

Installation of windows

Checklist when installing LEIAB's fixed windows, opening windows and inwards opening doors

Delivery and storage on-site

Damages caused during transport or any missing products must be noted on the consignment note. Any damage should be communicated before fitting, no later than 7 days after delivery. Otherwise ABM07 is in effect.

Store the products in their original packaging in a dry and well ventilated space, away from direct sun light. The plastic around the products from the factory is only intended as packaging during transport.

Wall type and fitting tolerances

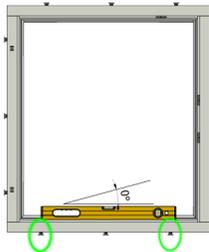
Installation should be done in a solid material and shims should be of a sturdy material.

For fitting materials in combination with adjustable fitting collars refer to ByggAMA or equal.

LEIAB recommends a installation gap between the door and the wall opening of 7.5-15 mm on each side.

Opening products should be installed with the sash removed from the frame.

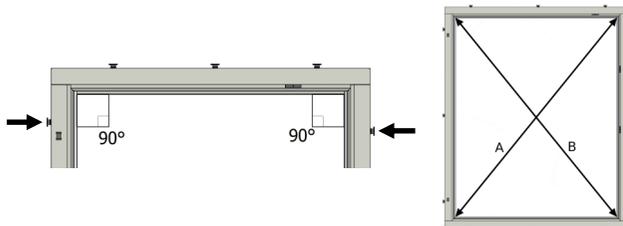
1. Adjust the bottom part



Use the fitting collars in the bottom piece to level it.

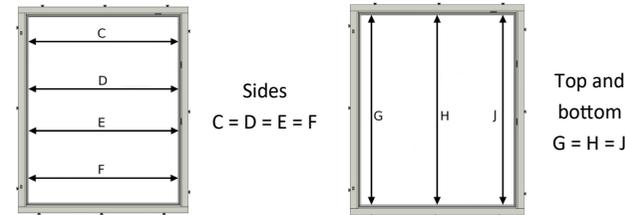
2. Adjust angles and diagonals

Use the upper fitting collars to adjust the frame until all four corners are at right angles and the diagonals are equal, $A = B$.



3. Adjust width and height

Use the remaining fitting collars to adjust the frame until all measurements along the width and height are equal.

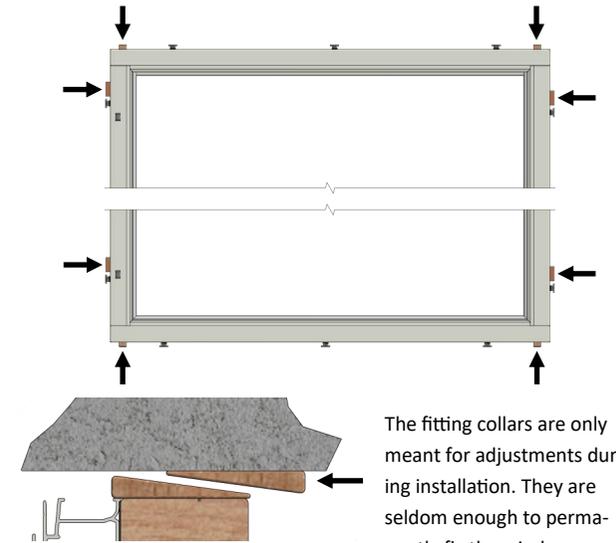


Also check that the frame is plumb inwards and out, and that it is not twisted in any way.

4. Apply supporting blocks and wedges

Once the frame is adjusted, use supporting blocks near the fitting collars to support the frame against the wall opening.

Also use wedges at the top, above the side parts to force the frame against the bottom of the wall opening.



The fitting collars are only meant for adjustments during installation. They are seldom enough to permanently fix the window. This is why blocks are used.

5. Install frame screws

Once the frame is adjusted and the blocks are in place, insert and tighten frame screws through the fitting collars.

Make sure that all fitting collars are used.

6. Final checks

Once the frame is mounted, install the sash and ensure that the frame does not settle or moves from its fitted position in any way.

In particular, check that the hinge side does not sink from the weight of the sash and that the diagonals are still equal.

Afterword

A good installation according to these instructions is vital for proper function of the products.

Most important is to achieve a correct adjustment and a rigid fixation of the frame.

Post installation adjustments

If needed, to achieve a proper functionality, the hinges and other ironmongery can be adjusted according to our adjustment instructions. These adjustments can only partially compensate for an improper installation.

Complete adjustment instructions are available at:

www.leiab.se

Service and supplementary adjustment might be needed and is not included in the supplier's commitment.

Installation of outwards opening doors using fitting collars

Checklist when installing LEIAB's outwards opening doors

Delivery and storage on-site

Damages caused during transport or any missing products must be noted on the consignment note. Any damage should be communicated before fitting, no later than 7 days after delivery. Otherwise ABM07 is in effect.

Store the products in their original packaging in a dry and well ventilated space, away from direct sun light. The plastic around the products from the factory is only intended as packaging during transport.

Wall type and fitting tolerances

Installation should be done in a solid material and shims should be of a sturdy material.

For fitting materials in combination with adjustable fitting collars refer to ByggAMA or equal.

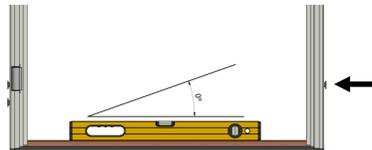
LEIAB recommends a installation gap between the door and the wall opening of 7.5-15 mm on each side.

Opening products should be installed with the sash removed from the frame.

1. Adjust the threshold

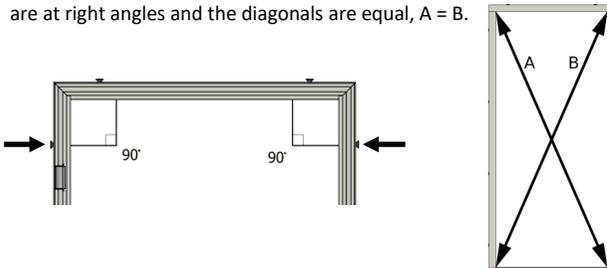
Ensure that the threshold is level and fully supported from below.

Use the lower fitting collars to fixate the threshold first



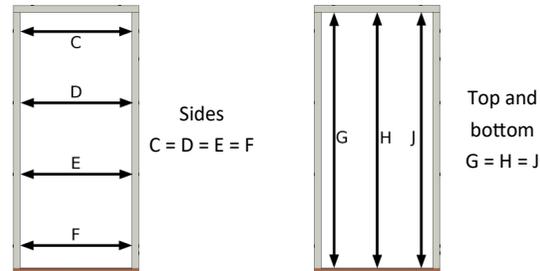
2. Adjust angles and diagonals

Use the upper fitting collars to adjust the frame until all four corners are at right angles and the diagonals are equal, $A = B$.



3. Adjust width and height

Use the remaining fitting collars to adjust the frame until all measurements along the width and height are equal.

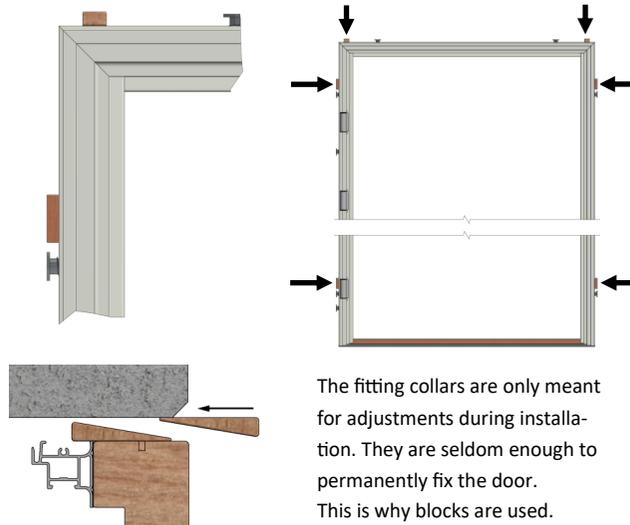


Also check that the frame is plumb inwards and out, and that it is not twisted in any way.

4. Apply supporting blocks and wedges

Once the frame is adjusted, use supporting blocks near the fitting collars to support the frame against the wall opening.

Also use wedges at the top, above the side parts to force the frame against the bottom of the wall opening.



The fitting collars are only meant for adjustments during installation. They are seldom enough to permanently fix the door. This is why blocks are used.

5. Install frame screws

Once the frame is adjusted and the blocks are in place, insert and tighten frame screws through all fitting collars.



Make sure all fitting collars are used, especially those in the aluminium frame on the hinge side.

Re-torque the screws in the frame hinges and make sure their locking screws are tightened. Instructional videos on this is available on our website.

6. Final checks

Once the frame is mounted, install the sash and ensure that the frame does not settle or moves from its fitted position in any way.

In particular, check that the hinge side does not sink from the weight of the sash and that the diagonals are still equal.

Afterword

A good installation according to these instructions is vital for proper function of the doors.

Most important is to achieve a correct adjustment and a rigid fixation of the frame.

Post installation adjustments

If needed, to achieve a proper functionality, the hinges and other ironmongery can be adjusted according to our adjustment instructions. These adjustments can only partially compensate for an improper installation.

Complete adjustment instructions are available at:
www.leiab.se

Service and supplementary adjustment might be needed and is not included in the supplier's commitment.

Installation of outwards opening doors using straps

Checklist when installing LEIAB's outwards opening doors

Delivery and storage on-site

Damages caused during transport or any missing products must be noted on the consignment note. Any damage should be communicated before fitting, no later than 7 days after delivery. Otherwise ABM07 is in effect.

Store the products in their original packaging in a dry and well ventilated space, away from direct sun light. The plastic around the products from the factory is only intended as packaging during transport.

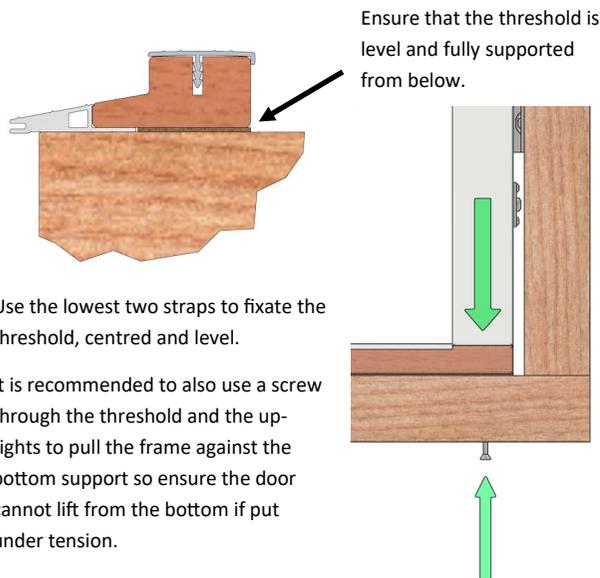
Wall type and fitting tolerances

Installation should be done in a solid material and the straps should be non flexible and properly fitted. For other fitting materials in addition to the straps refer to ByggAMA or equal.

Opening products should be installed with the sash removed from the frame.

Straps should be located max. 150 mm from edges and spaced max. 450 mm apart.

1. Adjust and fixate the threshold



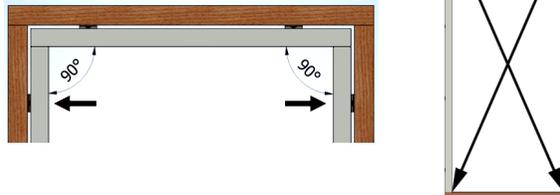
Ensure that the threshold is level and fully supported from below.

Use the lowest two straps to fixate the threshold, centred and level.

It is recommended to also use a screw through the threshold and the up-rights to pull the frame against the bottom support so ensure the door cannot lift from the bottom if put under tension.

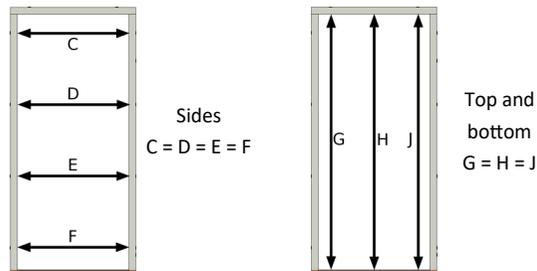
2. Adjust angles and diagonals

Use the upper straps to adjust the frame until all four corners are at right angles and the diagonals are equal, $A = B$.



3. Adjust width and height

Use the remaining straps to adjust the frame until all measurements along the width and height are equal.



Also check that the frame is plumb inwards and out, and that it is not twisted in any way.

4. Fixate straps securely into the wall



The straps must be securely screwed to the door frame and welded or screwed to the wall.

They must not rotate, even if put under load from the frame and the sash.

5. Make use of the aluminium fitting collars

There are fitting collars installed in the aluminium frame on the hinge side of the frame.



These must be fixated, either directly to the wall, or using a steel plate to screw them to the wood frame.



Re-torque the screws in the frame hinges and make sure their locking screws are tightened. Instructional videos on this is available on our website.

6. Final checks

Once the frame is mounted, install the sash and check again that the frame has not settled or moved from its fitted position in any way.

In particular, check that the hinge side does not sink from the weight of the sash and that the diagonals are still equal.

Afterword

A good installation according to these instructions is vital for proper function of the doors.

Most important is to achieve a correct adjustment and a rigid fixation of the frame.

Post installation adjustments

If needed, to achieve a proper functionality, the hinges and other ironmongery can be adjusted according to our adjustment instructions. These adjustments can only partially compensate for an improper installation.

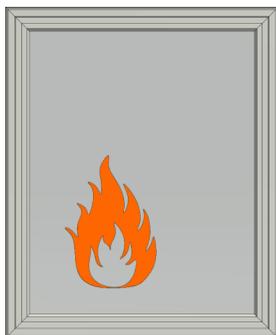
Complete adjustment instructions are available at:

www.leiab.se

LEIAB reserves the right to amend any technical information/instructions provided at any time without prior notice

Service and supplementary adjustment might be needed and is not included in the supplier's commitment.

Fire



Installation follows the same principles as the respective standard product with the additions below:

- Insulation around the frame should be with a material that does not burn or melt, such as ceramic fiber or mineral wool. Minimum density should be 30 kg/m³ uncompressed.
- On both the inside and the outside, the joint should be sealed with a fire retardant sealant. The sealant should be listed in the current list MTK Brand (www.mtk.se)
- When installing fire rated doors or windows, the manufacturer's instructions MUST be followed.

Security



Installation follows the same principles as the respective standard product with the additions below:

- Security can be enhanced by making sure the wall adjacent to the locking points and the hinges is as robust as possible and does not flex.
- Installation with fitting collars can be strengthened by placing a pressure plate between the collar and the wall. This will both support the frame and allow for adjustment.
- If installing the old-fashioned way, with shims and screws. Make sure the shims are located adjacent to the locking points.
- If installing with fitting collars, the shims should be left in place. The shims should also be glued to the wall frame to lock them in place.

Noise



Installation follows the same principles as the respective standard product with the additions below:

- When installing sound insulating products it is imperative there are no holes, cracks or voids in the insulation around them.
- Leave a 15 mm gap between the insulation on the outside to leave an air gap.
- Consider using double insulation strips. The inner one should be surface sealed with a plastic coating.
- On the inside, the insulation should be topped with a backer rod that is pressed into the gap. On top of this add a seal with diffusion-tight and elastic mastic with good adhesion to both the frame and the wall e.g. silicone, acrylic latex caulk or similar.

For additional information and detailed instructions regarding heightened performance products, refer to LEIAB's web page www.leiab.co.uk and www.tmf.se.