TILT & TURN

OPERABLE WINDOW

SERIES 575

INSTALLATION INSTRUCTIONS

awake

WINDOW & DOOR CO.

575 SERIES NAME

500k returning citizens, 75% unemployed?

The series number 575 represents the more than 500,000 returning citizens released every year, and the staggering reality that approximately 75% of them are unemployed one year after release. This product name is a constant reminder of why Awake exists to change those outcomes. Every 575 Tilt & Turn produced is symbolic of second chances, and the belief that meaningful work, dignity, and purpose are part of the foundation of what we build, not just in the homes our windows go into, but in the lives of the people who help build them.

TILT & TURN OPERABLE WINDOW

The Series 575 Tilt & Turn is a refined blend of European engineering and Awake's minimalist design philosophy. Featuring dual functionality in a sleek frame, the 575 functions as an inward-tilting vent for gentle airflow, a full-swing casement for maximum access, or simply as a modern awning. With options for triple-pane glazing, narrow sightlines, and exceptional thermal performance, it delivers unmatched versatility for modern living. Ideal for demanding luxury residential projects, the Series 575 elevates comfort, performance, and style, proving that form and function can truly open in perfect harmony.

SCOPE & PURPOSE OF THE INSTRUCTIONS

The following instructions are intended for use by trained and experienced fenestration installers familiar with applicable building codes and industry practices. The installer is responsible for evaluating specific project conditions and determining the suitability for the specific application, including verifying that rough openings, structural supports, flashing conditions, and surrounding substrates are suitable for installation prior to commencing work.

The instructions are intended to provide general installation guidance but do not supersede applicable building laws. The installer is responsible for complying with all applicable laws, regulations, building codes, and industry standards, including manufacturer instructions and limitations applicable to all ancillary products used in connection with installation, including, without limitation:

- Applicable versions of the International Building Code (IBC);
- International Residential Code (IRC);
- ASTM standards;

- AAMA/FGIA installation guidelines;
- Standards related to flashing, weather resistive barriers, shims, anchors, insulation, and waterproofing products; and
- Manufacturer instructions for ancillary products including without limitation, sealant, fastening, and waterproofing systems.

Installer is also responsible for verifying compatibility between Awake Window & Door's products and all materials and installation components utilized, including without limitation, sealants, adhesives, flashing tapes, coatings, preservatives, fasteners, and dissimilar materials.

Installation must maintain proper drainage and moisture management pathways. Weep systems and drainage channels must not be obstructed.

In the event of a conflict between these instructions and applicable law, code, or project-specific engineering requirements, the more stringent requirement shall govern.

Failure to install applicable Awake Wind & Door Company products in accordance with these instructions, applicable building codes and regulations, and the manufacturer's instructions for all ancillary materials and components (including, without limitation, sealants, flashing, fasteners, and weatherproofing products) may result in water, air, dust, debris, or pest infiltration; structural damage; operational deficiencies; property damage; and other adverse conditions. Any deviation from such requirements may void or limit the manufacturer's warranty and may adversely affect the performance and service life of the product.

INSPECTION, STORAGE AND HANDLING

Upon delivery of your Awake Window & Door Company products, confirm that there is no damage that will affect the appearance or performance of the installed product. The components required and supplied within the hardware box kits will vary depending on the configuration you are installing. Inspect the product and hardware components to become familiar with them.

Damaged and/or missing parts should be reported to your supplier immediately. If screens are included, they will be packaged separately and are to be installed after the product is finished to avoid damaging the screens.

DO NOT INSTALL PRODUCTS THAT ARE DAMAGED, MISSING PARTS OR HAVE OTHER DISCREPENCIES.

This product must be protected before, during and after installation to prevent damage to the frame finish, hardware, and/or glass.

Awake Window and Door manufactured products are to be kept in the manufacturers packaging and stored in a dry location protected from the elements until ready for installation. If packaging becomes wet, remove, and immediately replace with dry packaging or covering to prevent damage to the product.

The product shall not be dragged off any delivery truck or dropped on the floor during storage. Products should only be lifted/moved with glass cups attached directly to the glass and should not be lifted or dragged by the frame, which can cause damage. Damage caused by improper handling and/or storage is not covered by Awake Window & Door's limited warranty.

LIMITATION ON MODIFICATIONS

Unauthorized field modifications, including cutting, drilling, or other modifications not expressly authorized by these instructions are prohibited and may cause air, water, dust, debris, and/or pest infiltration, structural or operational issues, and will void Awake Window & Door's limited warranty.

Any deviation from these installation instructions require written approval by Awake Window & Doors. Improper installation or use of incompatible materials may void Awake's limited warranty.

PREPARATION

Always dispose or recycle any removed window materials properly. For more information, check with your local recycling agency, the U.S. Environmental Protection Agency ("EPA"), or Build Reuse to locate a nearby company or organization that accepts used windows and doors.

CAUTION: Many homes built before 1978 may have been painted with lead-based paint. Removal of old windows may disturb this paint. Proper precautions must be taken to minimize exposure to dust and debris. Consult state or local authorities and/or the EPA for more information.

Verify that the window is manufactured to the correct size, configuration and correct unit numbers were produced. Inspect and verify the rough opening for the product which you are installing is plumb, level, and approximately 1/2" bigger in width and height than the net frame size.

If your installation requires that units be mulled together, see mull installation instructions below.

You may need to supply

- Moisture resistant shims/spacers.
- Flashing membrane and compatible sealant.
- Fasteners
  - #10 x 2" PH Flat Head screws (install application)
- Closed cell foam backer rod/sealant backer

Tools required for Installation

- Tape Measure
- Levels of various sizes
- Laser level (if needed)
- Plumb bob
- Utility Knife
- Sealant Gun
- Screw gun with
  - #2 Phillips Driver bit
  - #2 Square Drive
- Pry bar
- 5 in 1 Putty knife
- Dead-blow rubber mallet
- Quick Clamps
- Suction Glass Cups
- Drill with
  - 3/16", #21 drill bit
  - #10 Countersink bit

Note: Other construction materials may be required. Read the following instructions carefully and inspect the wall conditions before you begin.



WEATHERPROOFING

Rough openings must be protected with waterproofing in accordance with AAMA 2400 Installation Methods using the flashing and sealant manufacturer instructions and must meet local building codes.

NAIL FIN INSTALLATION

1. Apply a 1/2" continuous bead of sealant to the interior face of nail-fin full perimeter.
2. Set window into the flashed opening ensuring that the nail-fin makes full contact with the opening.
3. Check that the unit is plum, level and square in the opening and shim as needed.
4. Anchor the window nail-fin to the structure with #10 x 2" screws every 12" on center, 4" from each end max. (See Figure 1).

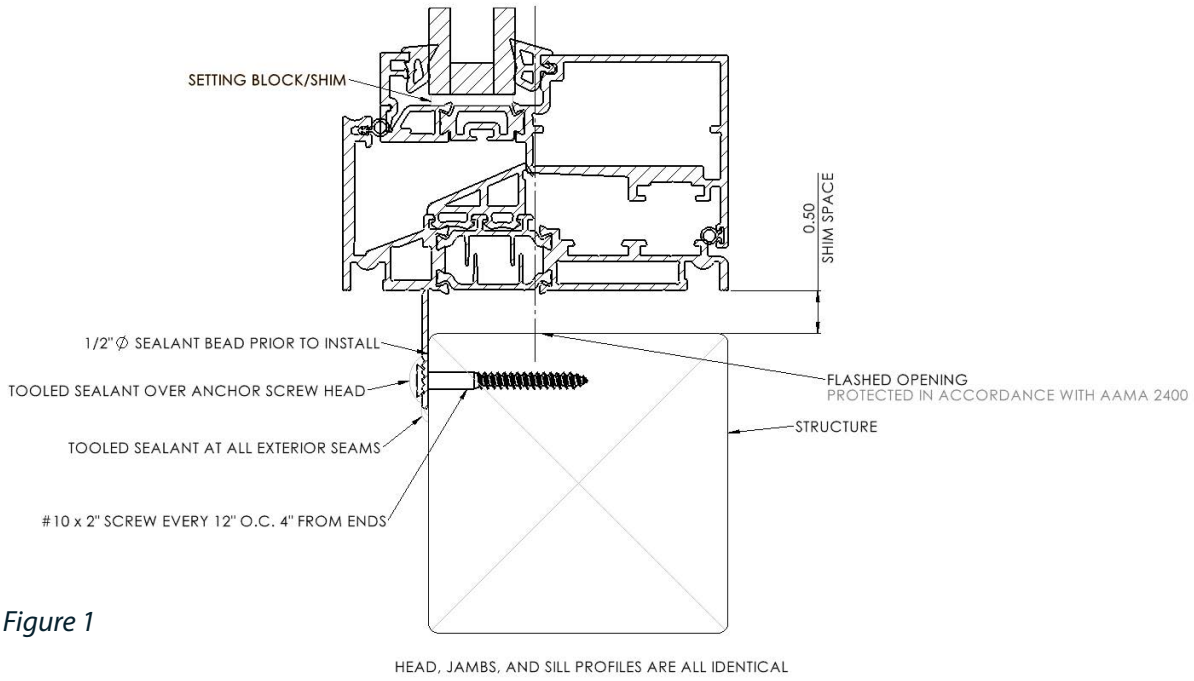


Figure 1

5. Inspect frame for final plumb, level and square. Ensure the window is not racked, operates smoothly and locks with little effort.
6. Ensure that all nail-fin joints are sealed as well as the head of every screw that penetrated the nail-fin.
7. Apply approved flashing membrane in accordance with sheathing or house wrap manufacturer's specifications. First, apply membrane to both side nail-fins. Extend flashing beyond sill flashing and above the top of nail-fin. Next, apply flashing along top nail-fin. Extend top flashing beyond each side flashing by minimum of 2".
8. Installation is complete

BLOCK FRAME INSTALLATION

1. If installing a standalone unit, proceed with Step 3 of the Block Frame Instructions.
2. If you are installing a mulled unit, proceed to mulling instructions below.
3. Unlock and open the vent sash to its max opening position. Through each jamb and head of the frame, drill a 3/16" diameter installation hole 6" from each end and every 16" on center thereafter. (See Figure 2).

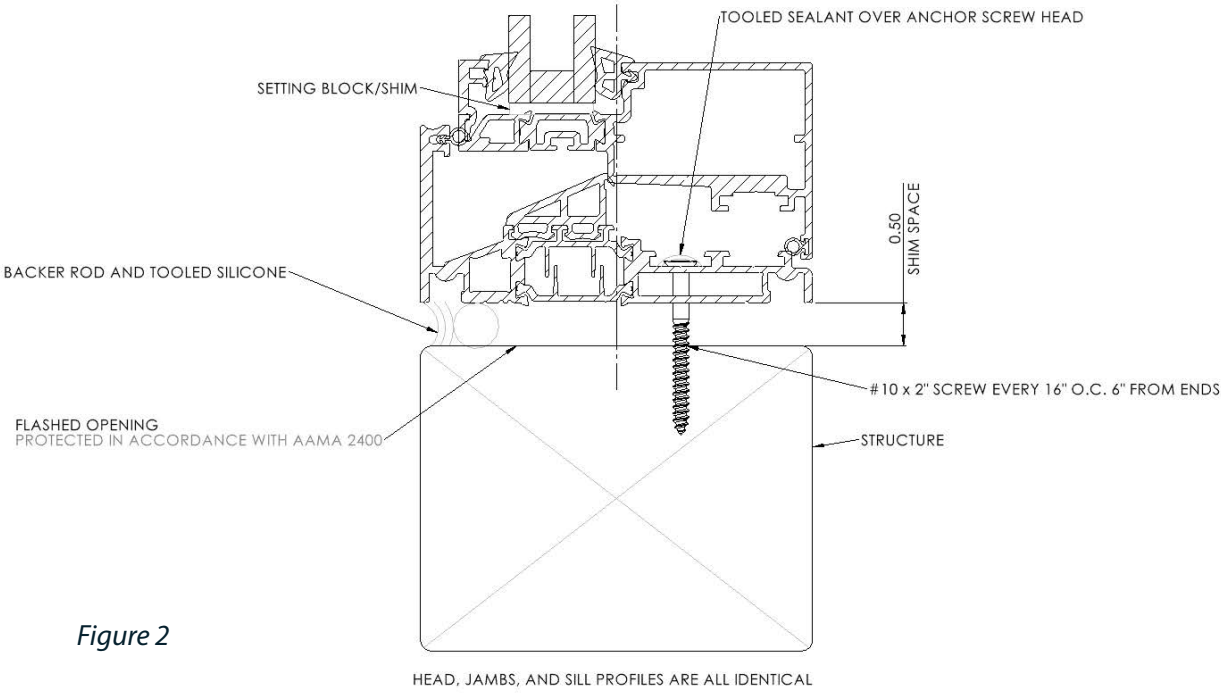


Figure 2

4. Countersink the installation holes to accommodate a #10 Flat Head screw.
5. Close and lock the vent sash, lift unit into the opening and secure in place with shims as needed.
6. Continue to block the frame with shims as needed and verify the window is plumb level and square in the opening. Shim to secure the window in place for final anchoring with screws.
7. Unlock and open the vent sash and pump sealant into the installation holes through the frame.
8. Begin to secure the frame with #10 x 2" Ph Flat Head screws taking care not to shift the frame while anchoring.
9. Inspect frame for final plumb, level and square and trim excess material off shims used.
10. Apply appropriately sized closed cell backer-rod to fill window to framing gap. Ensure backerrod is set to correct depth to allow for a 2/3 depth to width ratio for proper perimeter caulking adhesion.

11. Apply sealant at frame perimeter to waterproofing gap and tool to ensure no voids and continuous bead of sealant is applied.
12. As one final check, open and close the vent sash to verify proper operation and function of locking mechanism.
13. Installation is complete.

MULL INSTALLATION

Follow these instructions to install two or more windows requiring to be field mulled.

Things To Know Before You Start:

- Drip caps must be used at the head for all vertical mulled units using a nail-fin.
- Make sure to order your drip caps for all your mulled window units. (These ship loose)
- Mull clips will come shipped loose, take care to not damage these clips prior or during installation.
- Prior to mulling ensure all mechanical fasteners are not protruding, if some are still proud carefully file fastener head till flush. This will help ensure a even reveal when mulled correctly.
- Once the mulling process is complete and the structural sealant has cured reversing this process is difficult. Be sure to read, follow and understand all mull instructions prior to snapping, gluing, screwing or assembling mulled units.

Nail-fin Mull Application Instructions

1. Apply a 1/8" diameter bead of Dow 795 sealant or equivalent sealant in each mull clip grove. (See Figure 3).

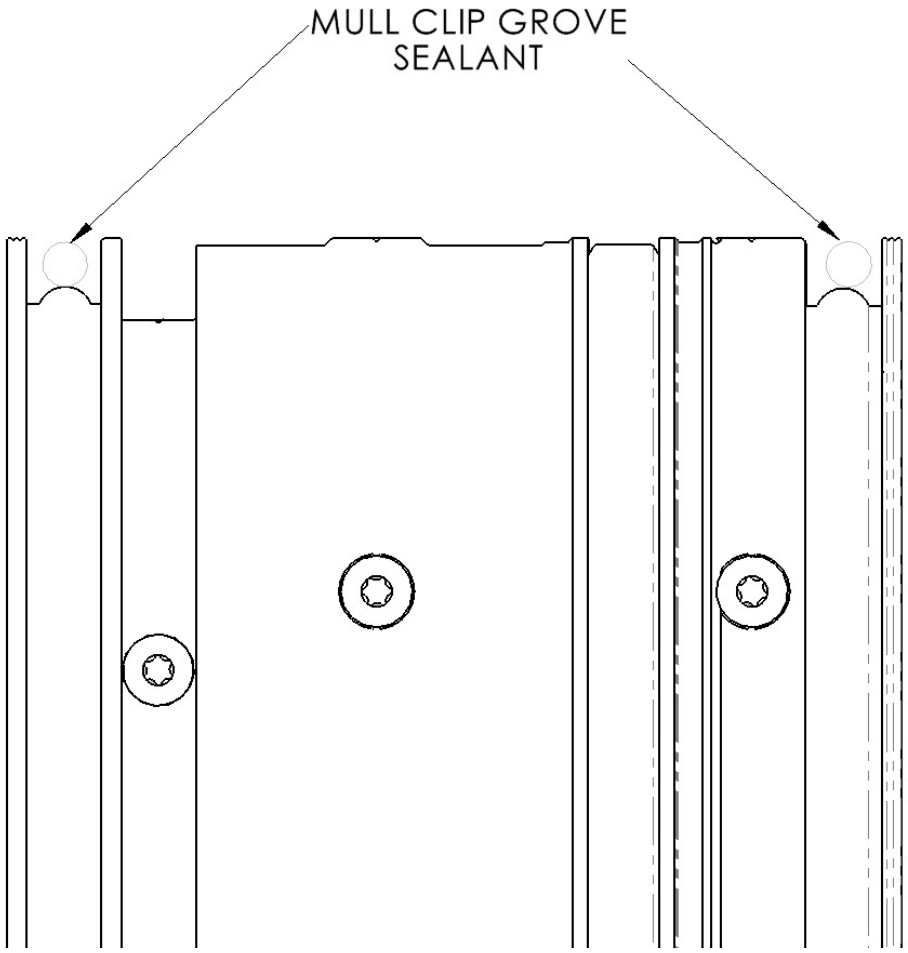


Figure 3

2. Begin to join the two (2) window units together until the frame members come into contact and the mull clip is no longer visible.
3. Verify that the reveal is even from top to bottom. If necessary, use quick clamps with tips protected, and squeeze the units together for an even reveal.
4. With the two windows now mulled and, in the opening, shim the frame jambs at the head and sill interface to push and hold the two (2) units together. Note: Take care to not over shim causing the horizontal members to buckle or bow causing an uneven reveal on the window.

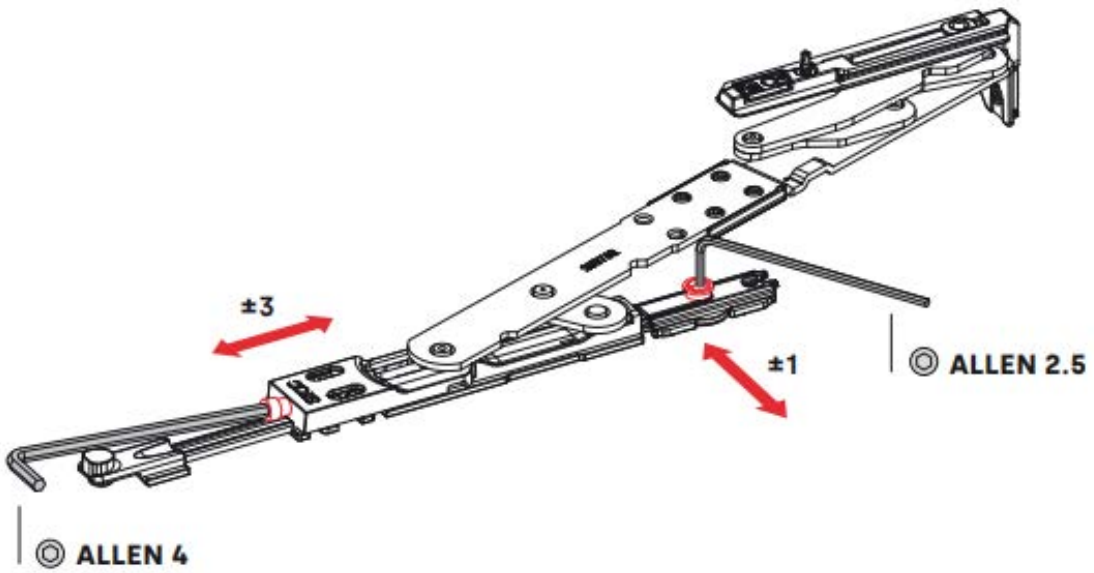
5. Seal and fill the seam at the vertical mull on the exterior face of nail-fin. Tool and smooth out the sealant ensuring the joint is free of voids.
6. Apply a continuous 1/2" diameter bead of sealant across the entire nail fin, from one edge of the frame to the opposite edge.
7. Place drip cap onto the face of the nail-fin and secure to structure with #10 x 2" screws every 12" on center. To avoid any damage or distortion, do not anchor the nail-fin within 3" from any corner.
8. Seal the ends of the drip cap to frame joint to avoid water intrusion at each end.
9. Proceed with final waterproofing membrane applied over the drip cap and nail-fin.
10. The installation of the mulled windows is complete.

Block Frame Mull Application Instructions

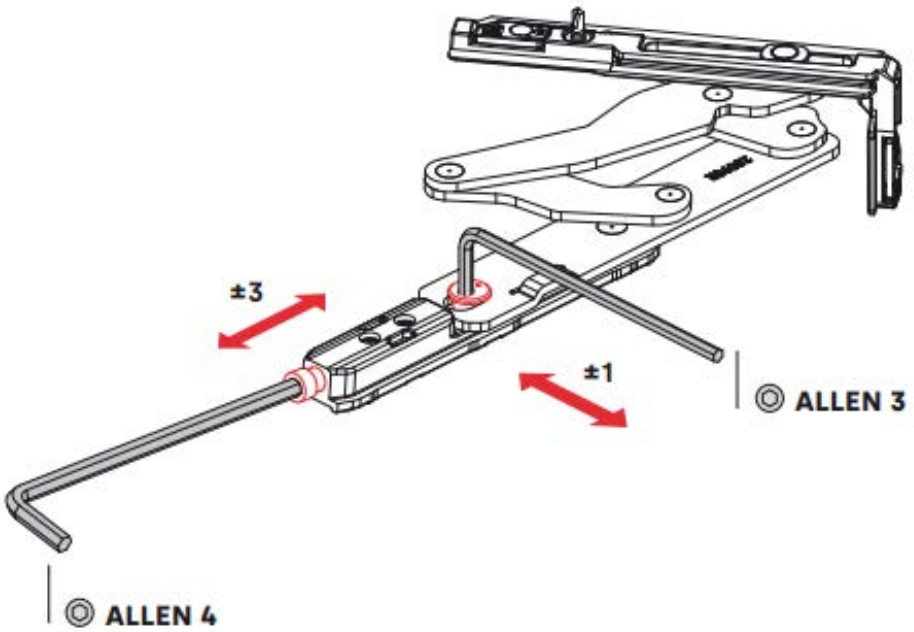
1. Unlock and open the vent sash to its max opening position. Through each jamb and head of the frame, drill a 3/16" dia. installation hole 6" from each end and every 16" on center thereafter.
2. Countersink the installation holes to accommodate a #10 Flat Head screw.
3. Fill the female mull pocket with 100% silicone.
4. Begin to join the two (2) window units together until the frame members come into contact and the mull bar is no longer visible.
5. Verify that the reveal is even from top to bottom. If necessary, use quick clamps with tips protected, and squeeze the units together for an even reveal.
6. With the two windows mulled together and positioned in the opening, shim the frame jambs at the head and sill interfaces to push and hold the two (2) units securely together. Note: Take care to not over shim causing the horizontal members to buckle or bow causing an uneven reveal on the window.
7. Continue to block the frame with shims as needed and verify the window is plumb level and square in the opening. If needed, Hard shim to secure the window in place for final anchoring with screws.
8. Unlock and open the vent sash and pump sealant into the installation holes through the frame.
9. Begin to secure the frame with #10 x 2" Ph Flat Head screws taking care not to shift the frame while anchoring.
10. Inspect frame for final plumb, level and square and trim excess material off shims used.
11. Apply appropriately sized closed cell backer-rod to fill window to framing gap. Ensure backer rod is set to correct depth to allow for a 2/3 depth to width ratio for proper perimeter caulking adhesion.
12. Apply sealant at frame perimeter to waterproofing gap and tool to ensure no voids and continuous bead of sealant is applied.
13. As one final check, open and close the vent sash to verify proper operation and function of locking mechanism.
14. Installation is complete.

Post installation adjustments section

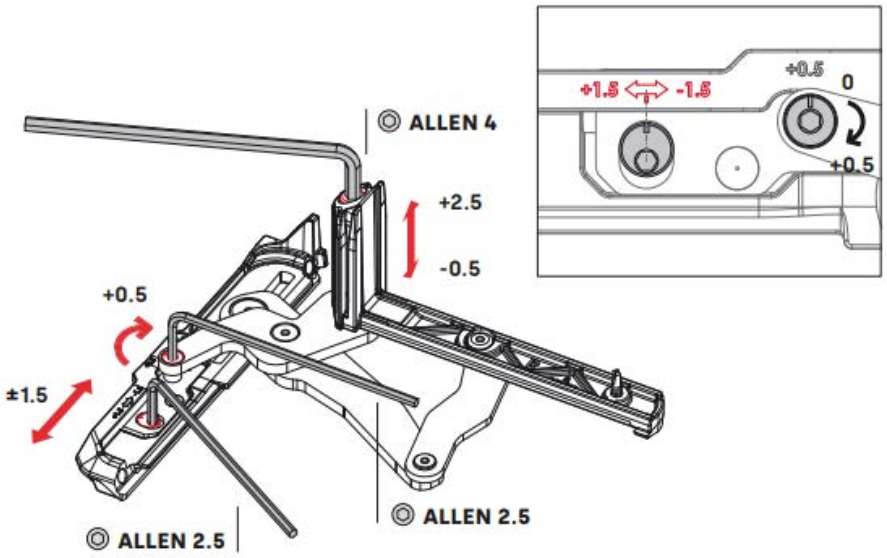
Active Sash Upper Hinge:



Passive Sash Upper Hinge:



Lower Hinge:



TESTING

No field testing or studies are permitted on Awake's products unless they are performed in strict compliance with the Fenestration and Glazing Industry Alliance (FGIA) Voluntary Specification for Field Testing of Newly Installed Fenestration Products, AAMA 502 and strictly comply with Awake's Testing Requirements and Conditions, available at www.awakedc.com/install-instructions). Failure to strict comply with the foregoing testing requirements will void Awake's 10-Year Limited Warranty.

GET IN TOUCH

435 E GERMANN RD SUITE 104
GILBERT, AZ 85297

www.awakewdc.com
(833) 292-5393