

INSTRUCTION MANUAL

Floor-standing worktop lift Baselift 6210





**For more information, see:
www.granberg.se**

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1. Introduction

We have the pleasure to deliver a Granberg worktop lift Baselift, an electrically operated lifting and lowering system. The worktop lift is used separately, or together with the Granberg Wall cabinet lifts and becomes then a total adaptation of the kitchen. The unit fits kitchens of various makes, which are made according to the standards EN 1116 and EN 1153.

Only authorized persons may use the worktop lift!

Authorization means obligation to read the instructions and follow them. It is very important that you read and understand the instructions before using the worktop lift. If you have any questions - contact your supplier.

This instruction should be available for authorized personnel, stored in a protected place and shall follow the product, if it is moved to another installation site or another house owner's.

Correct use, operation, inspections and maintenance are decisive for efficient and safe work.

2. Declaration of conformity with EU directives

This product is in its basic configuration CE-marked and is granted to be in compliance with the essential requirements of safety and operation, in accordance with the current Machinery, EMC and Low Voltage. Separate "EC Declaration of Conformity" can be found in section 13. The installer is responsible for security in the environment where the worktop lift is installed and for the equipment that it is provided with. It is important that a risk analysis is performed for the total installation, and that the necessary measures for safe use are taken.

3. Intended use - Technical data

Worktop lift is adapted to a vertical motion by operating the work top and drawers *, chopping boards, etc., mounted on it, for performing normal cooking tasks. The operation shall be indoors, under normal housing conditions regarding temperature, humidity and lighting. In the worktop cassette e.g. electric hob and a sink can be incorporated.

Bench lifter is not intended for use in moist environments.

It is assumed that the work top benches and the cabinets are made according to the standards EN 1116 and EN 1153.



Worktop on adjacent cabinets must not protrude over its cabinet frame. Overhang of the worktop to the adjacent cabinets constitutes a risk of crushing and will not be accepted!

Any other use than the above requires approval by Granberg and definition of the particular allowed operating conditions. Contact Granberg to get the planned change approved!

* Massive wooden bench boards are not recommended.

Technical data

Model:	6210
Build Form	Straight
Width	590 - 3400 mm
Worktop height, excl. top	650 - 950 mm
Depth, from wall, excl. front	560 - 580 mm
Vertical stroke, max	300 mm
Time for lifting or lowering movement	approx. 20 sec.
Power Supply	230 V / max 2,5 A
Max. Power Consumption	575 W
Max no. of full wok cycles per hour	5
Control voltage	24 V DC
Weight	20 kg / meter
Max load on the worktop lift *	150 kg

* Worktop and other equipment to be included in the load.

Load refers to the load is evenly distributed over the entire load space. Point loads are not allowed!

4.1 Mechanical construction

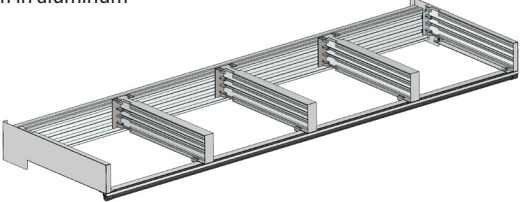

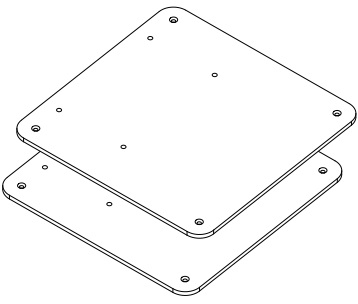
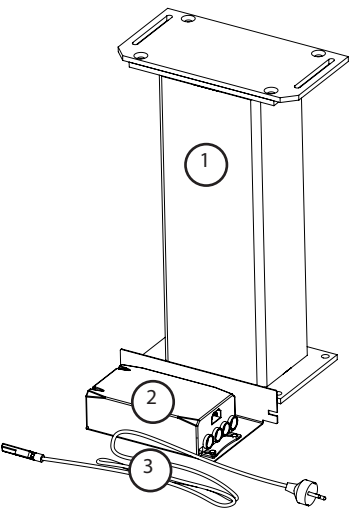
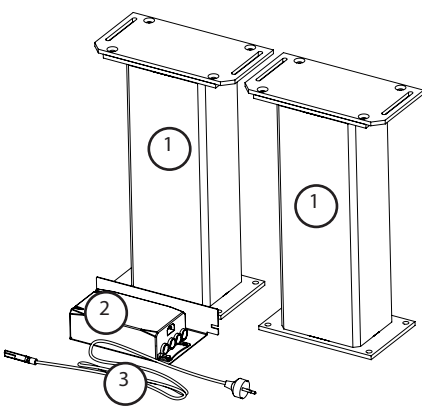
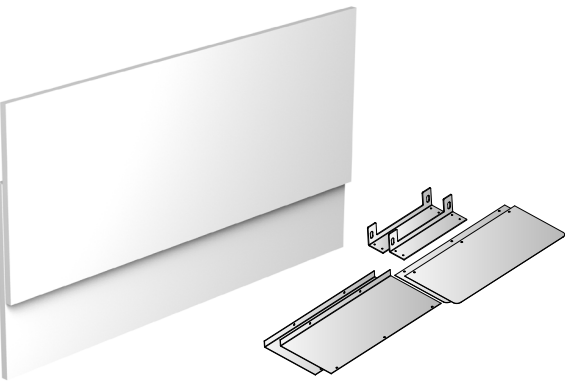

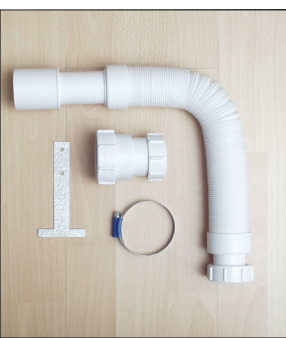
The worktop lift consists of floor-mounted motor pillars and a frame system in aluminum. Drawers, buttons, hob and sink can be mounted in the frame system.

Lifting and lowering motion is achieved with motorized actuators, which are integrated in the aluminum pillars.



4.2 Modules delivered

The worktop lift is delivered in boxes, parts should be installed according to instructions. All installation work must be performed by persons with the necessary expertise. Installers should have read these instructions, and perform the installation in the prescribed manner. The packaging material shall be handed over to an organized material re-cycling organisation.

<p>Frame system in aluminum</p> 	<p>Control button (The button in the picture is for flush mounting)</p> 	
<p>Floor plates to motors</p> 	<p>Engine Package, 1 motor pillar</p>  <ul style="list-style-type: none">1) Motor2) Control board with clamp closure list3) Power cord	<p>Engine Package, 2 motor pillars</p>  <ul style="list-style-type: none">1) Motor2) Control board with clamp closure list3) Power cord
<p>Cover panels with brackets and screws (optional)</p> 	<p>Flexible water hoses (optional)</p> 	<p>Flexible drain hose (optional)</p> 

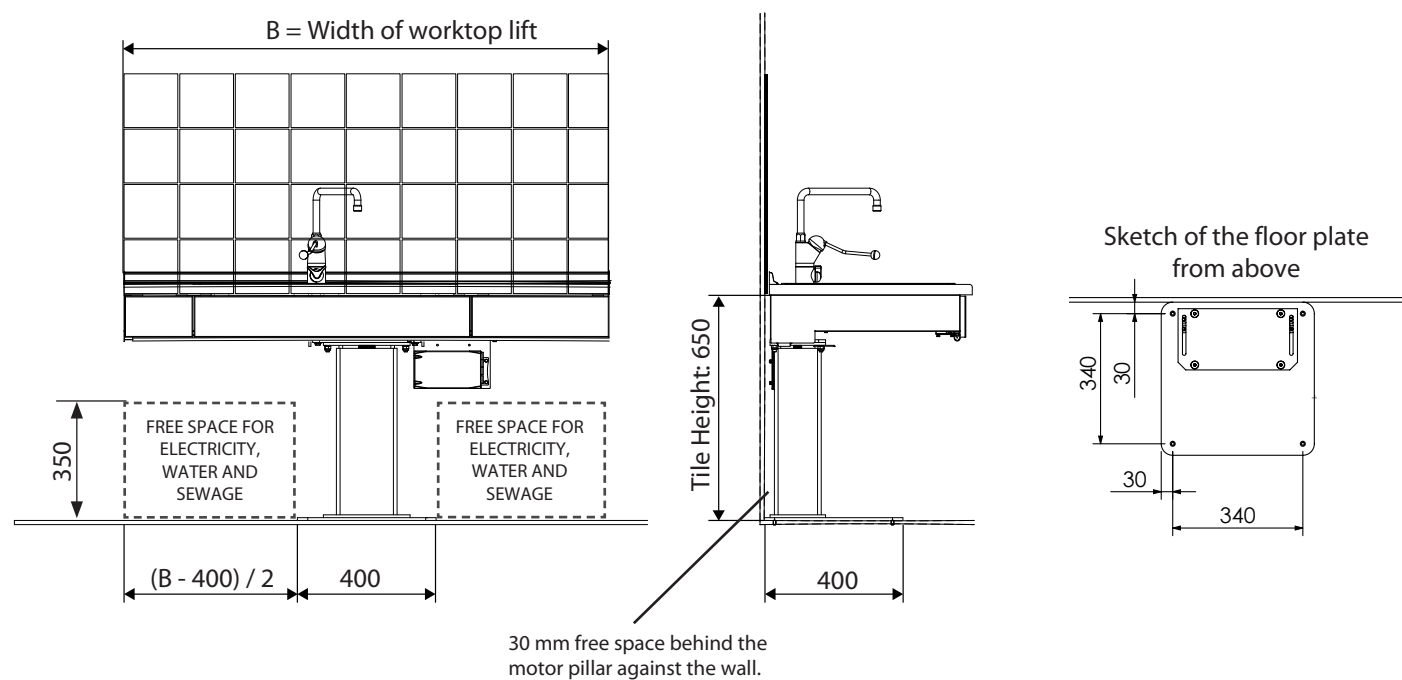
Examples of additional accessories:

Countertops, stove, sink, faucet, boxes, cutting boards, pedestals, actuators, additional clamping protection devices.

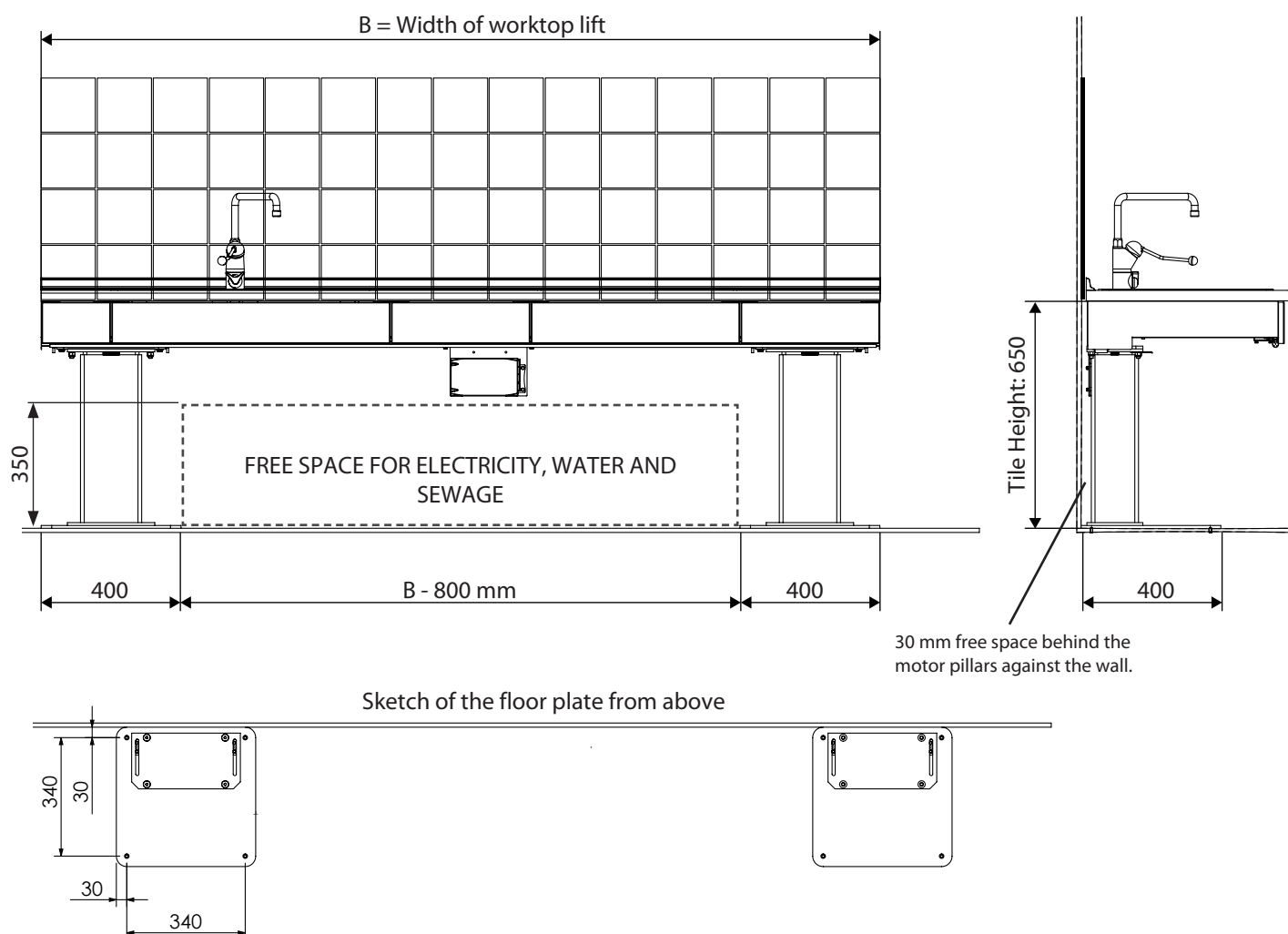
4.3 Planning sketch, location of electrical outlets, water and sewer

Electrical outlets, water and sewer connection must be placed in the marked spaces below.

Baselift 6210 with one motor pillar (59,0 - 180 cm)



Baselift 6210 with two motor pillars (189,0 - 340,0 cm)



4.4 Electrical Connection

The worktop lift is to be connected to a separate mains switch, which is placed in the kitchen or its vicinity. Electrical outlet, 230V, 50 Hz is placed in the space marked in Section 4.3.

* Power requirements 230 W



Electrical connections must be made by a qualified electrician!

4.5 Water and sewer connection

Note!

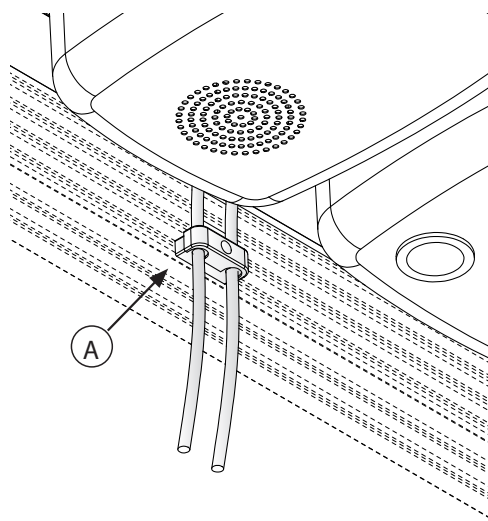
Professionals must make the connection of the water and sewer pipes, to prevent water damages. It is important that the right materials are used, and that location and fixing is made properly. The use of Granberg original installation materials, and the instructions in this manual, ensures correct execution, if a competent fitter carries out the installation work. Make sure that the carpet is going up at the wall a bit to prevent water damages if there should be leakage.

Water connection

The water connection shall be made to a 1/2" ballofix coupling. See section 4.3 for correct location.

Note!

Fix the pipes with the clamp (A) in the aluminium frame. Connect flexible water hoses between the pipes from the mixer tap to the ballofix coupling. Run the lift and check that the hoses moves freely.



Connecting the drain

All connections must be secured well to cope with the raising and lowering of the bench without the risk of the couplings differ greatly.

In section 4.3 shows the free space available on the wall under worktop lift installations.

4.6 Mounting a straight Baselift 6210



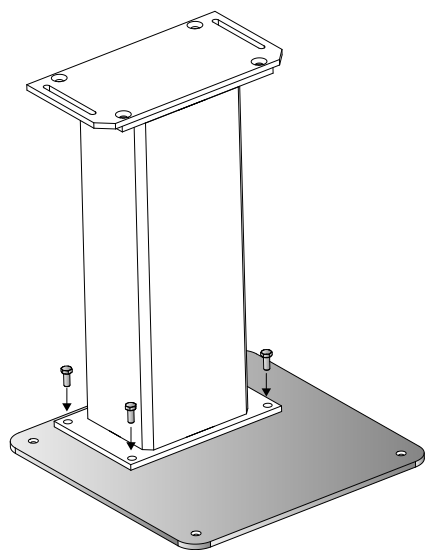
Note!

- Check if the floor is equipped with floor heating before installation!
- Tiles on the wall will be put before the assembly of the worktop lift begins.
- To facilitate the placement laterally mounted cabinets on one side before bench lifter mounted.
- Worktop lift should have a gap of 5-8 mm to adjacent cabinets or wall.
- See section 4.3 for correct positioning of the motor pillars.

Installation must be done by competent personnel!

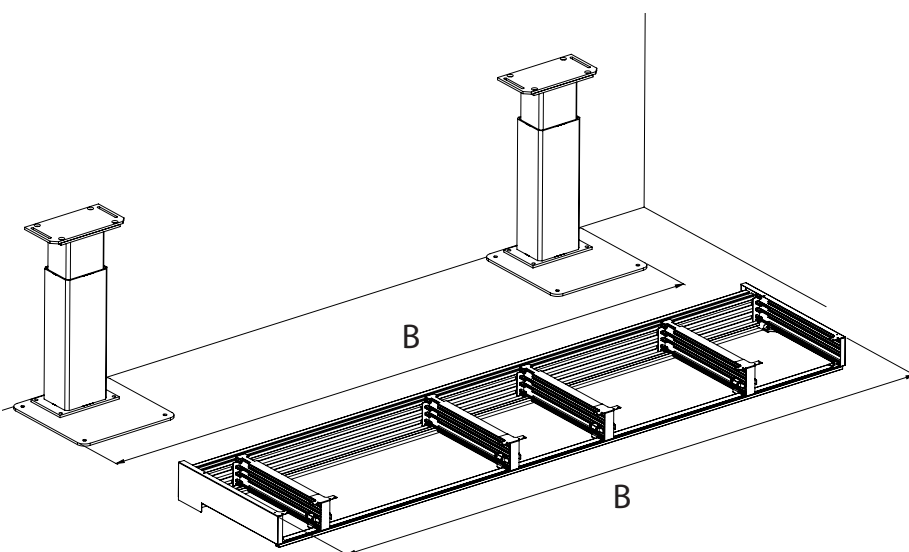
4.6.1

Fit the floor plates for motor pillars.
Use 4 M8 x18 mm / floor plate.
(Included with delivery).



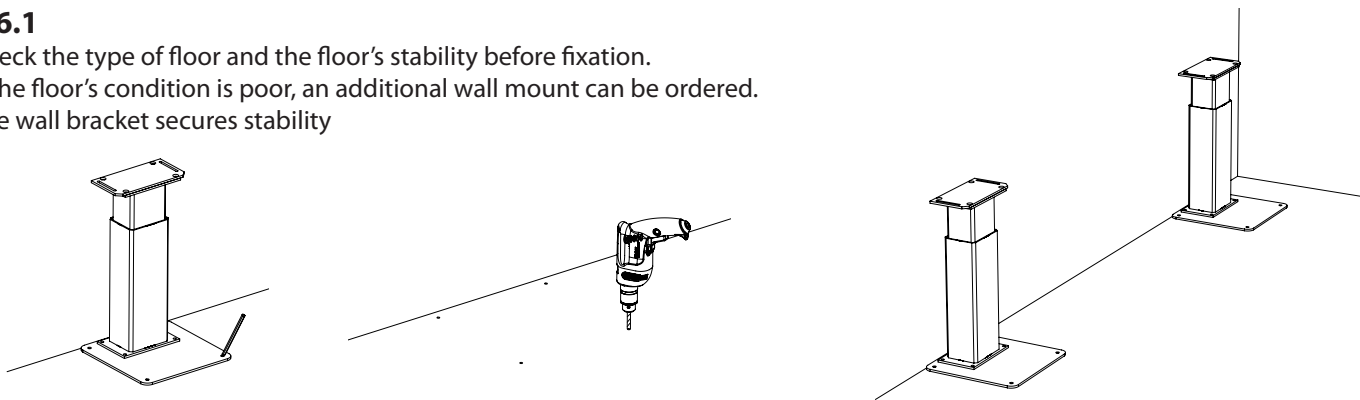
4.6.1

Place the motor pillars on the floor where worktop lift is to be installed. Strive to place the motor pillars as far apart as possible. Motor pillars are removable during installation and therefore can be moved inwards if anything prevents placement at the far end.



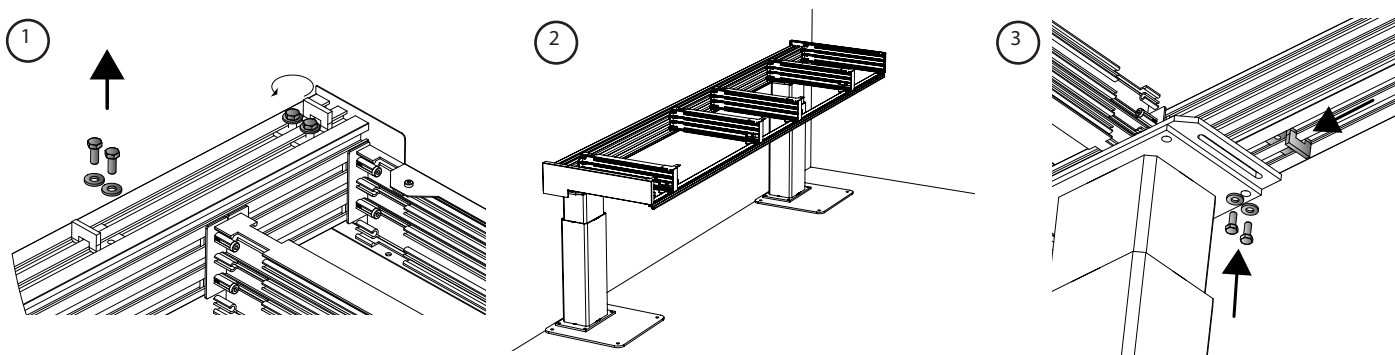
4.6.1

Check the type of floor and the floor's stability before fixation.
If the floor's condition is poor, an additional wall mount can be ordered.
The wall bracket secures stability



4.6.2

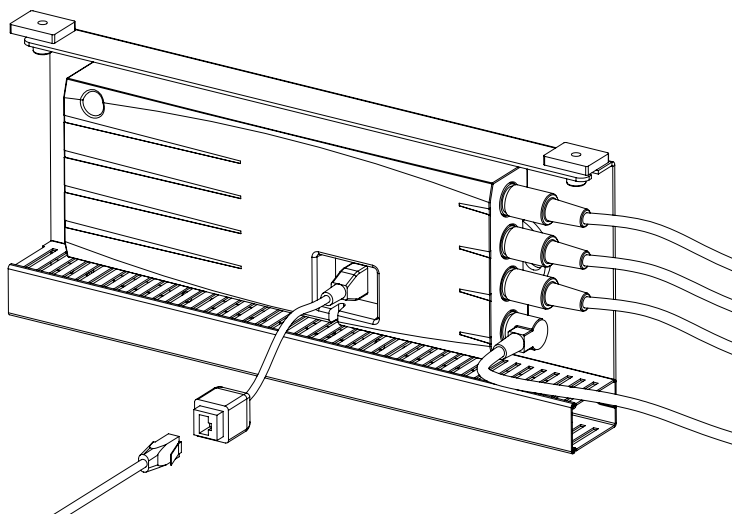
1. Remove the screws and washers that are slotted nuts in the aluminum profile.
2. Apply the factory-fitted bench plane on the motor pillars.
3. Push the groove nuts and tighten loose screws (4 screws / motor pillars).



4.6.3

1. Install the control center on the metal bracket supplied.
2. Install metal bracket on the aluminum beam. Screws are prepared in the slot nuts in the aluminum beam.

If the worktop lift is over 180 cm wide supplied extension cables to the motor pillars.



4.6.4

Connect the motors, the security strip, push button and the electricity cable according the instructions below.

Synchronise the motors (if the lifting system have two motors):

Run the lift to it's lower position and hold the button (at least 5 sec.) until you hear a click from the control box. The synchronisation has succeed when you hear the click sound.

Run the lift up and down and check that the motors are moving at the same time.

Note!

The security strip must be connected to be able to run the lift.

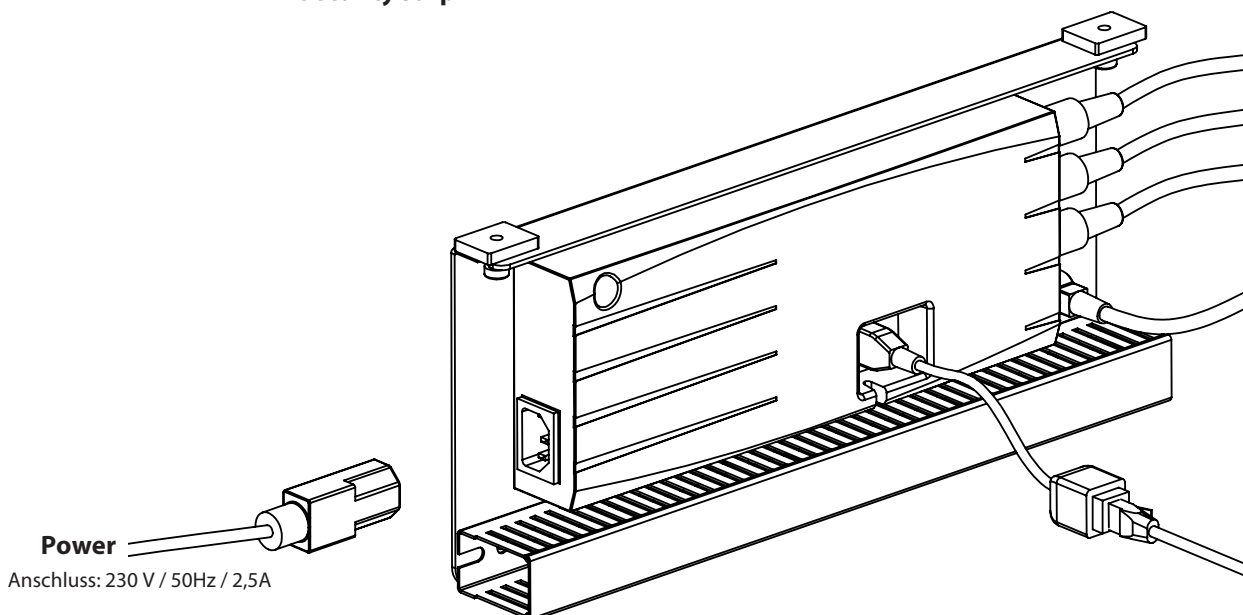
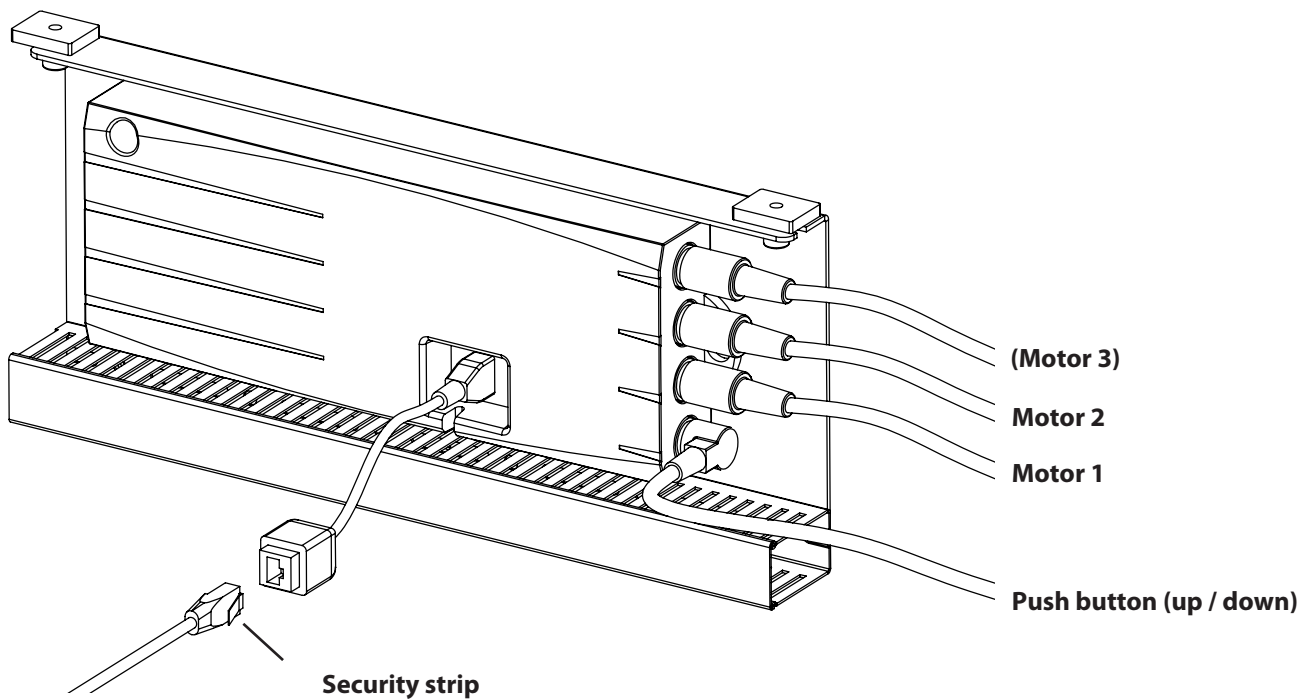
Run the lift to it's highest position.

1. Connect the motors

2. Connect the security strip

3. Connect the push button

4. Connect the electricity



4.6.5

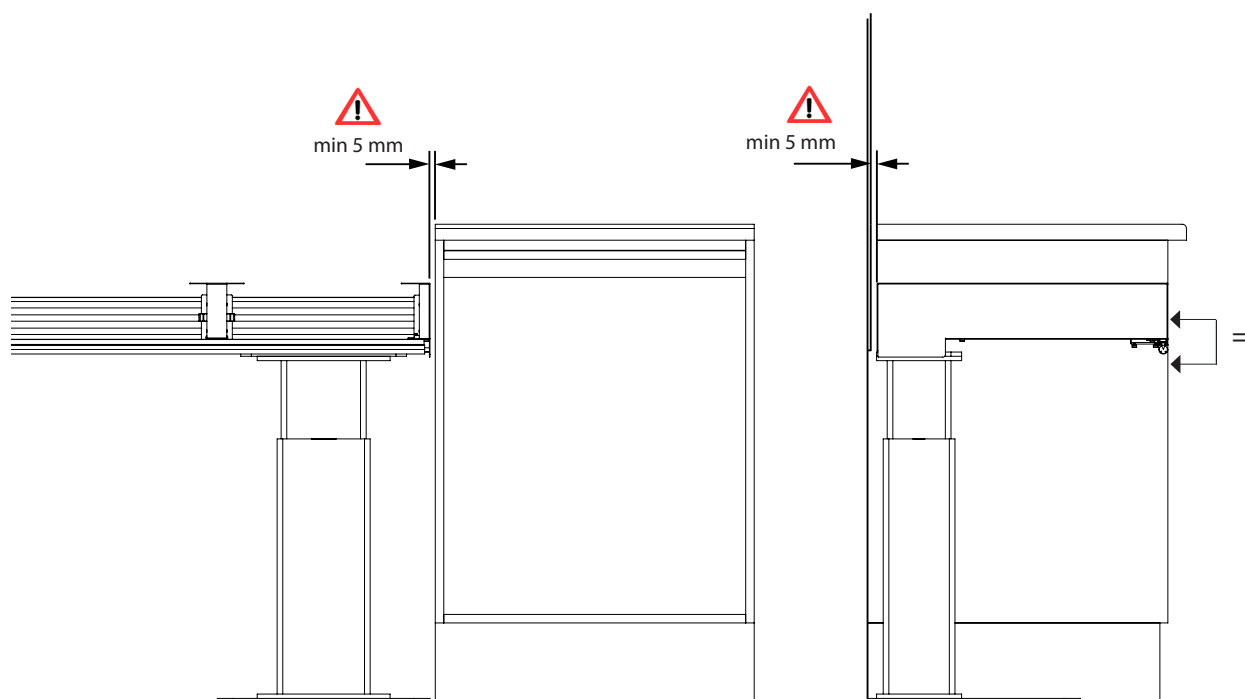
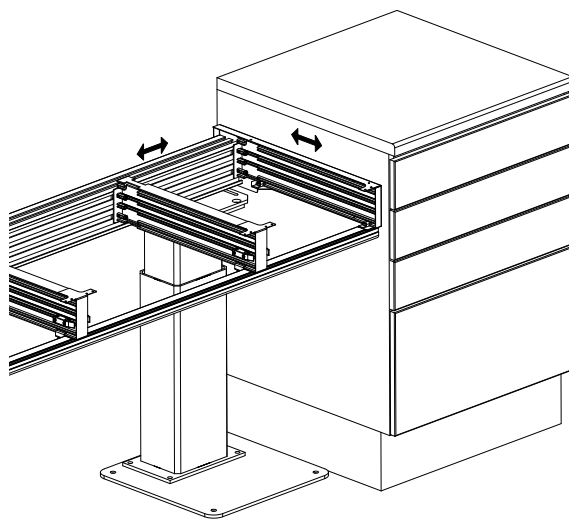
Adjust the aluminium frame in depth and side wise.

Adjust the depth so it suits with the rest of the kitchen.

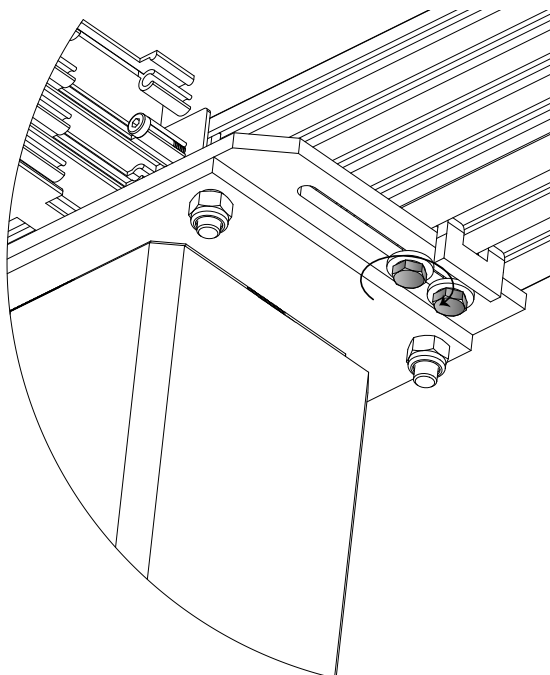
(The depth is adjustable between 560 to 580 mm).

A gap of at least 5 mm must exist around the bench lifter!

Lock the position when the adjustment is ready. See sketch below.



**Tighten the screws between the motors and the aluminium frame when the adjustment is ready.
4 screws per motor.**

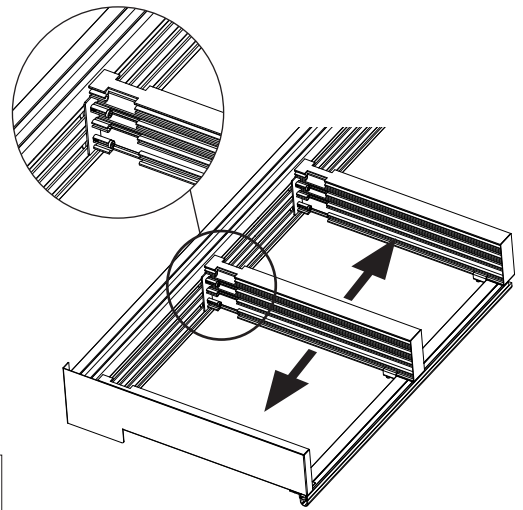
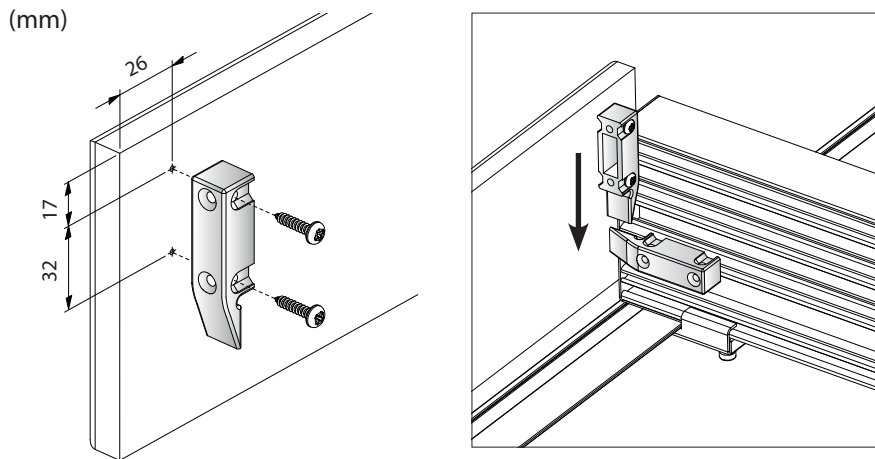


4.7 Mounting the fronts

If you need to adjust the sides to fit your fronts and drawers:
Loosen 6 screws in the aluminium beam and 2 screws under the aluminium profile that is holding the security strip.

Adjust the sides side wise to the correct position and lock the position.

Brackets and screws to mount the fronts at the aluminium frame are included in the delivery. Mount the screws at the back of the fronts. See measurements according to the picture below.



4.8 Installing the control button ALU recessed

The position of the push button is chosen together with the person that is going to use the worktop lift.

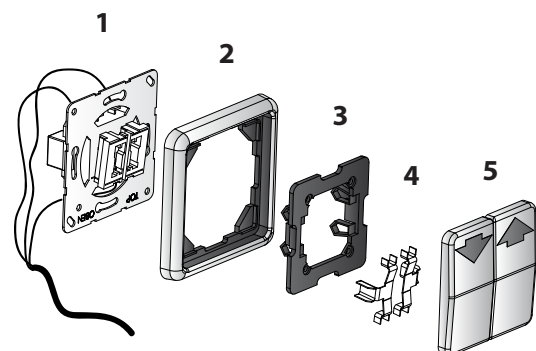
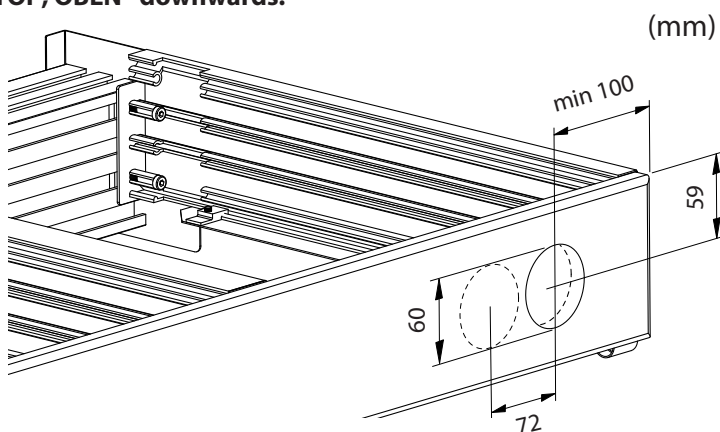
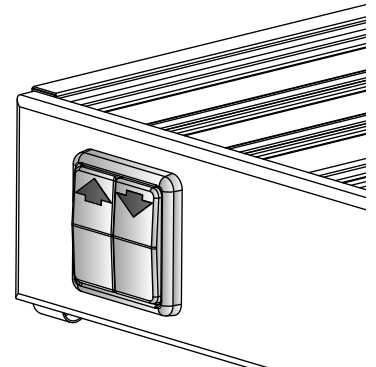
Use a 60 mm drill to make the hole in the front. The measure from the centre of the hole to the edge of the front are not allowed to be less than 100 mm.

It is a good idea to place push buttons next to each other if several lifting systems from Granberg are used in the same kitchen.

Two- or three-compartment frame are then used instead of one-compartment frame (2). The distance between the holes shall be 72 mm centre - centre.

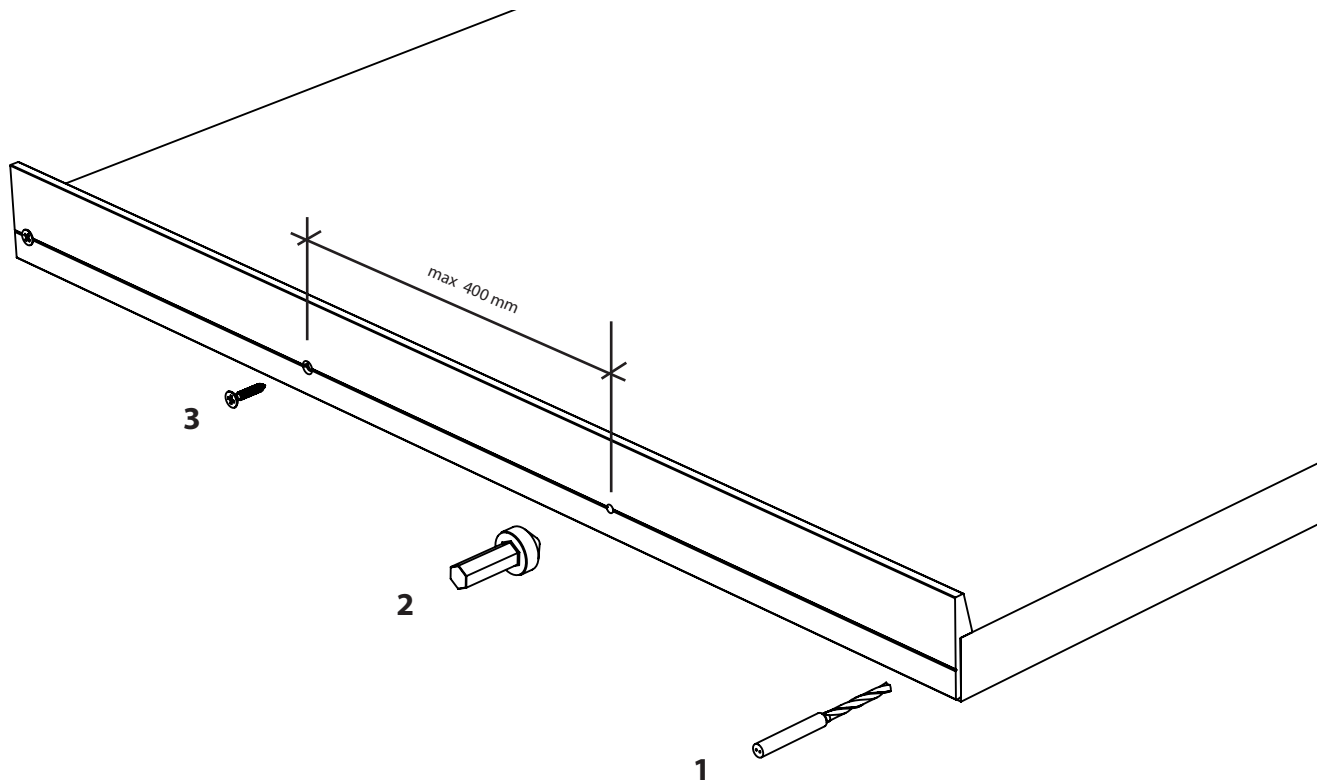
Power switch can also be used in combination with buttons. Power switch must be mounted together with a damp-proof cover that is delivered from Granberg. The hole for power switch shall be 73 mm.

Note that the inner part of the push button (1) shall be mounted with the text "TOP, OBEN" downwards.



4.9 Mounting the trailing edge Aluminum

If the trailing edge Aluminum is mounted on complete sink, the metal must be predrilled with a 2 mm drill.



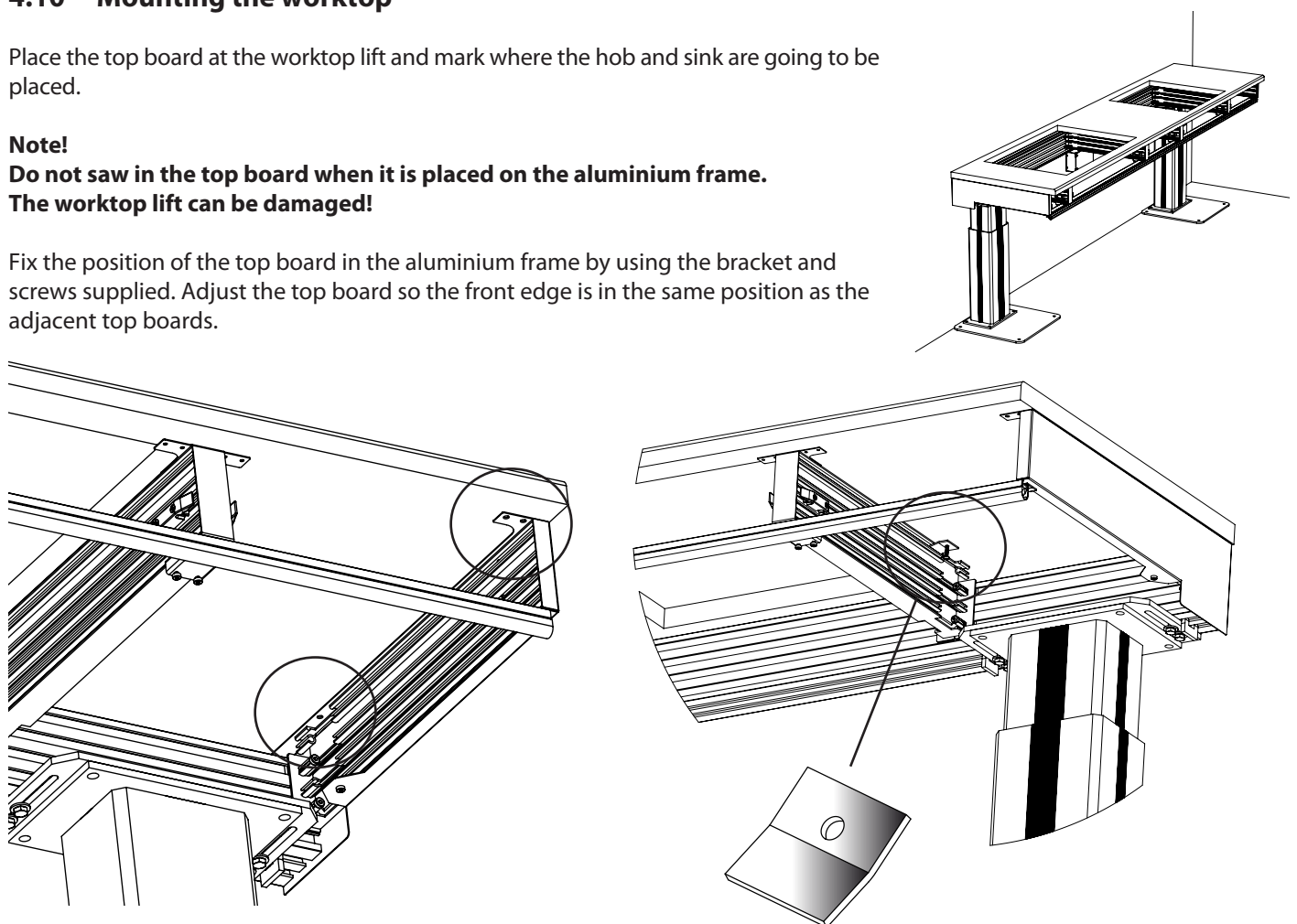
4.10 Mounting the worktop

Place the top board at the worktop lift and mark where the hob and sink are going to be placed.

Note!

**Do not saw in the top board when it is placed on the aluminium frame.
The worktop lift can be damaged!**

Fix the position of the top board in the aluminium frame by using the bracket and screws supplied. Adjust the top board so the front edge is in the same position as the adjacent top boards.



4.11 Installing a full sink

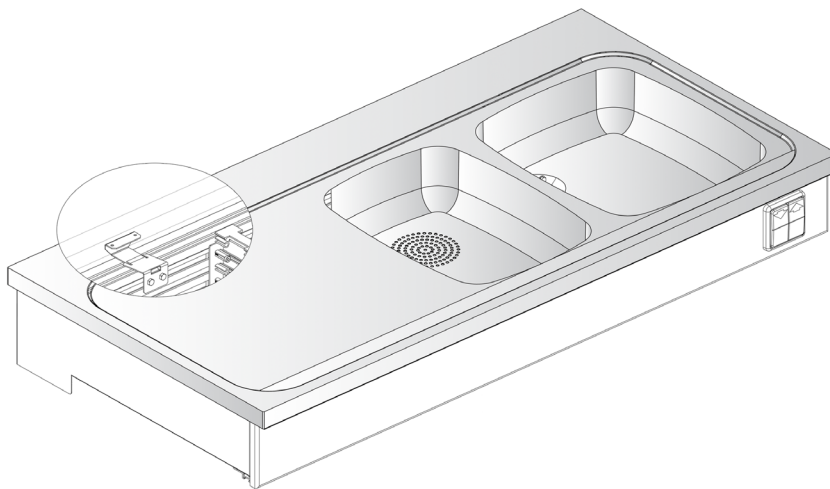
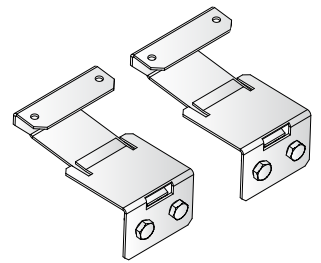
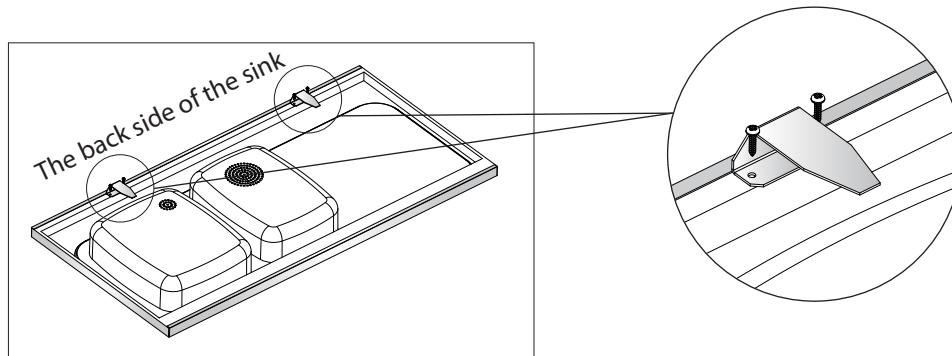
Granberg worktop lifts do only suit complete sinks delivered from Granberg.
(These sinks are special made to suit the worktop lift).

Do always contact granberg before use of a complete sink that is not delivered by Granberg.
See section 4.5 for correct drain connection.

Things to note if the sink is not delivered from Granberg:

The depth of the sink must be maximum 120 mm. The function of the security strip does not work by use of deeper sinks.

Mount the support bracket on the back of the sink.



Fix the front edge of the sink at the left and right edges.
In some cases it is easier to remove the front to be able to reach.

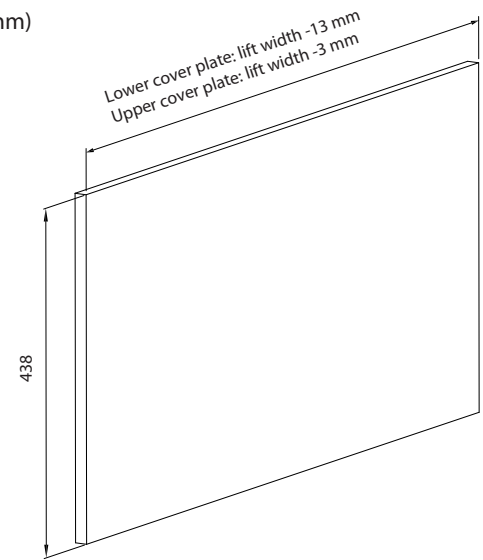
4.12 Installation of the cover plates

The cover plates are two plates, one placed at the floor and one that is following the movement of the worktop lift.

The upper and lower cover plate has the same dimension. The thickness of the plate can be 12 - 16 mm.

If cover plates are not ordered from Granberg, see dimensions according the sketch to the right.

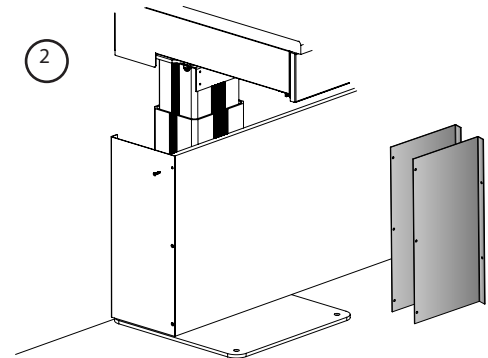
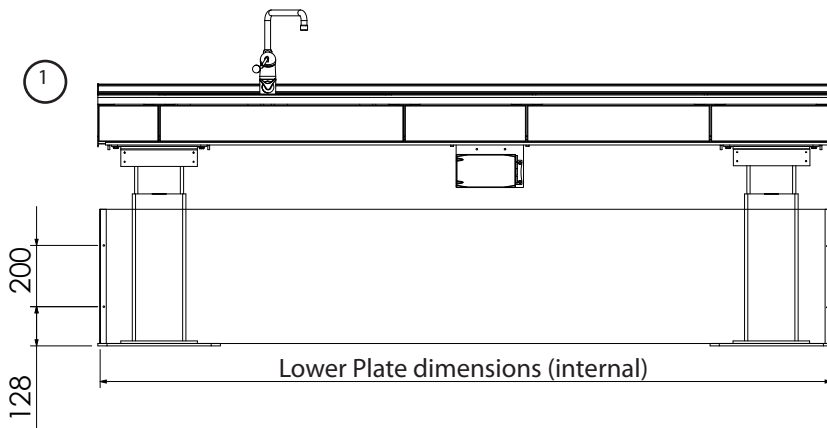
(mm)



4.12.1

Mounting the lower cover plate

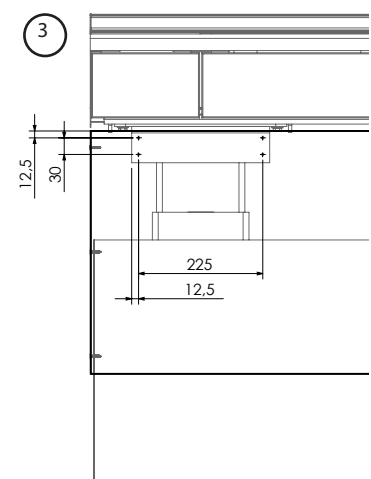
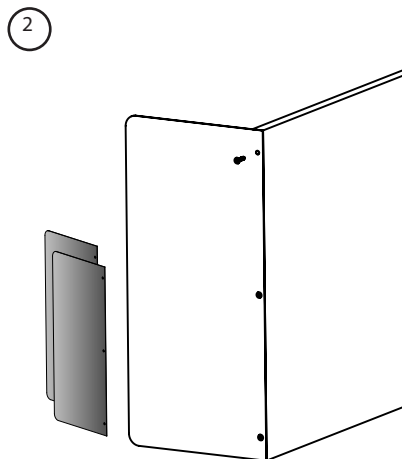
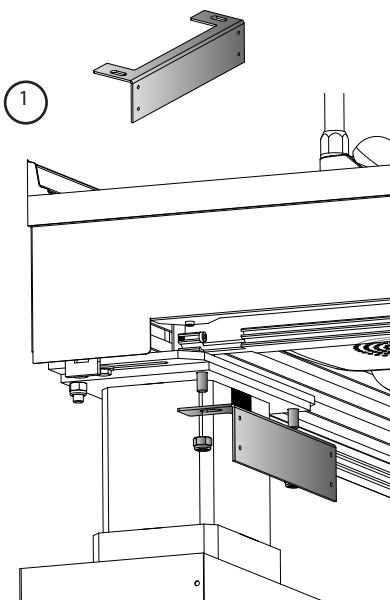
1. Screw the end brackets to the wall with the lower disc measurements between the brackets inside.
2. Screw the plate between the brackets.



4.12.2

Installation of the upper cover plate.

1. Fit the brackets on the motor pillars (1 piece / motor column).
The bracket is clamped between the nuts and the plate on the motor pillar.
2. Attach end plates on the disc.
3. Mark and drill holes with 6 mm drill according to sketch.



4.13 Operation Test

After installation a complete functional test with full load shall be made:

- Run the worktop lift up and down all the way to respectively end position. Check that the bench runs freely without trapping risks and jarring sounds. Make sure it stays in the lower respective upper positions.
- Check that the motor pillars moves exactly the same bench lifter has two motor pillars.
- Check that no cables or hoses are jammed or imprison themselves.
- Run the worktop lift down and check that the terminal strip under the worktop front edge works by tapping on it.
- The bench should stop immediately and turn upwards to release space.

5.1 Safe Use

The Worktop lift unit is provided with safety arrangements in order to prevent and avoid damages and accidents. It is however still very important that the operator is well instructed in how to install and operate the Worktop lift unit. In the following the Worktop lift unit means the lifting machine and the fitted accessories, such as drawers and chopping boards.

- Only use the Worktop lift unit for its intended purpose.
- The operation and use must be made in such way that there is no risk for damages on persons and property.
- The Worktop lift unit may only be operated by persons who have read and understood these instructions, and are authorized to use it.
- Be aware of that you as an operator are responsible for that nobody is damaged.
- The Worktop lift unit and the work area must be in proper condition. The Worktop lift unit must not be used if any fault has appeared which influences the functions or the operation safety. It shall also not be used if it has been repaired, altered or adjusted without permission of a responsible person.
- Do not touch any part of the lift when operating it. Only press the button for desired motion direction.
- Do not put hands, arms, or any other part of the body or any object under the worktop or the cabinets when it is operated.
- Do not operate with drawn out drawers or chopping boards.
- Do not raise the Worktop lift unit unless the space above it is free from persons or obstacles. In particular if the Worktop lift unit is installed under a Wall cabinet lift with adjustable height there is an imminent risk that you do not notice objects or equipment that might be trapped.
- Notice the jamming risk between the Worktop lift units and adjacent worktops and cabinets.
- Only stable and securely loaded items may be handled. Mind the tilting risk for objects on the worktop, which are unstable, e.g. carelessly piled.
- Safety devices must not be taken out of service or removed.
- Alterations of the Worktop lift unit that influence the operational safety or the functions are not allowed.
- Do not overload the Worktop lift unit and make sure that the load distribution is correct.
- It is absolutely forbidden for persons to stay on the worktop, to stand on extended drawers and chopping boards or to use the lift for lifting persons.
- Always distribute the load uniformly on the worktop, to avoid cantilevered loading. Consider the risk that the load can roll, slide or fall over.
- Use safe and sufficient lifting methods when handling load to and from the Worktop lift unit. In particular beware when handling heavy items, and goods with hazardous content or with sharp corners and edges.
- Be aware of the risks when you work on Worktop lift unit. The risks are depending on the arrangements on the worktop.
- The Worktop lift unit shall regularly, once a year, be inspected in order to prevent accidents.
- Applicable Building and Safe use Regulations must be complied with.
- Do not use the Worktop lift unit as a lifting jack, e.g. for lifting things from the floor.
- Do not use the Worktop lift unit in a potentially explosive environment.
- When the operation is in a public location, particularly when children can enter the work area, the operator shall make satisfactory arrangements to prevent persons from entering the hazardous area when the lift is being operated, or it has been lowered from the parking position, e.g. by means of blocking the work area or by means of adding protection devices.
- Decals and markings must not be removed or made illegible.
- During inspections, service and repair work there shall be no load on the worktop or in the cabinets. The most common functions can be reached when the cover panels have been removed.
- Competent persons only must carry out installation, service and repair works.
- Only Granberg original spare parts shall be used when replacing any parts. Our warranty commitment can otherwise be invalidated.

5.2 Safety arrangements

The underside of the Worktop lift unit is provided with a security strip. If the security strip is pressed during lowering, the worktop lift unit shall stop immediately. Check the security strip function often.



5.3 Load distribution and side forces

Note that the max. rated load means that the load is distributed over and inside the entire Worktop Lift. Point loads are not allowed.

It is absolutely forbidden for persons to stay on the worktop, to stand on extended drawers and chopping boards or to use the lift for lifting persons.

Basic loading requirements:

* **100 % of the rated load distributed over the entire cabinet volume.**

* **Horizontal forces are not allowed.**

Horizontal forces can appear, for example, when pressing onto the shelves or the load.

It is difficult to estimate the size of the actual horizontal force, so utmost care must always be taken.

Further to the incorporated safety arrangements additional safety actions may be required on or at the Worktop lift unit. Discuss suitable actions with your Granberg representative or with the health and safety inspection.

We recommend that a Risk assessment in accordance with the Machinery Directive shall be made for the actual working conditions. If the owner fits accessories, contact Granberg to get approval for the loading conditions.

5.4 Actions after use

The Worktop lift unit shall after use be left in its current position.

Switch off the main switch and lock it in closed position, if unauthorized use can occur.

To prevent unauthorized use it is also possible to furnish the control panel with a key switch, by means of which the control circuit is disconnected.

5.5 Alternative control devices

The operator shall have a clear view of the hazardous parts of the Worktop lift unit and its motions, but not directly within the work area, as there is a risk that objects may fall out from it. (Due to limited space it can be necessary to place the control devices within the work area).



Control buttons UP / DOWN of aluminium, recessed.

The button unit is mounted recessed in workbench front, cabinet side etc.



Frame for several control devices

If the control devices have been brought together to a common control station it is important to clearly mark which buttons control resp. lifting device. This will decrease the risk for operating another lifting device than the desired.

In order to prevent unauthorized use the control position can be provided with a key switch

See also section 5.1, "Safe use", regarding safe conditions and risks at handling the machine and the load!

5.6 Cleaning

In its use in a kitchen environment the mechanism can be exposed to dirt. As the worktop lift unit contains electrical components it is very important that cleaning is made according to this instruction.

WARNING!

- * **The Worktop lift unit must absolutely not be connected to the electric supply when cleaning is carried out.**
- * **The Worktop lift unit must absolutely not be rinsed with water! (not applicable for the sink).**

Care instructions:

Remove the cover panels under the Worktop unit, in front of the mechanism. The Worktop lift unit is cleaned with lukewarm water and a non-scratching detergent containing soap or similar. Use a Wettex swab or similar. After cleaning the surfaces shall be dried to avoid lime deposits.

5.7 Maintenance

The Worktop lift unit is maintenance-free. Greasing and other actions are made during the manufacturing for the lifetime of the lift. From safety point of view however some components shall be inspected each year.

- * Inspections, service and repair work shall be made by competent persons.
 - * Remove the objects from the Worktop unit before maintenance and repair works are made.
1. Run the lift down and up all the way to resp. end position. Check that it runs freely without trapping risks and jarring sounds.
 2. Lower the Worktop unit and lift the safety frame under Worktop unit to check that this operates properly. The Worktop unit shall stop immediately.
 3. Check that the cables are not chafed, squeezed or breaking.
 4. Check that the wall attachments are in proper order.
 5. If the Worktop is inclined adjustment can be made according to the installation instructions.

Accomplished inspections and repair works shall be specified in the service records in section 9.

6. Instructions for recycling

When the Worktop lift unit is reused make sure that safety trip panel is the right size.

When the Diagonal lift unit shall be re-used shall it must be cleaned, inspected and go through a full operation test before it is installed on the new site.

We recommend the machine to be sent to Granberg or to the Granberg distributor to get this done. The machine is manufactured from re-usable materials or from materials that can be recycled.

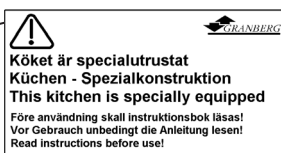
7. Stickers

Two decals are included in the instruction manual envelope, and these must be placed in the kitchen.



Risk of crushing at the front of the countertop
If the countertop on the worktop lift and countertop to adjacent cabinets stand out in front of each cabinet frame, there is a risk of crushing.

Place the sign that warns of the risk of crushing on the short side of the countertop on the worktop lift.



The decal that explains that the kitchen is specially equipped shall be placed close to the control the button.



The Max. load decal shall be placed at the push button box. Check that it stops and stays in the lower resp. upper positions.

8. Warranty

In accordance with the warranty conditions Orgalime S 2000 the manufacturer will replace or repair all faults which depend on manufacturing or material faults and which appear within twenty-four (24) months from the delivery. For further details about the conditions, see Orgalime S 2000.

Note!

Alternative warranty conditions may apply. See the Order Acknowledgement for actual conditions.

The warranty is only valid if inspections and maintenance is carried out in accordance with the instructions. This warranty does not cover the cost of normal maintenance, settings or scheduled adjustments as specified in the instructions. Also the labour costs for such actions are not covered by the warranty.

Damages caused by misuse or incorrect operation of the equipment means that the warranty would expire.

Before any warranty work is commenced by a customer Granberg must be contacted for analysis and approval. We do not accept to carry any warranty costs if the repair work has started without an agreement by us.

Do not return any parts that have been worn out during normal operation or accidentally damaged. Only return worn or damaged parts if it is considered that the fault is covered by our warranty conditions. In such cases, return the parts without delay, otherwise the right to replacement may be lost.

When returning parts always quote the details shown on the manufacturer's plate, i.e. Type, manufacturing number, year and describe the operating conditions for the machine.

Remember to quote name, address and telephone number for the appropriate contact person.

9. Service and Maintenance Records

Type and model: _____ Manufacturing No.: _____

Delivery date: _____

Service & maintenance Date: _____ Sign. _____ Remarks: _____ _____ _____ _____	Service & maintenance Date: _____ Sign. _____ Remarks: _____ _____ _____ _____	Service & maintenance Date: _____ Sign. _____ Remarks: _____ _____ _____ _____
Service & maintenance Date: _____ Sign. _____ Remarks: _____ _____ _____ _____	Service & maintenance Date: _____ Sign. _____ Remarks: _____ _____ _____ _____	Service & maintenance Date: _____ Sign. _____ Remarks: _____ _____ _____ _____

10. Troubleshooting

The Worktop lift unit is designed and tested to achieve optimum operation reliability and long life, provided that the operation, maintenance and inspections are carried out in accordance with the prescribed instructions. If in spite of this a fault appears you can get guidance about what to do according to the fault finding list below.

Remove the load from the cabinet before fault finding and repair work is carried out. Fault finding, service and repair work shall be made by competent persons only.

If any problem remains after you have taken actions in accordance with the list below you must contact a competent technician or your supplier.

Symptom	Action
The worktop lift unit does not move when pushing the button.	Check that the mains plug is connected.
	Check that the wires are properly fastened in the control device.
	Try to reset the system by pushing the button for down in 5 sec. The reset has succeeded when you hear a "click" sound. Try to run the worktop lift unit down and up all the way to respectively end position.
The worktop lift unit does not move when pushing the button and it clicks three times from the control box.	The worktop lift is not possible to run if the connection to the security strip is broken. Check that the security strip is connected and that there are no damages. Check the connections between the security strips if the worktop lift has several security strips.
The lift is not in line, the motors are in different positions.	Run the worktop lift down until it stops. Press down again and wait until the motor legs are in line. Now you have synchronized the motor legs.

When repair work has been carried out on the Worktop lift unit a complete functional test with full load shall be made, before it is taken into use. (See section 4.13).

11. Spare parts list

If any component does not work or has broken, contact your supplier. Only Granberg original spare parts must be used when replacing any parts. Our warranty commitment may otherwise be invalidated.

Return of spare parts:

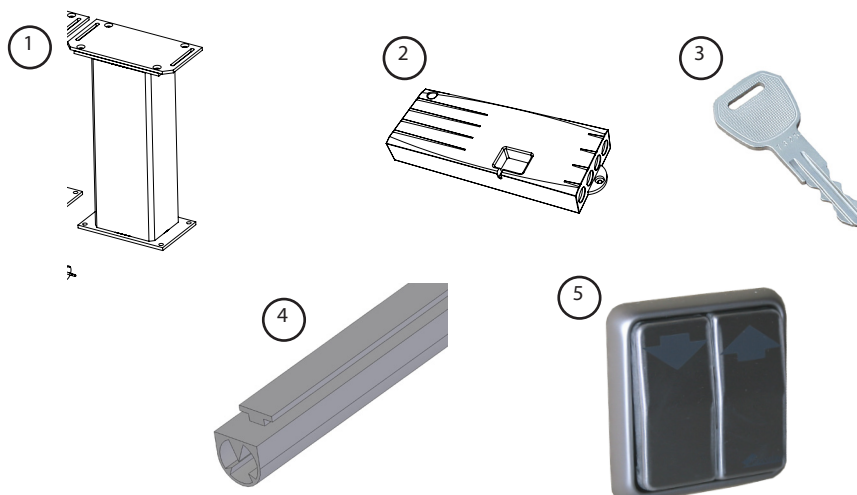
Contact your supplier prior to any return of parts.

Do not return any parts that have been worn out during normal operation or accidentally damaged. Only return worn or damaged parts if it is considered that the fault is covered by our warranty conditions. In such cases, return the parts without delay, otherwise the right to replacement may be lost.

When ordering spare parts always quote the manufacturing number and type.

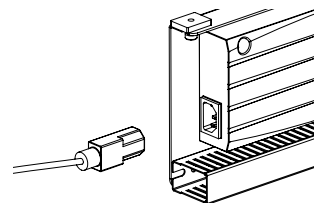
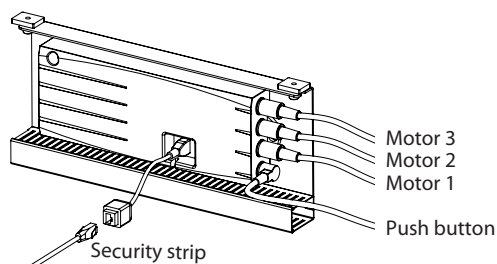
Pos: Description:

- 1 Motor
- 2 Control box
- 3 Key for safety lock
- 4 Safety strip
- 5 Recessed push button

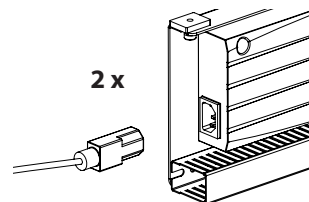
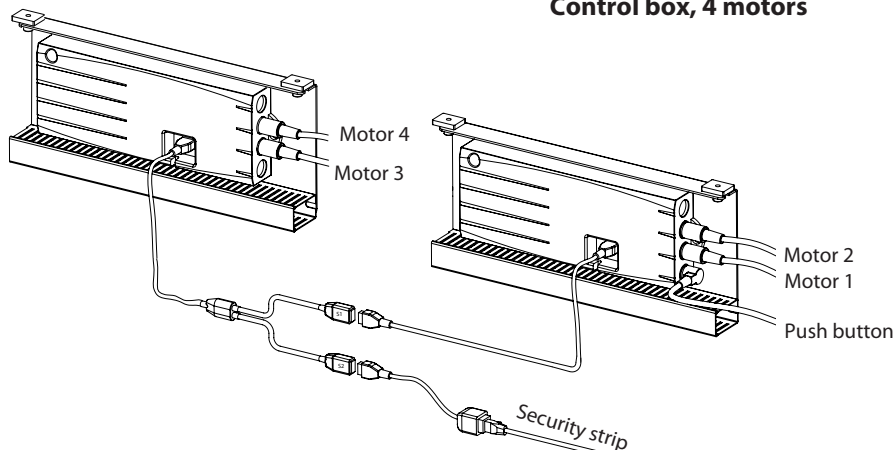


12. Electric system / Electric diagram

Control box, 2-3 motors



Control box, 4 motors



13. CE-Declaration of conformity

(According Machinery Directive 2006/42/EG, Annexe 2A)

Manufacturer: Granberg Interior AB
Box 6112,
SE-600 06 NORRKÖPING, Sweden

Tel. +46-11-19 77 50



declares under sole responsibility that the product:

Space for machine plate

to which this declaration relates, is in manufactured in conformity with the following harmonised documents, following the provisions of Machinery Directive 2006/42/EG, the Low Voltage Directive 2014/35/EU and the EMC Directive 2014/30/EU.

It also conforms to the following harmonised standards:

EN 60204-1:2006	Safety of Machinery - Electrical Equipment of Machines -General Requirements
EN ISO 13857:2008	Safety distances to prevent hazard zones being reached by upper and lower limbs
EN 349:1993+A1:2008	Safety of machinery. Minimum gaps to avoid crushing of parts of the human body

The undersigned is authorized to assemble the technical documentation.
Norrköping, 2017-06-19

Tobias Granberg, VD
Managing Director



GRANBERG

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