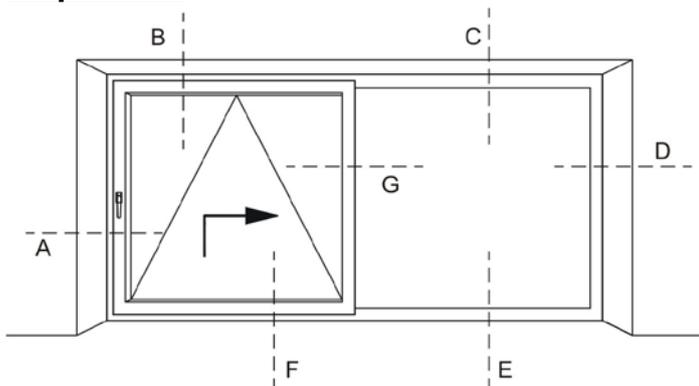


Birkeholm

Lift and Slide Door

Preparation:



Congratulations on your purchase of these high quality lift and slide door, produced to the highest quality requirements of DIN/EN-ISO 9001 & RAL-product guarantees.

Delivery:

As a first precaution, upon delivery and after removal of the protective packaging, a thorough visual inspection of the units to be fitted should always be made. Please ensure that the units are completely free from defects. If you discover any damages during this visual inspection, please contact the distributor immediately.



DO NOT fit damaged units.

Local Conditions:

Position of frame into brick work:

Clarify the position of the brickwork opening with the responsible contractor (if level out or inside, middle position or with groove). Please note: With a level position it is important to consider the type of fastening, as brick scaling may occur with the use of dowels. Clean build openings, e.g. remove any mortar remnants etc.

Information:

Units delivered primed only must be treated with a second layer before fitting and receive end treatment no later than 3 months after fitting.

Fitting Preparation:

Lift and slide units are delivered in sections. Delivery will consist of one or more frame packages as well as fixed and movable sash/es. Fitting of frames is first.

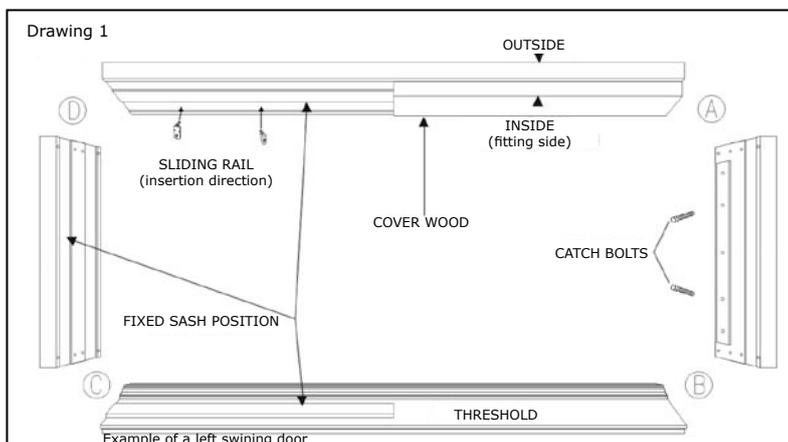
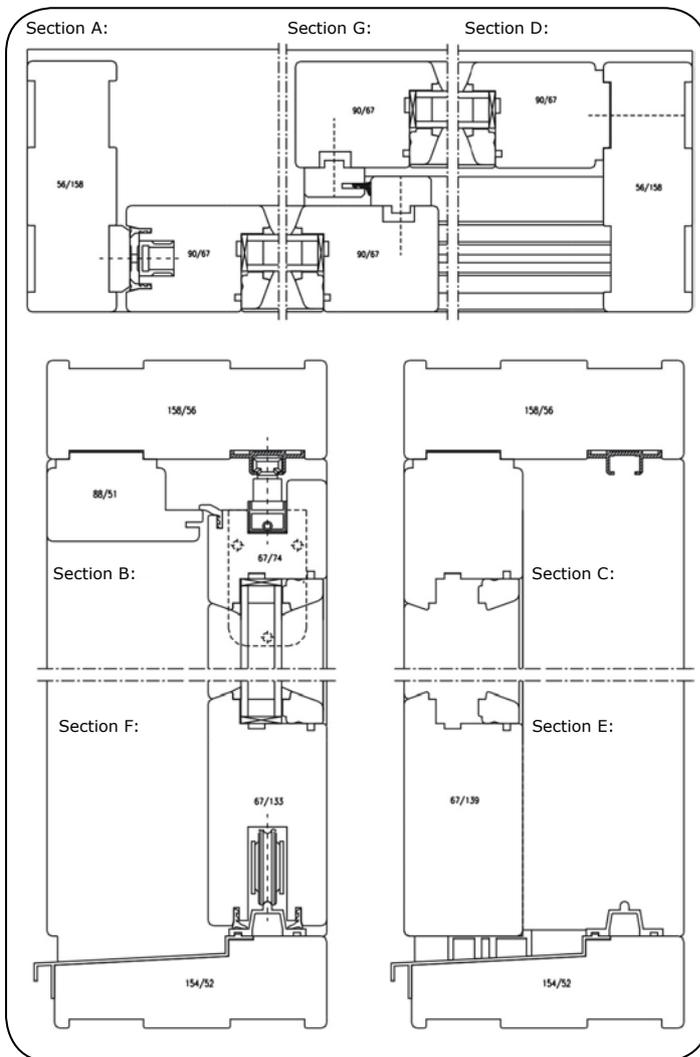
Lay the frame in a ready position with the outside facing up. When fitting, protect the unit using wooden panels under the corners. Push the sliding rail into the alu guiding rail on the top frame (Drawing 1).

Sequence for screwing together of frame:

- Connect corner A (top) as per drawing with corner connection screws.
- Connect corner B (at bottom)
 - Position the connecting piece/corner joint piece in such a way that the drilling holes overlap.
 - Lightly join threshold and upright frame with the corner connection screws.

HINT: Pushing in the threaded bolts will prevent the connecting piece from falling down.

- Ensure that the outer edge of the threshold is level with the vertical frame, i.e. the threshold must not overlap the frame before securing using the connecting screws.



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Life and Slide Door

Fitting:

Fitting of fixed frame:

- 1) Fitting of fixed frame
 - Pull fixed frame into top groove and secure with a screw (the inside must lie against the cover wood)
 - Lie fixed frame on the threshold rail and secure from sliding by means of a support.
- 2) Join corner C as under section B (Sequence for screwing together frame).
- 3) Join corner D as under section A (Sequence for screwing together frame).
- 4) Carefully ensure that the opening is level by measuring the opposite corners (diagonal corners C-A and D-B).
- 5) Attach fixed frame to threshold using screws.
- 6) Then attach fixed frame on the sides and to the top frame with

Fitting of units:

- 1) Position recoiled weather strip at the top and sides of the outer frame or on the bricks with a distance of about 5 mm and use foil coating.



Pay special attention to the fitting instructions of the country in which the units are fitted and with consideration to the manufacturing guidelines.

- 2) Fit threshold with tie bolt (prior to fitting, investigate fixing possibilities and test accessories).
- 3) Level the lift and slide unit frame and insert into wall opening.
- 4) Level the lift and slide unit frame inside wall opening.
 - Level threshold using straightedge and builder's level.
 - Ensure that builder's level lies flush on threshold.
 - Pressure proof lower lining must be applied at least every 500 mm
 - Following levelling attach to brick wall.



Please use wooden wedges for levelling and temporary fixing only. They are not suitable for permanent attachment.

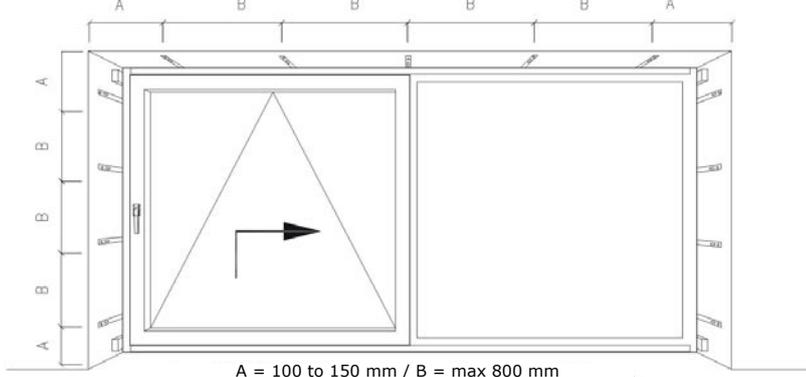
Load bearing blocks should only be placed on rot-proof material (treated hard wood or synthetic material) and should not impair later covering measures.

- 5) Level vertical frame sections using builder's level (90° angle) and secure with blocks.
- 6) Attach vertical and top frame with frame dowels.

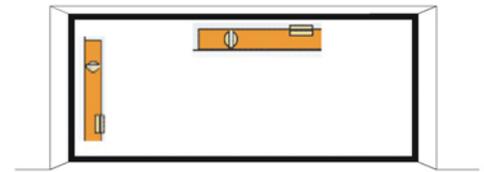
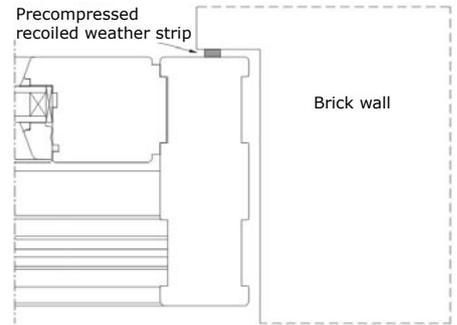


For permanent attachment only use screws which are approved for window fitting. Window frame dowels or brick work claws. Please investigate if you have the correct tools and attachment equipment PRIOR to fitting. Also, you should test your equipment and tools as well as inspect local conditions.

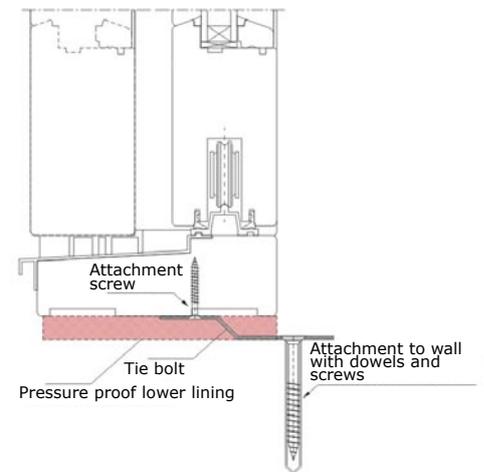
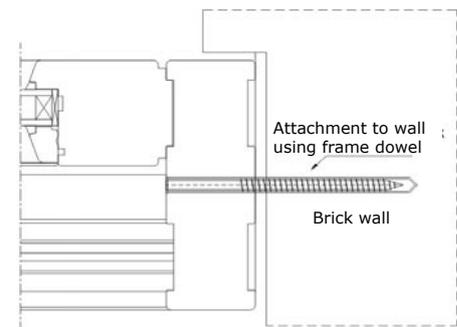
Attachment distances



A = 100 to 150 mm / B = max 800 mm



Level unit vertically and horizontally and secure with wedges



Before covering the frame, remaining cavity between wall and frame must be filled entirely with PVC foam or mineral wool. Fitting foam counts as insulation, not as further fixation. As a rule, the joint should "always be tighter on the inside than the outside".

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Life and Slide Door

Fitting/Adjusting:

Waterproofing:

- 1) Fit and pull in fixed frame vertical weather strip
The weather strip must also be pulled into the front groove of the top cover wood.
- 2) Test the positioning of the lower weather strip block at the middle point below the threshold.
- 3) Screw in catch bolts half way to a distance of 20-25 mm from screw top to screw hole (illustration 3).
- 4) Pull lateral top waterproofing into the sliding sash. Cut the weather strip so that it is level with the fixed frame (Illustration 4).

Hang movable sash:

- 1) Position sash on the threshold sliding rail.
- 2) Screw sliding rail onto the operational side of the sash (illustration 5).

Position middle weather strip panel to movable sash:

- 1) Close unit.
- 2) Measurement X is needed to fit the weather strip panel to the movable sash => from outer edge of the sliding sash until the start of the vertical weather strip (illustration 2). Measure from several points.
- 3) Rehang the movable sash.
- 4) Add 1.5 mm for strip pressure to the measurement found => Measurement X + 1.5 mm (illustration 2).
- 5) Screw weather strip panel using factory-made holes to the place found via measuring.
- 6) Hang sash and attach the sliding rail on both sides (illustration 5).
- 7) Test pressure and tightness. Tightness may be adjusted via moving panels at the middle (illustration 2).

HINT: Slide a newspaper into the partly opened unit and close the unit with the paper inserted. If the newspaper cannot be moved, the pressure and tightness is OK. Please test at multiple points.

Adjustment to equal sash pressure:

(= pressure of movable sash onto frame weather strip).

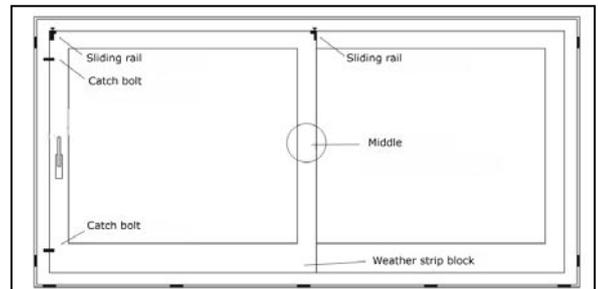


Illustration 1

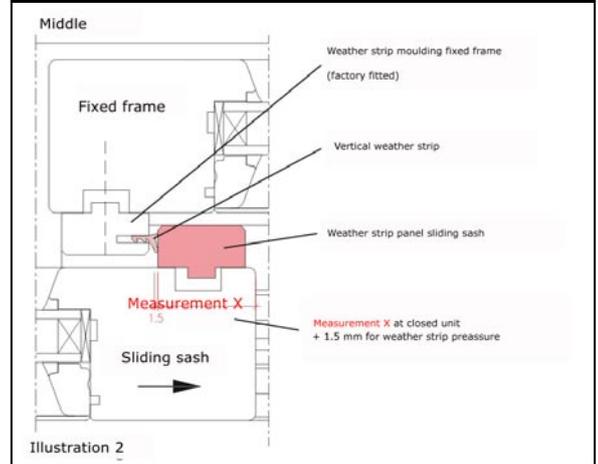


Illustration 2

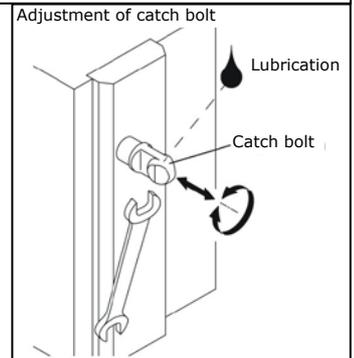


Illustration 3

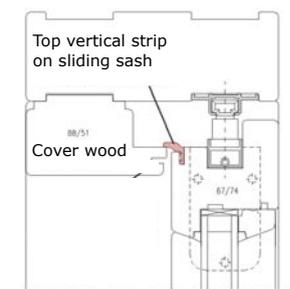


Illustration 4

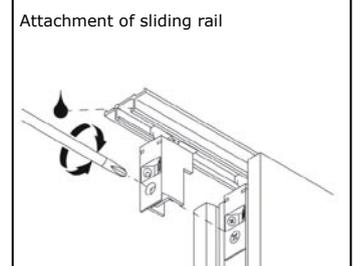


Illustration 5

| Part no. | No. | Description | | Part no. | No. | Description | | |
|--|-----|-------------|--|---|-----------------------------------|------------------|------------------------|--|
| | | | | | | | | |
| <p>Component extras</p> <p>Please note!</p> <p>Test for functionality before fitting</p> | 1 | 1 | Door handle | 9 | 2 | | Catch bolt | |
| | 2 | 1 | Handle shell | | | | | |
| | 3 | 2 | 6 x 70 mm threaded screw | | | | | Handle attachment |
| | 4 | 2 | | Weatherproofing for lower corner joint | 10 | 2 | | Door stop |
| | 5 | 2 | | Synthetic spacer for lower corner joint | 11 | Dep on door size | 6 x 80 mm wood screw | Attachment of fixed frame |
| | 12 | 8 | 4 x 45 mm wood screw | | Attachment of weather strip panel | | | |
| | 6 | 8 | | Corner joint screw | 13 | 5 | 3.5 x 30 mm wood screw | Attachment of sliding rail |
| | 7 | 1 | | Sliding guide for operational and lock side (only lift and slide door) No. 1 | 14 | 1 | | Weather strip for lift and slide unit only. (pull into top sash wood) |
| 8 | 1 | | Sliding guide for lift and slide middle No. 2 | | | | | |

Birkeholm

Life and Slide Door

Maintenance and care:

Surface:

Inspect units for surface damages following fitting. If the surface has been damaged, these damages must be repaired immediately. With further building work using e.g. paint, foam sealants, or angle grinder, ensure that units are appropriately protected. If using any types of adhesive tapes, ensure that only tape suitable for the surface is used, like e.g. TESA-UV-resistant exterior adhesive tape 04438 (blue). Please clean units using water only. A small amount of a non alkaline domestic detergent may be added to the water.

Too high air humidity (above 70% e.g. caused by the casting of floors or wallpapering) results in wood bulking and may thus result in damages. Please ensure that windows are opened daily while building or apply a drying device (no gas heater). Misting on the inside of windows is a sure sign of too high air humidity.

The need for paint depends on weather and environmental impact on units which again depends on location and protection offered by the property. Thus it is imperative that units are inspected regularly, especially outside surfaces. The use of special cleaning agents and protective paints such as GORI 901 will leave the wooden surface looking fresh. Depending on exposure, protective agents should be applied once or several times a year. In this way, windows are further protected from weather impact, renovation gaps are prolonged and thus also life. Renovation paint may be necessary every 2-3 years mainly on the most exposed parts of the windows. When renovating, ensure that the existing surface is cleaned and sanded to the point at which a paintable surface is reached. Applying multiple layers of paint will ensure a longer life of the painted surface. Ensure that silicone seals, hardware and weather strips as well as all anodised aluminium parts are not painted. Do not work at temperatures under 8° C or 85% relative humidity.

Glass:

Remove any labels and clean using a mild detergent. We recommend the use of plain water with a small amount of added ethyl alcohol. Please note: Do not use any scraping tools, razor blades, scraping knife or scrubbing brushes. Ensure that settings of cement and other build remnants are removed immediately, as otherwise a chemical corrosion of the glass surface may occur that will result in a mock window.

Hardware:

Your windows and doors were inspected carefully in the factory. Normally a hardware adjustment is not necessary. It may, however, become necessary due to unforeseeable changes or yearlong use. The windows and doors have these adjustment options built in. Annual lubrication of hardware ensures smooth running of window and door hardware. Please ensure that an acid and resin free lubricant is used.

Weather board/Drip cill:

Please respect the weather board regularly for dirt to ensure that rain water drains easily.

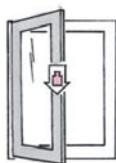
Durability and functionality:

To ensure durability, functionality as well as security, it is imperative that the Maintenance, Care and Operational Instructions are followed.

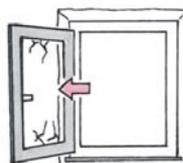
Please protect wooden windows from soiling or damage during fitting and subsequent build or plastering work! Units are to be covered sufficiently! Any subsequent soiling is to be cleaned immediately using plenty of water!

During the build, please also ensure sufficient ventilation, so that any humidity from the build may evaporate quickly. Regular ventilation reduces the risk of misting and swelling of window wood.

Too high build humidity may result in damage to units which are not entitled complaints !



Do not expose window sash to any excess load.



The sash may not be forced or knocked into the wall opening.



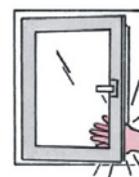
Do not insert any objects between sash and frame.



If small children or mentally impaired persons have access to the window, secure the sash from opened up, e.g with a stopping device or lockable handle.



In strong winds do not leave the sash in sidehung position.



Take care! A window which slams close may result in injuries. When closing do not grab between sash and frame.