



20 Straightforward Steps to Installing Your Stair Glass Railing

A Hansen stair glass railing looks sophisticated, but isn't complicated to install. With these 20 straightforward steps, and some common tools, you'll be able to add safety and elegance to your stairs.

Step 1 - Lay out and install the fascia brackets as outlined in the Hansen approval drawings, using 4 X 3/8 lag screws per bracket.



Step 2 - Cut all posts with an angle on one end, matching the angle of the staircase.



Step 3 - Install the upper and lower posts into the fascia brackets, using the self drilling hex head screws.



Step 4 - Install the top rail brackets on the top and bottom posts.



Step 5 - Attach a string line between the top and bottom posts to obtain the cut lengths of all intermediate posts



Step 6 - Install all cut intermediate posts and their respective top rail brackets



Step 7 - Install the top rail using the self drilling screws to attach the top rail to the top rail brackets.



Step 8 - Install the end plates with the stainless steel sheet metal screws.



Step 9 - Mark the posts where the bottom rail brackets are to be installed using the Hansen approval drawings.



Step 10 - Drill two pilot holes using the railing connecting block as a guide, and attach the connecting block with the sheet metal screws provided.



Step 11 - Using a string line, measure the intermediate posts and mount the railing connecting blocks.



Step 12 - Use a tape measure to obtain the cut lengths for your top rail infill and bottom rails.



Step 13 - Snap the top rail infill into the underside of the top rail



Step 14 - Snap the bottom rail over the top of the connecting blocks.



Step 15 - Install the glass vinyl (the shallow vinyl fits in the bottom rail and the deeper vinyl fits in the top rail)



Step 16 - Start measuring the glass by measuring the horizontal distance from post to post, just under the top rail. Record that measurement at B, then deduct three inches to arrive at the net glass width.



Step 17 - Then take a perpendicular measurement on the height and put it on the H measurement. Add 3/4" to the height measurement to arrive at the net height.



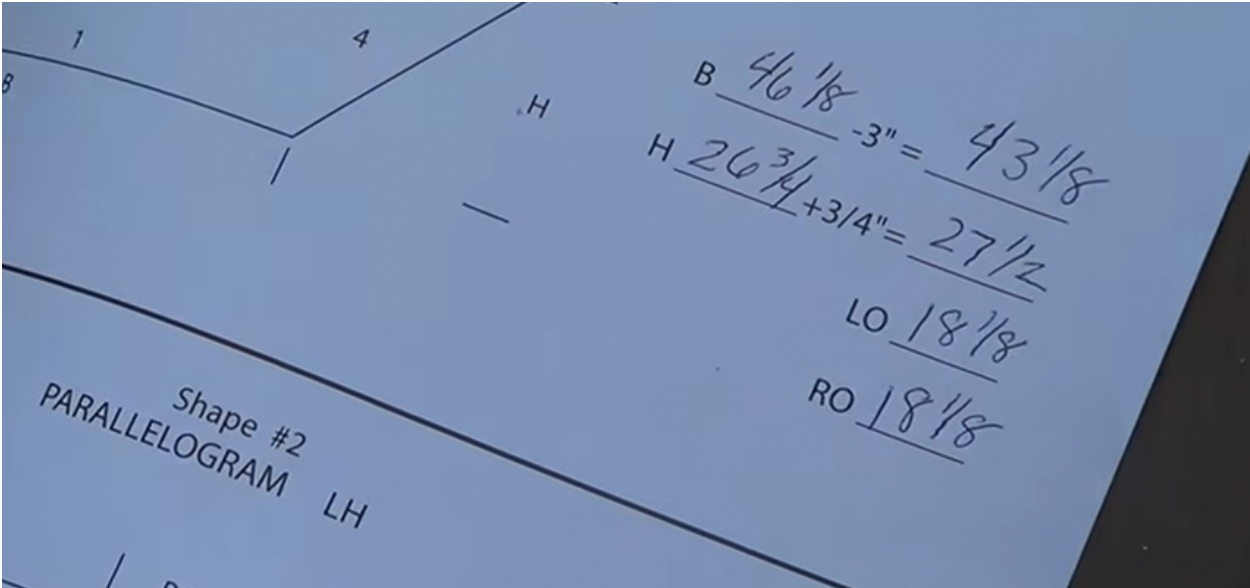
Step 18 - To obtain the right offset dimension, place your square parallel with the bottom rail and up against the right post. Measure from the face of the right post to the edge of your square to obtain the right offset dimension, and record your measurement under RO.



Step 19 - The same process is used to obtain the left offset measurement, except the square is placed parallel with the top rail. Record your measurement under LO.



Note - Both offset measurements should be equal.



Step 20 - Once the glass arrives, install it by inserting the top of the glass into the top vinyl, and then slipping the bottom of the glass into the bottom vinyl



Hint - Use a little glass cleaner to lubricate the glass to aid in the installation.



Now you can enjoy your new glass railing system.