

Deb Tucker's
Studio 180
Design

Large Square Squared®

A Trim Down Ruler for One of Quilting's Most Basic Units

Basic Instructions

New and Improved Guidelines

High Precision for 12 Different Size Units From 1" to 12"

Proper Grain Lines on Unit Edges

Minimal Waste in the Trash Can

Right & Left Handed Instructions

**Easy to Use With
Great End Results**

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Tool Basics

Your new **Square Squared®** tool has been broken up into two different parts because of the size offerings included, **Part A** and **Part B**. Both parts include guidelines and information for making twelve different size units.

Part A

There are two different sections on the **Part A** tool:

The **Center Square Section** has window templates that are drafted to give you high precision center squares. Each square's diagonal measurement is exactly the finished size of the Square Squared unit. Because these squares often involve ugly math, we have you cut them from strips that are slightly oversized. The recommended strip width for each specific size square is listed on the ruler along the top edge. This is a new feature on the Square Squared® tool.

The **Size Chart for Triangles** gives the recommended size squares to cut that when cut in half once diagonally will yield two slightly oversized triangles for constructing the unit.

Part B

Part B consists of the **Trim Down Section**. This section gives you guide lines to align with the seams of the pieced Square Squared unit so you can trim each to a precise size with a proper $\frac{1}{4}$ " seam allowance on all sides.

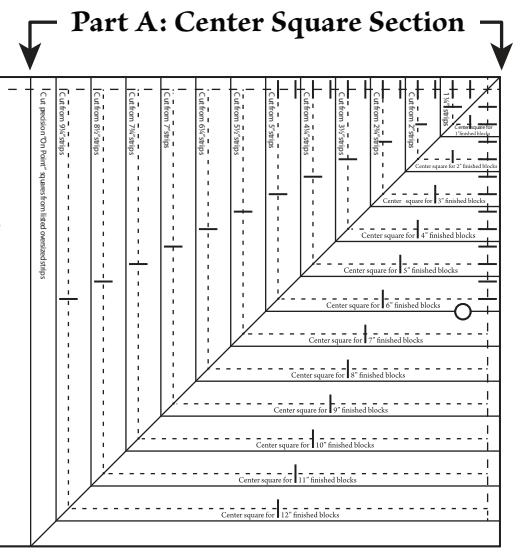
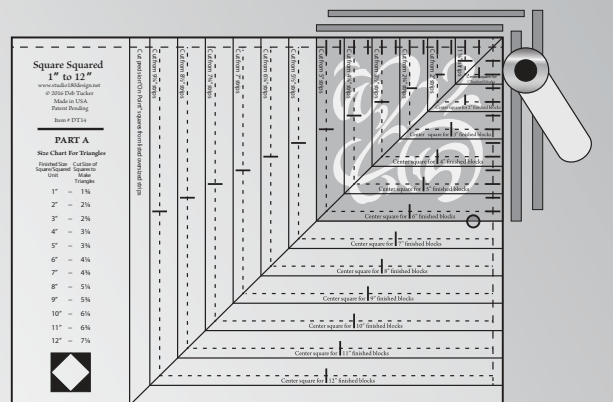
In addition to the instructions included here, you can also watch [video demonstrations](#) for using your Square Squared® tool on my website: [Studio180Design.net](#).

How to Use Your Square Squared Tool

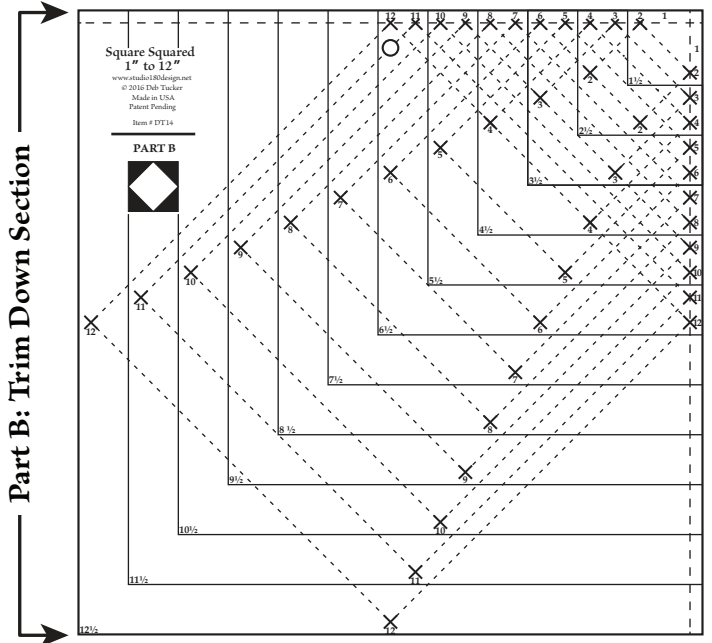
Step 1 - Determine the desired finished size of your Square Squared unit.

Step 2 - Use the **Part A: Center Square Section** to cut the center squares from your fabric. Locate the window template for the finished size unit/block you wish to make. You can use the window template to cut your center squares from strips or to fussy cut for special effect.

Note: There are several additional lines to aid in fussy fitting. There is a common diagonal line running through all the corners of all the squares that can aid in centering a design. Plus there are small registration marks at the half way point of each center square that can also be used to help center motifs or pieced shapes that you may want to use as the center square.



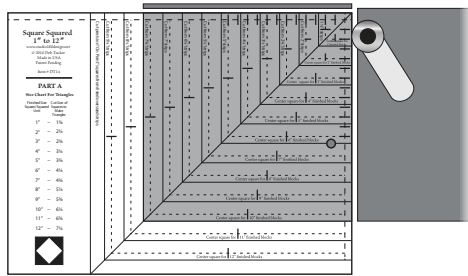
Part A: Size Chart



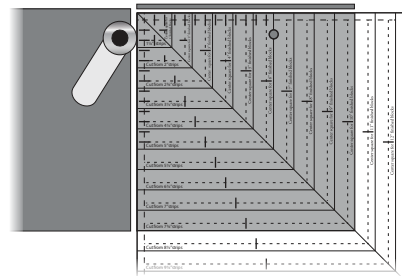
Part B: Trim Down Section

Step 3 - To cut from strips, locate the recommended strip size for your chosen center square (along the top edge of the tool on the same size window template you'll be using). Note the listed strips are slightly wider than the center square window templates. Lay the oversized strip on the cutting mat, clean up short edge, and place window template on raw edges of the strip end. Cut up the side and across the top to trim each square to a precision size. If you are right handed, cut your pieces left to right across your strips. If you are left handed, cut your pieces right to left across your strips. Cut through as many layers as you feel comfortable, but use extra care here to make certain the squares are the correct size.

Step 3 - Cut Center Squares (Right Handed)



Step 3 - Cut Center Squares (Left Handed)



Step 4 - Cut surrounding triangles. Use the **Size Chart for Triangles** located on the **Part A** section of the tool to determine what size squares to cut for the oversized triangles that will be added to the center square. Each triangle square will be cut on the diagonal once to produce two triangles. You'll need two triangle squares for each center square.

Step 5 - Position two triangles on opposite sides of the center square. No need to fuss with matching the middles, as the triangles are larger than they need to be. Just basically center them and keep the raw edges aligned.

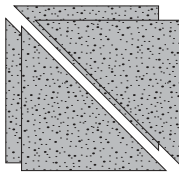
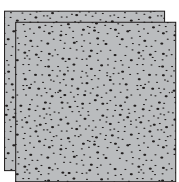
Step 6 - Stitch the two triangles using an accurate $\frac{1}{4}$ " seam. Sew with the square on top for best visibility.

Step 7 - Press seams away from the center square.

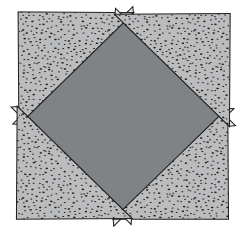
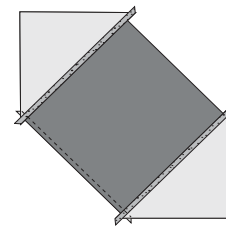
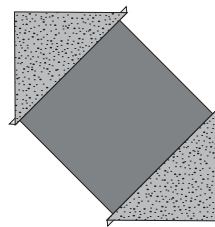
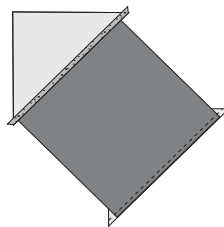
Step 8 - Position remaining two triangles on the remaining two sides of the center square. Again, don't fuss too much with aligning the centers, just get them close.

Step 9 - Stitch these two triangles using an accurate $\frac{1}{4}$ " seam. Again, sew with the center square on top for best visibility.

Step 10 - Press seams away from the center square.



Step 4 - Cut Four Side Triangles



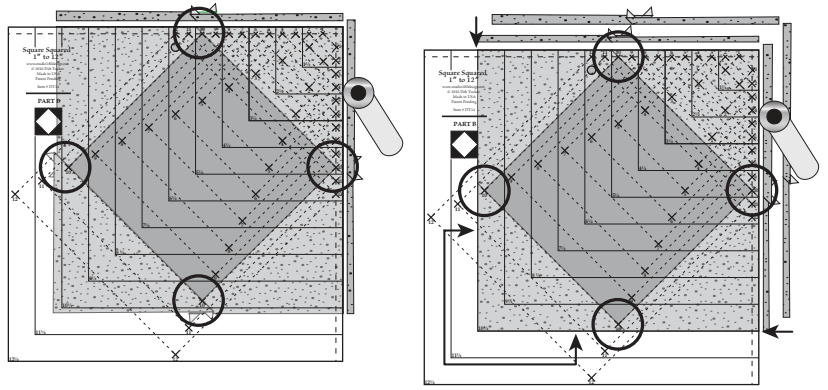
Step 5 to 10 - Position, Stitch, Press

Note: Your oversized unit may not look very refined at this point. Edges not straight, too much fabric beyond the $\frac{1}{4}$ " seam crossings or possibly some bowing due to heavy handed ironing. Not to worry! Your Square Squared unit is now ready to trim to a precise size.

Step 11 - Use the **Part B** tool section to trim the units to size. Locate the “X’s” marked with the number of the size unit you are constructing. There will be four “X’s” with the same number. Position those “X’s” and the broken lines connecting them over the seam intersections and seam lines of the sewn unit as shown in the diagram.

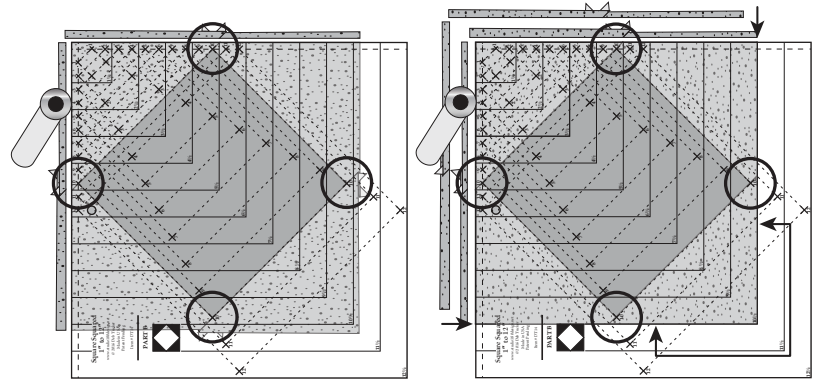
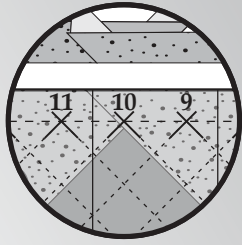
Right hand quilters: position tool horizontally over the unit and trim up the right side and across the top.

Left hand quilters: position tool vertically over the unit and trim up the left side and across the top.



Step 11 to 13 Trim Square Squared Units (Right Handed)

Note: While this is what your trim down should look like, if when you go to align your “X’s” over your pieced unit, and not everything is lining up perfectly, don’t worry! Simply center the ruler over the area by finding the middle ground of all four marks. Slightly adjusting the width of your seam allowance will easily rectify this issue for future units.



Step 11 to 13 Trim Square Squared Units (Left Handed)

Step 12 - Lift the ruler and rotate the fabric unit 180° on the cutting mat.

Step 13 - For the second cut, position the ruler on top of the unit again, lining up the “X’s”, and also lining up the cleanup lines on the ruler with the edges previously trimmed. This assures that you end up with a square that has proper ¼” seams on all sides and is exactly the correct size to use in your quilt project. And like all units made using Deb Tucker’s methods, the edges are on the straight of grain and there’s very little wasted fabric.

Visit our website, Studio180Design.net, to check out our many companion products for the **Square Squared®** such as our **Stacked Squares Technique Sheet** and numerous companion patterns! We also have many other fantastic tools for creating fundamental quilting units, such as our **Wing Clipper®** for flying geese or for something more challenging, check out the **Rapid Fire® Lemoyne Star** tool, which incorporates streamlined strip piecing techniques to quickly and easily construct traditional Lemoyne Star blocks in 10 different sizes!

Stay up-to-date on all our newest releases by subscribing to our newsletter or follow us on Facebook, Instagram, and Pinterest!

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