



General Measuring Guidelines – Rectangle

Measuring your pool will be easier if you have another person helping you. Also, draining your pool will make the measuring process easier, however, it is not necessary. Measurements can be taken from outside of the pool.

Never assume your pool is standard. All pools are different. Please take all the requested measurements for your pool for an good fitting liner. Actual pool measurements should be made even if original pool plans are available, as slight variances to the plans may have occurred during construction and the builder may not have followed the pool plan precisely.

When measuring the pool, do not make allowances for weather conditions, temperature, or the fact that vinyl shrinks and expands. These calculations are made when the new liner is designed.

Please supply all measurements in feet and inches. Round your measurements up to the nearest ¼" (inch).

Follow the "step-by- step" measuring instructions carefully, referring to all diagrams to ensure accurate measurements.

Remember to include your Name and Quote # number on each page that you send to us.

Remember to record ALL of your measurements on the Pool Fits MEASURING form. You may need to transfer measurements you have made on other pages or your notepad onto the actual Pool Fits MEASURING FORM.

Write your measurements legibly, using BLACK INK. (No pencil or felt-tip marker please!) Make copies of all pages for your records BEFORE sending them to us. You will need to refer to your copies if we have questions regarding your measurements.

Have Questions? Need Assistance? . . . We're Here to Help!

REMEMBER: Retain a Complete Copy of your Pool Measurements for Your Records . . . You may need to refer to your copies if there are any follow-up questions

REMEMBER: Pool Fits is here to support you!

- **Call Toll-Free:** 1-877-325-3487 (FITS)
- **Go to:** www.poolfits.com – Live Chat



Remember: Record All Measurements on the Pool Fits Rectangular Measuring Form



MOST COMMON MEASURING MISTAKES

1. Not Writing Legibly & in Black Ink (no pencils or markers please!)
2. Mis-measuring the Slopes
3. Not Taking all Measurements on the Horizontal & Vertical Plane
4. Assuming or Estimating any of the Required Measurements
5. Not Measuring Depth from the Bead Receiver versus the Pool Deck
6. Not Taking Accurate Diagonal Measurements
7. Not Using the same Units of Measurements for all Dimensions
 - **Tip:** Use Feet & Inches (4'-2")
8. Adjusting Measurements for a 'Better Fit'
9. Mis-measuring or leaving off Corner Type and Dimensions
10. Not Providing the Location of a Preformed Plastic Pool Step
11. Mis-measuring S1 & S2 Shallow-end Break-off Points
12. Mis-measuring D1 & D2 Deep-end Break-Off Points
13. Not Taking a Full Perimeter Measurement of the Pool
14. Ensuring Vinyl Over Stair Risers Equal the Shallow-end Wall Height
15. Not Providing the Vinyl-Over Step Attachment Type and Locations
16. Not Retaining a Copy for Your Records
 - You may need to refer to your copies if there are any follow-up questions

TOOLS REQUIRED

Tools Required to Measure a Pool

- Minimum of 2 People – Ideally 3 People (which allows someone to record measurements while the others work the tapes)
- 2 – 100 Foot Tape Measures
- 2 – A-B Stakes (12" Nails or ½ Re-Bar or Similar)
- 6' to 8' Straight Edge (used to measure the slopes and depths)
 - **Tip:** A Straight 2"x2" Spruce or Straight Ordinary 2"x4" will work
 - **Tip:** Your Telescopic Vac Pole will work
- Plumb Bob and String
- Pool Fits Measurement Sheet(s) – Some Shapes Require More than 1
- Black Ink Pen
- Chalk
- Level



Remember: Record All Measurements on the Pool Fits Rectangular Measuring Form

Rectangle Pool Quick Reference

Step #1: Measure the Width (A) and the Length (B)

Referring to the illustration of your Rectangular Pool (Figure 1), be sure that the width (A) and the length (B) measurements are made at the bead receiver (where the liner snaps into the track), not at the edge of the coping or the edge of the pool deck. (Figure 2)

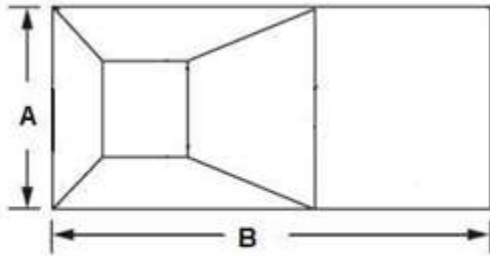


Figure 1

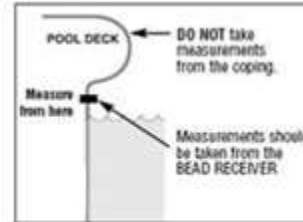


Figure 2

Step #2: Measure Diagonals

For a Rectangle Pool, you will need to measure the Diagonals from Corner to Corner on the pool on the Diagonals (#1 and #2). Refer to Figure 3 to locate the diagonals. Remember to use the bead receiver (pool edge) as the reference point.

The diagonals are often overlooked, but they are important because few pools are perfectly square. There can be a substantial difference end-to-end in a pool, and that needs to be noted if a liner is to fit properly. (The Computer Aided Design System that engineers your liner can adjust for out of square pools.)

Measure the diagonals from the squared corners. If the corners of your pool are radius (round) or cut-off (diagonal), be sure to measure to the imaginary square corners. Refer to the diagrams (figure 4) for instructions on measuring to squared corners:

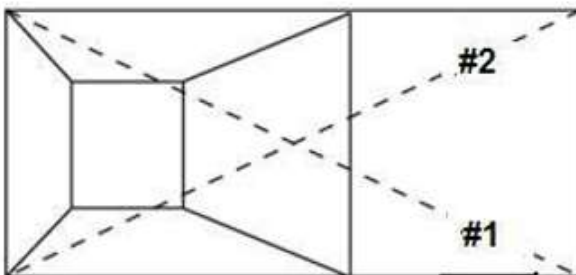


Figure 3

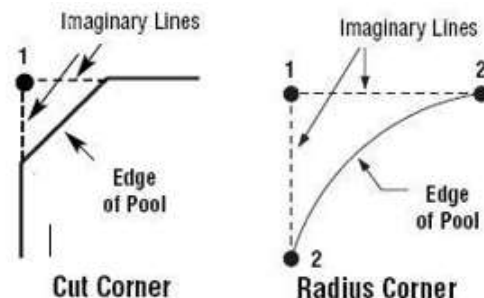


Figure 4



Remember: Record All Measurements on the Pool Fits Rectangular Measuring Form

Step # 3: Properly Measuring Bottom Configuration and Slopes

Many pools have rounded or bowled hopper (pad) slopes. If this is the case measurement must be taken at the point on the pad where it is truly flat, and the pool reaches its maximum depth. If the slope is taken at the imaginary intersection (shown in the diagram below as point X) it will increase the possibility of “puckers” or small wrinkles when the liner is installed. The slope should therefore be measured at point Y (Figure 5). If the pool has sharp and distinct slopes, where they transition to the hopper pad, then the measurement should be taken at the point where the slope meets the hopper pad.

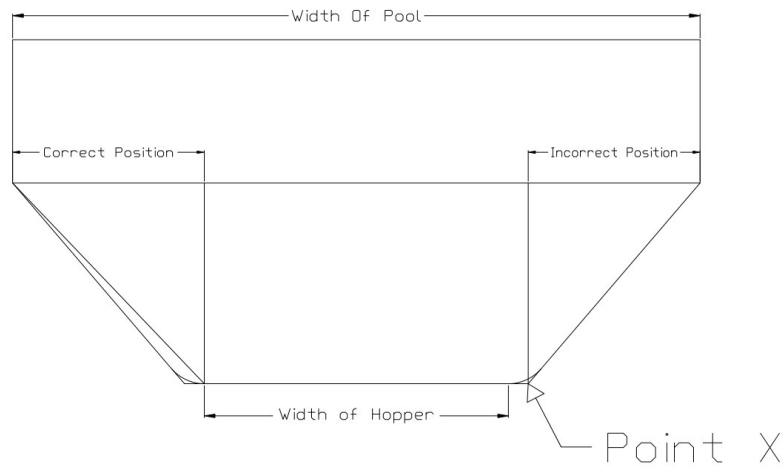


Figure 5

TIP: All Slope Measurements are to be taken on the horizontal and vertical plane as shown below: (Figure 6)

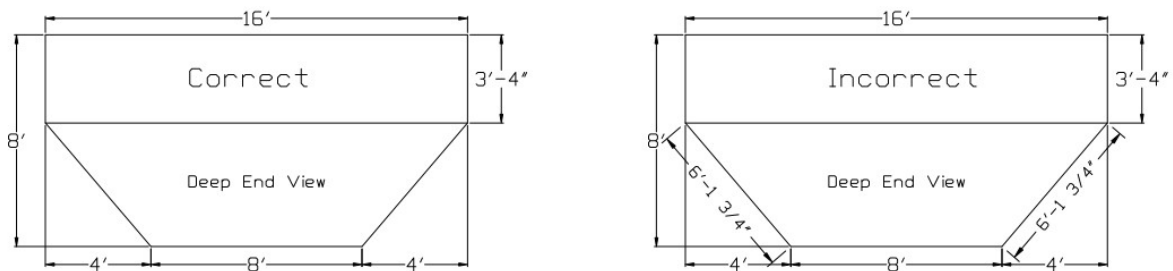


Figure 6



Remember: Record All Measurements on the Pool Fits Rectangular Measuring Form



TIP: All Depth Measurements are taken from the Bead Receiver and not the Top of the Pool Deck (Figures 7 & 8)

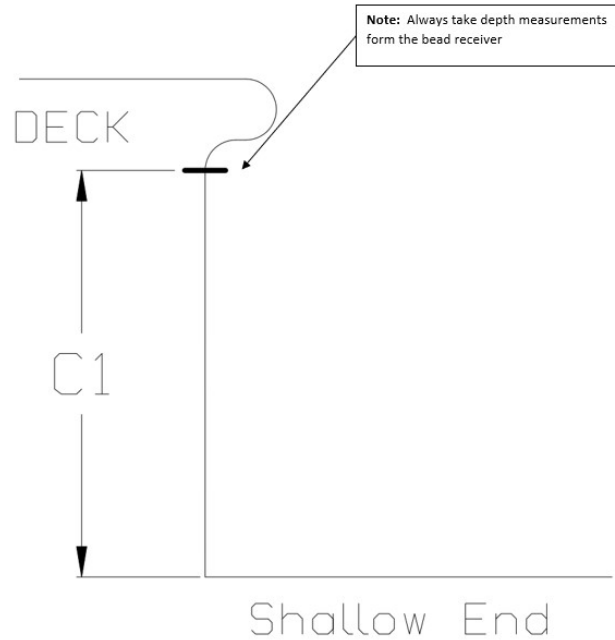


Figure 7

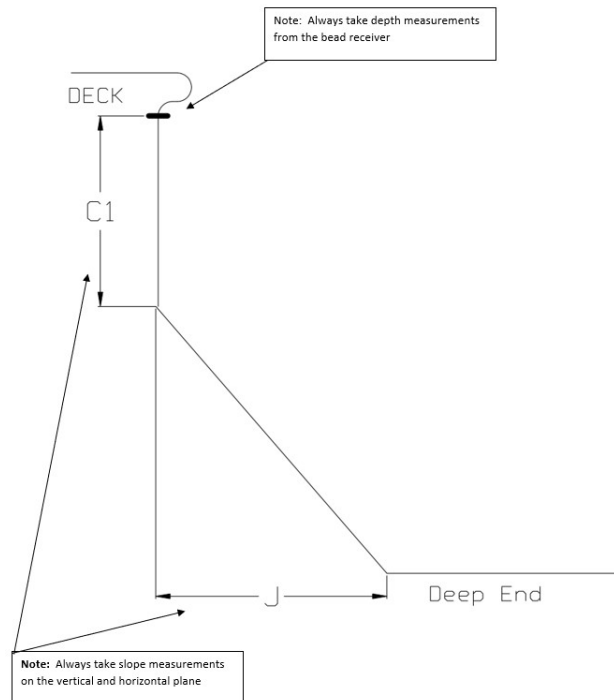


Figure 8

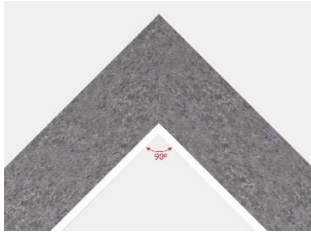


Remember: Record All Measurements on the Pool Fits Rectangular Measuring Form

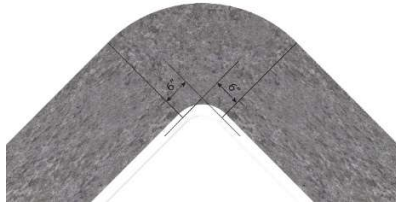


Step # 4: Identify Corner Type and Size

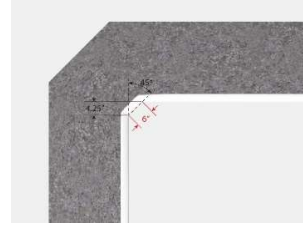
Corner Types:



Square



Radius (Round)



Cut-Off (Diagonal)

TIP: There are many different sizes of Radius and Cut-Off Corners. Consult the Pool Fits Website Corners Gallery to validate your corner size. We have all the Common & Specialty Corners in our gallery along with all the measurements you'll need to verify your corner size.

Step # 5: Step Type and Location

Preformed Thermo-Plastic or Fiberglass Pool Step

- Locating the Preformed Thermo-Plastic or Fiberglass Pool Step is important and easy to do:
 - Measure to either side of the step from the opposing corners of the pool, using the same method as used for the diagonal measurements, providing two measurements for each side of the step
 - Whenever possible, manufacturers locate the liner's 'side wall seam' in the interior of the step, so that when the faceplates are applied and the step is 'cut-in' the sidewall seam is removed from the liner to provide better esthetics.

Vinyl-Over Step – Call us . . . we'll walk you through it!

REMEMBER: Pool Fits is here to support you!

- **Call Toll-Free:** 1-877-325-3487 (FITS)
- **Go to:** www.poolfits.com – Live Chat



Remember: Record All Measurements on the Pool Fits Rectangular Measuring Form