

Installation Guide



WINDOORFULL IMPORTS

INSTALLATION MANUAL



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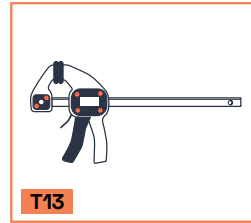
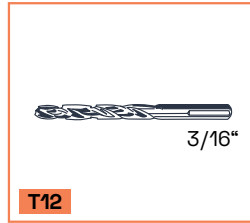
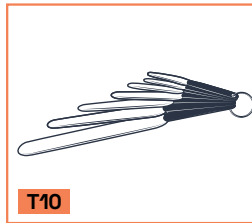
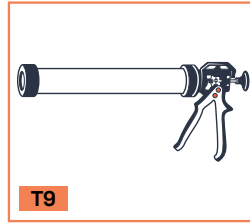
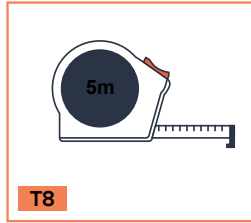
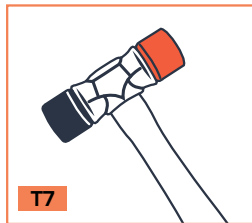
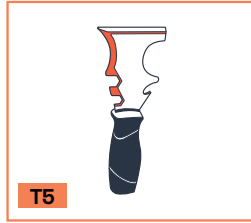
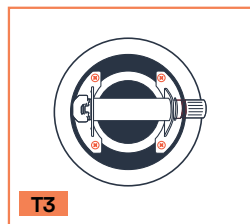
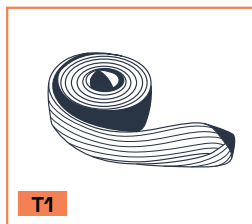
- 2. General
- 3. Prep
- 5. Install
- 7. Caulking
- 12. Connection Instructions
- 15. Maintenance
- 16. Door hinge adjustment
- 20. Window hinge adjustment

WINDOORFULL IMPORTS



GENERAL

Tools Needed (not included)



TOOLS

- T1 Straps
- T2 A Cart
- T3 Suction Cups
- T4 Impact Driver
- T5 Painters Tool
- T6 Level
- T7 Rubber Mallet
- T8 Measuring Tape
- T9 Caulking Gun
- T10 Slicker
- T11 Drill
- T12 Drill Bit
- T13 Clamps



- This document should not be considered shop drawings, if the project has shop drawings refer to the shop drawings.
- These instructions are meant for window professional only.

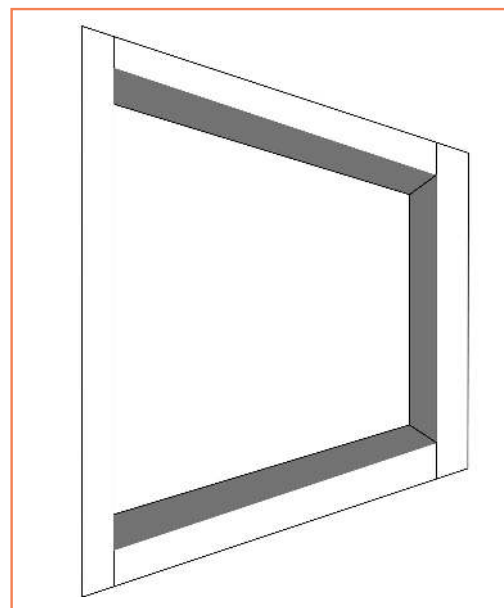
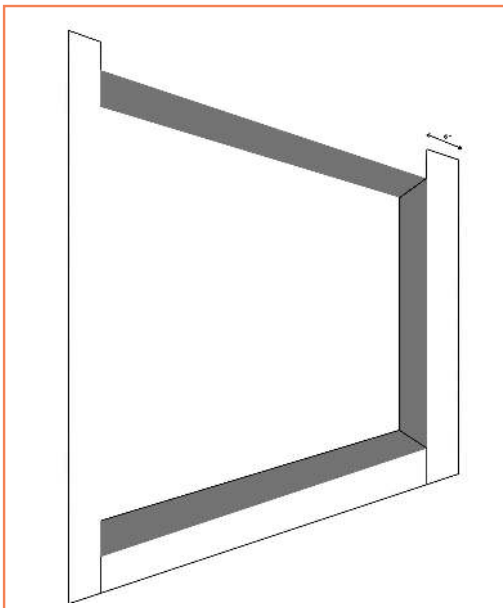
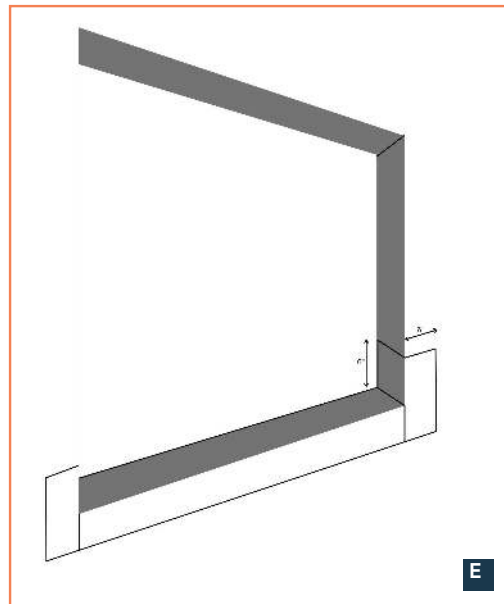
STEP 1

Prep

OPENINGS

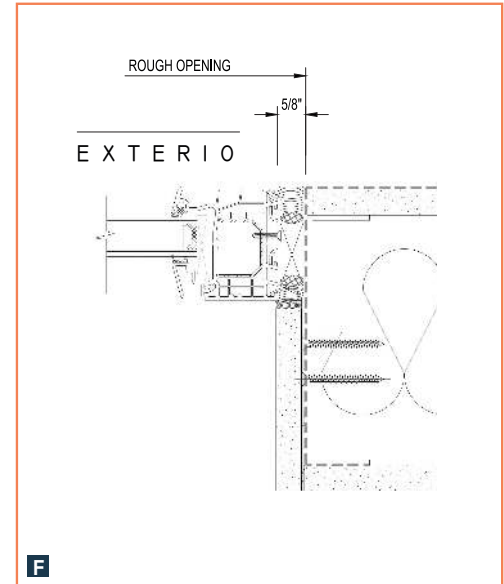
Flashing

1. Apply flashing at the sill, Extending up the sides 6" **E**
2. Add flashing on the sides, overlapping the 6 inches of the sides
3. Add flashing to the top of the opening and overlap the sides about 6"



New Construction

1. Openings should be waterproofed and ready prior to installation. **E**
2. Waterproofing need to pass the interior part of the window so the windows can be caulked properly.
3. Openings should be constructed with RO 1 1/4" larger than the unit size 5/8" on each side, per shop drawings. **F**



Replacements

1. Measure the opening
2. Remove old sashes
3. Remove old window frame from opening
4. Clean opening from any debris and old material
5. Dispose of material to proper places
6. Patch any imperfections in the surrounding opening
7. Apply flashing around the opening, starting from the bottom, then sides, then the top.
8. Install window into the opening
9. Shim window properly on all sides
10. Caulk around the exterior of the window for proper seal
11. Fill in the interior gap with caulk or sprayfoam

Note: Premises built before 1978 might have lead paint, contact a professional for help

STEP 2

Install

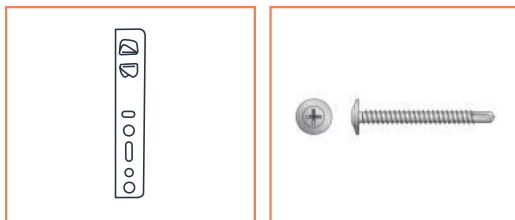
Strap Anchor Installation

TOOLS NEEDED

- T4** Impact driver
- T5** Painter's tool (5 in 1)
- T6** Level
- T7** Rubber mallet
- T8** Measuring tape

MATERIAL NEEDED

- Strap Anchors – provided
- 1 1/4" Zinc Self tapping screws modified truss screws (Clips to window)
- 1 1/4" Zinc Self tapping screws modified truss screws (Clips to metal framing)
- Plastic shims varying sizes 1/16" – 1/4"



STRAP ANCHORS

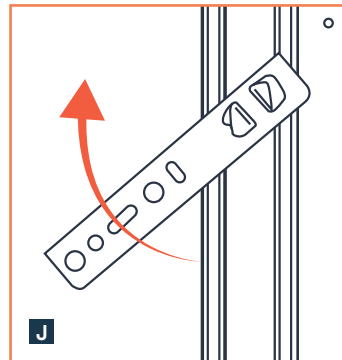
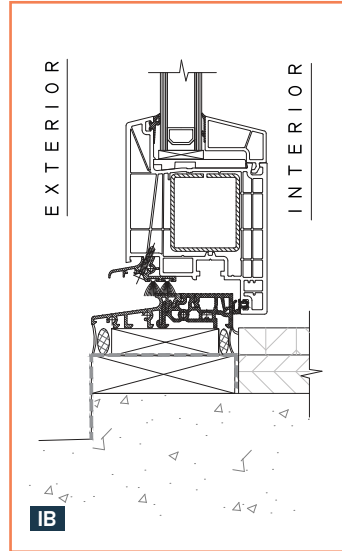
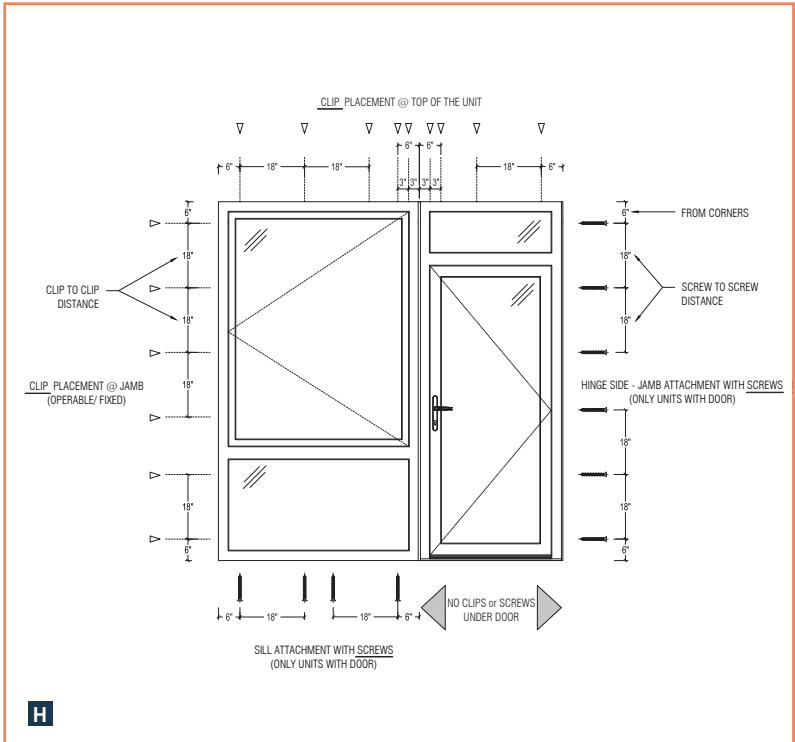
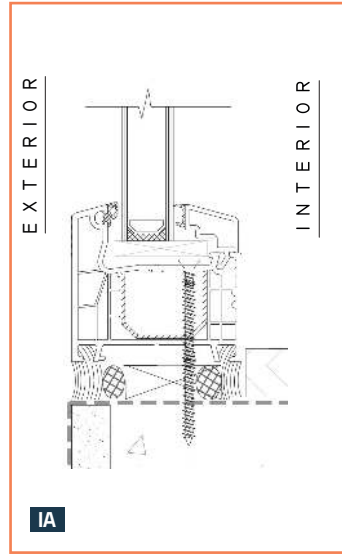
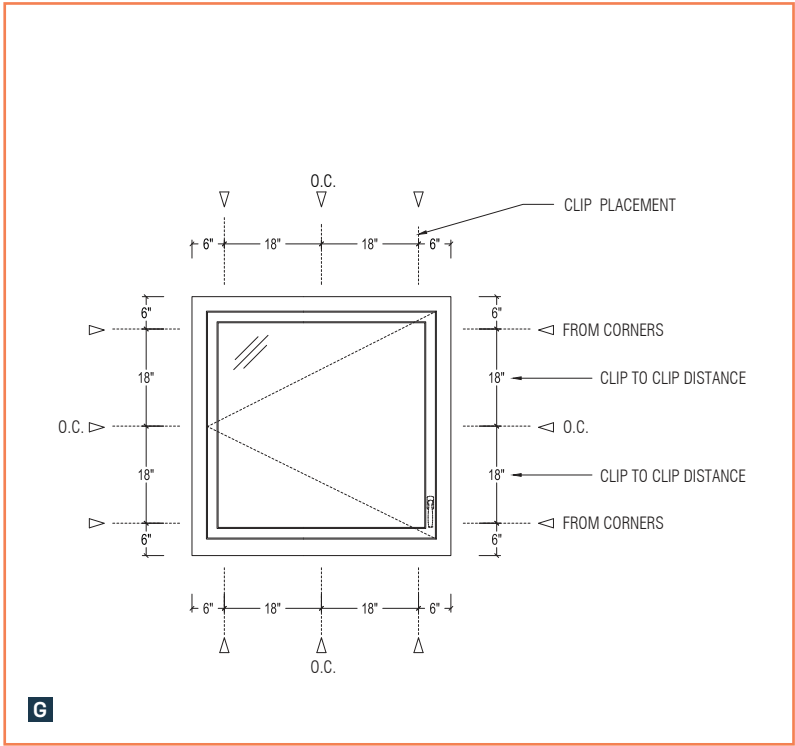
1. Strap anchors are included.
2. Strap anchors are to be installed 6" from all corners, 3" and 6" from the mullions, and every 18" in between. **G**
3. At doors, use screws directly through the hinge side, no screws or clips should be used on the door sill. **H I**
4. Put clip in the slot parallel with the frame, and twist until horizontal. **J**
5. Use 1 1/4" Screws to fasten the clips to the frame.

SHIMMING

1. Use plastic shims under the clips.

INSTALL

1. Windows need to be level square and plumb.
2. Head heights should align.
3. Windows should align floor to floor.
4. Align exterior of window with the exterior board on the exterior of the framing or cmu.
5. Note: make sure glazing beads are facing the inside (windows are only inswing)
6. Make sure to remove the plastic shipping profile from underneath the windows



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STEP 3

Caulking

TOOLS NEEDED

T9 Caulking gun

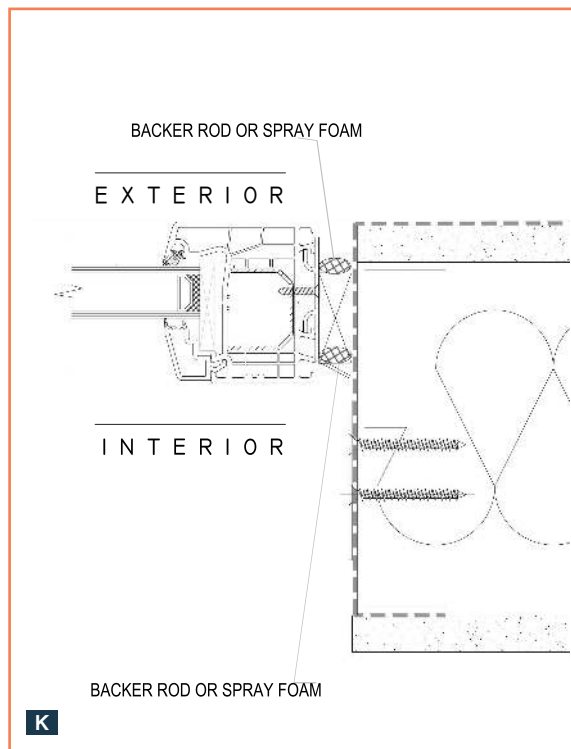
T10 Slicker

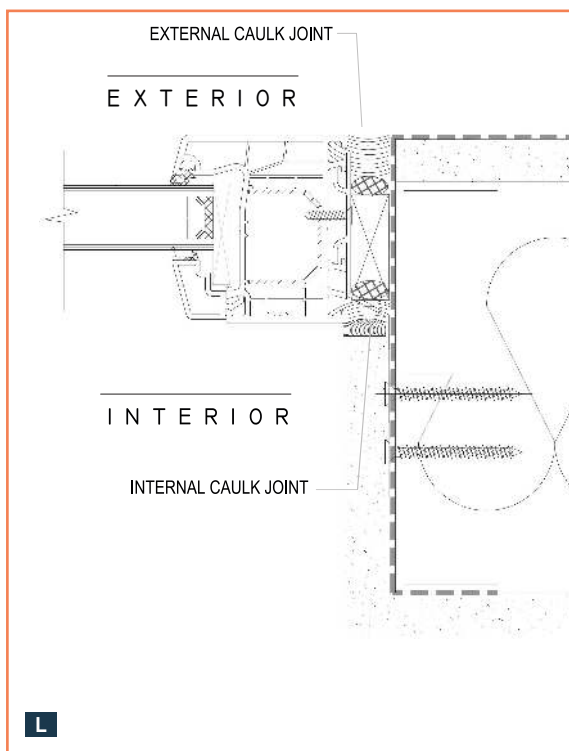
MATERIAL NEEDED

- Caulk (Tremco Spectrem 2 or equivalent)
- Backer Rod or Spray Foam
- Paper towel or cloth
- Painters Tape (for cleaner lines)

BACKER ROD

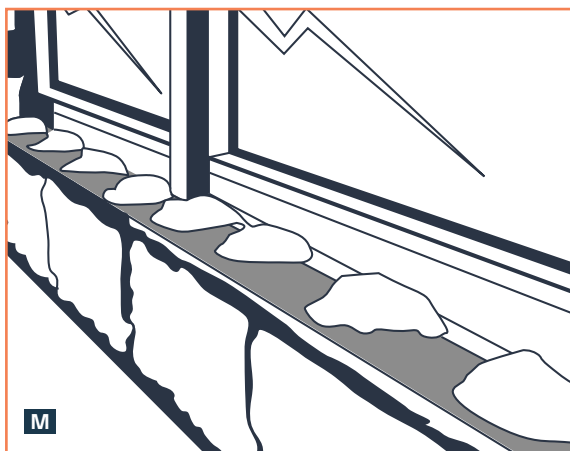
1. Put backer rod or spray foam along the rough opening space.
K
2. If using backer rod make sure it is fairly tight so it doesn't get pushed in easily (3/4 recommended).





CAULKING

1. For a clean look, place painter tape on edge of window and edge of the opening. **L**
2. Use caulking gun with nozzle to seal the window to the opening. **L**
3. Use spatula to flatten the caulk joint and make sure it seals properly.
4. Use paper towel or cloth to take off excess caulk.
5. Inspect joint to make sure there are no holes.
6. On the interior make sure to seal the clips and shims as well. **M**



Install

Nail Fin Installation

TOOLS NEEDED

- T4** Impact driver
- T5** Painter's tool (5 in 1)
- T6** Level
- T7** Rubber mallet
- T8** Measuring tape

MATERIAL NEEDED

- 1 1/2" Zinc Self tapping screws modified truss screws (nail fin to metal framing)
- Plastic shims varying sizes 1/16" - 1/4"

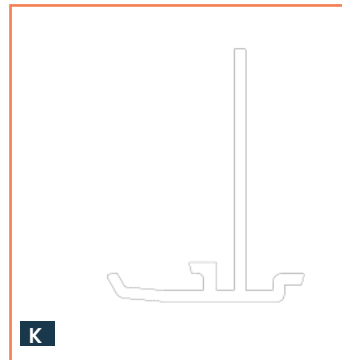
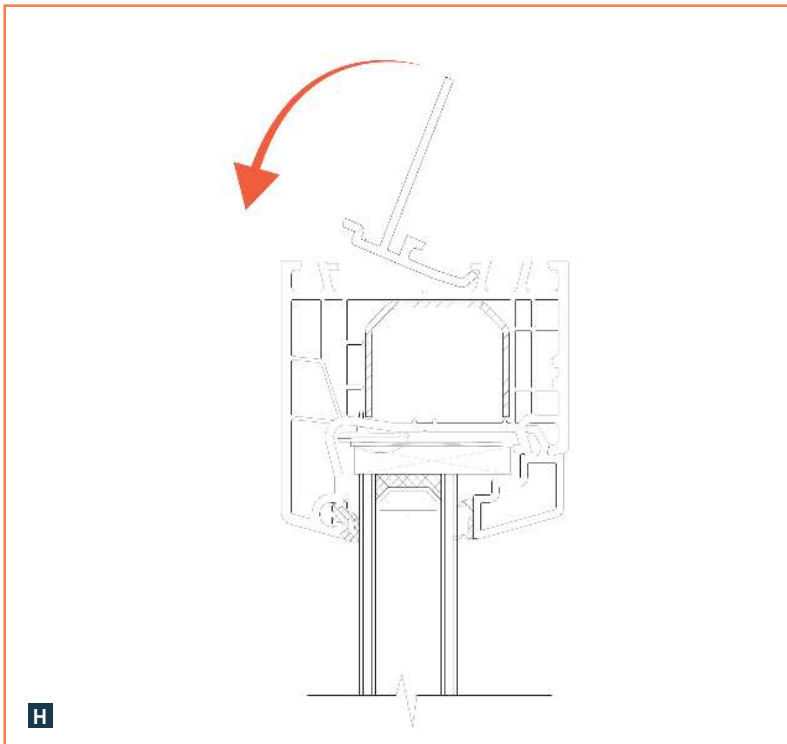
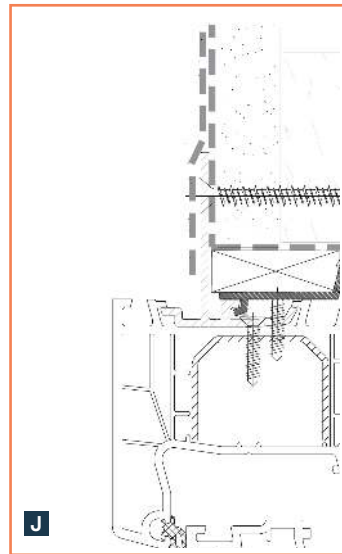
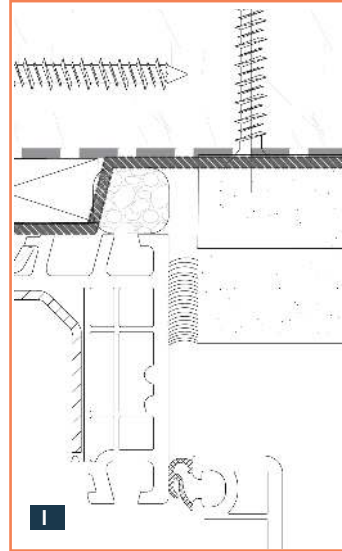
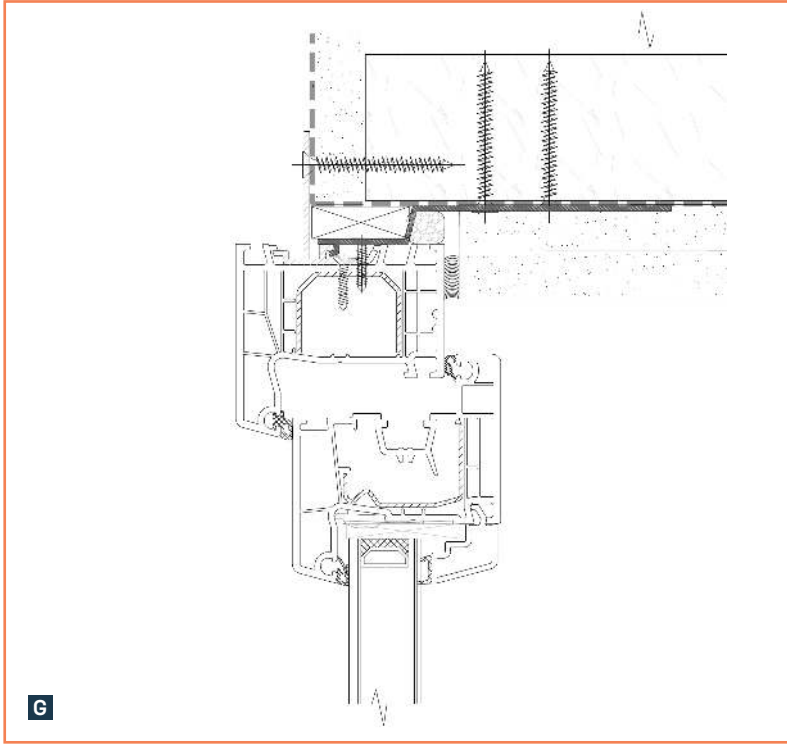


SHIMMING

1. Use plastic shims under the clips.

INSTALL

1. Put window on an angle, slide out and pull window in so the nail fin becomes flush on the exterior of the wall
2. Windows need to be level square and plumb.
3. Head heights should align.
4. Windows should align floor to floor.
5. From the exterior, screw nail fin to the exterior of the wall using the 1 1/2" screws **G**
6. Cover nail fin with tape **J**
7. Add Spray foam on the interior in the gap between the window and the opening **I**
8. For mulled units, snap nail fin in place before installing the window **H**
9. Note: make sure glazing beads are facing the inside (windows are only inswing)
10. Make sure to remove the plastic shipping profile from underneath the windows



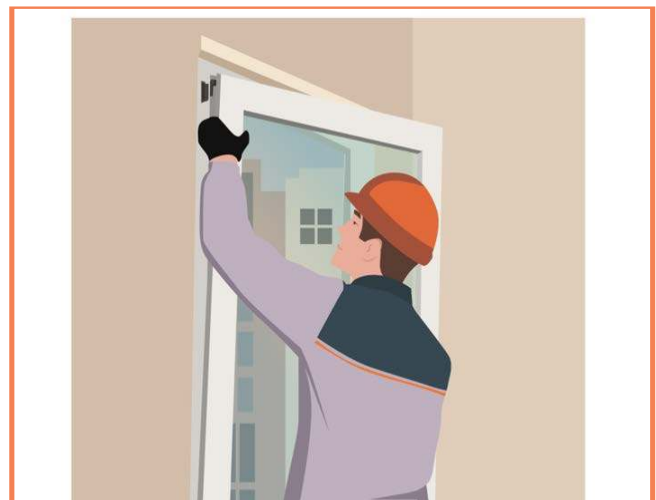
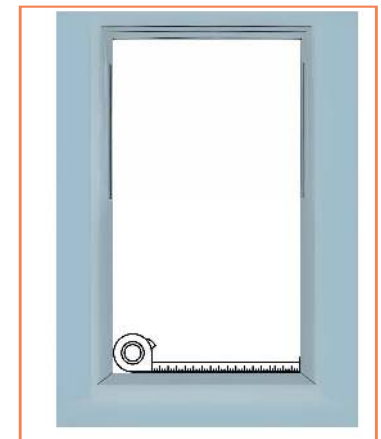
Install

Pocket Installation

TOOLS NEEDED

- T4** Impact driver
- T5** Painter's tool (5 in 1)
- T6** Level
- T7** Rubber mallet
- T8** Measuring tape

1. Score paint on the interior stops
2. Use pry bar to remove interior stops
3. Cut balance cords (if present) and let the weights slide down,
4. Remove window sashes
5. Remove cord pulleys (if present)
6. Inspect opening for any broken or deteriorating parts
7. Clean opening from any debris
8. Confirm opening is about 1/2" to 1" larger than the window
9. Apply sealant around the windows opening
10. Set the window in the opening square and plumb
11. Shim windows in place and screw through the frame into the jambs
12. Add sprayfoam in the gaps on the interior



STEP 4

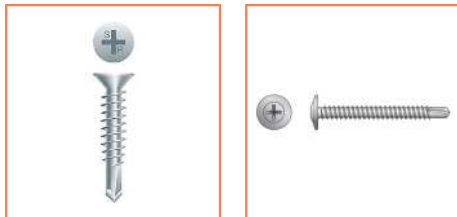
Connections

TOOLS NEEDED

- T11** Drill
- T12** 3/16" metal drill bits
- T13** Clamps (x4)
- T7** Rubber mallet
- T9** Caulking gun
- T5** Painters tool (5 in 1)

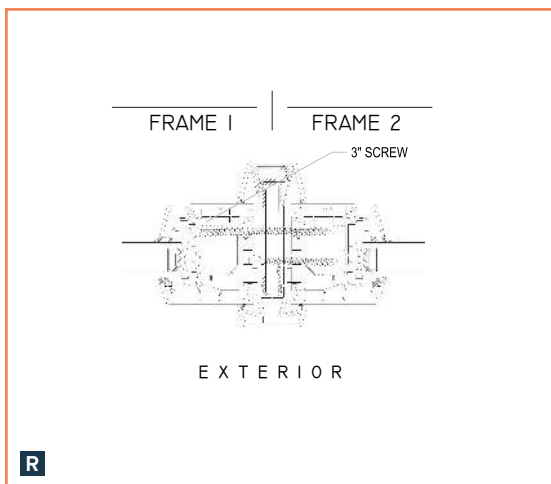
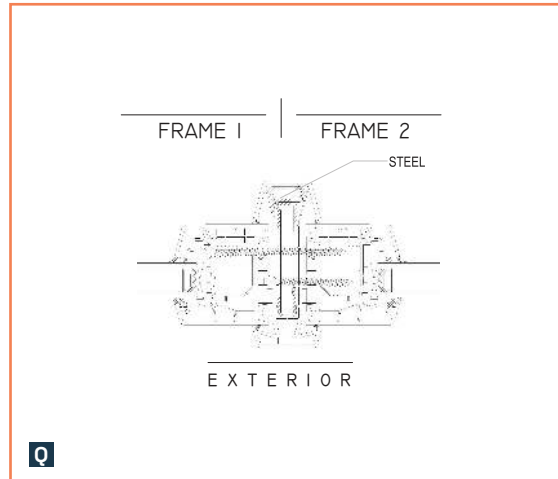
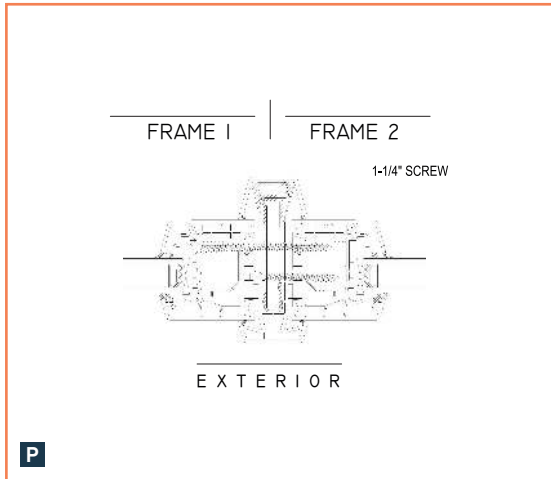
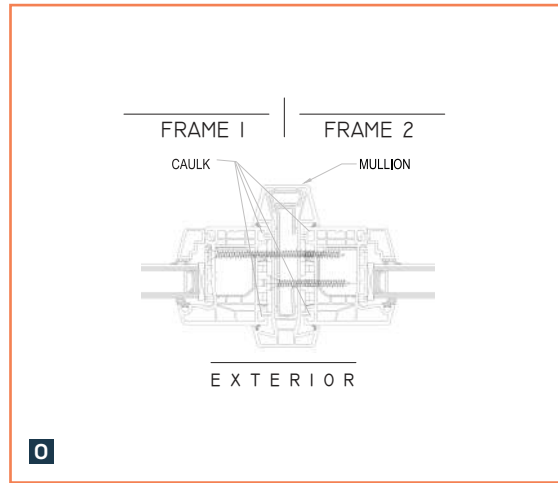
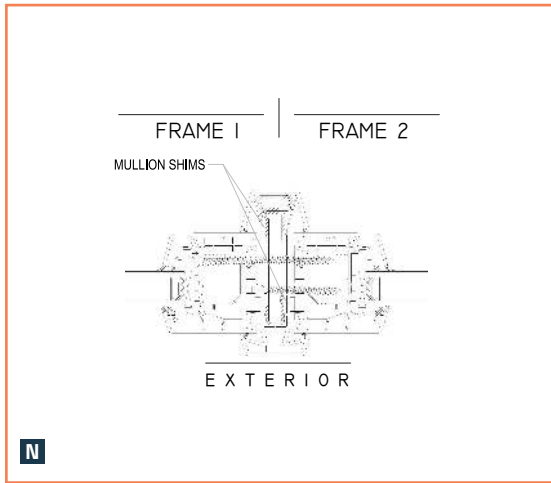
MATERIAL NEEDED

- Mullion - provided
- 3" #12 self tapping screw flat head
- 2" self tapping screw flat head
- Caulk (Spectrem 2 or equivalent)



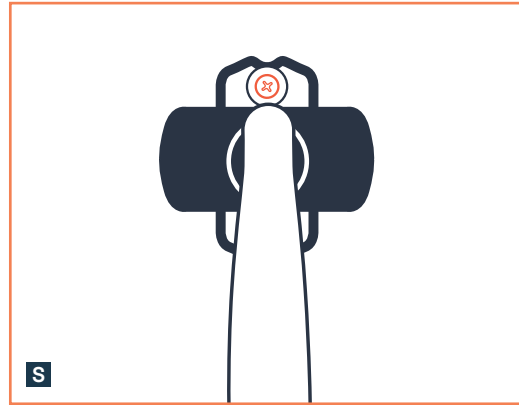
VERTICAL AND HORIZONTAL MULLIONS

1. Remove glazing beads using the painters tool.
2. If glass is more than 1 1/4" in thickness, remove glass as well.
3. Place mullion shims on frame 1 every 16 inches.
4. Put a caulk joint along the interior and exterior of frame 1.
5. Using the 2" screws fasten the mullion to Frame 1.
6. Add screw every 16 inches.
7. Place mullion shims in frame 2 every 16 inches.
8. Add caulk joint on the interior and exterior of frame 2.
9. Clamp frame 1 and 2 together.
10. Using the drill and metal bit, screw a hole from frame 1 through the first part of frame 2s reinforcement steel (hole should be through 4 layers of steel).
11. Holes should be made every 16 inches.
12. Use 3" screws in all holes to fasten construction together.
13. Once all screws are fastened, clamps can be removed.



WINDOW HANDLE INSTALLATION

1. Place handle on the hole and line it up pointing down. **S**
2. Twist cover to reveal screw hole.
3. Use screwdriver/impact driver to screw in the 2 provided screws.
4. Twist cover back.



DOOR HANDLE INSTALL

1. Slide the cylinder in the slot.
2. Use the 2 screws to secure the plates.



DOOR HINGE ADJUSTMENTS

1. Remove hinge cover.
2. Use allen wrench to adjust the hinges horizontally **T** and vertically. **U**
3. Return hinge cover.



WEEP HOLE COVERS

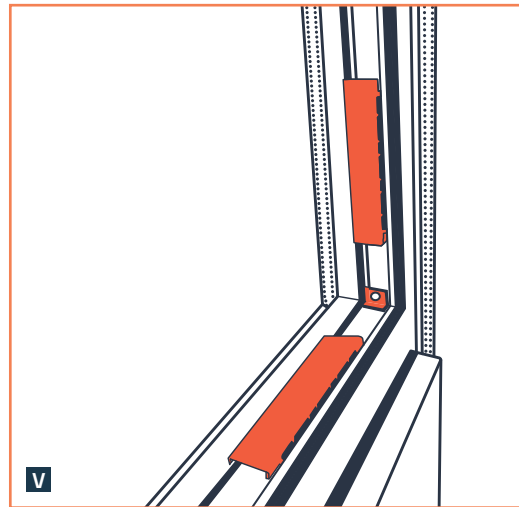
1. Weep hole covers will come separately with the hardware.
2. Click weep hole cover into the slots
3. Make sure the open slot is facing down

SERVICE

Maintenance

GLASS REPLACEMENT

1. Use painters tool to remove glazing beads.
2. Remove glass.
3. Make sure glass shims remain.
4. Replace glass.
5. Use rubber mallet to put the glazing beads back.



MAINTENANCE

1. Clean windows regularly.
2. Do not use any sharp objects to clean windows.
3. Use plastic glass cleaner.
4. Use paper towels or a soft cloth.
5. Clean window hardware regularly.
6. Oil hardware regularly.
7. Do not force window open or closed.



DOOR HINGE ADJUSTMENT



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ADJUSTING INSTRUCTION DOOR HINGES

1. DR. HAHN GMBH & CO. KG HINGES

Dr. Hahn
SY. MADE IN GERMANY.

Regulation on ready-assembled door:

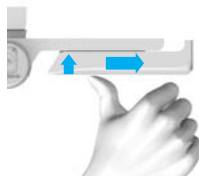
Running regulation of a seal holdfast.
Change of the seal holdfast in the range of upstand height plus 0,5 mm reserve on each side.



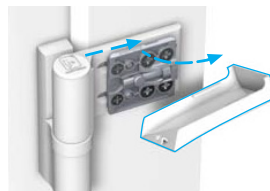
Horizontal regulation:



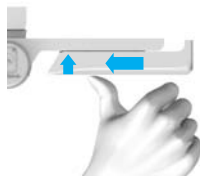
Loosen if secured.



Push the cover and outthrust.



Smooth horizontal regulation \approx 5 mm.



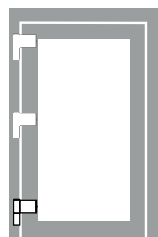
Put the cover and slip the security screw – tighten the cover secured.

Vertical regulation

Smooth from the zero level.

Lifting +4 mm
Lowering – 3mm

The height regulation should be done with the use of unbroken Allen key 5 (by no means with the cap wrench). The wrench should be placed into resistance (about 11 mm).



Warning!

The door should be lift by the lower hinge. Upper hinges should be only adjusted with the proper regulation.



Bearing sleeve is made of "maintenance free" teflon material.
By no means lubricate!

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ADJUSTING INSTRUCTION DOOR HINGES

2. DYNAMIC 3D O20 HINGES



Horizontal regulation:

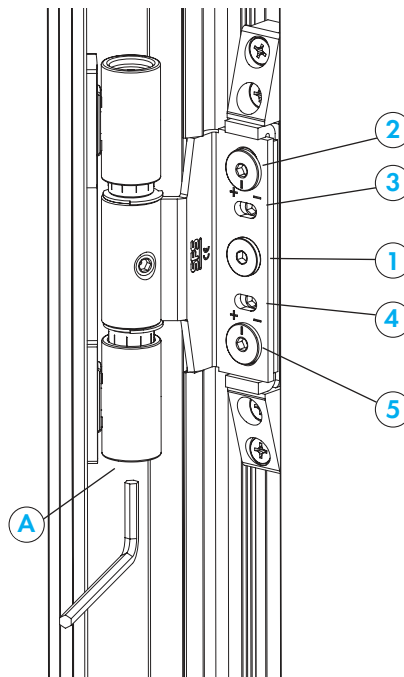
Unwind the no. 1 screw by three turns, then tighten or untighten 3 and 4 screws with the Allen key by 4 mm to reach the proper position. Tighten no. 1 screw. Regulation =/ 3mm.

Regulation of a seal holdfast:

Unwind the no. 1 screw and rotate it in the proper direction +/- screws 2 and 5 with the Allen key by 4 mm to obtain greater or smaller seal holdfast. Regulation =/ 2mm.

Height

Screw in or screw out an element **A** with the Allen key by 4 mm to reach the proper position. Regulation =/ 4mm.



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ADJUSTING INSTRUCTION
DOOR HINGES

3. JOCKER HINGES



Smooth regulation of the JOCKER hinges in 6 directions without the necessity of lifting and taking of the door sash. To perform the regulation only one person is needed.

Vertical regulation:

Jocker PVC (120 kg)

+ 4,0
- 1,5



Jocker Junior PVC (80 kg)

+ 4,0
- 1,0

Horizontal regulation:

+ 4,0
- 4,0



+ 4,0
- 4,0

Regulation of a seal holdfast:

+ 1,75
- 1,75



+ 1,75
- 1,75

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WINDOW HINGE ADJUSTMENT



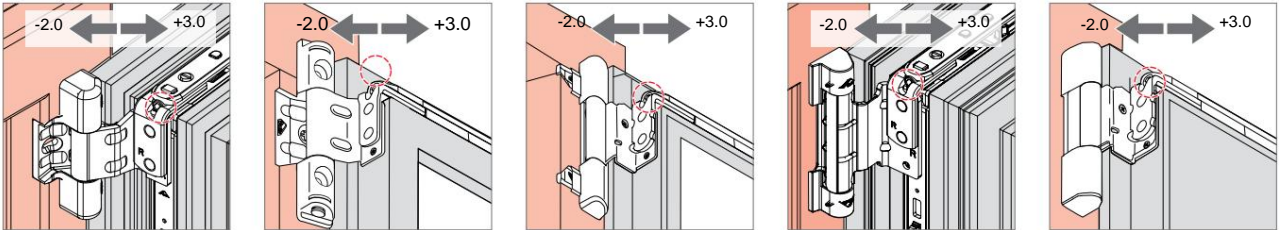
WINDOORFULL IMPORTS



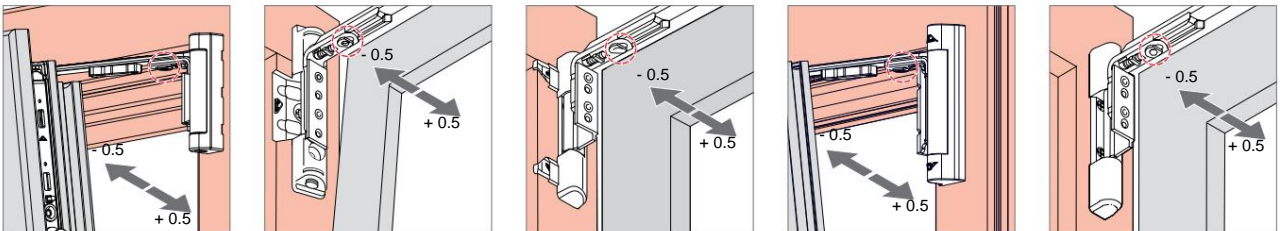
Hinge side T Hinge side E5 Hinge side A1) Hinge side P Hinge side K

Stay stay bracket

Horizontal adjustment

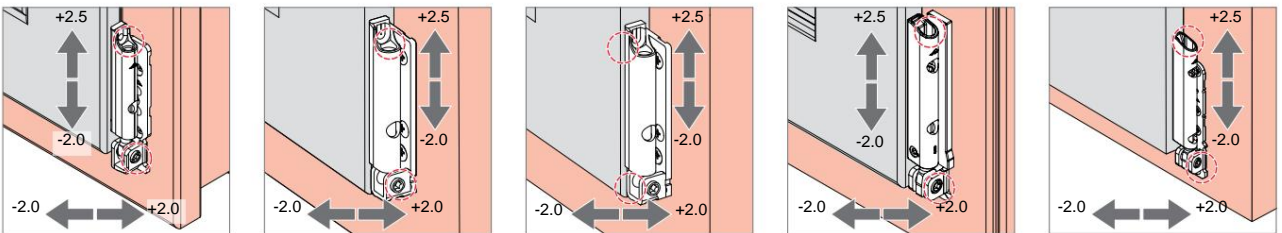


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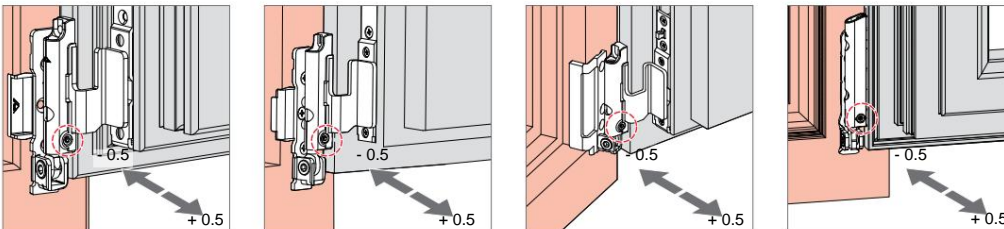


Bottom hinge bracket

Vertical and horizontal adjustment



Pressure adjustment






1) If the caps (stay stay/bottom hinge bracket) and the bottom hinge anti-theft device are used, the stated adjustment values change.



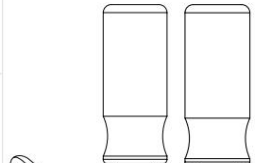




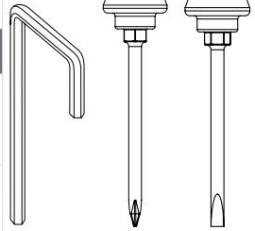



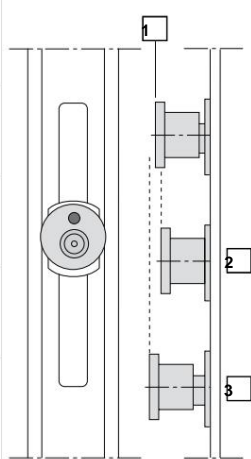
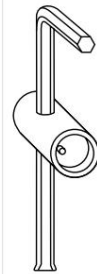





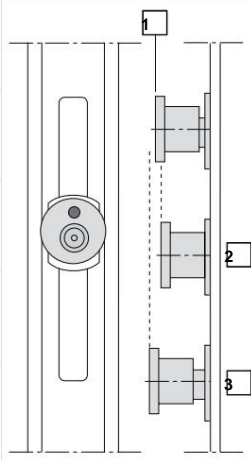
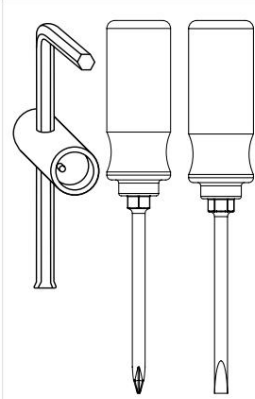






INFO

Roto fittings may only be adjusted by authorized, trained service companies on the installed window.

Adjustment tools

Description	SAP
 Hex Allen key: E and P 4mm locking roller	No. 208609
 Hexagonal wrench: extra adjustment (2.5/4mm)	230764
 Adjustment key: V locking roller	258191

Roll E	Direction of adjustment	Clamping force	Height Side view	Tool	
					
	90° 90°	±0.8mm			
Roll P	Direction of adjustment	Clamping force	Height Side view	Tool	
					
	90° 90°	±0.8mm			
V-roll	Direction of adjustment	Clamping force	Height Side view	Tool	
					
	360° 360°	±0.8mm			±0.2mm
	180° 180°				±0.4mm
	270° 270°	±0.8mm			±0.6mm
	360° 360°				±0.8mm
			[1] 0 = Home position [2] -0.8mm max adjustable [3] +0.8mm max. adjustment		
V-roll (since 2020)	Direction of adjustment	Clamping force	Height Side view	Tool	
					
	90° 90°	±0.8mm			±0.125mm
	180° 180°				±0.25mm
	270° 270°	±0.8mm			±0.375mm
	360° 360°				±0.5mm
			[1] 0 = Home position [2] -0.8mm max adjustable [3] +1.6mm max. adjustment		

WINDOORFULL IMPORTS