



LINER MEASURING MADE EASY

ALL LINER PRICES ARE QUOTED BASED ON THE ACCURATE MEASUREMENTS YOU PROVIDE AND THE PATTERN YOU SELECT

Please read all instructions BEFORE you attempt to begin measuring.

General Instructions to Avoid Common Measuring Errors

- Draining your pool will make the measuring process easier, however, it is not required. Most measurements can be easily taken from outside of the 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 mailing 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 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 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, 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.
- Mail your completed Measuring Form(s) to IN THE SWIM, 320 Industrial Drive, West Chicago, IL 60185. Or fax to: 1-800-766-5329.

MEASURING 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 those provided in DIAGRAM 4: POOL SHAPES. Record your pool shape on PAGE 1 of the MEASURING FORM, then proceed to Step #3.

If your pool shape is not shown on DIAGRAM 4, please refer to DIAGRAM 5: OTHER POOL SHAPES and follow the directions for selecting your shape. Proceed to Step #3 once you have the diagram of your pool shape.

You will refer to your pool shape diagram often throughout the measuring process, so keep it handy.

Step #3: Corner Type

Refer to DIAGRAM 1 to select the corner type on your pool. Record your corner type and the measurements indicated on PAGE 1 of the MEASURING FORM.

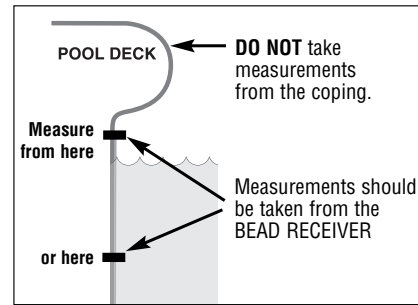
Note: If you have more than one type of corner on your pool (such as with a Lazy “L” pool), please include a sketch of your pool indicating each corner type and the appropriate measurement along with the rest of the measuring forms.

MEASURING INSTRUCTIONS (continued):

Step #4: Measure 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 2 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 #3.)

Refer to the diagram of your pool shape in DIAGRAM 4: POOL SHAPES 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 rounded (radius) or cut (diagonal), be sure to measure to squared corners. Refer to DIAGRAM 1: MEASURING WITH CORNERS for instructions on measuring to squared corners.

Record your measurements in the “Dimensions” section of PAGE 1 of the MEASURING FORM.

Step #6: Measuring Shallow End Coved Bottoms

Refer to DIAGRAM 2 to determine if you have a Shallow End Coved Bottom.

If you have a Shallow End Coved Bottom, follow the four easy steps in DIAGRAM 2 to take measurements (C), (T), (U) and (V).

If you do not have a Shallow End Coved Bottom, proceed to Step #7.

Step #7: Horizontal Measurements of Pool Bottom and Depth Measurements

Refer to DIAGRAM 3: HORIZONTAL MEASUREMENTS OF POOL BOTTOM AND DEPTH MEASUREMENTS 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 D: Bottom Contour 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 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 Gauge

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

Step #11: Review, Re-Read & Relax!

Review all of your measurements, being sure that all of the “Quick Checks” along the way are correct.

Re-Read all of the General Instructions and Steps to be sure you haven’t overlooked any required measurements.

Relax! Sit back and wait for your customized liner quote – you’re on your way to replacing your liner with a new liner from In The Swim®!

Diagram 1

Measuring With Corners

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

Instructions for STEP #5: MEASURING DIAGONALS (Q and R) For Rectangle and (Z1, Z2, Z3, Z4) for "Lazy L" Pools:

When measuring Diagonals for pools with radius (rounded) or cut (diagonal) corners, be sure to measure from Point 1, NOT the edge of the pool!

Point 1 = Imaginary Corner where Sidewalls would meet if they were extended to make a square corner.

Cut Corner **Radius Corner**

CUT CORNERS (Diagonal)

Cut corners must be measured. Refer to Illustration A to correctly measure your cut corners.

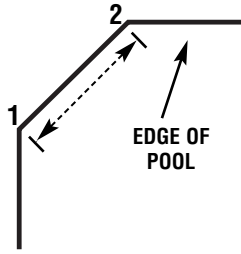


Illustration A

Record this measurement for CUT CORNERS on PAGE 1 of the MEASURING FORM: Point 1 to Point 2: _____

90 DEGREE CORNERS (Square)

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



Illustration C

RADIUS (Rounded) CORNERS

Radius corners must be squared before measuring. Use 2 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 Illustration B to correctly measure your radius corners.

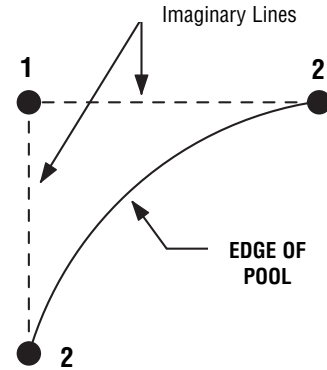


Illustration B

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 these measurements for RADIUS CORNERS on PAGE 1 of the MEASURING FORM: Point 1 to Point 2: _____

Diagram 2

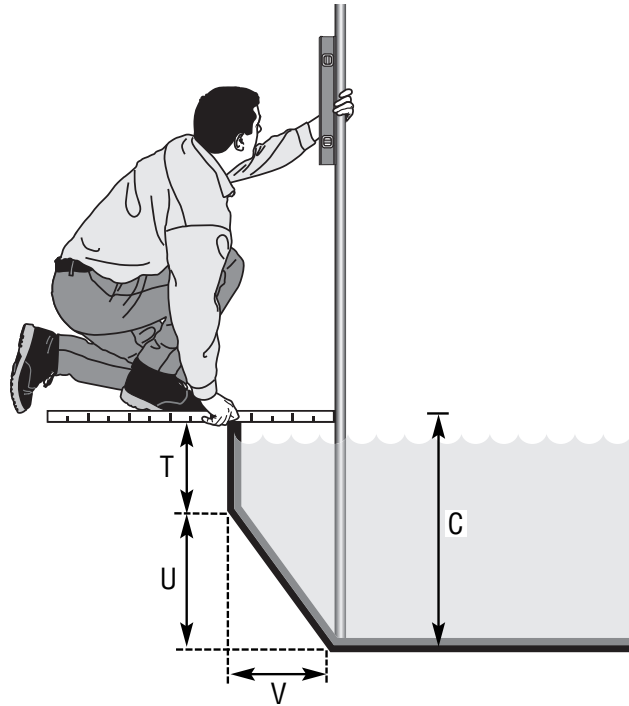
Shallow End Covered Bottom

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

STEP C: 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 D: If the cove along the sidewall differs from the end wall cove, please notate on separate paper and include with the measuring form.



TIP!

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 diagrams to the right for the correct way to measure a coved bottom.

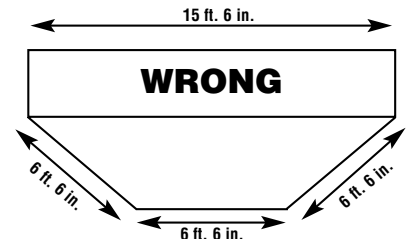
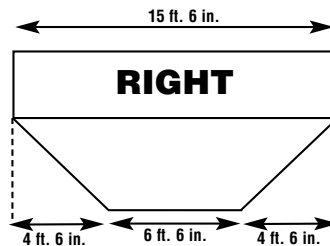


Diagram 3

Horizontal Measurements of Pool Bottom and Depth Measurements

BOTTOM CONTOUR

Choose the Bottom Contour of your pool from Illustration D 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 may think, when you use this easy-to-make measuring tool.

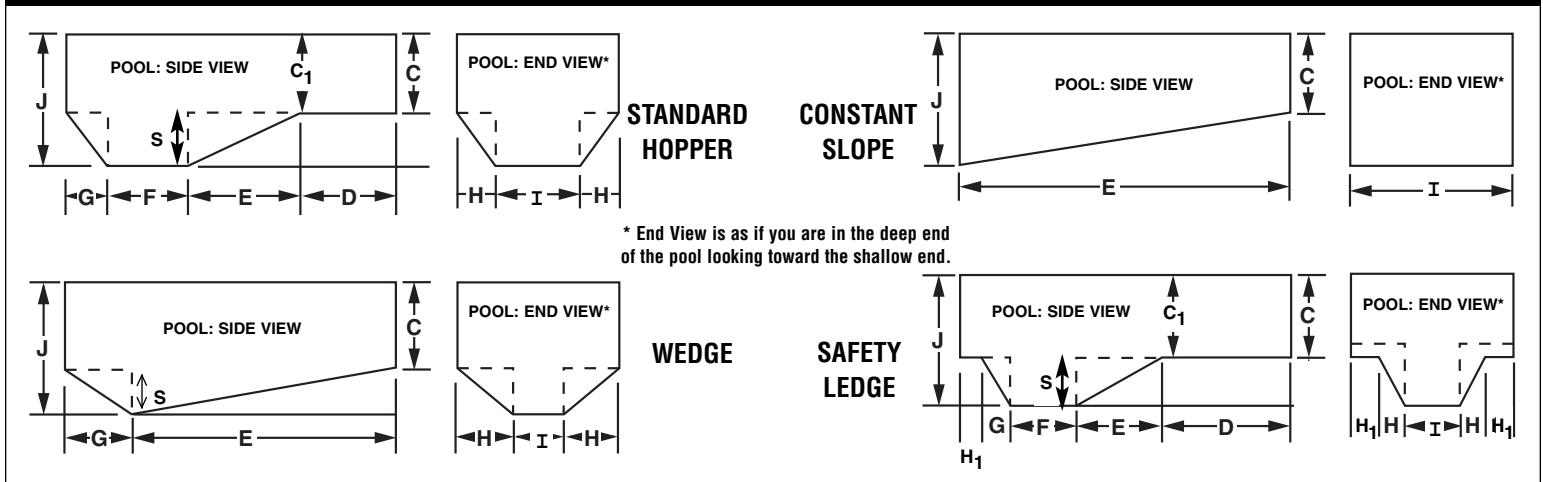
YOU WILL NEED:

1. A long straight pole (telepole)
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

Follow the instructions below, using your fishing pole, to make these measurements.

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 D: Bottom Contour



Horizontal Bottom Measurements: Use your “fishing pole” to “fish” for a point on the bottom of the pool. With the pole parallel to the ends of the 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 “fish” for 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 “fish” for 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 (note: 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 YOUR 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 at right for the correct way to measure a coved bottom.

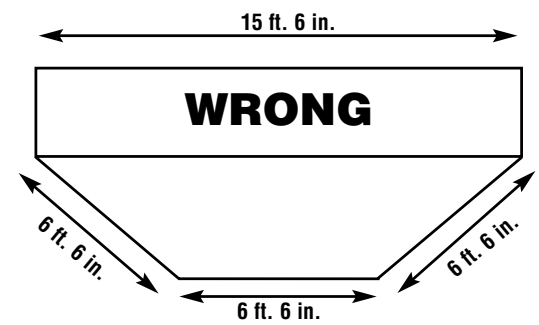
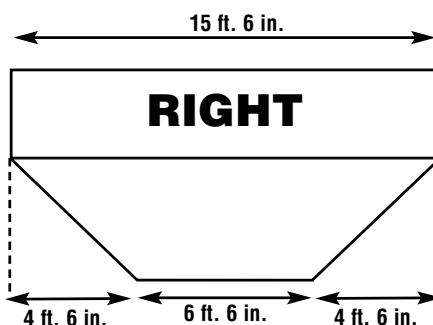


Diagram 4: Pool Shapes

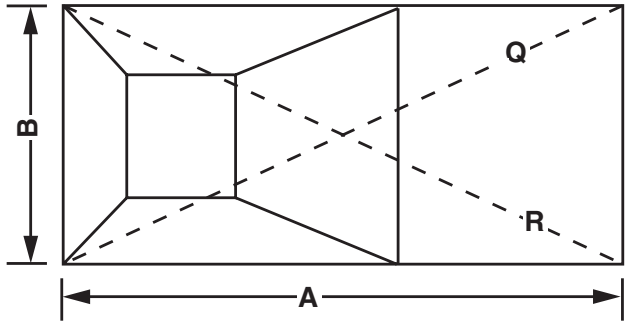
Identify the shape of your pool from the illustrations below. You will need to make all of the measurements indicated (detailed instructions for measuring are in the MEASURING INSTRUCTIONS). You may find it helpful to make an enlarged photocopy of your diagram and write the measurements directly on the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

If you have any unusual features on your pool that extend into the pool (such as a built-in spa, fountain or water feature, etc.) you will need to draw these on the diagram, take measurements and send us the diagram along with the rest of your measuring form. It is also helpful to include photos of these types of unusual features.

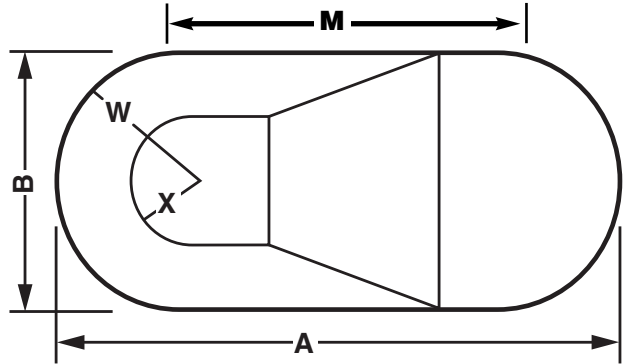
What if My Pool Shape Is Not Illustrated Below?

If you do not see your pool shape below, look at the illustrations of OTHER POOL SHAPES in DIAGRAM 5 and follow the instructions.

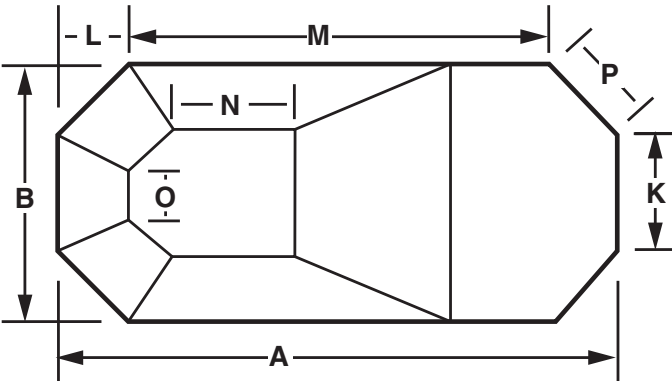
RECTANGLE



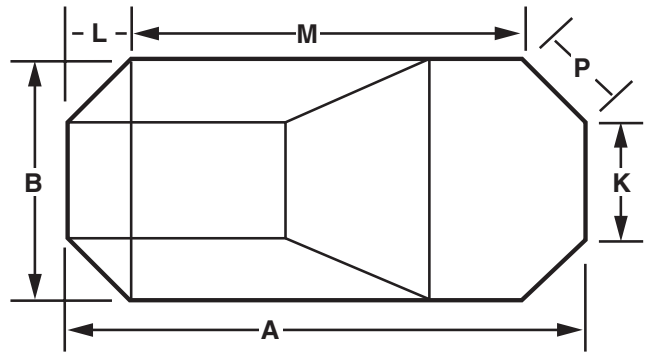
OVAL



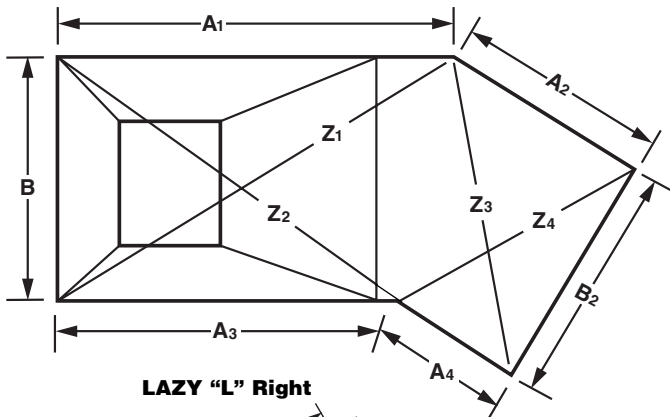
CONTOUR BOTTOM GRECIAN



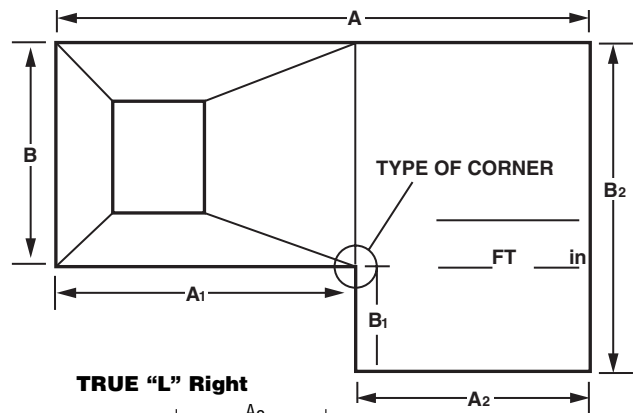
SQUARE BOTTOM GRECIAN



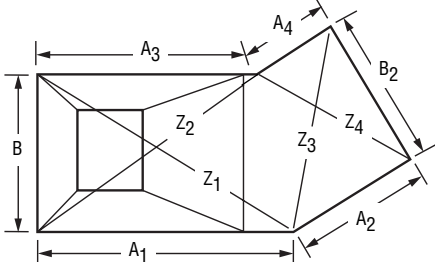
LAZY "L" Left



TRUE "L" Left



LAZY "L" Right



TRUE "L" Right

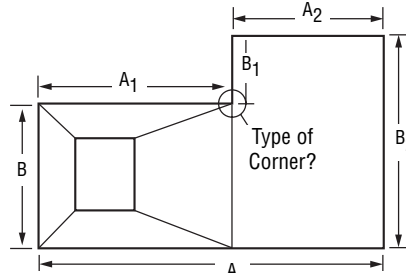

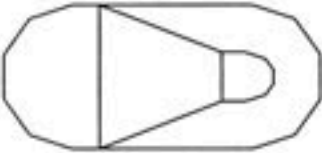
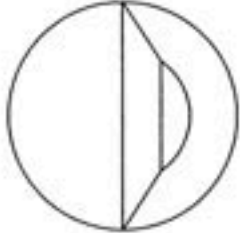
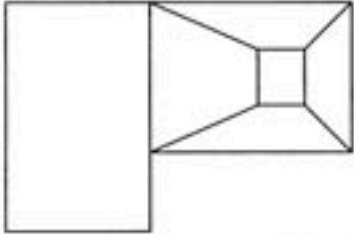
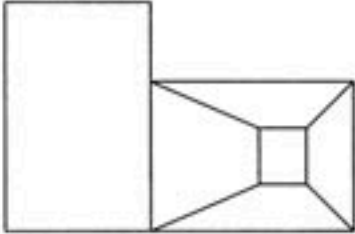
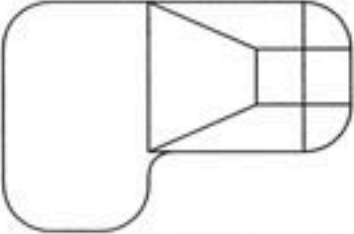
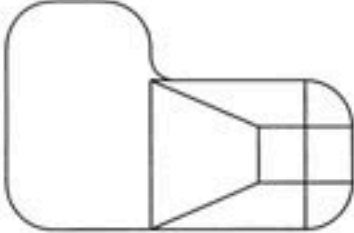
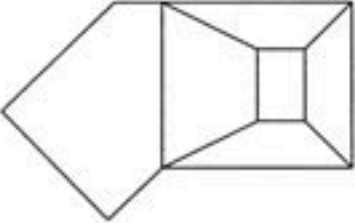
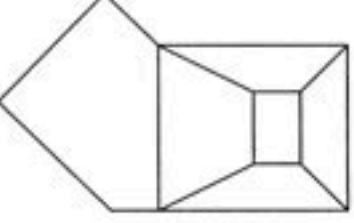
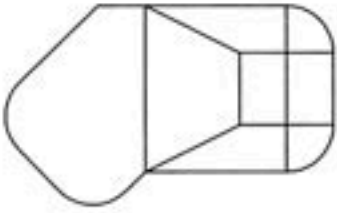
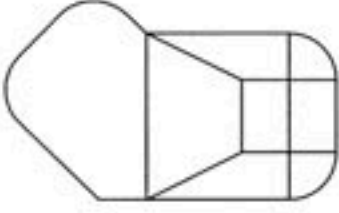
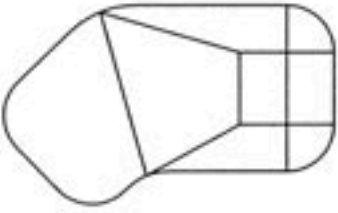
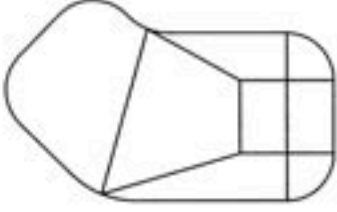
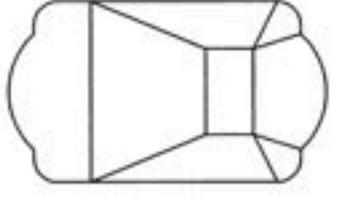
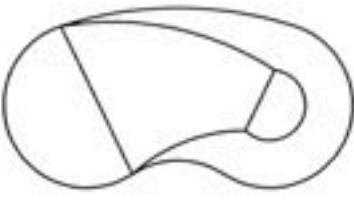
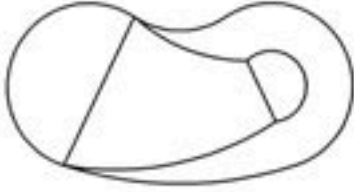

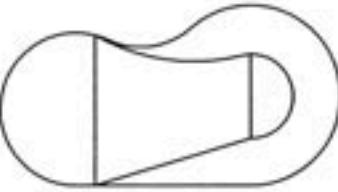


Diagram 5: Other Pool Shapes

If you did not find your pool shape in Diagram 4, find your pool shape on this page. Call us at **1-800-288-7946** (or fax us at 1-800-766-5329) with the drawing reference number of your pool shape (DWG-00-xxx). We will mail or fax you a full size page of your pool shape diagram marked with the required measurements you need to make. You can then proceed with measuring your pool, recording the measurements directly on the diagram provided, rather than on PAGE 1 of the MEASURING FORM.

Note: You will still need to follow the rest of the steps in the Measuring Instructions and fax in PAGE 1 of the MEASURING FORM with the required information for an estimate on your liner.

If your pool shape is not pictured here, please call us at **1-800-288-7946** for assistance.

DWG 00-203		DWG 00-302		DWG 00-303	
DWG 00-401		DWG 00-402		DWG 00-403	
DWG 00-404		DWG 00-501		DWG 00-502	
DWG 00-503		DWG 00-504		DWG 00-505	
DWG 00-506		DWG 00-601		DWG 00-701	
DWG 00-702		DWG 00-703		DWG 00-704	



In The Swim®
1-800-288-7946
 fax: 1-800-766-5329
 www.intheswim.com

NAME _____
 ADDRESS _____
 CITY _____ STATE _____ ZIP _____
 PHONE (____) _____ (____) _____
 HOME WORK
 FAX (____) _____

MEASURING FORM - Pg. 1

Enter Code Below

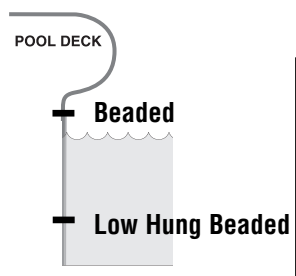
Please record all measurements on this page.
 Be sure to use **BLACK INK** and write legibly.

IMPORTANT! In order to better serve you,
 please enter the code from the blue box on the back
 page of your catalog in the space to the right.

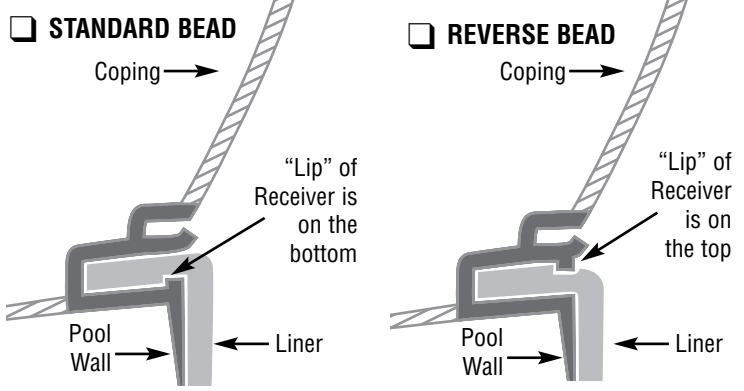
Liner Type:

(See Measuring Instructions Step #1)

- BEADED**
- LOW HUNG BEADED**
- OVERLAP**
 (how many inches of liner do you need
 for the overlap? _____)



If you selected "BEADED" or "LOW HUNG BEADED," 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 DIAGRAM 4:

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 Diagram 1 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 Steps #4-8)

Please transfer all of the measurements you have taken into 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 Diagram 3:

Vinyl Covered Step Sections:

(See Measuring Instructions Step #9)

If you have a step section that is covered by the vinyl liner, check this box. You must also complete the reverse side of this measuring form, "PAGE 2," and fax or mail it with this page.

Liner Pattern:

(See Measuring Instructions Step #10)

If you would like to receive quotes on more than one pattern, please list both patterns and gauges below. **NOTE:** Overlap liners **do not** have a tile border:

Pattern Name: _____
 20 Gauge 30 Gauge

Pattern Name: _____
 20 Gauge 30 Gauge



In The Swim®
 1-800-288-7946
 fax: 1-800-766-5329
 www.intheswim.com

NAME _____
 PHONE (____) _____ (____) _____
 HOME WORK
 FAX (____) _____

MEASURING FORM - Pg. 2

Vinyl Covered Steps

Complete this page **ONLY** if you have steps that will be covered by the liner!

1 What type of BACK CORNERS? This refers to the corner at the back of the stair on the top riser as indicated in the Step Section . Refer to the common corner types to determine the type of corners on your pool. Use the space provided to record your measurement.	BACK CORNERS		COMMON CORNER TYPES		
	CORNER TYPE:	SIZE	Use the chart below as a reference to the corners on your pool and the dimensions required for the particular corner type..		
	<input type="checkbox"/> SQUARE		90° (Square) No measurements required.	RADIUS (Round) Measure the distance from point (1) to point (2). Continue the side wall of the pool to create an imaginary corner.	CUT CORNER Measure the distance from point (1) to point (2).
	<input type="checkbox"/> RADIUS				
<input type="checkbox"/> CUT-OFF					

2 Is the step FLUSH or RECESSED? If the bottom riser is flush with the wall indicated in the STEP SECTION , check the FLUSH option. If not, the type and size of corner must be provided. (see RECESSED CORNER)	RECESS CORNER		<input type="checkbox"/> RECESSED	<input type="checkbox"/> FLUSH
	CORNER TYPE:	SIZE		
	<input type="checkbox"/> SQUARE		Measure the RECESS between the bottom step and pool wall. Record Measurement _____	If step is FLUSH , no measurements are needed. Don't forget to check the appropriate box.
	<input type="checkbox"/> RADIUS			
<input type="checkbox"/> CUT-OFF				

MEASUREMENTS	
W	
D	
WH	
R1	
R2	
R3	
R4	
T1	
T2	
T3	
X	
Y	

Record all the measurements in the boxes provided. 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 (WH)**. Also, verify that the sum of all the **TREAD DEPTHS** equals the **TOTAL STEP SECTION DEPTH (D)**.

4
What is the STEP POSITION?

 Please circle the position that best describes the location of your step and provide the measurements (X) and (Y).

