What's a Tumbler?

A Perfect Tumbler is a shape where the base and the height are the same exact size and the top is exactly half of the base measurement. (See diagram on left.)

The Tumbler Tool is designed to cut Perfect Tumblers from 3½", 4½", 5½", or 6½" strips of fabric with no waste.

CUTTING TUMBLER SHAPES

**Step One:** The Tumbler Tool is designed to use 3 ½", 4 ¼", 5 ½" or 6 ½" strips of fabric. Locate the size strip you are using on the ruler. In our example, we are using a 6 ½" strip. Locate the 6 ½" line on the left side of the ruler and the 6½" line on the right side of the ruler. (See diagram at left.)

When using the other sizes of strips, the same process applies. Locate the measurement on the left side of the ruler and the measurement on the right side of the ruler.

Notice the “angle” on the bottom of the ruler. Use this to “notch” the bottom of your tumbler for easy matching when sewing. This step is optional. You may find after you sew a few together you don’t need it.

**Step Two:** Align the ruler onto the pre-cut strip of fabric as shown. Cut on BOTH the left and right sides of the ruler for this FIRST cut only.

Cut the notches on the tumbler base if you like.

**TIP:** It does not matter if your fabric is right side up, right side down, or right sides together. Stack up as many strips as you can safely cut at once to make really fast time.

Refer to diagrams on the next for ruler placement on 3 ½", 4 ½", and 5 ½" strips.

**Step Three:** Rotate the ruler 180° as shown in the picture on the left. Line up the left edge of the rule with the previous cut line from Step Two. Align ruler to the strip size. Cut the next tumbler shape.

Repeat this process of rotating the ruler and cutting until you have all the tumblers you want from your strip of fabric.

Now - how easy is that!
Strip and Ruler Placement for Perfect Tumblers

Sewing Tumblers Together

All Seams Are Sewn with a ¼" Seam Allowance

Tumbler Shapes are sewn together exactly as they were cut, one is UP and one is DOWN.

Layout Tumbler Shapes as shown.

Place Right Sides together (as shown) and stitch seam. Press as desired.

Simply stitch tumblers together in rows until you reach the desired width.

Stitch enough rows to get to the length you want.

When all the rows are sewn together, just trim the sides to make the edges even.

Design Ideas

- All Tumbler Rows Facing the Same Way
- NO Seams to Match
- Rows are Sewn so that Tumbler Tops Meet Tops and Tumbler Bases Meet Bases
- Matching Darks and Lights Creates “Lava Lamps” and “Bow-Ties”
- Creating Vertical Rows of Dark and Light Tumblers “Pathways?”

Notice how the side edges are not square. Trim these edges after the center has been completely sewn together. Add a few borders if you’d like.
NOT SO PERFECT TUMBLERS

The Tumbler Tool is also “Perfect” for making “NOT SO PERFECT TUMBLERS”.

What’s a Not So Perfect Tumbler? It’s simply a tumbler shape that doesn’t abide by the rules. It’s height does not equal it’s base. It’s top is not half the measurement of the base. But it’s still a tumbler, and actually a lot of fun. Here’s some examples

This tumbler was cut using 9 ½ Strips, the full height of the Tumbler Tool. Make quick work of a quilt using this shape.

Both of these shapes were cut using 2 ½” Strips. Notice how the width of the Tumblers are different. These shapes will stitch together to make a very interesting quilt.

TIP:
- Not So Perfect Tumblers can be cut at any position on the ruler. Make them as narrow or wide as you would like.
- Strips of the same height can be cut at various widths on the ruler. All the different widths will fit together perfectly.
- Have fun with the Tumbler Tool. The possibilities are endless!

Approximate Number of Tumblers Needed for Quilt Size

<table>
<thead>
<tr>
<th>Strip Size</th>
<th># Tumblers Per Strip</th>
<th>CRIB</th>
<th>LAP</th>
<th>TWIN</th>
<th>FULL</th>
<th>QUEEN</th>
<th>KING</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 ½”</td>
<td>14 - 15</td>
<td>120</td>
<td>375</td>
<td>540</td>
<td>600</td>
<td>660</td>
<td>825</td>
</tr>
<tr>
<td>4 ½”</td>
<td>12 - 13</td>
<td>60</td>
<td>180</td>
<td>300</td>
<td>370</td>
<td>425</td>
<td>520</td>
</tr>
<tr>
<td>5 ½”</td>
<td>10 - 11</td>
<td>50</td>
<td>135</td>
<td>210</td>
<td>265</td>
<td>295</td>
<td>340</td>
</tr>
<tr>
<td>6 ½”</td>
<td>8 - 9</td>
<td>30</td>
<td>100</td>
<td>135</td>
<td>165</td>
<td>210</td>
<td>230</td>
</tr>
</tbody>
</table>

Yardage Calculation:

Example: Twin Quilt Using 5 ½” Strips

Step 1: Number of Tumblers Needed
210

Step 2: Number of Tumblers per Strips
10

Step 3: #1 divided by #2
210 / 10 = 21

Step 4: #3 times Strip Size
21 * 5.5 = 115.5

Step 5: #4 divided by 36. Round up to nearest .25
115.5 / 36 = 3.2

3.25 yards

All Numbers and Calculations Provided are Estimates Only.

Actual results may vary.