



How to Make Wood Storm Windows

Supplies

1×3 -12'

1×4 - 2'

#10 Biscuits

#20 Biscuits

TiteBond III

Tools

Tape measure

Miter saw

Biscuit joiner

Router

Rabbeting router bit

Kreg Multi-Mark

Purdy Cub Paint Brush

Step 1. Measure the Opening

I started by taking measurements from side to side at the top and bottom of the window opening. Then I took measurements from top to bottom on the left and right side of the window opening.

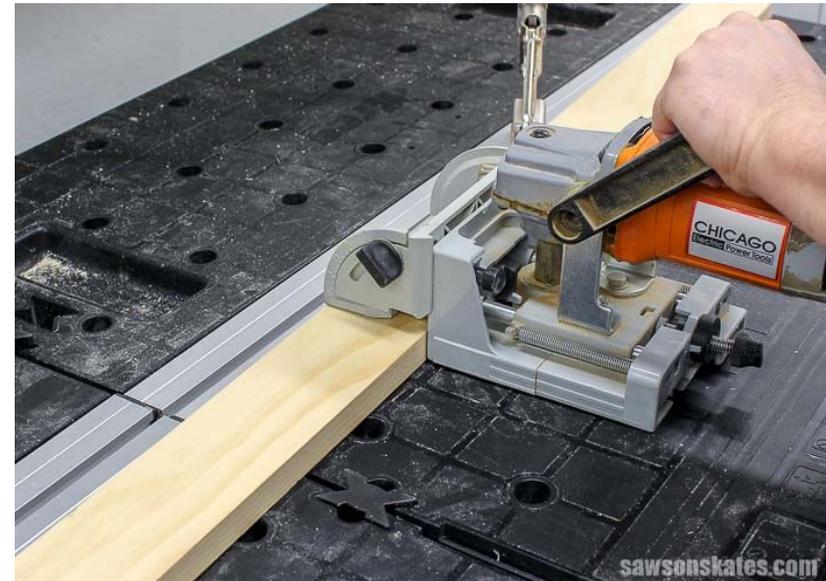
I deducted $\frac{1}{4}$ " from the smallest side to side dimension and I deducted $\frac{1}{4}$ " from the smallest top to bottom dimension. These were the dimensions I used to build my storm window. Deducting $\frac{1}{4}$ " will allow for $\frac{1}{8}$ " of movement around each side of the storm window.

Step 2. Cut the Storm Window Parts

I used the dimensions from Step 1 to determine the length of my storm window parts. Cut 2 stiles from 1×3 to 48". Cut 2 rails from 1×3 to 22-3/4". Cut 1 bottom rail from 1×4 to 22-3/4".

Step 3. Cut the Biscuit Joints

First I laid out the pieces to form the storm window frame. I used a Kreg Multi-Mark to locate the middle of each rail. Then I transferred those marks to the stiles. I cut #10 biscuit slots on the 1×3 joints and #20 biscuit slots on the 1×4 joints.



Step 4. Assemble the Frame

Assemble the Frame. I laid out the pieces to form the storm window frame and test fit biscuits in all of the joints. I recut any slots where the biscuit didn't properly fit. Glue was applied to all of the joints, the biscuits were inserted into the slots, the frame was clamped and checked for square.



Step 5. Cut the Rabbet

Using rabbeting bit in my router I cut a $\frac{1}{4}$ " wide rabbet $\frac{3}{8}$ " deep. The bit leaves the corners rounded, so I needed to square the corners to accept the glass. First I used the Multimark to mark the corner. Then I used a chisel to square the corner.



Step 6. Drill the Weep Holes

I drilled weep holes in the bottom of the frame to allow water to escape if any should build up between the window and storm window.

To drill the weep holes I clamped a piece of scrap wood to the bottom of the frame. I used an awl to make a mark between the frame and scrap wood. Then I used a ¼" Forstner bit to drill a hole in the bottom of the frame.



Step 7. Glaze the Window

I'm not good at glazing as I mentioned earlier. I took my wood storm window to a local glass shop to have the window glazed.

Skate over to [How to Glaze a Window](#) to see how the glass shop glazed my window.

Step 8. Paint or Stain the Frame

I used a Purdy Cub Paint Brush to apply two coats of exterior stain to my storm window.

Step 9. Install the Storm Window

Use store-bought storm window hangers to install the storm window. Or install the storm window with my DIY method. Drill two holes in the underside of the window trim. Add two corresponding screws to the storm window frame. Insert the screws in the holes and lock in place at the bottom with a hook and eye.
