

1. Carefully remove all packaging, including shipping blocks from under the sill.
2. Make sure unit is closed and locked.
3. Attach the installation brackets provided to the jambs of the unit. Offset the brackets from the shim locations noted in the diagram to the right. Install the bracket in the groove and rotate 90 degrees to the inside of the unit to lock into position.
4. Cut the house wrap material, fold in and attach to the rough opening. Take the piece of house wrap along the top and fold it up out of the way.
5. Prepare the rough opening by applying a weather shield along the sill and up 6 inches on each side. The weather shield should cover the depth of the opening and overlap down the front face 2 to 4 inches.
6. For units with brickmold or nail fin caulk the sides and top of the opening prior to inserting the window. Do not caulk along the bottom to allow water to escape.
7. For doors, ensure the rough opening sill is level for optimum seal. Apply a triple bead of high quality caulking to the weather shield and 12+up both sides. The bead to the outside of the door is to have gaps every 6 to 8 inches to allow water to escape.
8. Make sure the unit is plumb and square. Shim to level as indicated in the diagram to the right.
9. Bend the installation brackets over the rough opening stud and nail or screw it secure.
10. Apply weather shield down along jambs over nailing fin and extend 2 inches above head of window/door. Then apply weather shield along head of window/door over nailing fin, overlapping piece previously installed over jambs. Now fold down the piece of house wrap over the weather shield (From step 4).
11. Screw through pre-drilled holes, using provided screws, in the frame profile. The sash will have to be opened to do this.
12. Be sure to check for smooth operation of the unit before completing installation.
13. Loosely insulate with batt type insulation or low expansion foam being cautious not to over insulate to the prevent bowing of jambs.
14. Proper installation is critical to ensure that this window performs and operates properly.

*\*When installing **twin or triple** units where the rough opening sill is not level, shim the sill directly under the T-Mullion or mulled area. It is important this shim not be removed. Shimming this area needs to be done in addition to the standard installation procedure.*

*Note: Doors **MUST** be installed with installation brackets (Step 3 & 9) and screws in the frame profile (step 11 )or warranty will be void.*

### Installation Of painted windows/Doors

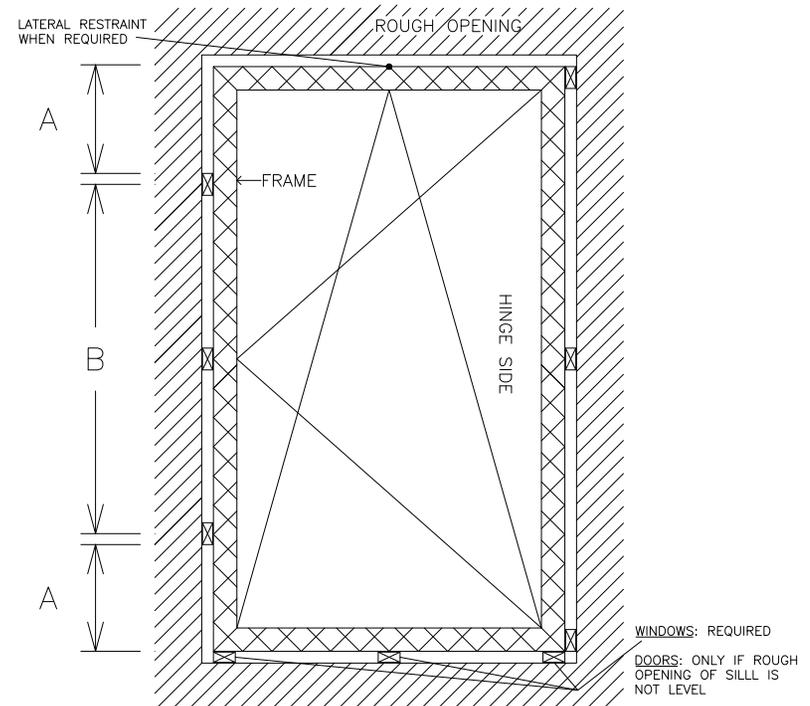
Caution must be used when installing siding against brickmould. There are air vents drilled into the edges of the profiles to allow air movement within the chambers. Should these be blocked by caulking or other materials warranty will be void.

Use extra care when installing below 5C/45F avoiding impact to frame and sash.

Please use these instructions as a guide only. Visit [www.Kohltech.com](http://www.Kohltech.com) for a copy of the installation instructions.

Refer to local building codes for additional window/door installation instructions.

### SHIM LOCATIONS



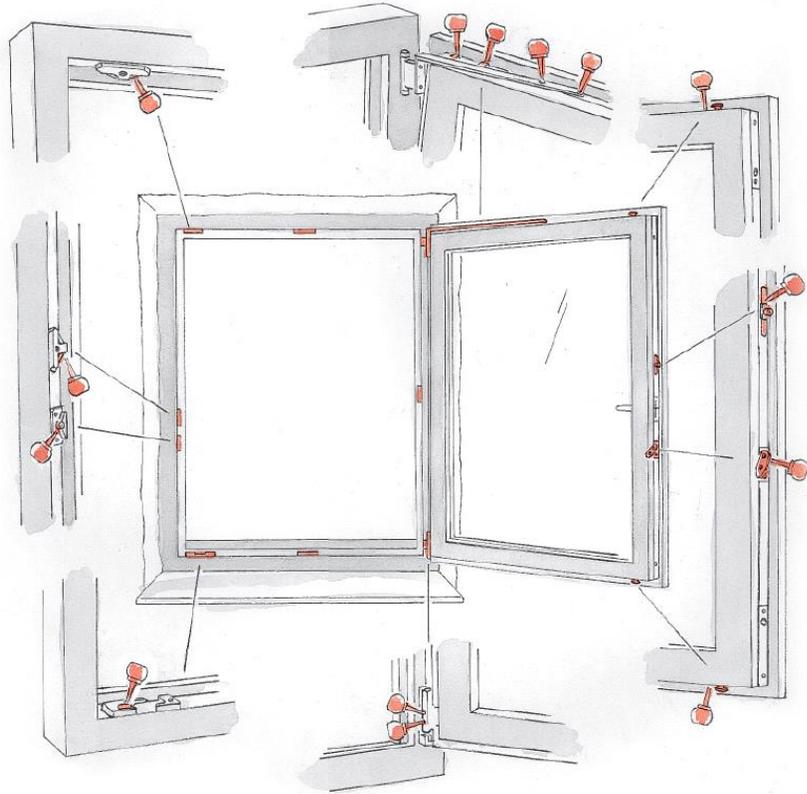
A is to be a minimum 8+(10+for dark coloured exterior finishes)

B is to be a maximum 24+

The sill requires a minimum of 3 shims when the width is less than 64+, 5 shims when greater than 64+

Sill anchor is required for widths greater than 65+

**Maintenance instructions for operation-relevant components for windows and balcony doors**



**Maintenance**

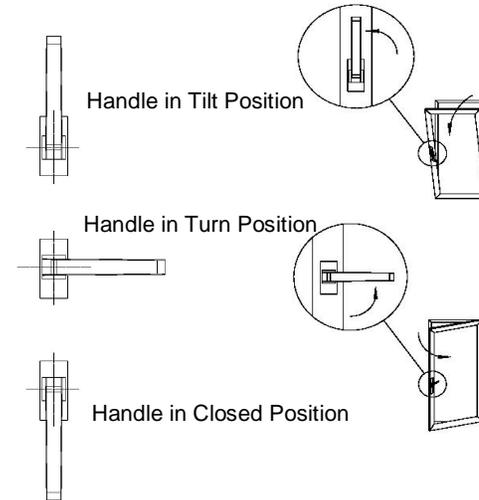


By means of regular **greasing and oiling\*** (at least once a year) all operation-relevant components in the sash and frame, you maintain the smooth operation of your Roto hardware and you protect against premature wear and tear. Security strikers made of steel require continuous greasing

in order to avoid unnecessary abrasion. In addition, the individual screws are to be checked. Possible loose screws or broken off screw heads are to be replaced immediately by a specialised company.

\* Please use acid free and non resinous grease and/or oil from a specialised dealer.

**Turn First Operation  
Standard Operation**



**Tilt First Operation  
For Tilt Only Units**

