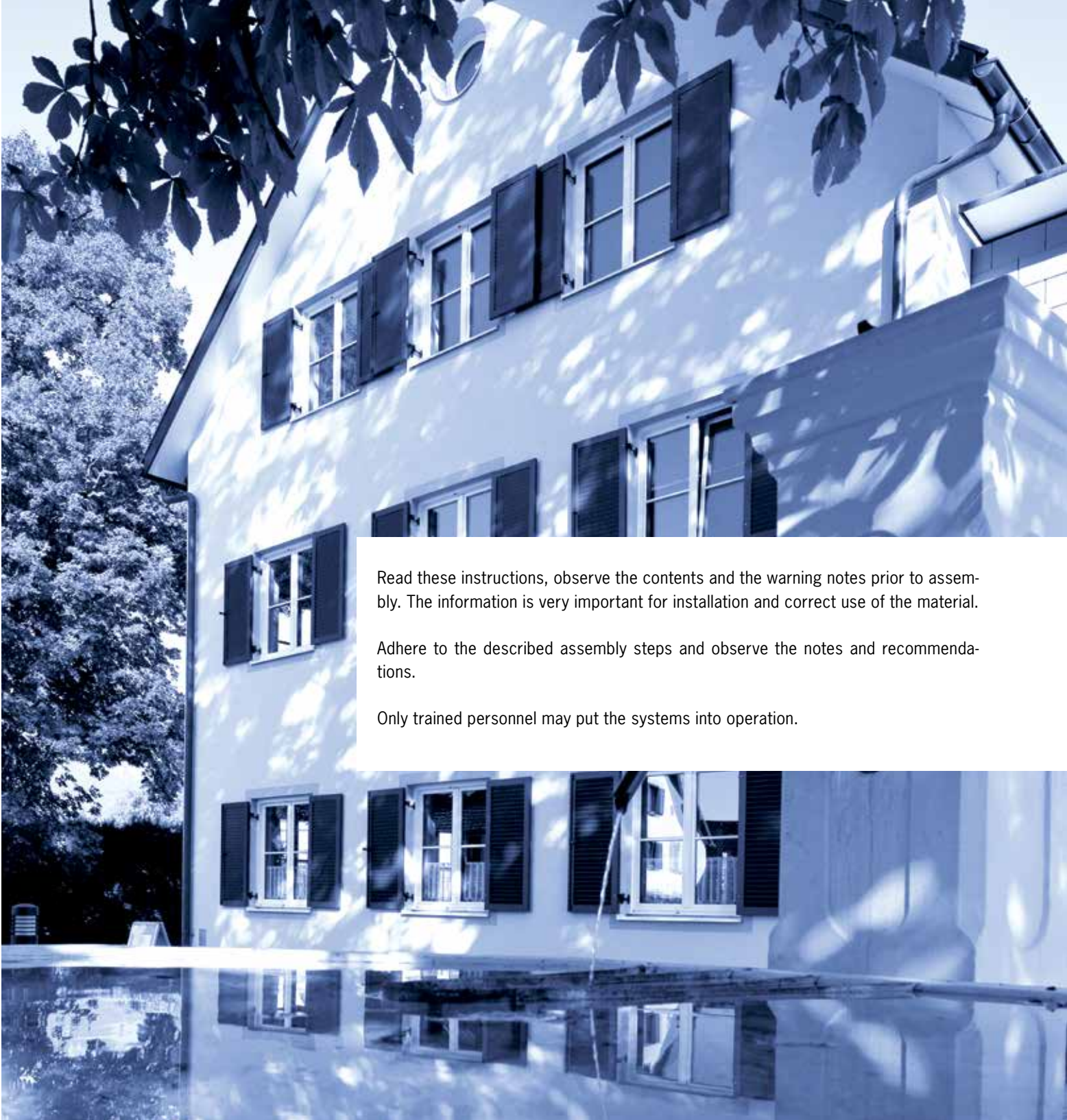


Assembly instructions

Wing shutters with installation frame



Read these instructions, observe the contents and the warning notes prior to assembly. The information is very important for installation and correct use of the material.

Adhere to the described assembly steps and observe the notes and recommendations.

Only trained personnel may put the systems into operation.

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1. Notes regarding these instructions

These instructions is meant for trained technicians with good skills in assembly technology. Only qualified technical personnel with the respective assembly experience may install window shutters

1.1 Validity of this manual

The wing shutters have been approved for export and use in Austria.

1.2 CE marking


Griesser AST GmbH hereby declare that the external window shutters conform to the basic requirements and other relevant specifications contained in the EU standards.


This is documented by the CE marking.


1.3 Used symbols


L Side, direction, design left

R Side, direction, design right


 Outside


 Movement to be carried out

 Movement, direction


 Movement, direction

2x Repeat step various times

 Manual operation

 Visual inspection

 Information

 Note

1.4 Abbreviations

hl Opening height

bl Opening width

hff Finished sash height

bff Finished sash width

2. Security

The safety and warning notes make a distinction between personal injury and damage to property. The signal word "Danger" is used to indicate the risk of personal injury, while the signal word "Caution" is used to indicate the risk of damage to property.

2.1 Safety and Warnings



Immediate danger to life and limb!



Immediate risk of product and environment!



Useful information and notes

- Observe the applicable accident prevention regulations.
- Close off a sufficient space around the assembly area.
- Check any available scaffolds and installations in terms of their safety.
- Observe the regulations applicable to dowel and fastening material.
- Always work with undamaged and suitable tools.
- Keep plastic films, packaging material as well as small parts away from children – risk of suffocation!

2.2 Intended use

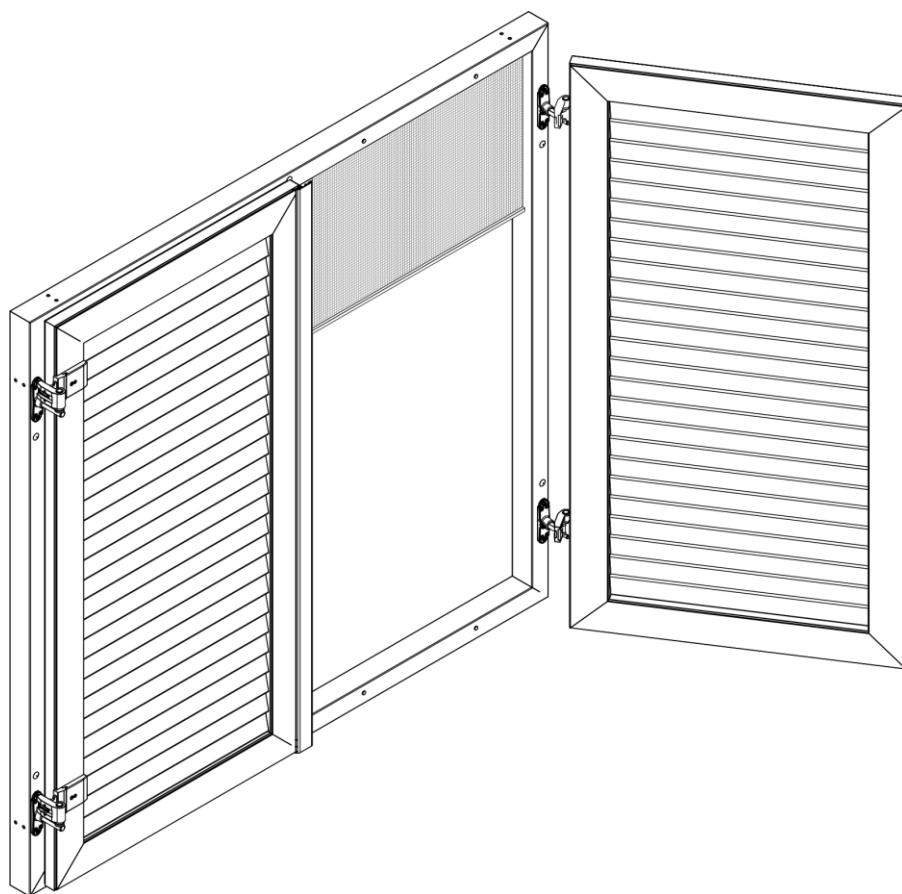
Warranty claims are forfeited if damage is due to the non-compliance with the brochure or the attached document. GRIESSER AST GmbH does not accept liability for consequential damage.

GRIESSER AST GmbH does not accept liability for damage caused by incorrect installation.

Except for the actions described in the operating manual and the assembly instructions, the product may not be altered in any way.

3. Product description

3.1 Wing shutters Installation frame (external view)



3.2 Marking



Depending on the quantity, the components for the same window shutter can be packed in several cartons.

4. Mounting

4.1 Preparation for mounting

- **Checking the installation dimensions**
The main dimensions must be checked according to the dimension sheet prior to installation.
The installation tolerances according to the Technical Datasheet must be adhered to.
- **Orientation at the installation site**
Aids (table, crane, ladder, etc.)
- **Selection of tools and mountings**
Check material
- **Distribute material (how and where)**
Dimension sheets, manufacturing notes
Assembly instructions
- **Study documents**
Installation dimension check (width x height)
Sketches, drawings



Attention

Mind assembly view

4.2 Installation tolerances

Deviations from the perpendicular +/- 2mm/m

4.3 Installation in an elevated area

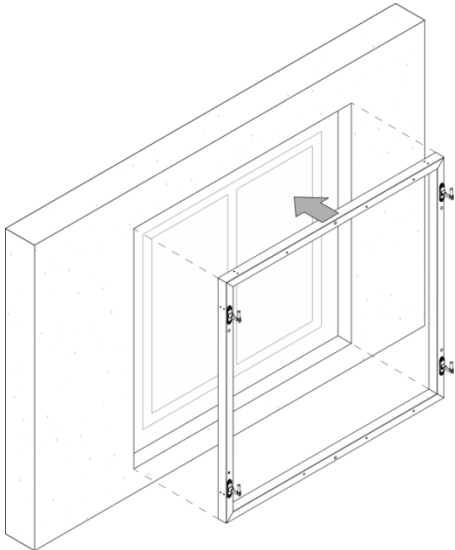
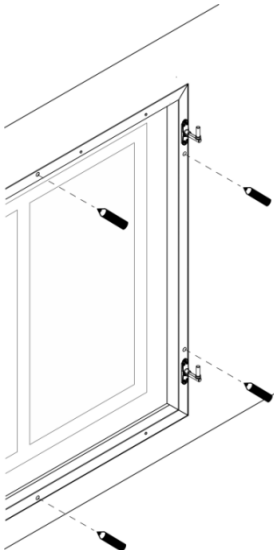
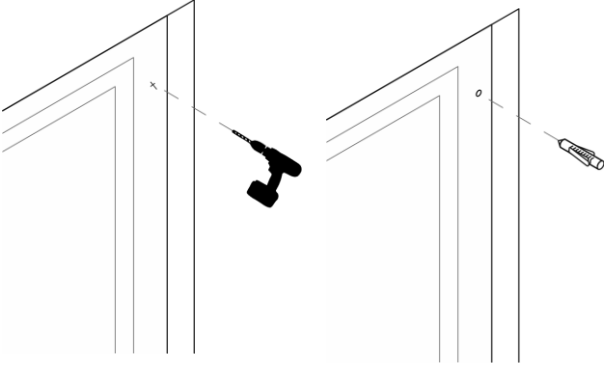
Fall protection

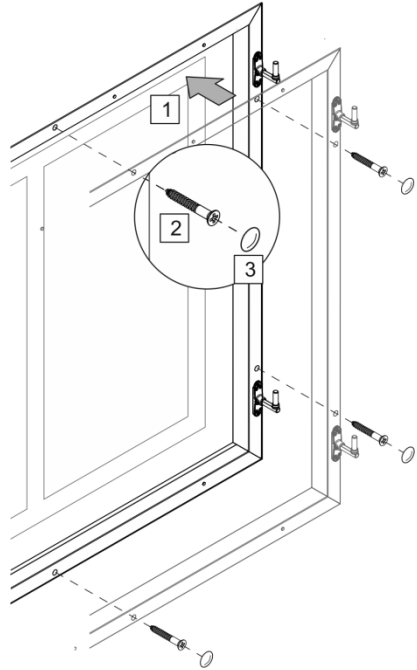
Workers run the risk of falling when working at elevated heights. Suitable anti-fall guards must be used.

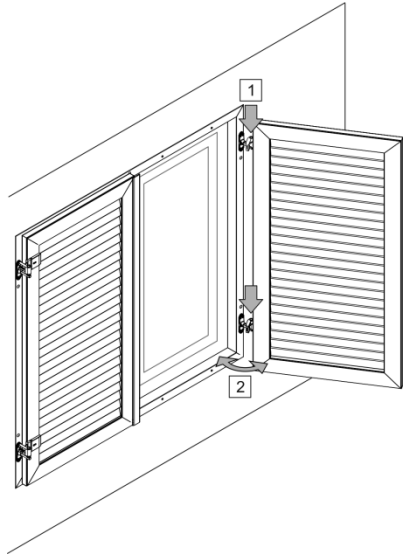
4.4 Fasteners

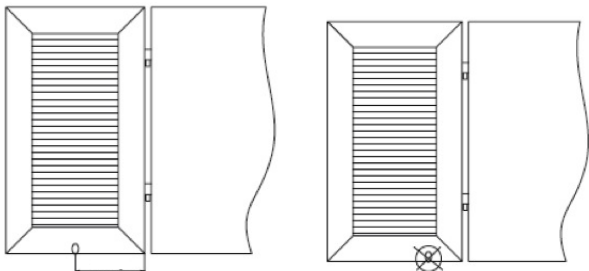
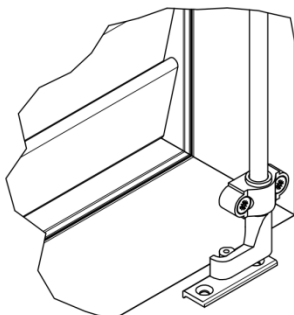

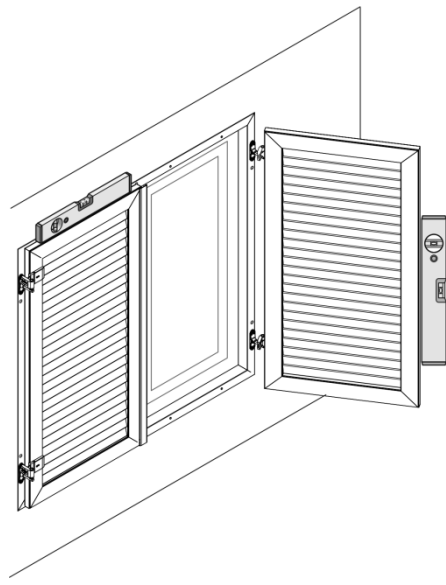
In the installed condition, the wing shutter only meets the requirements of the given wind class when

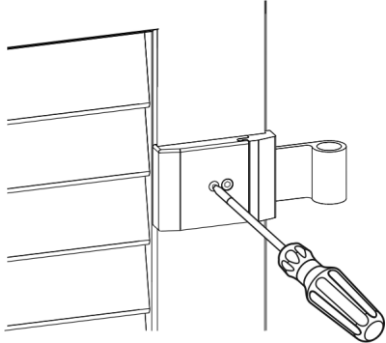
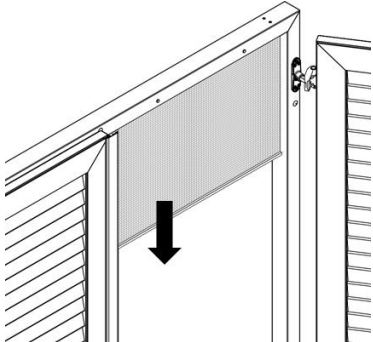
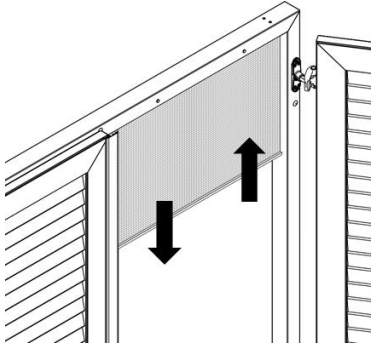
- the clamps are installed taking the anchor plug extraction force into consideration.
- the processing guidelines of the used dowel pins were observed during assembly.

| 4.5 | Montage of the installation frame (Assembly view from the outside) | |
|-----|---|--|
| 1. | Set the installation frame into the screen frame / the window soffit. |  <p>A 3D perspective diagram showing a rectangular installation frame being inserted into a larger rectangular screen frame. An arrow points from the installation frame towards the screen frame, indicating the direction of assembly. The installation frame has a smaller rectangular opening in its center.</p> |
| 2. | Draw the positions of the pre-drilled holes in the screen frame / the installation frame onto the soffit. |  <p>A 2D perspective diagram showing the installation frame placed against a vertical surface (the soffit). Dashed lines and arrows indicate the transfer of pre-drilled hole positions from the frame to the soffit. A screwdriver is shown at one of the marked points, indicating the next step in the process.</p> |
| 3. | Remove the installation frame and drill holes at the points marked. Insert fastening means |  <p>Two 2D perspective diagrams showing the final steps of the installation. The left diagram shows a power drill being used to drill a hole at a marked point 'x' on the soffit. The right diagram shows a screwdriver being used to insert a fastener into a marked point 'o' on the soffit.</p> |

| | |
|---|--|
| <p>4. Set the installation frame into the screen frame / the soffit and fix in place. Attach the cover caps.</p> |  |
|---|--|

| | |
|--|--|
| <p>4.6 Installation of the window shutters</p> | |
| <p>1. Set the window shutters in place and check that they function properly.</p> |  |

| | | |
|------------|---|--|
| 4.7 | Installation of the shutter retention elements | |
| 1. | <p>Install the shutter retention element in the middle (at least 180 mm from the band pivot axes). Select the screw-in depth so that the wings, when open, are parallel to the facade. Setting the retention element is done appropriate to the surface. (refer to 4.4 Fasteners)</p> |  |
| 4.8 | Installation with the rod lock at the bottom (3-sided frame) | |
| 1. | <p>Mount the locking pin plate at the bottom. Check the functioning of the lock.</p> |  |
| |  Attention | Observe the dimensions! |
| 4.9 | Functional check | |
| 1. | <p>Check that the wings are parallel and at the same level and correct as necessary.</p> |  |

| | | |
|----|---|---|
| 2. | <p>Correct the band position as necessary, adjust using the set screw.</p> |  |
| 3. | <p>Pull the insect screen roller blind down and then release it.</p> <p>The roller blind must come to a stop.</p> |  |
| 4. | <p>Pull down the insect screen roller blind once again and push it upwards.</p> <p>The roller blind moves to the top.</p> |  |

| | | | |
|-----|--|-------------------------------------|--|
| 5. | Troubleshooting table | | |
| 5.1 | Trouble-shooting | | |
| | Fault | Cause | Correction |
| | Poor closing of the window roller shutters | Bands not, or incorrectly, adjusted | Correct the band position |
| | Window roller shutters rattle | frame seal is missing / faulty | Check fastener Insert or replace seal |

| | |
|----|---|
| 6. | Disposal |
| | Wing shutters must be disposed of in an environmentally friendly manner at the end of the product's service life! |



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