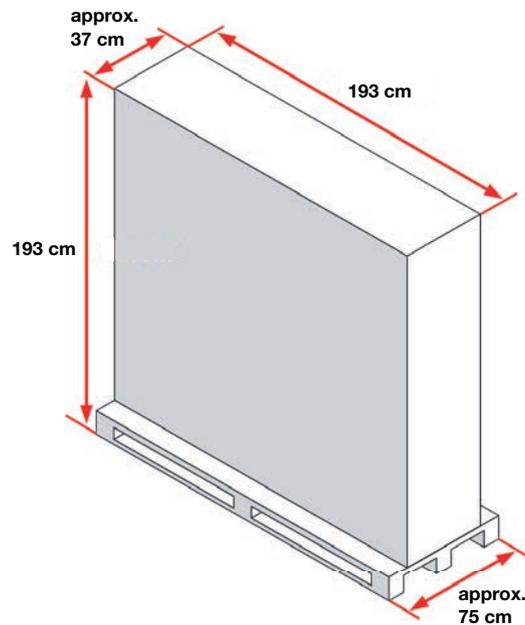
Power supply and LAN connection if required

1. Ensure that the device can be supplied with mains voltage (socket) and if necessary a LAN connection at the assembly location. The cable length of the power supply unit allows a maximum distance of 40 cm between column and center of the power supply socket.



Transporting to setup location

Please note the weight and dimensions of the packaging:



- Weight incl. packaging: approx. 170 kg
- Dimensions incl. packaging: 193 cm x 193 cm x 75 cm
- Weight without packaging: approx. 115 kg

Checking the load-bearing capacity of the wall at the setup location



WARNING!

Injury from device falling over

If the device is inadequately secured, the wall frame may become detached from the wall. The device may fall over and hit persons.

- ▶ Make sure that the static requirements on the wall are met. The wall must be able to withstand the required forces.

1. Check the load-bearing capacity of the wall. If necessary, reinforce the wall. If in doubt, seek the advice of a building expert.
 - Each individual screw and every wall plug must be able to bear an extraction force of at least 260 N/26 kg (direction of force at right angles to the wall).
 - The wall surface behind each wall bracket must be able to withstand a compressive force of at least 2400 N/240 kg (direction of force at right angles to the wall).
2. Screw on each wall bracket and the additional tilt protection with four screws/wall plugs respectively.

Checking the cables in the wall

1. Check whether any pipes (water, gas) or cables (e.g. power supply, network, telephone) run behind the wall at the setup location.
2. Find a more suitable setup location, if necessary.

Checking the floor



WARNING!

Faulty measurement

- ▶ Select a setup location with a stable, level and clean floor in order to achieve precise measuring results.



CAUTION!

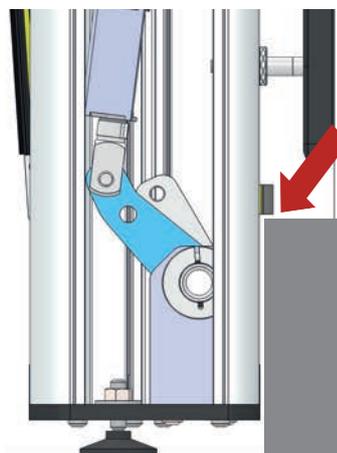
Faulty measurement as a result of devices being set up incorrectly

- ▶ Assemble the scale at a location where the floor unevenness is a maximum of 3 mm. Irregularities of up to 3 mm can be compensated by using the adjusting feet and foot shells.

1. Check that the floor is level.

Checking the skirting board

1. If the depth of the skirting board is large, e.g. 49 mm, its height must not exceed 200 mm.



Mounting elements required (not included in the scope of delivery)

You will require a total of 20 screws (max. diameter = 8.5 mm) and suitable wall plugs. Each individual screw and every wall plug must be able to bear an extraction force of at least 260 N/26 kg (direction of force at right angles to the wall).

Tools required

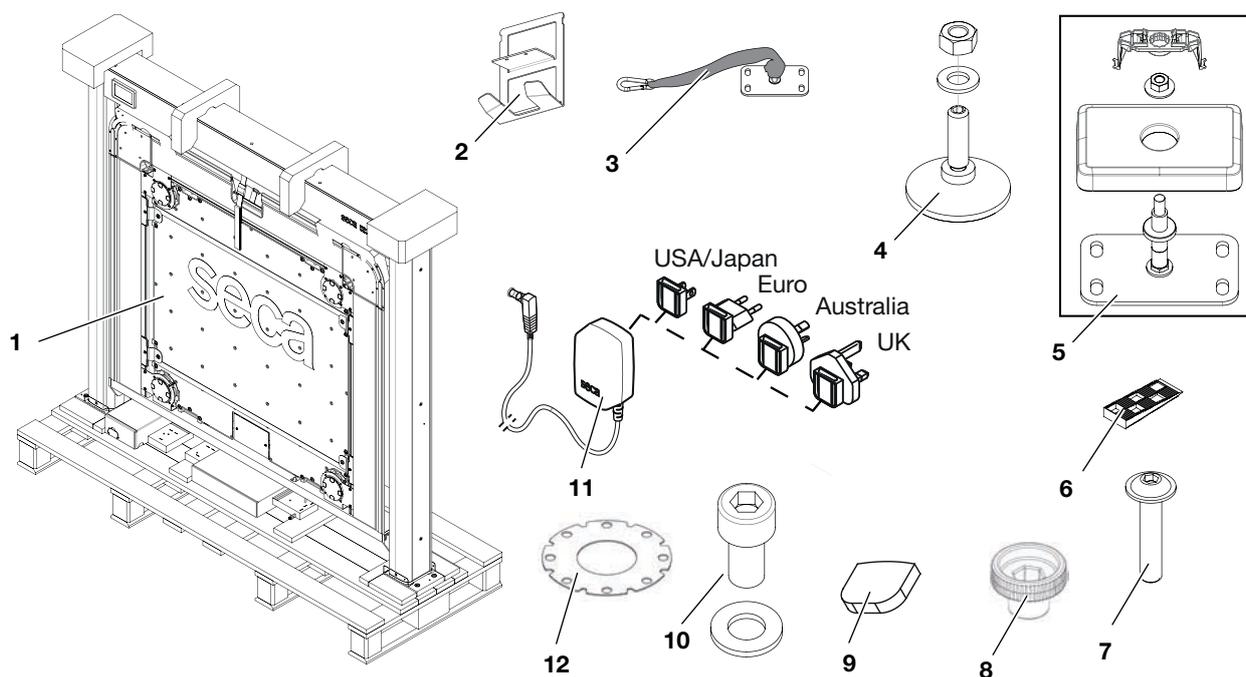
You need the following metric tools:

- Open-ended spanner, 17 mm
- Torque wrench featuring a torque range of 2 Nm to 20 Nm with matching accessories:
 - Hex socket wrench, 2.5 mm
 - Hex socket wrench, 3 mm
 - Hex socket wrench, 4 mm
 - Hex socket wrench, 5 mm
 - Hex socket wrench, 8 mm
 - Socket wrench, TX40 or socket wrench, 12 mm
 - Extension 100 mm
- Pencil
- Drill
- Drill bit (suitable for wall plug diameter and wall type)
- Folding rule
- Sheet of paper (DIN A4/US letter)

Ambient temperature

In order to allow for the correct settings on the device during assembly (particularly the gas spring), the device must be acclimated to ambient temperature prior to assembly. The maximum warm-up and/or cooling time is 8 hours.

3 SCOPE OF DELIVERY



Item	Component	Pcs.
1	Device	1
2	Scanner bracket (with 2 hex head socket screws M4x16)	1
3	Tilt protection	1
4	Adjusting foot (with washer and nut)	2
5	Wall bracket (with plastic cover, clip and nut)	4
6	Wedge (positioning aid for assembling the weighing platform)	2
7	Hex head socket screw, M4x20	16
8	Special tool	1
9	Adhesive pad	16
10	Hex head socket screw, M10x20 (with washer Ø 10.5 mm)	2
11	Plug-in power supply unit with adapters	1
12	Shim	6
-	Assembly instructions	1
-	Quick guide	1

4 UNPACKING THE DEVICE



WARNING!

Injury from device falling over, heavy device parts

The device may fall over before it is firmly anchored to the wall. Persons in the vicinity may suffer serious injury.

- ▶ Make sure that at least one person holds the device steady as long as it is standing up and not yet secured to the wall.

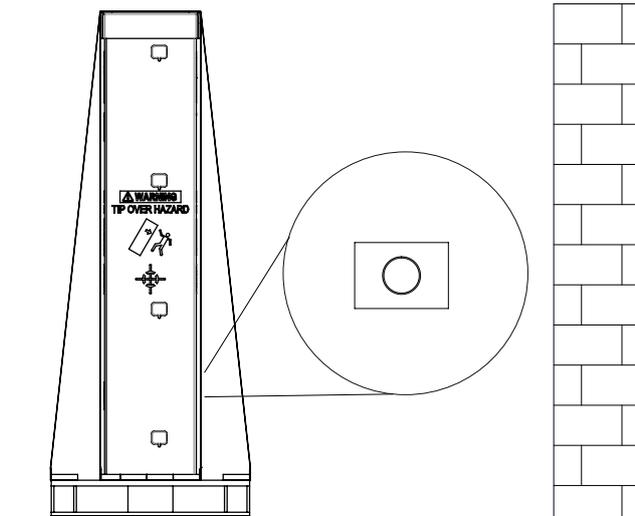


WARNING!

Personal injury, damage to device

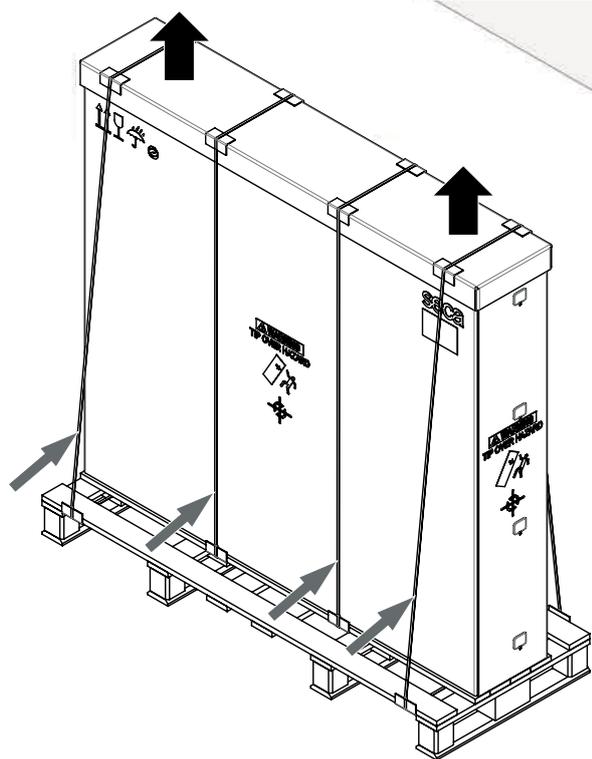
If the securing straps and packaging parts are removed too early, persons may be injured or the device may be damaged.

- ▶ Remove the securing straps, packaging parts, padded parts and protective films in the order stated in the instructions.
1. Position the packaged device near the wall onto which it is to be mounted (recommendation: Distance to the wall approx. 2.5 m; position to the left or right of the assembly location approx. 2 m).
 2. Position the device so that the following label is facing the wall:

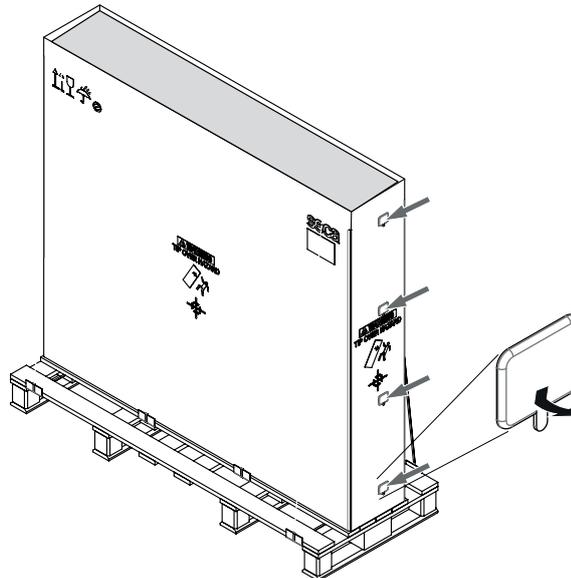


3. Remove the ties.

4. Remove the cover.

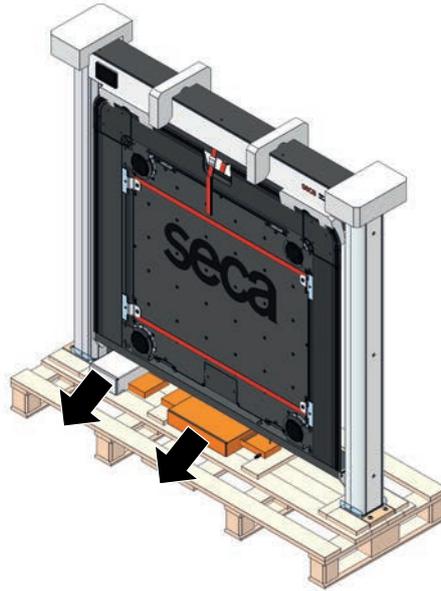


5. Release the 8 clip locks: Lift up lower tab and remove clip lock (4 on each side).



6. Remove the two corrugated cardboard dividers.

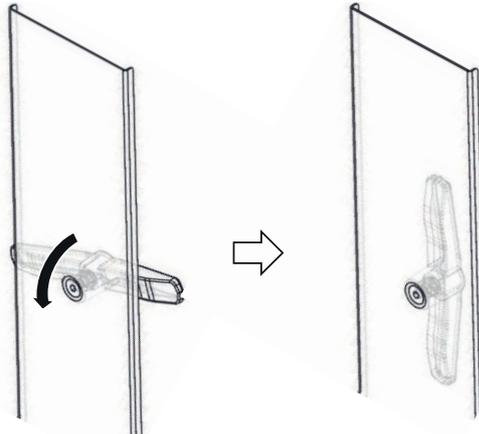
7. Remove the two cardboard boxes (contents: Assembly instructions and assembly set).



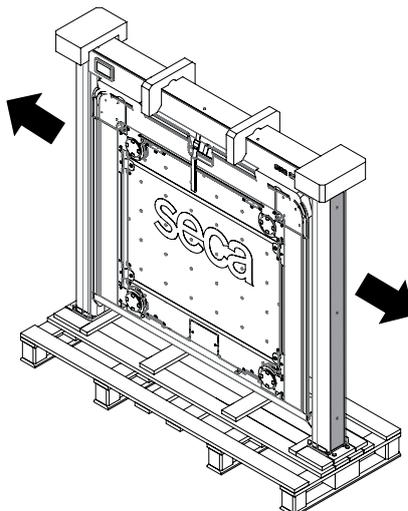
NOTE

To protect the device during its assembly, start by leaving all packaging parts, securing straps and protective films on the device. These assembly instructions will indicate when you can remove each of these parts.

8. Remove the two side covers as follows:
 - a) Turn the 3 screws by approx. 90° (4 mm hex socket), until the latch releases internally.

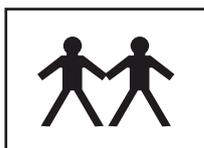


b) Remove side covers.

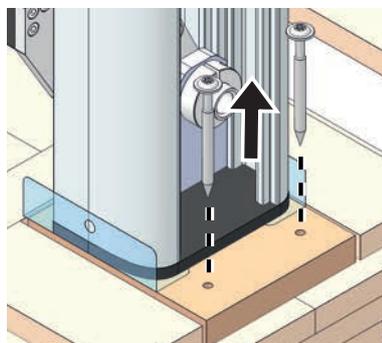


WARNING!
Injury from device falling over, heavy device parts

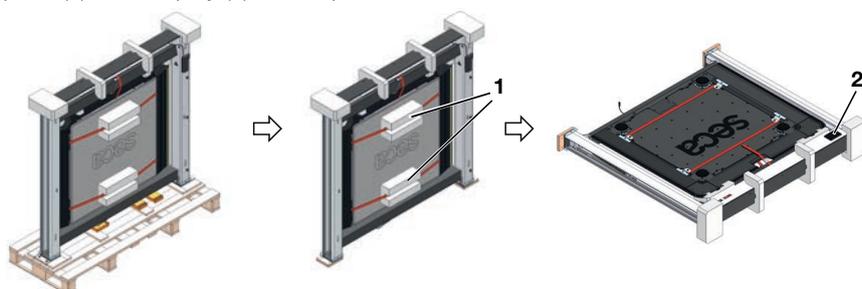
► During the following step, one person must hold the device steady on the pallet.



9. Remove the 4 screws (using a screwdriver TX40 or open-ended spanner, 12 mm) and the washers.



10. Lower the device off of the pallet and set the device down on the side with the side pads (1). The display (2) faces upward.



NOTE

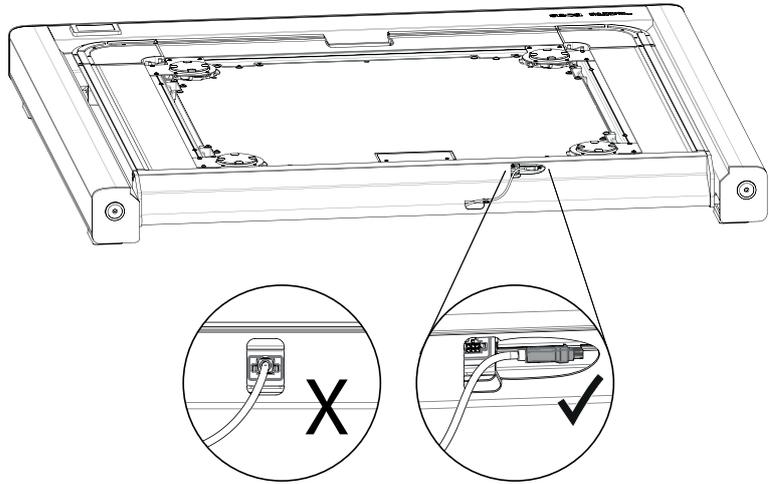
Leave all the illustrated packaging parts and securing straps on the device.

NOTICE!

Damage to device

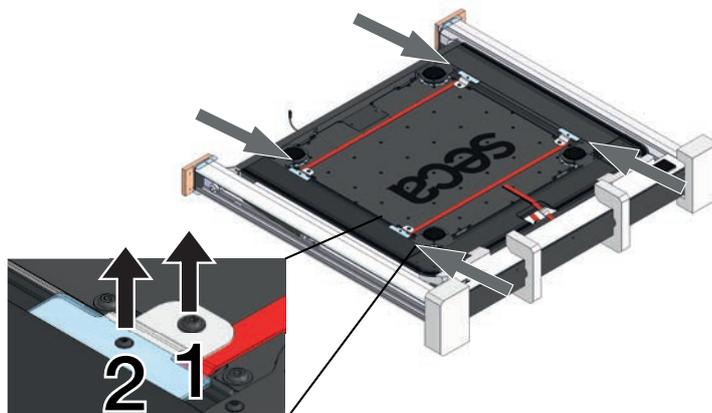
If the cable is already delivered connected to weighing platform, it will become damaged in the following assembly steps.

- ▶ Make sure that the cable is stowed in the profile.

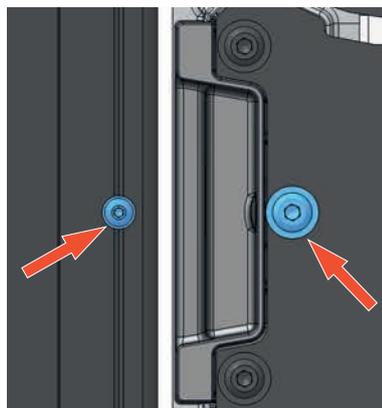


5 RELEASING WEIGHING PLATFORM FROM RAMP FRAME

1. Remove the four M8 screws (1) from the transport plates (5 mm hex socket wrench).
2. Remove the four M5 screws (2) from the transport plates (3 mm hex socket wrench).

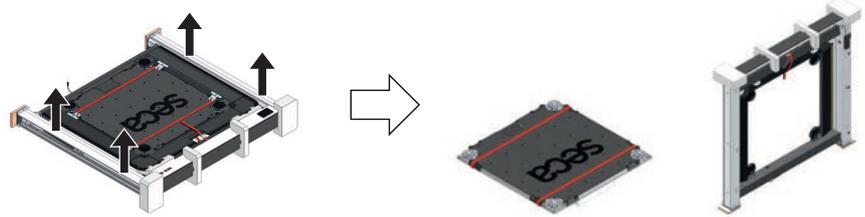


3. Remove the four transport plates and all washers.
⇒ The weighing platform is detached from the wall frame and is lying on the pads.
4. Re-insert the M8 screws and tighten them up (12 Nm).
5. Re-insert the M5 screws and tighten them up.
6. Make sure not to screw the securing straps on along with the screws.



6 FITTING THE ADJUSTING FEET

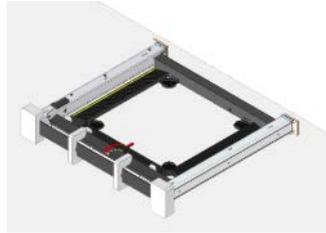
1. Lift up the wall frame from the weighing platform.



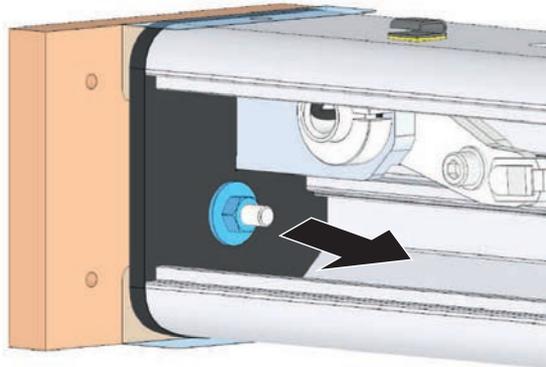
NOTE

Make sure that the upper pads are still in place.

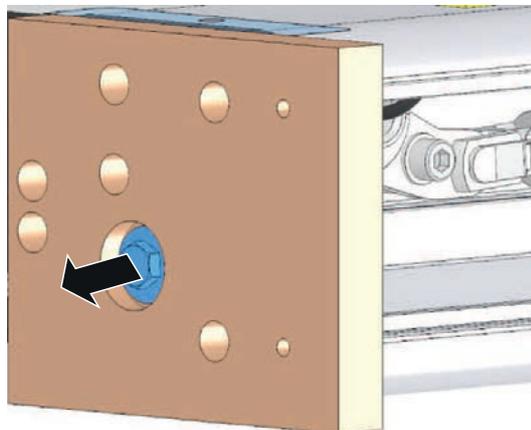
2. Place the wall frame on the floor (display faces the floor).



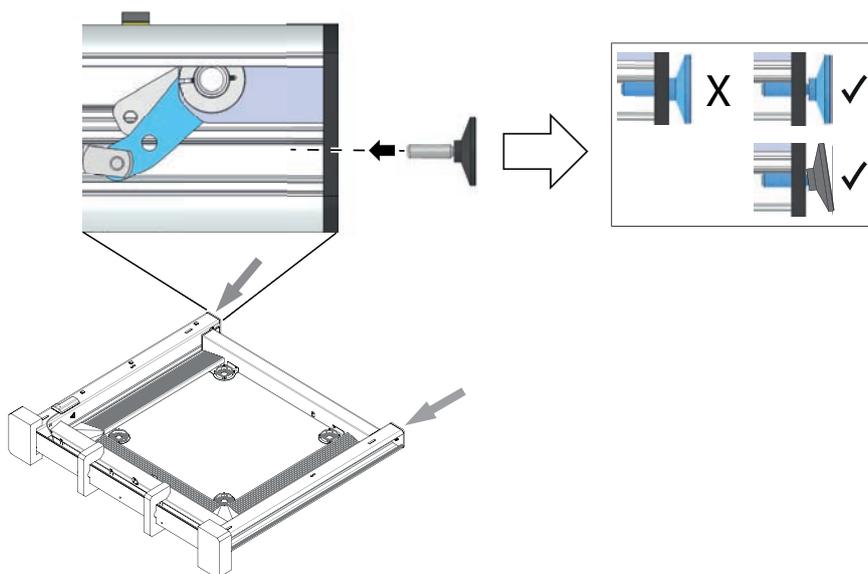
3. Remove the two wooden boards from the wall frame:
 - a) Undo the nut (open-ended spanner, 17 mm).
 - b) Remove the nut and washer.



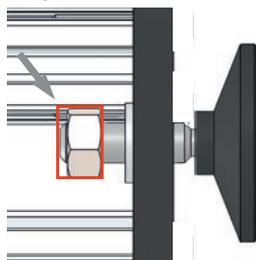
- c) Unscrew the screw from the wooden board (open-ended spanner, 17 mm).
- d) Remove the wooden board.



- Screw in the two adjusting feet until no more threads are visible and the foot plates can still be swiveled slightly.

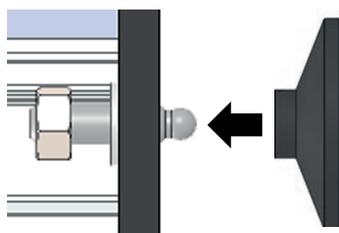


- Place washer and nut on the bolt.
- Only turn the nut until it is completely seated on the bolt (see figure below).



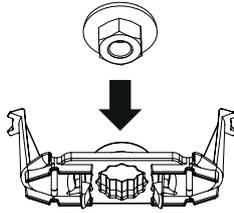
NOTE

If the foot plates loosen from the bolts during the next assembly steps, simply press them back onto the bolts.

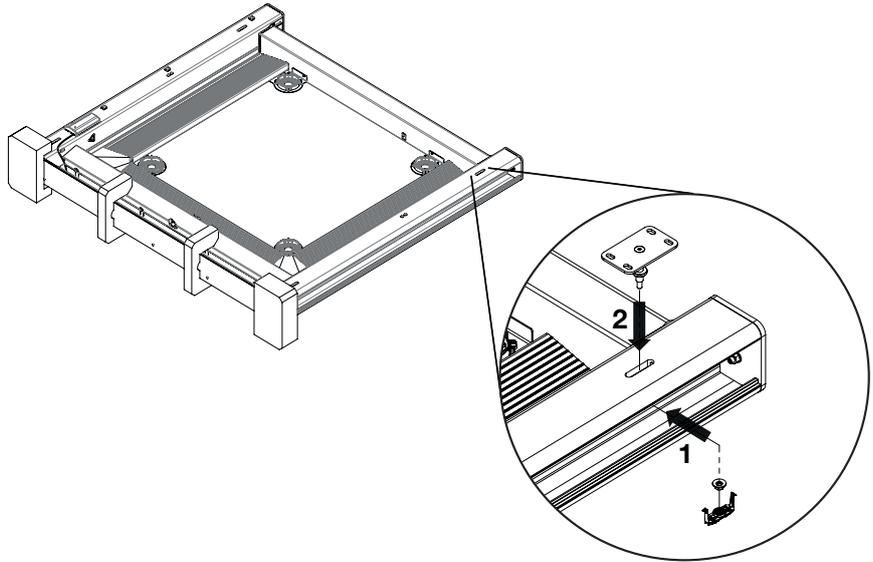


7 FITTING THE WALL BRACKETS TO THE WALL FRAME

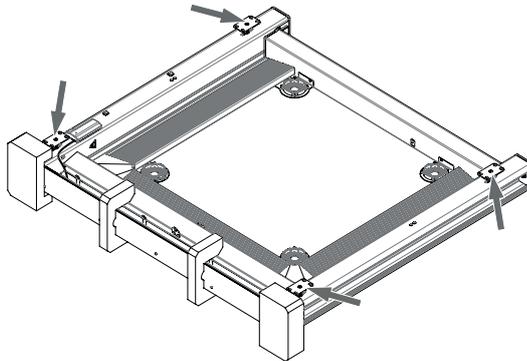
1. Insert the collar nut into the positioning clip.



2. Insert the positioning clip from below into the slotted hole until it engages (1).
3. Screw the wall bracket in loosely (2).

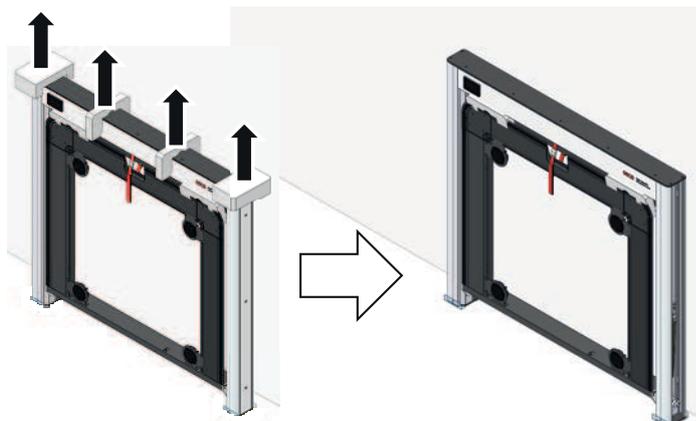


4. Repeat the steps for the three other wall brackets.

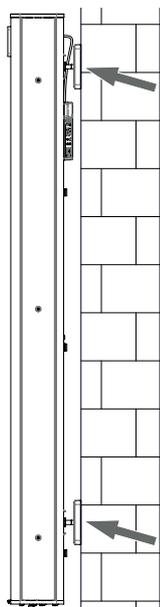


8 POSITIONING THE WALL FRAME ON THE WALL

1. At the assembly location, place the wall frame on the wall.
2. Remove the upper 4 pads:



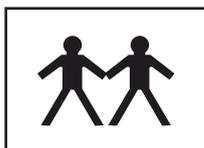
3. Place the wall frame in such a way that all wall brackets are up against the wall.



WARNING!

Injury from device falling over, heavy device parts

- ▶ During the following steps, one person must hold the wall frame against the wall.

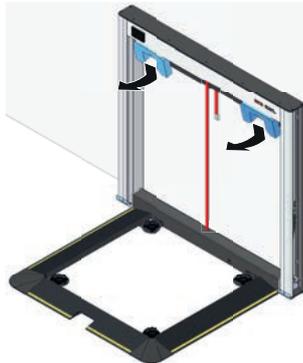


4. Release the securing strap between ramp frame and wall frame.
5. Fold the ramp frame down onto the floor.

6. Allow the securing strap to hang in the wall frame.

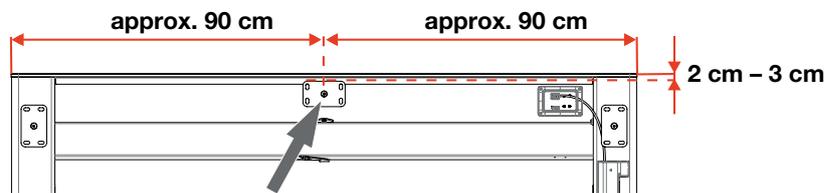


7. Remove the pads between ramp frame and wall frame.

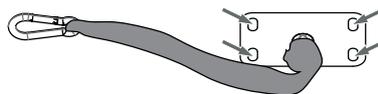


8. Attach the tilt protection to the wall as follows.

- a) Mark the position of the tilt protection:



- b) Together with another person, fold the wall frame back down onto the floor
 c) Mark the 4 drill holes (tilt protection aligned horizontally as shown)



- d) Drill 4 holes
 e) Insert 4 wall plugs (not included in the scope of delivery)
 f) Secure tilt protection with 4 screws (not included in the scope of delivery)
 g) Fold up wall frame onto the wall
9. Hook the snap link of the tilt protection onto the wall frame, as shown.



9 FITTING THE WALL BRACKETS TO THE WALL

Marking pencil outlines for wall brackets



WARNING!

Faulty measurement, damage to device

During operation, the device is subjected to mechanical loads (wall frame, ramp frame and load cells).

If the wall brackets are not mounted at the correct height, the device can become so deformed that it can no longer be used.

- ▶ Make sure that you mount and fasten the wall brackets at the correct height. The device requires sufficient clearance to accommodate the floating connection between wall frame and wall.

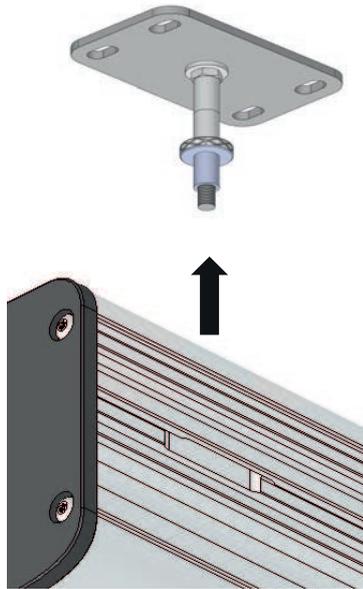
1. Align the wall brackets upright.



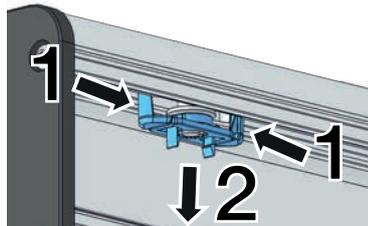
2. Transfer the pencil outlines of the four wall brackets to the wall (three sides of each bracket are enough, as shown).
3. Release the snap link of the tilt protection.
4. Re-attach the two corner pads.
5. Together with another person, fold the wall frame back onto the floor.

Removing wall brackets

1. Unscrew the wall bracket from the wall frame.



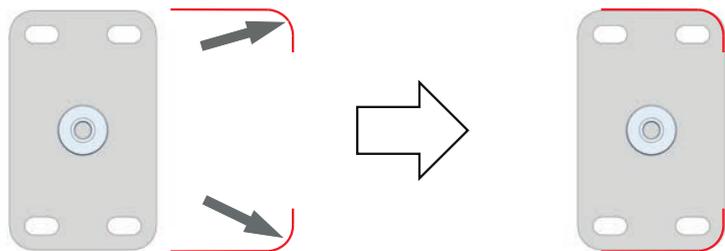
2. Push the tabs of the positioning clip in sideways (1).
3. Remove the positioning clip with the collar nut (2) and retain both of them.



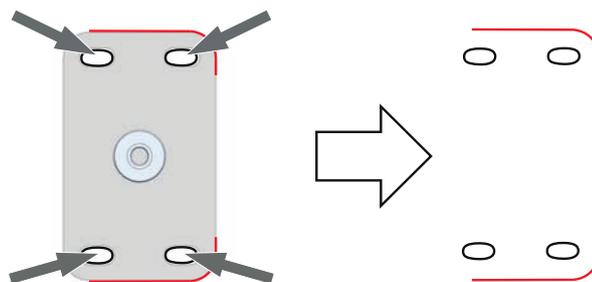
4. Repeat the steps for the three other wall brackets.

Marking drill holes

1. Hold the wall bracket up to the pencil outline.



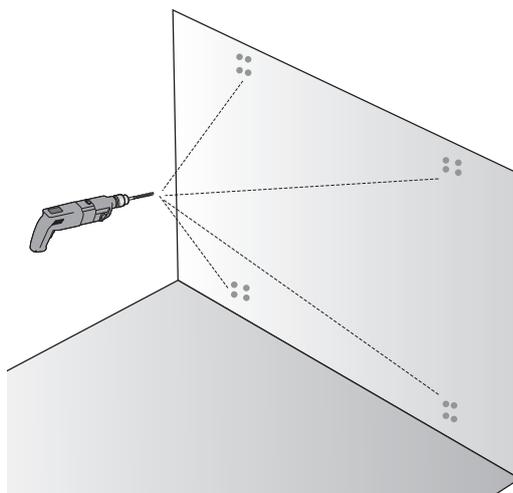
2. Transfer the four slotted holes to the wall.



3. Repeat this step for all four wall brackets.

Securing wall brackets

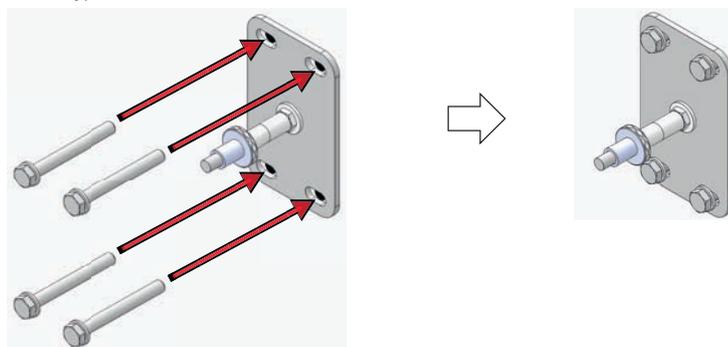
1. Drill into the center of each slotted hole marked.



2. Insert the wall plugs (not included in the scope of delivery).
3. Place the four wall brackets within the pencil outlines.



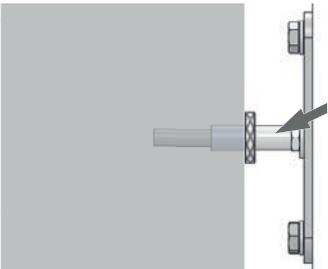
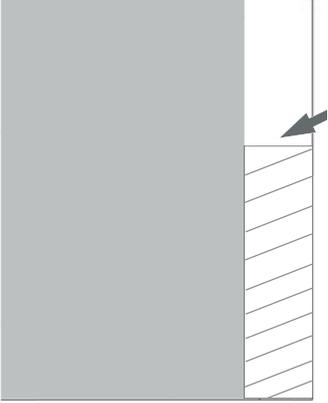
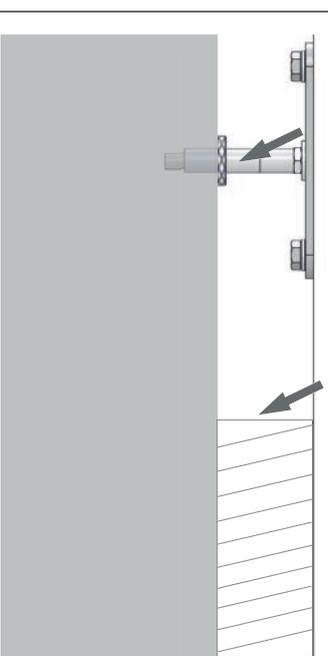
4. Fasten each wall bracket to the wall using four screws (not included in the scope of delivery).



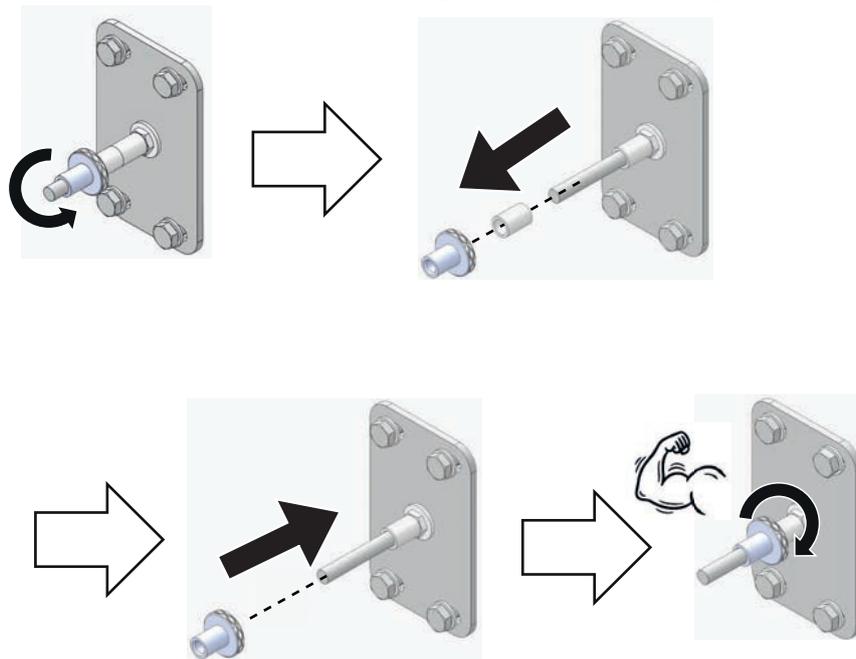
10 CHECKING THE DISTANCE TO THE WALL

Depending on the depth of skirting board, you may have to increase or decrease the distance from wall bracket to wall frame as necessary. The sleeves on the wall bracket are used for this purpose. Two sleeves are pre-mounted in each case.

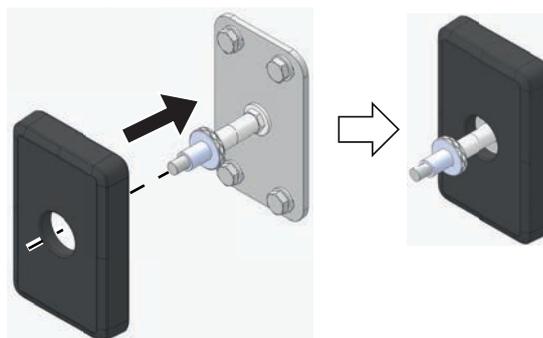
1. Measure the depth of the skirting board and determine the number of sleeves required.

Skirting board present	Depth of skirting board	Sleeves required	Action	Result
No	-	1	Remove one sleeve	
Yes	0 – 32 mm	1	Remove one sleeve	
Yes	> 32 – 49 mm	2	-	

2. If necessary: Remove one sleeve. Hand-tighten the knurled screw again forcibly.



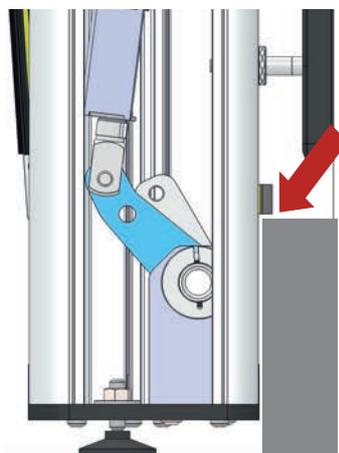
3. Push the plastic covers onto the wall brackets.



NOTE

Note the height of the skirting board

If the depth of the skirting board is large, e.g. 49 mm, its height must not exceed 200 mm.

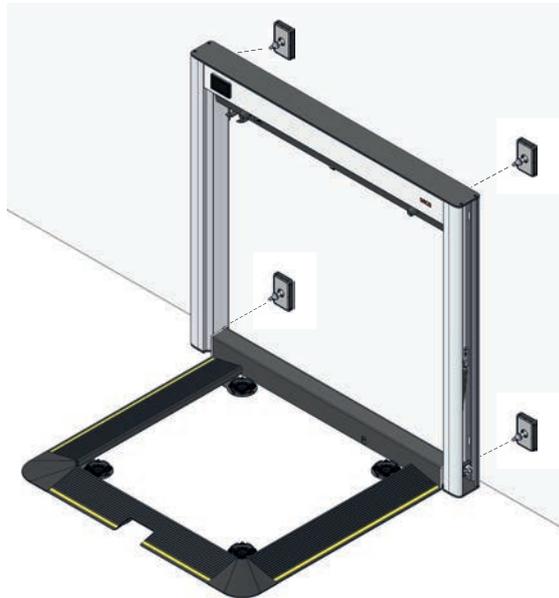


11 FITTING THE WALL FRAME TO THE WALL

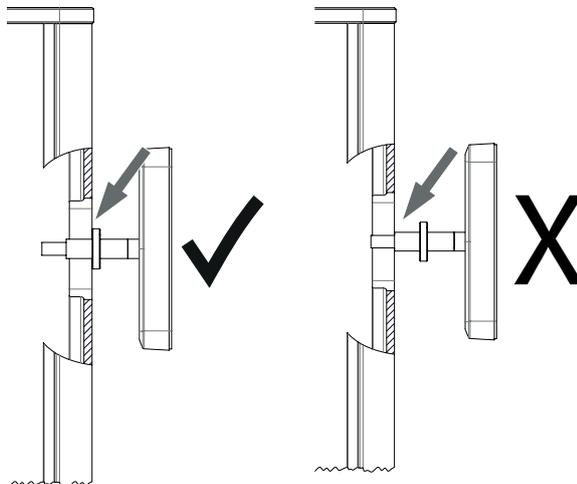
1. Swing the wall frame up to the wall (ramp frame remains on the floor).
2. Hook the snap link of the tilt protection onto the wall frame.



3. Remove the corner pads.
4. Put the wall frame on the four wall brackets.



5. Make sure that the collar bushing for each wall bracket is completely sunk in the slotted hole of the frame profile. If not, correct the position of the wall brackets.

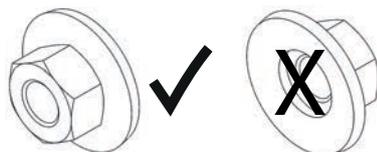
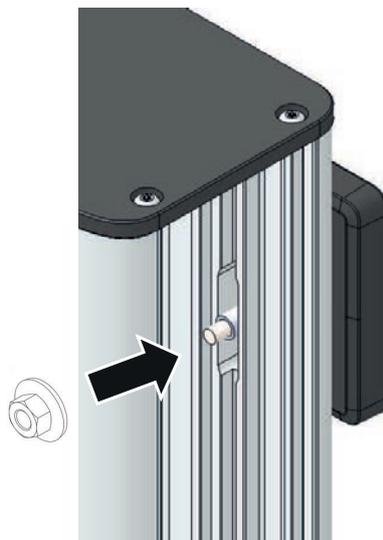


NOTE

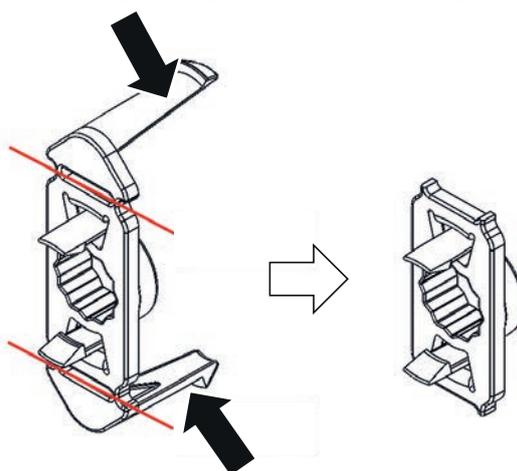
- ▶ Do not use any tools (open-ended spanner or ratchet wrench) for the following steps. Too high torques can damage the frame profile.
- ▶ Use the positioning clips supplied to apply the correct torque.



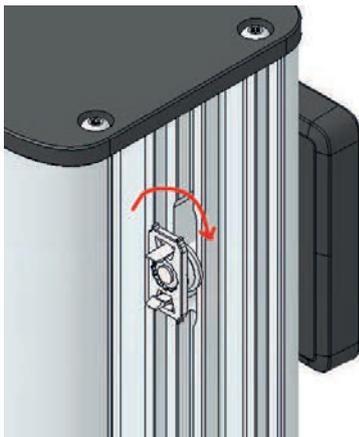
6. Place one collar nut onto each wall bracket (see figure below).



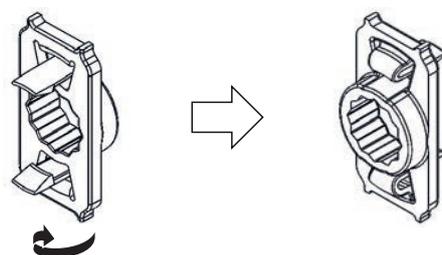
7. Initially, tighten the collar nuts just hand-tight.
8. Break off the long latching hook on the positioning clips.



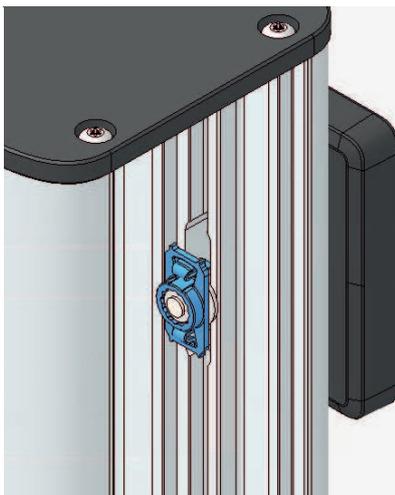
9. Tighten up the collar nuts with the positioning clips.



10. Turn the positioning clips over.



11. Place the positioning clips on the collar nuts as shown in the illustration.



⇒ The collar nuts are prevented from coming loose.

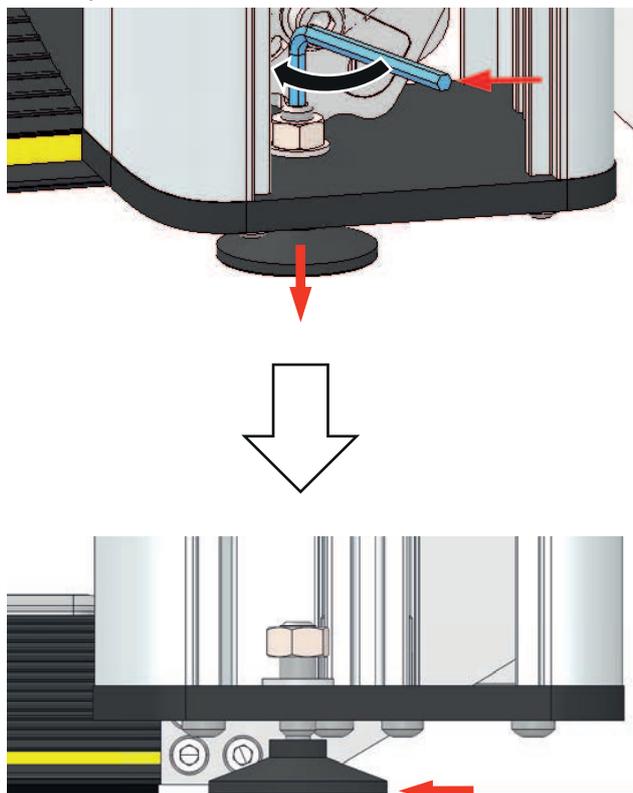
12. Clean the floor under the wall frame and ramp frame to allow correct alignment of the adjusting feet.

Adjusting the adjusting feet

**WARNING!****Injury from device falling over**

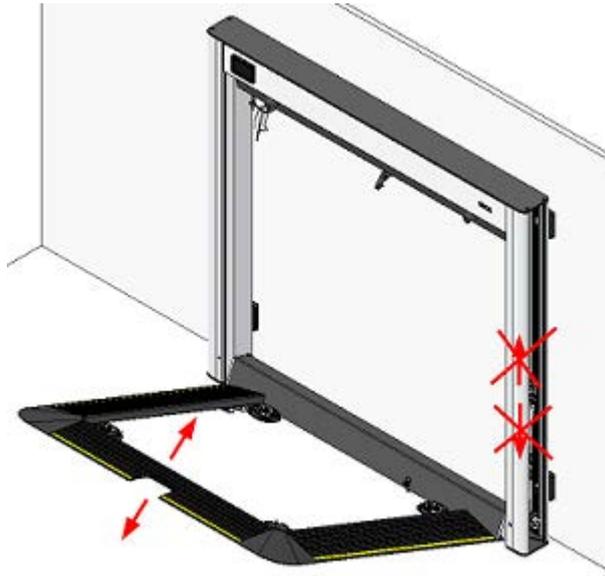
If the device not assembled correctly, it can become detached from the wall, fall over and cause serious injury to persons in the vicinity. The adjusting feet must be firmly positioned on the floor. This minimizes the application of force into the wall and increases the stability of the device. The device must not hang on the wall, but rather stand firmly on the ground.

1. Screw the two adjusting feet of the wall frame down clockwise (5 mm hex socket) until they are in contact with the floor.

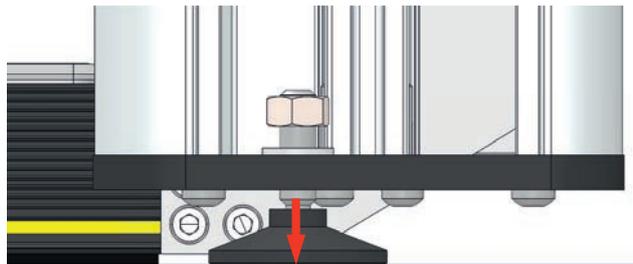


2. Screw the adjusting feet downwards just one more turn (360°).

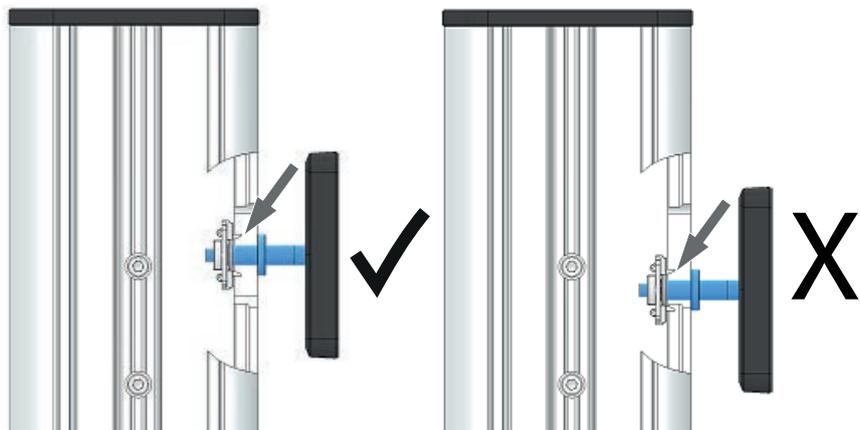
3. Check whether the wall frame rises and falls when the ramp frame is raised and lowered.



4. If the wall frame raises or lowers during step 3, you should screw the adjusting feet down further to the point that the wall frame no longer moves.



5. Make sure that the wall bracket bolt is seated approximately in the center of the slotted hole.



12 ASSEMBLING THE WEIGHING PLATFORM IN THE RAMP FRAME



CAUTION!

Faulty measurement as a result of device being set up incorrectly

- ▶ Make sure that only the foot shells are in contact with the ground. You can check this, e.g. by trying to shove a sheet of paper under each foot shell.

Checking the height of front foot shells



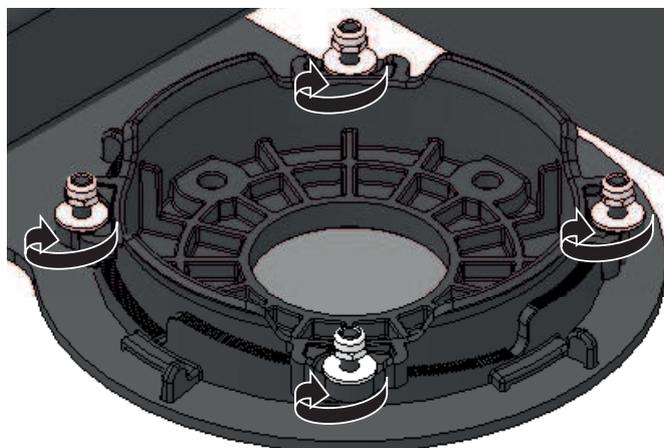
1. Lift up the ramp frame.
2. Place a sheet of paper under the foot shell on the front right.
3. Lower the ramp frame.
4. Try to pull out the paper.
 - ⇒ If you cannot pull out the paper, you have adjusted the foot shell correctly.
 - ⇒ If you can pull out the paper from under the foot shell, adjust its height as described in the section below.
5. Check the front left foot shell in exactly the same way.

Setting the height of front foot shells (as required)

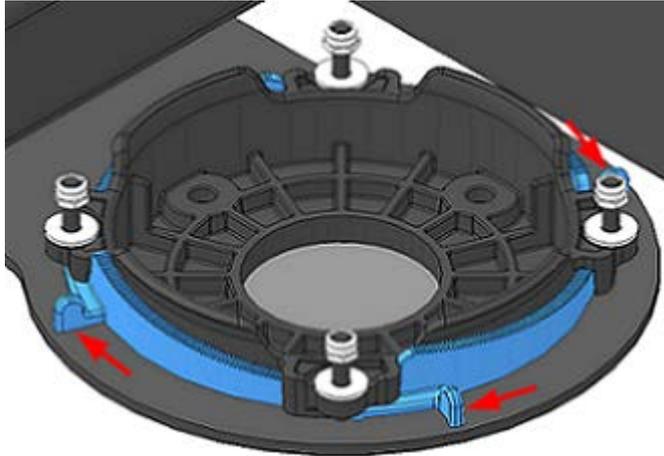
- ✓ The ramp frame is flat on the floor.



1. Use the supplied special tool to unscrew the 4 nuts until they are seated on the upper end of the screws.

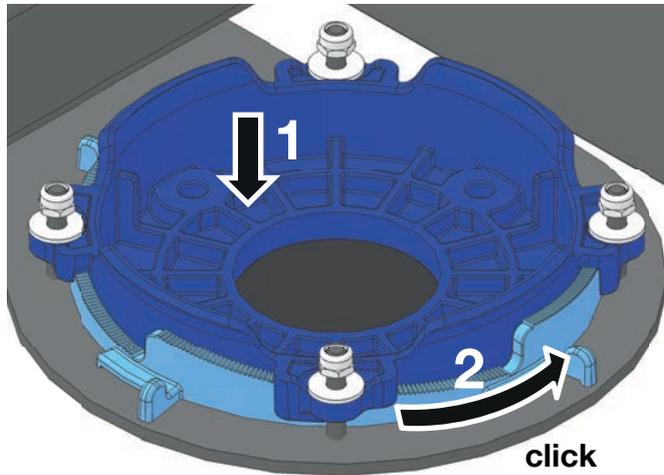


2. Turn the adjusting ring clockwise up to the stop.

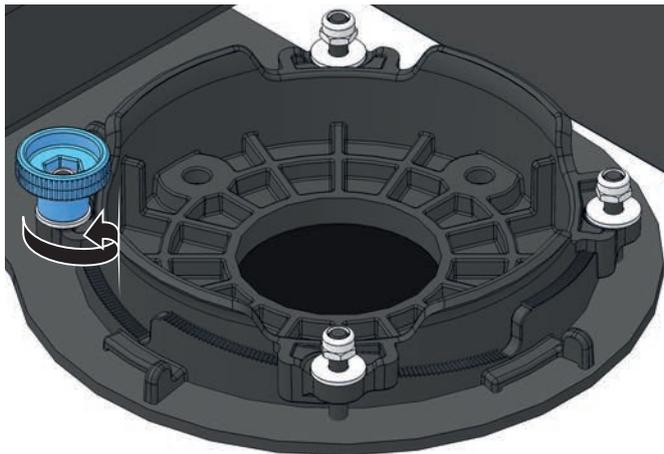


⇒ The foot shell is now detached and its height can be adjusted.

3. Press and hold down the foot shell onto the floor (1) and turn the adjusting ring (2) counter-clockwise (one or two clicks).



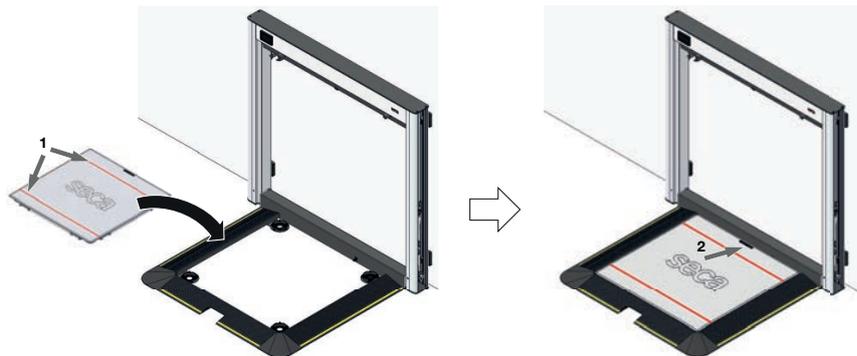
4. Keep the foot shell pushed down and screw the four nuts hand-tight.



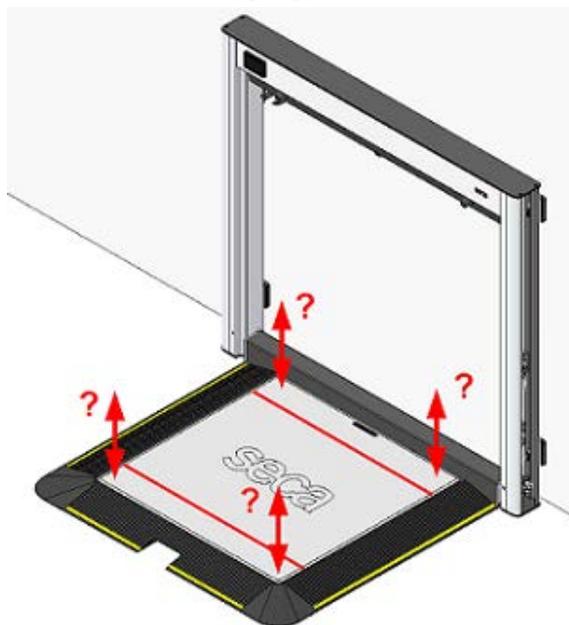
⇒ The foot shell is in contact with the ground.

Inserting the weighing platform

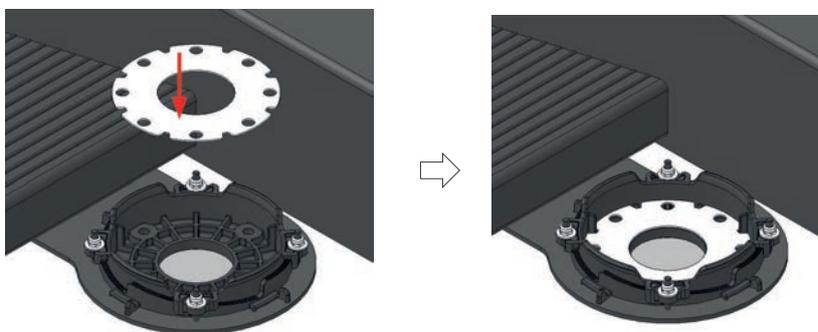
1. Lift the weighing platform slightly by the two securing straps (1) and place the weighing platform carefully in the ramp frame. Ensure that the LED display is facing the wall (2).



2. Check whether the weighing platform is in full contact with all four foot shells.



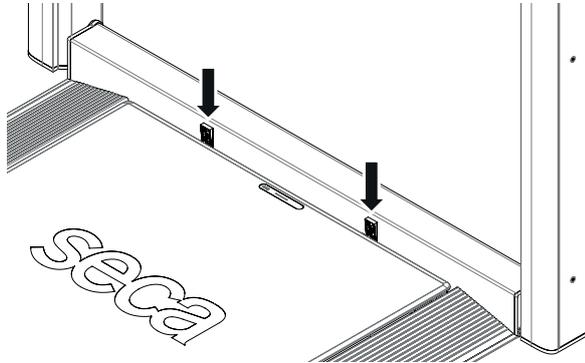
3. If the weighing platform is not in full contact with one of the foot shells, proceed as follows:
 - a) Lift the weighing platform out of the ramp frame.
 - b) Insert one or more shims (6 maximum) into the foot shell.



- c) Place the weighing platform in the ramp frame.
- d) Check whether the weighing platform is now in full contact with all four foot shells. If not, insert extra shims.

Tightening the weighing platform

1. Insert the two wedges to ensure that the weighing platform is seated firmly in the ramp frame for the next steps. In doing so, do not press the wedges firmly and do not use the wedges to change the position of the seated weighing platform. The position should be at least 160 mm from the outer edge of the weighing platform.



2. Fold up the ramp frame to a maximum of 60°. If the ramp frame is folded up even higher, the weighing platform can fall out towards the wall.



3. Use the securing strap to secure the ramp frame on the wall frame.



**CAUTION!****Personal injury, damage to device**

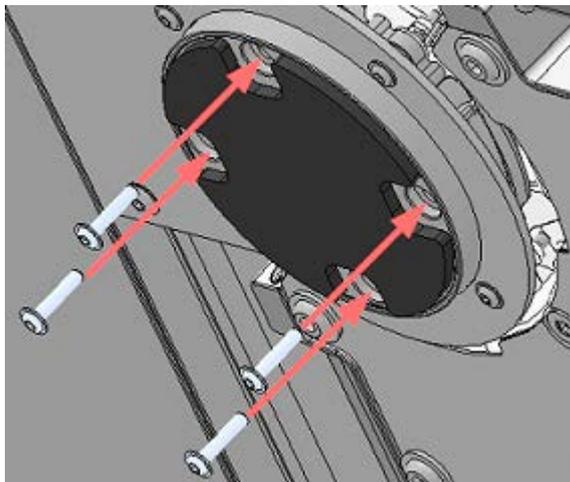
If the screws are jammed or screwed in with too much force, the sensitive aluminum threads will become damaged. That can impair the anchorage of the weighing platform.

- ▶ Do not use an electric screwdriver on hex head socket screws, M4.



- ▶ Check whether all screw holes are “aligned”.
- ▶ If the screw holes are not “aligned”, use the wedges to correct the position of the weighing platform.

4. Insert four hex head socket screws, M4 in the connection for each foot.



5. Tighten the four screws only slightly (hex socket wrench 2.5 mm).
6. Make sure that the screws are not jammed.
7. Repeat the process for the other three foot connections.
8. Once all 16 screws have been started, tighten them to a torque of 2 Nm.

**CAUTION!****Personal injury, damage to device**

If the screws are tightened with excessive torque, the threads of the weighing platform will become damaged. In that case, the weighing platform will no longer be firmly anchored in the ramp frame.

13 LINKING UP THE GAS SPRINGS



WARNING!

Injury from gas spring or weighing platform

If the gas spring is not correctly secured, the following hazards may come about:

- The weighing platform could fall to the floor uncontrolled.
- The gas spring could accidentally retract during replacement and injure persons.

- ▶ Secure the gas springs as described below.
- ▶ Use a torque wrench to apply the necessary force.



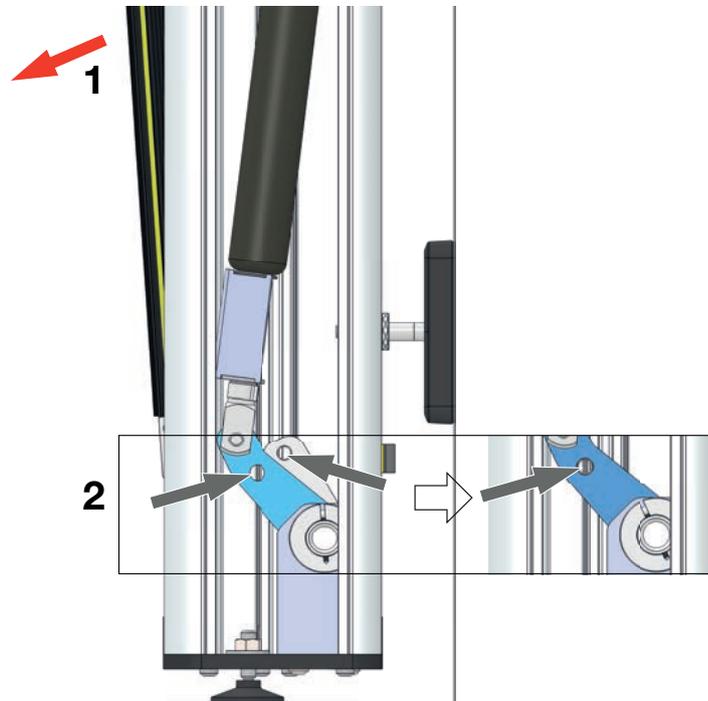
WARNING!

Injury from gas spring

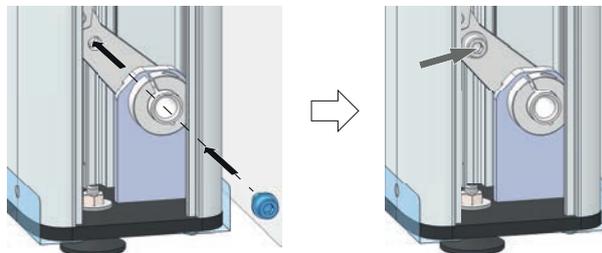
If the protective hoop is removed too early, the gas spring might accidentally retract during linkage and injure persons.

- ▶ Do not remove the protective hoop on the gas spring until that step is described in these instructions.

1. Move the ramp frame (1) until the screw holes line up (2).

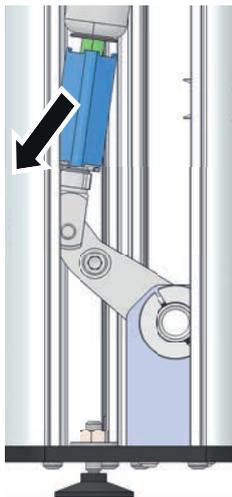


2. Insert the hex head socket screw, M10 incl. washer (hex socket wrench, 8 mm).



3. Tighten up the screw to a torque of 20 Nm.
⇒ The gas spring is connected to the ramp frame.
4. Lower the ramp frame a bit more. To do so, extend the securing strap.

5. Remove the protective hoop on the gas spring.



6. Retain the protective hoop in case the gas spring needs to be replaced later.
7. Repeat the steps for the second gas spring.
8. Remove the securing strap between ramp frame and wall frame.
9. Remove the wedges from the weighing platform.
10. Remove the securing straps from the weighing platform.
11. Retain the securing straps and the wedges.

14 READJUSTING HEIGHT OF WALL FRAME



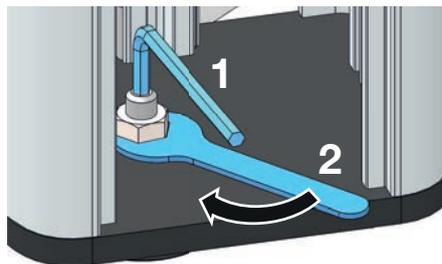
CAUTION!

Faulty measurement as a result of device being set up incorrectly

- ▶ Make sure that only the foot shells are in contact with the ground. You can check this, e.g. by trying to shove a sheet of paper under each foot shell.



1. Place a sheet of paper under the foot shell on the back right.
2. Screw the right adjusting foot downward until the foot shell starts having no more contact with the ground.
⇒ The sheet of paper can be pulled out easily
3. Screw the right adjusting foot upwards by one-half turn. The right foot shell now has good contact with the ground again.
⇒ The sheet of paper is hard or impossible to pull out.
4. Repeat the steps on the left side.
5. Use a sheet of paper to check the two back foot shells for contact with the ground.
6. Secure the adjusting feet:
 - a) Use the hex socket wrench to hold the bolt steady (1).
 - b) Tighten up the nut with the open-ended spanner, 17 mm (2).



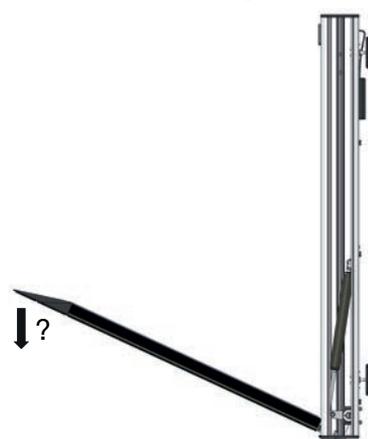
15 SETTING LOWERING SPEED OF RAMP FRAME

NOTE

Operating temperature

To allow the correct settings to be made on the device, it must acclimate to the ambient temperature. The ambient temperature affects the behavior of the gas spring. The maximum warm-up and/or cooling time is 8 hours.

1. Check to see whether the lower third of the ramp frame moves slowly toward the floor under its own weight.

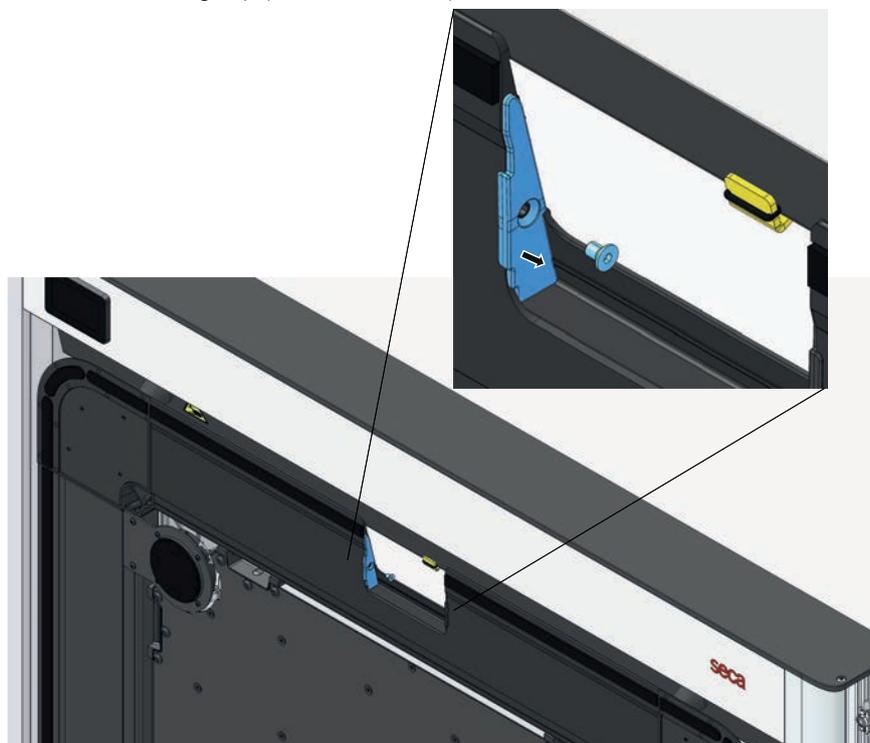


If the ramp frame lowers too fast, remove weights. If it lowers too slowly, add weights. To do so, proceed as described below:

Adding/removing additional weights

Weights are inserted on each side of the recessed handle.

1. Remove the sealing cap (4 mm hex socket).



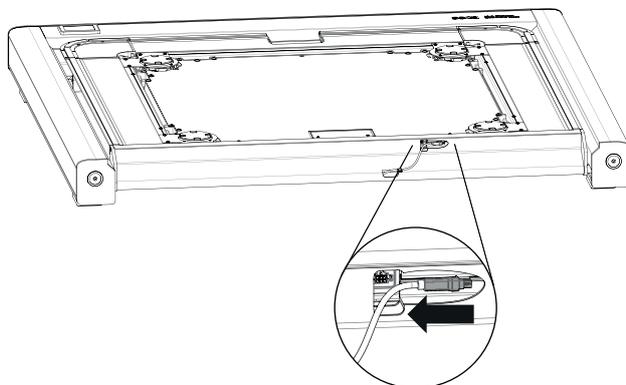
2. Pull out the mesh together with the weights and/or place the mesh back in again.



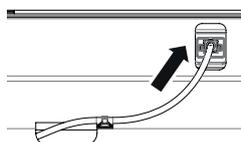
3. Fit the sealing cap.

16 CONNECTING THE CONNECTING CABLE

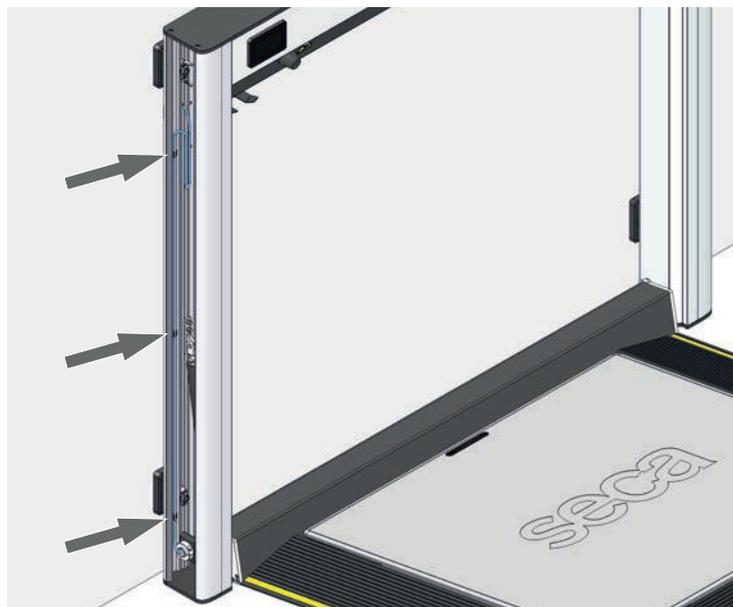
1. Swing up the ramp frame.
2. Disconnect the cable end from the profile.



3. Connect the connector to the port on the weighing platform.

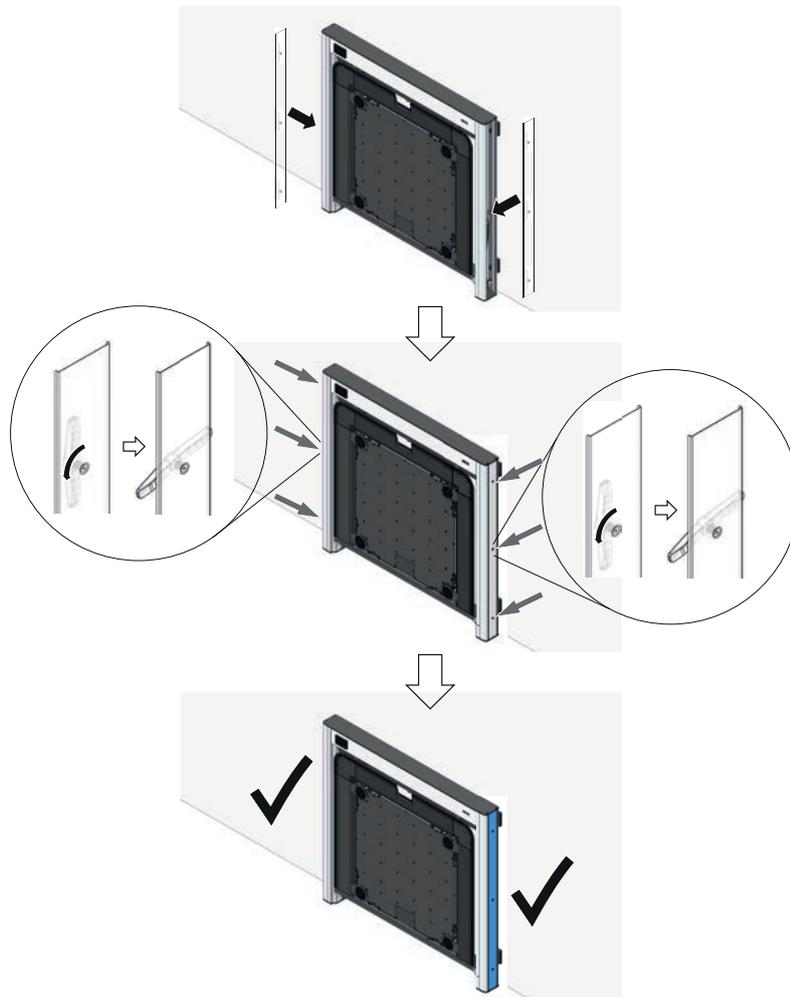


4. Lay the connecting cable in the column so that it does not run through the area of any moving parts (e.g. gas spring).
5. Secure the cable in the 3 clips.

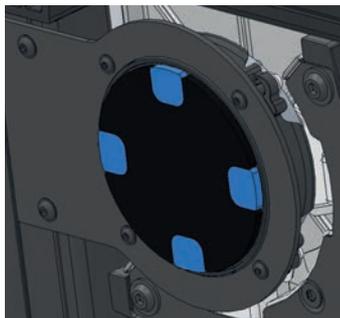


17 FINAL STEPS

1. Make sure that you have not left any parts or tools in the wall frame.
2. Fit the two side covers (4 mm hex socket).

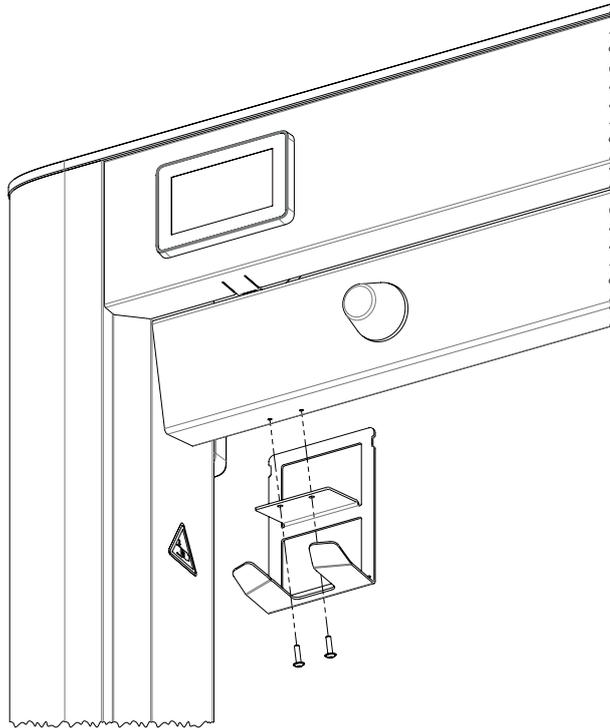


3. Stick the 16 adhesive pads to the screws.



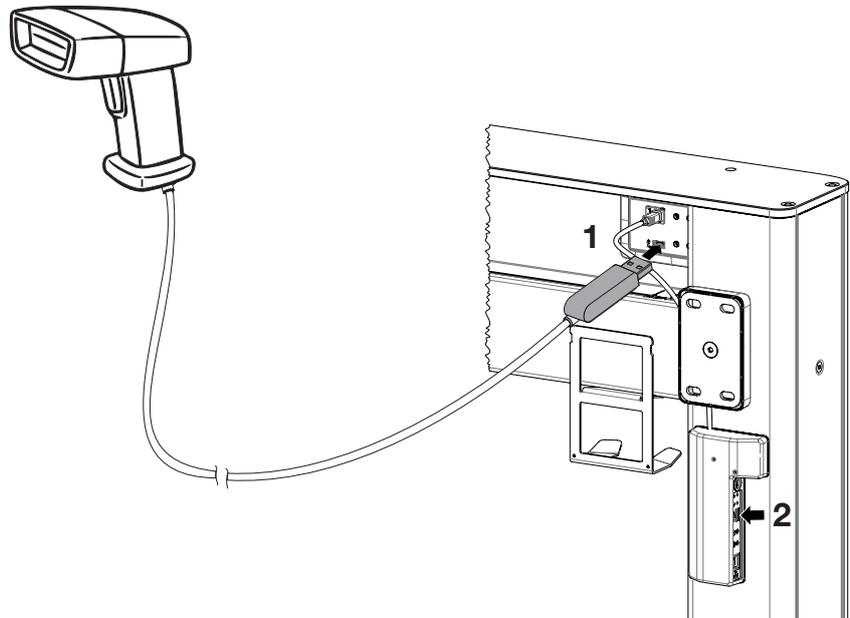
4. Remove the cable tie on the latching hook.
5. Make sure that you have not left any parts or tools under the weighing platform/the ramp frame.

18 MOUNTING THE SCANNER BRACKET (OPTIONAL)



19 CONNECTING A BARCODE SCANNER (OPTIONAL)

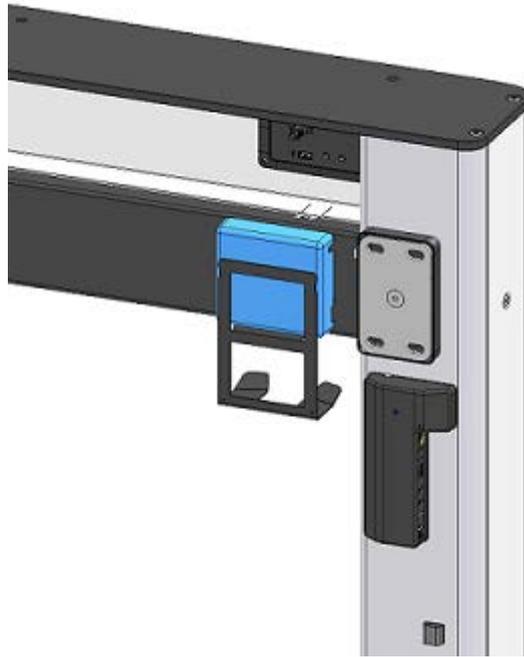
1. Plug the USB stick of the barcode scanner into the USB socket of the display (1). Alternatively, you can also use the USB socket of the interface (2).



2. Connect the scanner cable to the scanner bracket with a cable tie to relieve any strain.
3. Hang the barcode scanner in the scanner bracket.

20 FITTING THE RS-232 ADAPTER BOX (OPTIONAL)

- ▶ Fit the RS-232 adapter box between the display and the interface box.

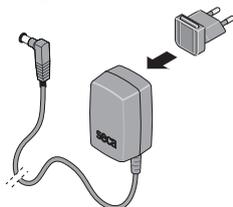


21 CONNECTING THE POWER SUPPLY UNIT

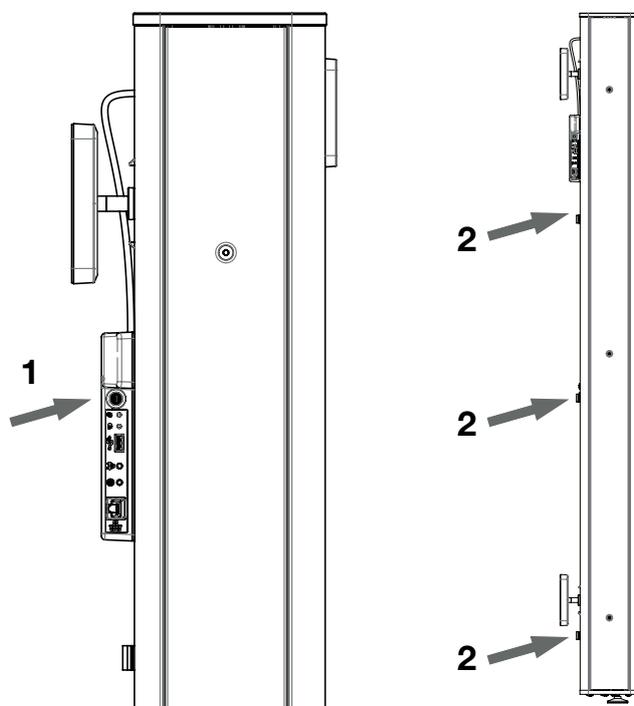
WARNING! **Personal injury or damage to device as a result of incorrect power supply units**
 Conventional power supply units may deliver a higher voltage than is indicated on them. The measuring device may overheat, catch fire, melt or short-circuit.

- ▶ Use only original seca power supply units with a controlled 12 V output voltage.

1. Plug the adapter required for your region into the power supply unit.



2. Insert the device connector of the power supply unit into the power supply connection socket of the wall frame (1).



3. For strain relief, secure the power cable in the clips on the wall frame (2).
4. Plug the power supply unit into the power supply socket.

22 FUNCTION TEST

1. Fold down the weighing platform approx. 20 cm from the upper stop.
 ⇒ The weighing platform should automatically draw itself back onto the wall frame.
2. Fold the weighing platform back down again.
 ⇒ The weighing platform should automatically, slowly and completely lower to the floor by itself. The main screen should appear on the display.
3. Perform a weight measurement.

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