

Shutters Measuring Guide - Inside Mount

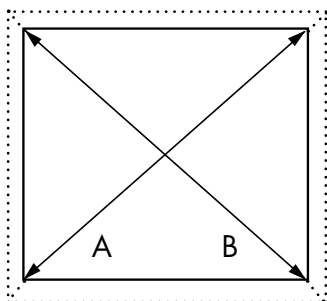
Z- Frame, Bullnose Z Frame, Trim Frame, Deluxe Trim Frame, L Frame, Mounting Strip, or No Frame

1. CHOICE OF FRAME & LOUVER

- The appropriate frame will be affected by the mount type, depth clearance, existing trim, etc.
- Use samples panels, frames and color samples from the shop at home bag.
- Make sure that the chosen frame and louver size will function properly once installed into the opening.
- Ensure the chosen application will overcome any possible obstructions such as latches, cranks or windows that open into the room.
- Number of frame sides is based on the configuration and type of shutter. Four sided frames are recommended for most standard shutters.
- Frame Extensions are not available for inside mount applications.

2. INSIDE MOUNT vs. OUTSIDE MOUNT

- Check for squareness by measuring the diagonal and/or use a sample panel and place at each corner.
- If the diagonal measurements are not identical, a framed application is recommended for inside mounts. An unframed application will result in uneven light gaps.
- If the diagonal measurements are out more than $3/8"$, then an outside mount is recommended.
- If the proper clearance is not available, an outside mount may be necessary for larger louvers and/or Rear Tilt.



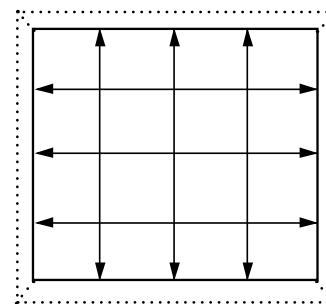
Diagonal Squareness Check

3. MEASURE INSIDE WIDTH

- Measure the width in three places (top, middle & bottom) and record the smallest measurement to $1/8"$.
- For windows with vertical mullions, match the panel widths to each section of the window with or without T Posts. (See Page D2 for measuring instructions)

4. MEASURE INSIDE HEIGHT

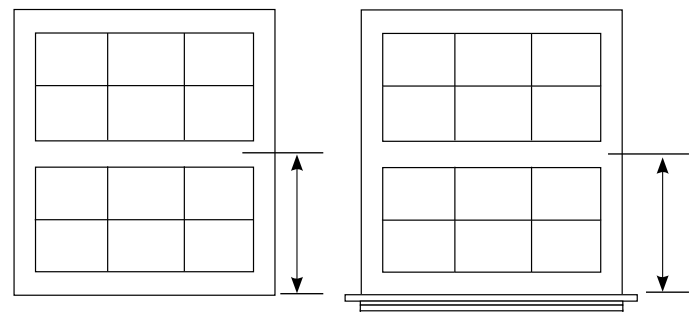
- Measure the height in three places (left, middle & right) and record the smallest measurement to $1/8"$.



Inside Measurements

5. DIVIDER RAILS

- Measure from the bottom of the sill to the middle of the divider rail location.
- One divider rail is required for panels over $66"$ in height with a maximum $66"$ between the middle of the divider rail and either top or bottom rail.
- Two divider rails are required for panels over $96"$ in height with a maximum $66"$ between any two rails.
- Refer to Page D4 for additional divider rail measuring instructions.
- Due to excessive louver overlap that may occur, there should be no less than $18"$ between dividers or a divider rail and top/bottom rail.



Shutters Measuring Guide - Outside Mount

Casing Frame, S Frame, or L Frame

1. CHOICE OF LOUVER & FRAME

- Use samples panels, frames and color samples from the shop at home bag.
- Make sure that the chosen frame and louver size will function properly once installed into the opening.
- Ensure the chosen application will overcome any possible obstructions such as latches, cranks or windows that open into the room.
- If windows include trim, outside mount shutters may be installed on top of, or next to the trim.
- If windows do not include trim, then the shutters are mounted where the trim would be.
- The minimum width of trim required for Casing Frame is 2 11/16", S Frame is 2", L Frame is 1 3/8".
If the trim width is less than the frame width, then the frame should be extended outside of the trim, not inside the opening.
- Number of frame sides is based on the configuration and type of shutter. Four sided frames are recommended for most standard shutters.
- Depth clearance and obstructions can prevent louvers from operating properly. In order to overcome these obstacles, add the necessary frame extensions to the appropriate frame.
- Frame Extensions are available for outside mount applications. Up to (3) 1/2" extensions can be added to either frame for greater projection. (Up to (4) L Frame Extensions are available with French doors.)

2. MEASURE OUTSIDE WIDTH

If on top of trim

- Measure from outside of trim to outside of trim in three places (top, middle & bottom). Ensure the frame does not extend into the opening. Record the largest measurement to 1/8".
- If the chosen frame extends past the edge of the trim, then measure the width from outside of trim to outside of trim in three places (top, middle & bottom). Add it to the measurement that the frame extends past the trim on each side.

If no trim

- Measure the inside width in three places (top, middle & bottom). Take the largest measurement to 1/8" and add 1 3/8" per side for L Frame, 2" per frame side for S Frame, or 2 11/16" per side for Casing Frame.

if installing around trim

- Measure from outside of trim to outside of trim in three places (top, middle & bottom). Add 1 3/8" per frame side for L Frame, 2" per frame side for S Frame, or 2 11/16" per side for Casing Frame. Record the largest measurement to 1/8".

3. MEASURE OUTSIDE HEIGHT

If on top of trim

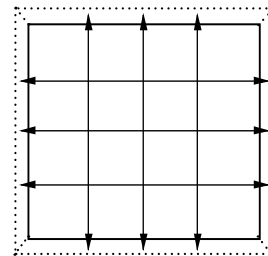
- Measure from outside of trim to outside of trim in three places (left, middle & right). Ensure the frame does not extend into the opening. Record the largest measurement to 1/8".
- If the chosen frame extends past the edge of the trim, then measure the height from outside of trim to outside of trim in three places (top, middle & bottom). Add it to the measurement that the frame extends past the trim on each side.

If no trim

- Measure the inside width in three places (top, middle & bottom). Take the largest measurement to 1/8" and add 1 3/8" per frame side for L Frame, 2" per frame side for S Frame, or 2 11/16" per side for Casing Frame.

If installing around trim

- Measure from outside of trim to outside of trim in three places (left, middle & right). Record the largest measurement to 1/8", add 1 3/8" per frame side for L Frame, 2" per frame side for S Frame, or 2 11/16" per side for Casing Frame



Outside Measurements

4. DIVIDER RAILS

- Measure from the bottom of the bottom frame to the middle of the divider rail location.
- One divider rail is required for panels over 66" in height with a maximum 66" between the middle of the divider rail and either top or bottom rail.
- Two divider rails are required for panels over 96" in height with a maximum 66" between any two rails.
- Refer to Page D4 for additional divider rail measuring instructions.
- Due to excessive louver overlap that may occur, there should be no less than 18" between dividers or a divider rail and top/bottom rail.

