



# In-ground Liner Measuring Instructions

This guide will assist pool owners in measuring their pool for a replacement vinyl liner. It is most useful for those with rectangular or Grecian pools. The guide is also helpful in measuring any pool with a hopper bottom or safety ledge. It is especially helpful for pool owners who do not want to empty the pool before measuring. Record all measurements to the nearest inch. The information is a collection from different sources and is not intended to be all encompassing in scope.

## BEFORE YOU BEGIN

- Draining your pool will make the measuring process easier, however, it is not required. Most measurements can be easily taken from outside of your pool.
- Measuring your pool will be easier if you have another person helping you.
- 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.
- Actual pool measurements should be made even if original pool plans are available due to the fact that slight variances may have occurred during construction. The builder may not have followed the pool plan precisely.
- When measuring your 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 engineered.
- Please supply all measurements in feet and inches. Round your measurements up to the nearest whole inch.
- Never assume your pool is standard. All pools are different. Please measure your pool for an exact fit.
- Follow these step-by-step instructions carefully, referring to all diagrams to ensure accurate measurements.
- Remember to include your name, address, email address, phone and fax numbers on each page that you send to us. You must also sign **PAGE 1** of the **MEASURING FORM** before we can begin estimating your liner.
- Remember to record **ALL** of your measurements on **PAGE 1** of the **MEASURING FORM**. You may need to transfer measurements you have made on the Measuring Instructions pages onto the actual **MEASURING FORM**.
- Send your completed **MEASURING FORM(S)** to:  
Doheny's  
6950 51st Street, Kenosha WI 53144  
Fax: (800) 323-5932  
E-mail: CustomSales@Doheny.com

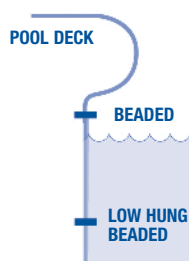
**QUESTIONS? CALL 1-866-DOHENY'S (364-3697)**

## INSTRUCTIONS

### Step 1

#### Indicate Your Liner Type

Refer to **PAGE 1** of the **MEASURING FORM** to select the correct liner type. If you have a beaded liner, select "hung" or "low hung." If you have an overlap liner, please indicate the amount of overlap.



### Step 2

#### Choose Your Pool Shape

Select your **EXACT** pool shape from Appendix A. Record your pool shape on **PAGE 1** of the **MEASURING FORM**, then proceed to Step #3.

**NOTE: You will refer to Appendix A often throughout the measuring process, so keep it handy.**



## Step 3

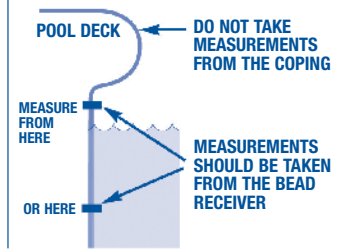
### Corner Type

Refer to Appendix B to select the corner type on your pool. Record your corner type and the measurements indicated on PAGE 1 of the MEASURING FORM. **Note: If you have more than one type of corner on your pool (such as with a Lazy "L" pool), please include a sketch of your pool that indicates each corner type and the appropriate measurement. The sketch should be included along with the Measuring Form.**

## Step 4

### Measuring the Length (A) and the Width (B)

Refer to the illustration of your pool that you selected in STEP #2. Be sure that the length (A) and the width (B) measurements are made at the BEAD RECEIVER (where the liner snaps into the track), NOT at the edge of the coping (the edge of the pool deck). Record your measurements in the "Dimensions" section of PAGE 1 of the MEASURING FORM. **Note: If your pool is an "L" or Lazy "L" Shape, take ALL measurements for (A) and (B), including (A1), (A2), (A3), (A4), (B1) and (B2).**



## Step 5

### Measure Diagonals, Rectangle and Lazy "L" Pools Only

If your pool is not a rectangle or a Lazy "L" proceed to Step #6. For a RECTANGLE pool, you will need to measure the pool on the diagonals (R and Q). For a Lazy "L" pool, you will need to make two sets of diagonal measurements: (Z1, Z2) and (Z3, Z4). Remember to make all of these measurements from the BEAD RECEIVER, not the coping (refer to the illustration in STEP #4 above). Refer to the diagram of your pool shape in Appendix A to locate the diagonals. 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 DIAGONALS FROM SQUARED CORNERS: If the corners of your pool are radius (rounded) or cut (diagonal), be sure to measure to squared corners. Refer to Appendix B for instructions on how to square a radius corner. Record your measurements in the "Dimensions" section of PAGE 1 of the MEASURING FORM.**

## Step 6

### Measuring Shallow End Coved Bottoms

Refer to Appendix C to determine if you have a Shallow End Coved Bottom. If you have a Shallow End Coved Bottom, follow the four easy steps in Appendix C to take measurements (C), (T), (U) and (V). If you do not have a Shallow End Coved Bottom, proceed to Step #7.

## Step 7

### Measuring Horizontal Bottoms and Depth

Refer to Appendix D for instructions on how to take these measurements. Make sure that you are taking measurements of the pool bottom on a horizontal plane. **If you measure the slopes of the pool, you will have an incorrect measurement.** The measurements you take will depend on what style of bottom contour your pool has. Select the bottom contour of your pool from "ILLUSTRATION A (Appendix D)" and measure the length, depth and width of your pool accordingly. Record all measurements in the "Dimensions" section of PAGE 1 of the MEASURING FORM.

## Step 8

### Continue Measuring According to Your Pool Shape Diagram

Refer to your pool shape diagram in Appendix A to complete the rest of the measurements asked for. Record your measurements in the "Dimensions" section of PAGE 1 of the MEASURING FORM.

## Step 9

### Vinyl Covered Step Sections

If your pool has a built-in step section that is covered with vinyl, you must complete PAGE 2 of the MEASURING FORM. Please check the "Vinyl Covered Step Sections" box on PAGE 1 of the MEASURING FORM also.

## Step 10

### Indicate Liner Pattern and Mil Thickness

Choose up to 2 liner patterns and corresponding mil thickness that you would like to receive quotes on.

## Step 11

### Review

Review all of your measurements. Use the provided checklist on page 6 to ensure proper completion of the MEASURING FORM. You are now ready to submit your MEASURING FORM. **Doheny's® will supply you with a money saving quote within 2 business days upon receiving your MEASURING FORM.**

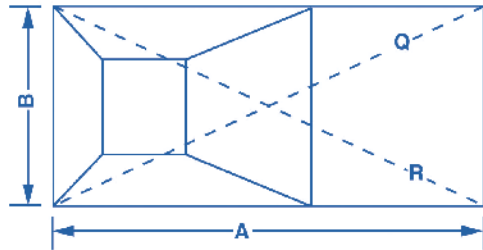


# Appendix A - Pool Shapes

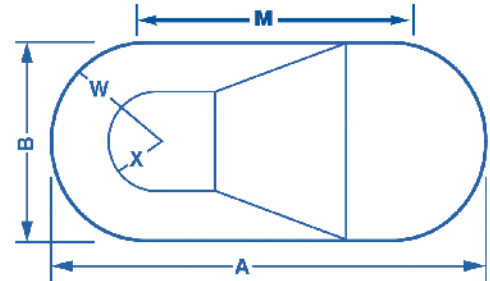
Identify the shape of your pool from the illustrations below. You will need to take all of the measurements indicated (detailed instructions for measuring are in the MEASURING INSTRUCTIONS). You may find it helpful to make an enlarged photocopy of your diagram and write the measurements directly on the diagram. If you do this, remember to accurately transfer ALL of the measurements onto PAGE 1 of the MEASURING FORM.

Please contact us if you do not see your pool shape below: 1-866-DOHENY'S (364-3697)

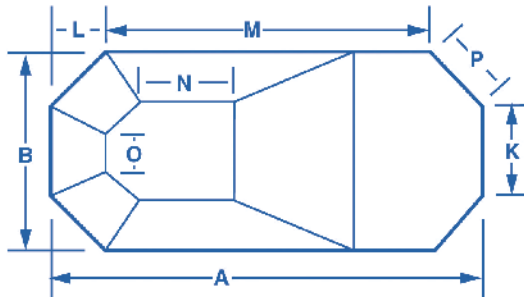
## PD01 - Rectangle



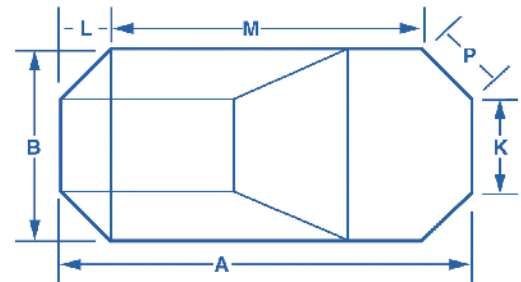
## PD02 - Oval



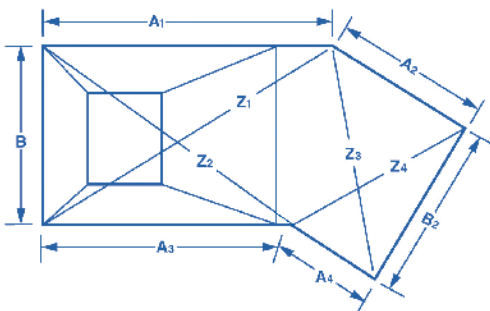
## PD03 - Contour Bottom Grecian



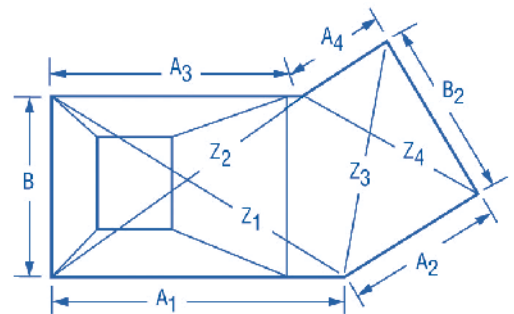
## PD04 - Square Bottom Grecian



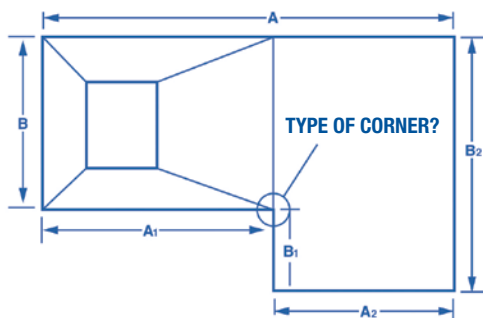
## PD05 - Lazy "L" Left



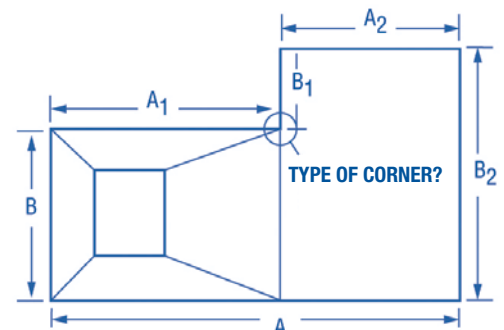
## PD06 - Lazy "L" Right



## PD07 - True "L" Left



## PD08 - True "L" Right

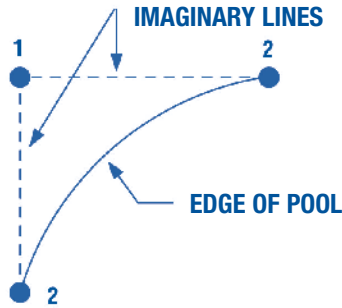


# Appendix B - Corners

Choose your corner type from the illustrations below. Remember to indicate your corner type on PAGE 1 of the MEASURING FORM and to provide the required measurements.

## Radius Corners

Radius corners must be squared before measuring. Use two straight edges to form an imaginary square corner, mark where the edges meet as Point 1. Measure from imaginary corner (Point 1) to Point 2. Refer to the illustration below to correctly measure your radius corners.

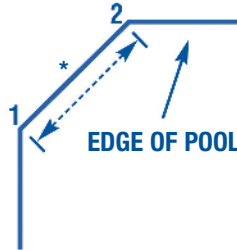


**Point 1:** Imaginary corner where sidewalls would meet if they extended to make a square corner.  
**Point 2:** Break in the curve of the corner.

Record measurement for  
**RADIUS CORNERS** on PAGE 1  
of the MEASURING FORM  
Point 1 to Point 2: \_\_\_\_\_

## Cut Corners

Cut corners must be measured. Refer to the illustration below to correctly measure your cut corners.

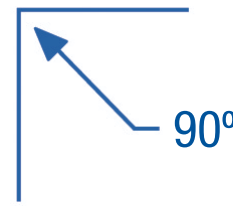


Record measurement for  
**CUT CORNERS** on PAGE 1  
of the MEASURING FORM  
Point 1 to Point 2: \_\_\_\_\_

**\*Note:** Diagonal measurements on Rectangle or Lazy "L" pool shapes are measured from the center point of the cut corner.

## 90° Corners

No additional measurements are required. Select "90 Degree" corner on PAGE 1 of the MEASURING FORM.



# Appendix C - Coved Bottoms

## Step 1

Measure the depth (C) of the shallow end of your pool. Be sure to measure from the bottom of the pool floor to the bead receiver (for beaded liners) OR to the board where the liner is nailed/stapled (for overlap liners). DO NOT measure to the top of the pool if you have a beaded liner, your measurement will be incorrect.

## Step 2

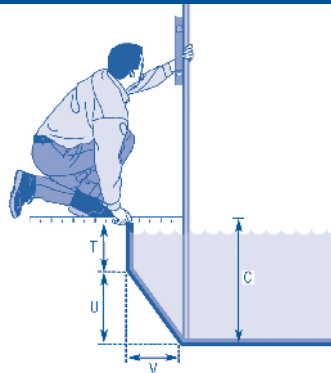
Measure from the bead track (beaded hung liners) or from top of the pool (overlap liners) down to where the cove (T) begins. Subtract (T) from (C) to determine (U).

## Step 3

With a pole, locate the spot where the cove meets the floor. Use a carpenter's level to verify that the pole is vertical. Measure from the pool wall to the pole to determine (V).

## Step 4

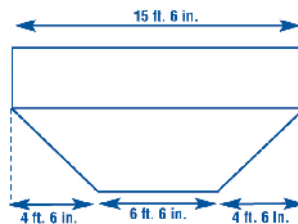
If the cove along the sidewall differs from the end wall cove, please notate on separate drawing.



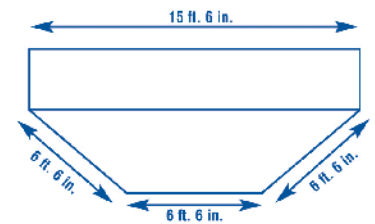
**BE SURE THAT (V) IS A HORIZONTAL MEASUREMENT, DO NOT MEASURE THE SLOPE OF THE COVE.**

We only use measurements parallel to the deck. See the diagram to the left and below for the correct way to measure a coved bottom.

### CORRECT



### WRONG



# Appendix D - Measuring Horizontal Bottoms and Depth

Choose the bottom contour of your pool from the illustration below to determine which measurements you will need to take.

## How Do I Measure the Bottom of My Pool?

You will be able to make horizontal measurements of your pool bottom without entering the pool. Taking these measurements is easier than you think when you use this easy-to-make measuring tool. Follow the instructions below to make these measurements.

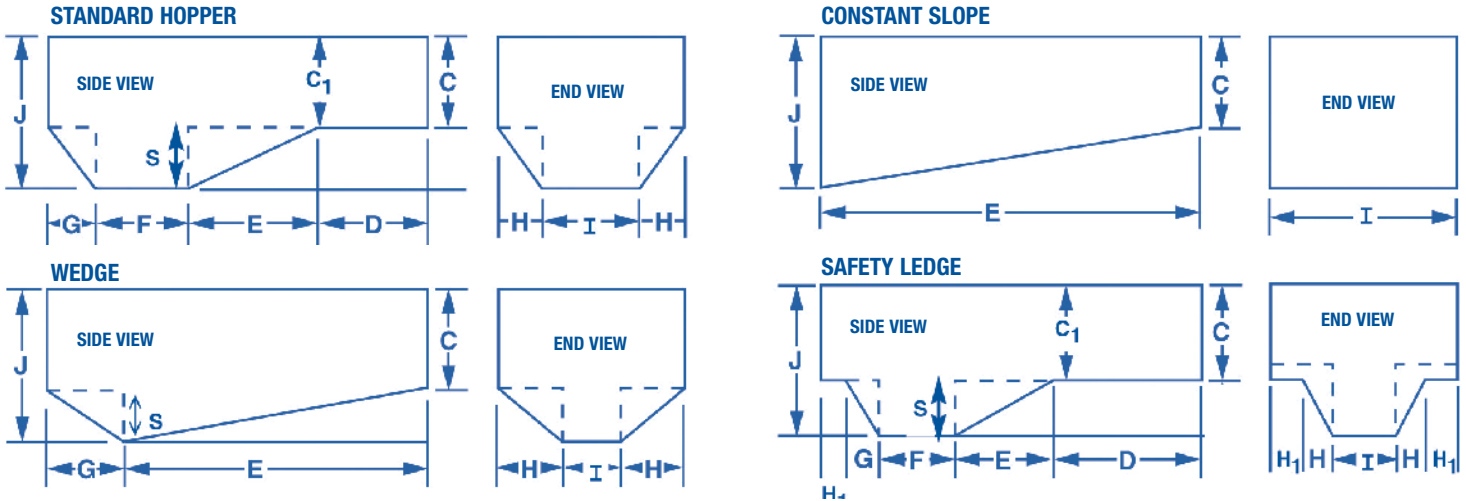
## You Will Need:

1. A long straight pole (telescopic pole)
2. String attached to one end of the pole
3. Some sort of weight tied to the other end of the string.
4. A measuring tape.

Indicate the bottom contour of your pool on PAGE 1 of the MEASURING FORM.

Remember to also record your measurements in the "DIMENSIONS" section on PAGE 1 of the MEASURING FORM.

## Illustration A - Bottom Contour of Pool



END VIEW IS AS IF YOU ARE IN THE DEEP END OF THE POOL LOOKING TOWARD THE SHALLOW END.

## Horizontal Bottom Measurements

Use the pole to find a point on the bottom of your pool. With the pole parallel to the ends of your pool and the string vertical (allow no slack in the string), measure the distance from the edge of the pool (water's edge) to the end of the pole where string is attached. You should locate points that will achieve the desired measurements based on the bottom contour of your pool (pictured above). **For example, to take measurement (H), you would stand on one side of the pool, and locate a corner of the Hopper. You would then measure the distance from the edge of the pool (water's edge) to the end of the pole where the string is attached.**

## Depth Measurements

When taking the depth measurements (C) and (J), be sure to measure from the bottom of the pool floor to the bead receiver (for beaded liners) OR to the to board where the liner is nailed or stapled (for overlap liners). Do not measure to the top of the pool if you have a bead receiver, your measurement will be incorrect.

## Quick Check

**(C + S) must equal (J):** (S) is a difficult measurement to take unless you are inside the pool. It is not necessary to measure (S); it is used mainly as a cross-check to verify measurement (J).

**(D + E + F + G) must equal (A) for a Standard Hopper:** (A) is the length of pool taken in Step #4.

**(E + G) must equal (A) for a Wedge:** (A) is the length of pool taken in Step #1.

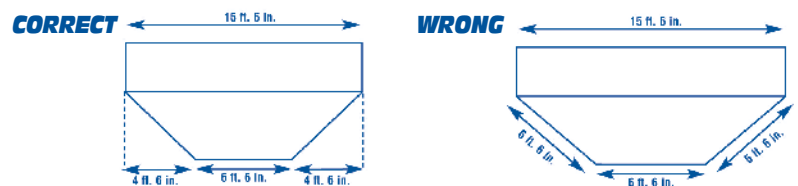
**(D + E + F + G + H1) must equal (A) for a Safety Ledge:** (A) is the length of pool taken in Step #4.

**(H + I + H) must equal (B) for Standard Hopper and Wedge:** (B) is the width of pool taken in Step #4.

**(H1 + H + I + H + H1) must equal (B) for Safety Ledge:** (B) is the width of pool taken in Step #4.

## Are You Measuring the Bottom of the Pool Correctly?

Be sure you are NOT measuring the slopes when taking horizontal bottom measurements. We only use measurements parallel to the deck. See the diagrams below for the correct way to measure.



# Checklist

## ELIMINATE COMMON MEASURING AND REPORTING ERRORS

- Were the floor length and width measurements taken on a horizontal plane? (Measuring the actual slopes will give incorrect readings.)
- Verified every measurement even though the original pool specifications sheet is available? (Quite often pools are not built precisely to the original specs.)
- Were the pool diagonals measured? (The liner manufacturer can adjust the liner to accommodate pools that are not square.)
- Were the corners measured? (A measurement is needed for both radius and cut corners.)
- Did you record the measurements in feet and inches? (Delivery time is delayed if measurements are recorded in either all inches or in metric.)
- In determining pool depths, was the measurement taken from the bead track for beaded hung liners? Measurement taken from the top of the pool for overlap liners?
- Were both depth measurements for (J) and (C) reported?
- If the pool has a safety ledge, was the measurement (H1) reported?
- Was the liner type reported: beaded or overlap?
- If the liner is overlap, was the length of the overlap recorded?
- If the pool has a coved bottom, were all 3 measurements (T, U and V) recorded?
- Was the mil and liner pattern recorded?
- If the pool is an oval, was the total perimeter recorded?

## Commonly Used Terms

- **Standard Shape** – A design that a manufacturer offers a design layout or dig print for.
- **Custom Shape** – A unique design that may have multiple angles or curves usually requiring a more extensive process called an A-B measurement. Certain standard shapes, due to their complexity, may also require an A-B point-to-point measurement.
- **A-B Measurement** – A point-to-point process of measuring a pool whereby a line outside the pool is established with one end of the line labeled “A” and the other labeled “B”. A series of measurements are taken to numerical points around the pool which allow the liner designer to properly proportion the pool perimeter or cover dimensions to the actual design of the pool.
- **Radius** – A curved line or arc of a pool perimeter, pool bottom, or pool step.
- **Diagonal** – 1) A cross dimension that allows the verification as to whether a pool is square.  
2) The “cut” of a pool corner which results in it no longer being square.
- **Step Riser** – The vertical portion of a step that connects each step tread to the one above/below it.
- **Bead** – The vinyl piece on the top edge of your liner that holds it to the pool wall.
- **Liner Bead Track** – The slot below the pool coping where the liner attaches.
- **Hopper** – The flat area in the deep end of the pool.
- **Safety Ledge** – A flat area that extends out from the base of the pool wall before the slope begins. This will appear in the deep end of the pool and wrap around to the shallow end.
- **Cove** – A curved area that creates the transition from the pool wall to the pool floor. This is important to note if it is greater than 2 inches in width.
- **Safety Stripe** – The safety stripe (usually white) that extends across the width of the pool to separate the shallow end from the deep end.



# Installation Instructions (Keep this sheet for future use)

## MATERIALS NEEDED FOR INSTALLATION

Generally, only normal household tools and materials are needed. TOOLS: Screwdriver, utility knife, ice pick, continuous action industrial vacuum cleaner (liner installers usually use 2 cleaners - household shop vac cleaners with the filter removed can be substituted), garden hose, broom and staple gun. OTHER ITEMS: Masking tape, 2 inch non-asphaltic duct tape, rags, and possibly gaskets and gasket cement.

## PREPARATION OF POOL STRUCTURE

1. Check the pool shell and remove all stones, twigs or other objects that might damage the vinyl liner. The deck must be swept clean before removing the new liner from the carton.
2. All wall and corner sidewall seams in metal, plastic or wood pools must be covered with non-asphaltic duct tape.
3. Cement the inside gaskets to skimmer, inlet fittings, etc. prior to liner installation. It is important that all openings are properly sealed. Outside gaskets used under faceplates are not installed until after the liner is in place.
4. Standing water must be removed from the bottom of pool shell. If not removed, the liner will float when being filled with water and the liner fit might be affected.
5. Use duct tape to cover any exposed coping edges, coping clips, or any other sharp edges on the deck area.
6. If the pool bottom is sand, it must be dampened, troweled and firmly tamped. Ideally, there should be 2-3 inches of smooth surface sand (river silt, round #60 mesh or comparable). Install liner while sand is damp. If the pool floor is masonry, it might require smoothing by applying a thin coat of plaster or comparable material.
7. Liners can be installed at any outside temperature, but are most easily handled when the temperature is 60° or higher. If installation is to be done at lower temperatures, store the liner at room temperature for 48 hours or more prior to installation.

## GENERAL INSTRUCTIONS

1. The liner must be hung from the pool deck. Do not get into the shell while hanging! Footprints in sand bottoms will be created and are difficult to smooth out after the liner is in place. Generally 2-4 people are needed for positioning the liner.
2. Place the liner carton on the deck (center of the deep end) so that the arrow is pointing towards the pool. The liner is packed so that it will unfold with a minimum of handling.
3. With 2 people, unfold the liner towards the outside corners of the pool.
4. Locate the shallow end corners which are at the end of the top layer of vinyl. With a person on each corner, grasp a heavy fold of material and walk the liner towards the shallow end. Two additional people will feed the liner.
5. Each person will lower their corner into the pool, taking care that the corners don't drop into the pool shell.
6. Corners should be tight against the sidewall. Verify that the hopper portion is in the deep end and the shallow portion is in the shallow end. Also verify that the liner is right side up.

## SPECIFIC INSTRUCTIONS

### BEADED (INNERLOCK) HUNG LINERS

#### Steps 1A through 1D

- 1A. Locate the exact position of the corners. They are marked with a black line on the underside of the sidewall near the top and directly above the bottom corner. Both the black line and the bottom corner must be positioned in the middle of the shell corner.
- 1B. Using finger pressure, insert the liner bead into the receiving corner channels. Do not use sharp objects or tools to insert the bead.

### OVERLAP HUNG LINERS

#### Steps 1A through 1D

- 1A. Overlap liners are made with enough extra sidewall material to allow for installation. The overlap material should ideally be stapled to the backside of the nailing strip.
- 1B. To properly install the corner, it is necessary that the sealed-in area of the overlap section is in the proper position on top of the nailing strip. The corner must be positioned in the middle of the shell corner. When properly positioned, the square piece of material sealed into the corner will bisect the angle of the corner.

CONTINUED on next page.



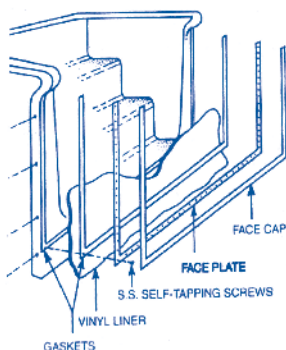
# Installation Instructions (Keep this sheet for future use)

## BEADED HUNG LINERS (continued)

## OVERLAP HUNG LINERS (continued)

- 1C. After the corners are in position, move to the center of either sidewall or endwall. Start inserting the bead into receiving channel working toward the corner. Never work from corner to corner.
- 1D. After inserting all the beading into the receiving channels, recheck the corners to see that they remain in the proper position. Proceed to #2.
2. Gently pull the liner into position so that the bottom fits exactly into the shell. The bottom should lie flat without excessive folds. If walking in the pool, be sure and remove shoes to eliminate shoe prints. Remove any object that might fall between the pool wall and liner.
3. Place small sandbags, or smooth bottomed buckets filled with sand/water, in each corner in the shallow part of the pool. Also place 2 additional sandbags/buckets along the shallow end wall at the point where the wall meets the floor. This procedure reduces the possibility of liner overstretch. Sandbags/buckets should also be placed at the bottom riser if the pool has vinyl covered steps.
4. When the liner is positioned properly, pull away approximately 6 inches of the bead within 12 inches of any corner (if overlap, remove approximately 6 inches of staples). Insert an industrial vacuum cleaner until the hose reaches the bottom of the sidewall (usually 40-42 inches). Close the opening with rags and duct tape. Two vacuum cleaners speeds up liner positioning and also helps the liners fit.
5. Start vacuum cleaner(s). It normally takes 20-30 minutes for the liner to be drawn into place. While the vacuum is running, continue to reposition the liner to eliminate as many wrinkles as possible. If there is too much suction to reposition the liner, turn vacuum off, position the liner, and restart the vacuum. Do not start filling with water until the liner is in perfect position and is held in place by the suction and sandbags/buckets. The addition of water will generally eliminate most small wrinkles. Large wrinkles which fold over are not uncommon and cause no damage to the liner.
6. Start adding water into the deep end with the garden hose. Use a gentle stream of water so that furrows are not made in the sand underneath the liner. Continue to use the vacuum cleaner. After there are several inches of standing water in the deep end, the hose can be turned to full pressure. Leave vacuum on until there are 12 inches of water in the shallow end. It is helpful to slowly pull the vacuum hose upwards as water fills the pool.
7. Install the main drain, if there is one, after 8-12 inches of water has collected in the deep end. With your hands pressing on the liner at the main drain opening, locate the screw holes and puncture with a sharp object. Install the top gasket and faceplate making sure that the faceplate is tightly secured. The center diameter can now be removed with a utility knife.
8. Continue to work out the wrinkles while the pool is filling. Don't fill the pool so fast that the remaining wrinkles can't be removed. Wrinkles are almost impossible to remove once they have been covered with water.
9. Remove the sandbags/buckets when water has reached 6-12 inches in the shallow end of the pool. Continue using the vacuum cleaner until water has neared the top. At this point, the vacuum can be turned off and bead (or overlap) can be reattached. For overlap liners, staples can be removed at any time to facilitate the removal of wrinkles. After the pool has been filled, the overlap material should be restapled at 2-3 inch intervals around the perimeter of the pool.
10. Do not install faceplates for skimmers, inlets, light fixtures, etc. until the water level reaches 3 inches below the opening. Premature installation might result in the liner tearing away from the opening due to stretching as the water level increases. Install faceplates using the same directions as seen in #7.
11. Continue filling pool until the water reaches the desired level.

## Liner Installation for Non-Vinyl Covered Steps



For customers who have steps that are not covered by the vinyl liner, please follow these instructions to complete your liner installation:

1. Using a thin piece of plywood or stiff cardboard, cover the top of the steps section.
2. Use duct tape to seal the wood or cardboard over the steps and seal all openings around the step.
3. When the water is no less than 6" deep in the shallow end, install step gaskets and faceplates using screws that you set aside when you removed the old liner.
4. CAREFULLY use a razor knife to cut out the liner material INSIDE the step faceplates.
5. Install screw covers.



# Measuring Form

**Doheny's**  
**Water Warehouse**



6950 51<sup>st</sup> Street, Kenosha, WI 53144  
(866) 364-3697 Fax (800) 323-5932

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
E-mail: \_\_\_\_\_

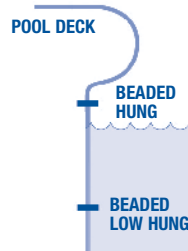
Please record all measurements on this page. Be sure to use BLACK INK and write legibly.

## Liner Type

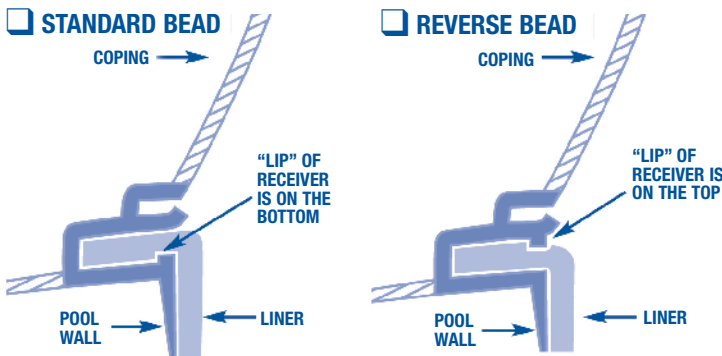
(See measuring instructions Step #1)

- BEADED HUNG  
 BEADED LOW HUNG  
 OVERLAP

How many inches of liner do you need for the overlap? \_\_\_\_\_



If you selected "BEADED HUNG" or "BEADED LOW HUNG," please also indicate below if your liner is a STANDARD or REVERSE bead:



## Pool Shape

(See measuring instructions Step #2)

Enter the pool shape you selected from Appendix A:  
\_\_\_\_\_

Enter the manufacturer or brand name of pool (if available):  
\_\_\_\_\_

## Corner Type

(See measuring instructions Step #3)

Please indicate your corner type below. If your corners are RADIUS (rounded) or CUT (diagonal), enter the measurements below. Refer to Appendix B for instructions on how to measure corners.

- 90 DEGREE (SQUARE) CORNERS No measurements required  
 RADIUS (ROUNDED) CORNERS Point 1 to Point 2: \_\_\_\_\_ inches  
 CUT (DIAGONAL) CORNERS Point 1 to Point 2: \_\_\_\_\_ inches

### Your Signature:

\_\_\_\_\_  
Your signature indicates that you have verified your measurements and that the information you have provided is correct. Your new vinyl liner will be made to these specifications once you place your order. Orders cannot be processed without your signature.

## Dimensions

(See measuring instructions Step #4-8)

Please COPY ALL measurements you have taken to the appropriate spaces below. Note: You may not use all the letters below depending on your pool shape.

A _____ ft. _____ in.	Q _____ ft. _____ in.
B _____ ft. _____ in.	R _____ ft. _____ in.
C _____ ft. _____ in.	S _____ ft. _____ in.
C1 _____ ft. _____ in.	T _____ ft. _____ in.
D _____ ft. _____ in.	U _____ ft. _____ in.
E _____ ft. _____ in.	V _____ ft. _____ in.
F _____ ft. _____ in.	W _____ ft. _____ in.
G _____ ft. _____ in.	X _____ ft. _____ in.
H _____ ft. _____ in.	A1 _____ ft. _____ in.
H1 _____ ft. _____ in.	A2 _____ ft. _____ in.
I _____ ft. _____ in.	A3 _____ ft. _____ in.
J _____ ft. _____ in.	A4 _____ ft. _____ in.
K _____ ft. _____ in.	B1 _____ ft. _____ in.
L _____ ft. _____ in.	B2 _____ ft. _____ in.
M _____ ft. _____ in.	Z1 _____ ft. _____ in.
N _____ ft. _____ in.	Z2 _____ ft. _____ in.
O _____ ft. _____ in.	Z3 _____ ft. _____ in.
P _____ ft. _____ in.	Z4 _____ ft. _____ in.

## Bottom Contour

(See measuring instructions Step #7)

Enter the bottom contour you selected from Appendix D:  
\_\_\_\_\_

## Vinyl Covered Step Sections

- If you have a step section that is covered by the vinyl liner, check this box. You must also complete the following page of this measuring form, and fax or mail it with this page.

## Liner Pattern

(See measuring instructions Step #10)

If you would like to receive Pattern Name: \_\_\_\_\_  
quotes on more than one pattern, please list both patterns and mils.  
 20 mil  28 mil  28/20 mil

NOTE: Overlap liners do not have a tile border.

Doheny.com



# Measuring Form (continued)



6950 51<sup>st</sup> Street, Kenosha, WI 53144  
(866) 364-3697 Fax (800) 323-5932

Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
 E-mail: \_\_\_\_\_

## Vinyl Covered Steps

COMPLETE THIS PAGE ONLY IF YOU HAVE STEPS THAT WILL BE COVERED BY THE LINER

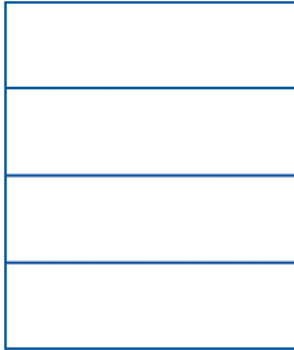
Please record all measurements on this page. Be sure to use BLACK INK and write legibly.

### What Type of Back Corners?

Refer to the illustration of CORNER TYPES below to determine the type of corners on your step section.

Please circle one:  
 Cut 90 Degree Radius  
 (Diagonal) (Square) (Rounded)  
 Provide measurements below for cut or radius corners.

STEP SECTION TOP VIEW  
DECK / TOP STEP



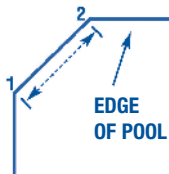
### What Type of Front Corners?

Please circle one:  
 Cut 90 Degree Radius  
 (Diagonal) (Square) (Rounded)  
 Provide measurements below for cut or radius corners.

POOL / BOTTOM STEP

## Corner Types

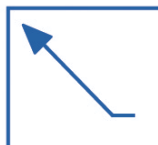
#### CUT CORNERS



Record measurements for CUT CORNERS

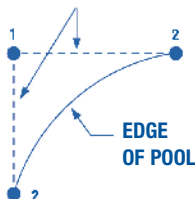
Front Corners  
 Point 1 to Point 2: \_\_\_\_\_  
 Back Corners  
 Point 1 to Point 2: \_\_\_\_\_

#### 90° DEGREE (SQUARE)



No measurements required for SQUARE CORNERS

#### RADIUS / ROUNDED

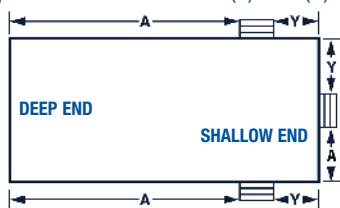


Record measurements for RADIUS / ROUNDED CORNERS

Front Corners  
 Point 1 to Point 2: \_\_\_\_\_  
 Back Corners  
 Point 1 to Point 2: \_\_\_\_\_

### What is the Step Position?

Please circle the position that best describes the location of your step and provide measurements (Y) and (A). Top view of pool shown.

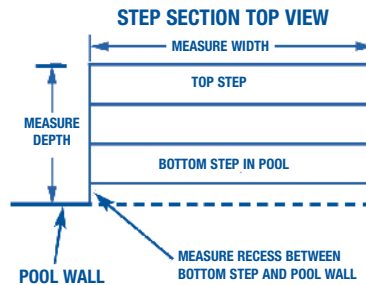


Record measurements (Y) and (A):

Y= \_\_\_\_\_ ft. \_\_\_\_\_ in.  
 A= \_\_\_\_\_ ft. \_\_\_\_\_ in.

### Is Step Section Flush or Recessed?

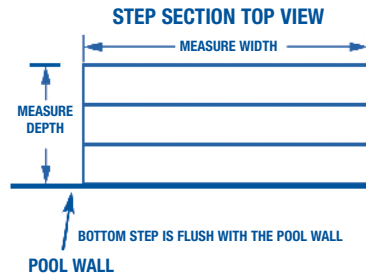
Please refer to the illustrations below and choose which best describes your step section. Provide measurements as indicated by the diagram of your step section.



#### Recessed Step

Record measurements for a RECESSED STEP

Width: \_\_\_\_\_  
 Depth: \_\_\_\_\_  
 Recess: \_\_\_\_\_



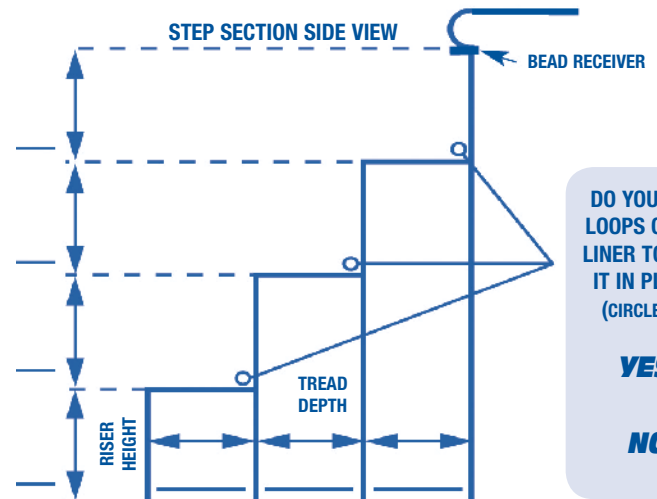
#### Flush Step

Record measurements for a FLUSH STEP

Width: \_\_\_\_\_  
 Depth: \_\_\_\_\_

### Measure the Risers and Treads

Measure the HEIGHT of the risers and the DEPTH of the treads. To check your measurements, verify that the sum of all the riser heights equals the WALL HEIGHT (wall height is equal to measurement (C) on PAGE 1). Verify that the sum of all the tread DEPTHS equals the TOTAL STEP SECTION DEPTH (depth was measured above).



DO YOU NEED LOOPS ON THE LINER TO HOLD IT IN PLACE? (CIRCLE ONE)

YES

NO