

MEASURING FOR A HOT TUB COVER

Your new cover will be made to the dimensions you provide. Since you are responsible for accurate measurements, we strongly encourage you to use a tape measure and measure twice to be sure of your figures. Dimensions are best taken for the spa itself, not the old cover. If your old cover fit correctly, compare your measurements to those of your old cover for verification.

BEFORE YOU BEGIN

TOOLS NEEDED

- A. Carpenter Square
- B. Measuring Tape

SPA CONFIGURATION

Determine the configuration of your particular spa. The configuration of your spa will dictate the measuring points for your spa. *See Section II.*

SPA SHAPE

The shape of your spa will also determine your measurements. The rounded-corner rectangle shape is used throughout this guide; however, be sure to review Section III to determine your spa's shape.

SPA MEASUREMENTS

Radius - If your spa features curved corners, you will need to measure the radius of those corners. We recommend that you use a carpenter's square. *See Section I* on measuring a radius. Radius figures are rounded down to the nearest inch.

LENGTH/WIDTH

Length and width measurements are taken in inches and are rounded up to the nearest ½". When measuring the length and width, allow for a little overlap (½" - 1" more for the overall length and width). A spa cover that is a little larger than the acrylic shell will work just fine, but a cover that is too small will be tight or may not fit at all.

CUT-OUTS

Make sure that you document and inform us if your spa has a handrail or other protrusions above the rim. This will result in the need for a cutout, flap, or hood to make the cover work properly.

NOTE:

Covers over 96" length or width are considered oversize and incur additional costs.

I. MEASURING THE RADIUS OF A ROUNDED CORNER

If your spa features rounded corners, you will need to factor the radius of the corners into your dimensions. Here's how:

- A. Measure the overall width "A"
- B. Measure the overall length "B"
- C. Determine the radius "C" as shown in Figure 1B

Place a carpenter's square on the outside corner of the spa. The distance between the square's inside corner (X) and the point where it first touches the spa (Y) equals the radius of the spa's curved corner (As represented by the red shaded area shown in Figure 1A).

Round your radius measurement down to the nearest inch. A smaller radius will always fit your spa - a radius figure that is too large may fit tight, or may not fit at all.

DETERMINE THE HINGE-FOLD

It is the same length as the measurement "A". Measurements "A" and "B" are in inches, rounded up to the nearest 1/2".

FIGURE 1A

Measuring the radius of a curve

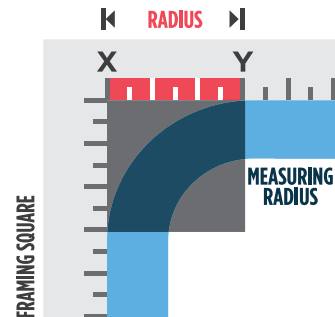
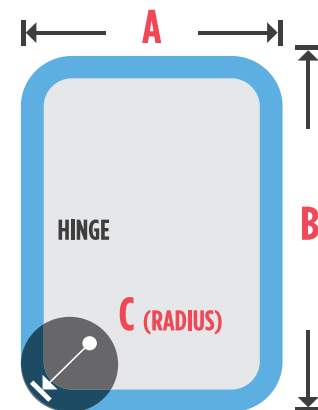


FIGURE 1B



Measure in inches:
Round A&B up to Nearest 1/2"
Round radius C down to nearest 1/2"

II.DETERMINING SPA CONFIGURATION

Spas are built in different shapes and sizes. They are also built in different configurations. There are at least 4 basic configurations as follows:

- A. Spa cabinets with a wooden-edge rim
- B. Spa cabinets with the acrylic shell overhanging the cabinet
- C. Inset acrylic spas
- D. In-ground custom gunite Spas

A. SPA CABINET WITH WOODEN-EDGE RIM

This spa configuration consists of a wooden edge surrounding the outside of the acrylic shell lip. You have a choice as to how your spa cover fits:

CHOICE X

Skirt conceals only the acrylic shell lip and sits on top the wooden edge.

If you prefer your spa cover skirt to sit on top of the wooden edge, measure the length/width of the acrylic shell. Then, measure skirt length. This is done by measuring the height from which the shell protrudes from the cabinet, as illustrated for X in Figure 3.

Make skirt length (X) about $\frac{1}{4}$ " - $\frac{1}{2}$ " shorter than the distance from the top of the spa shell to the top of the wooden edge rim, so that the skirt does not bunch up against the wooden edge of the spa cabinet. This will allow the cover to seat properly against the shell.

FIGURE 2

Measuring spa configuration with cabinet and wooden-edge trim.

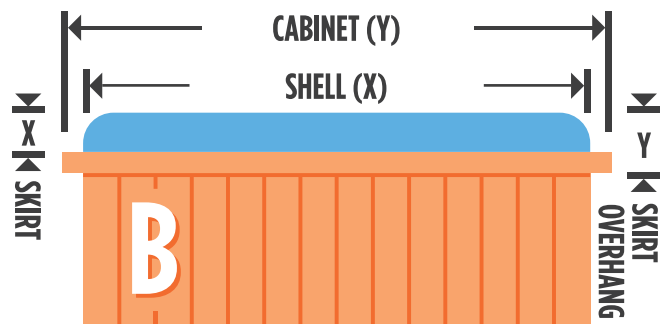
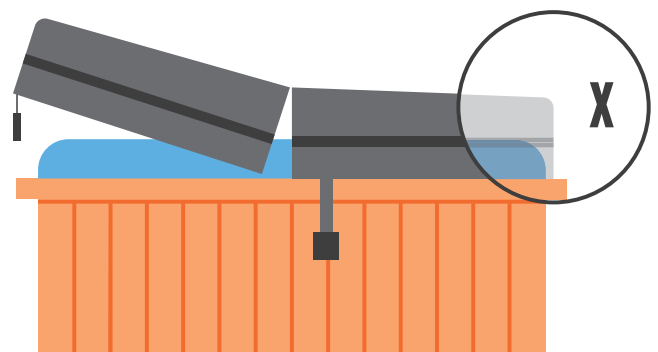


FIGURE 3

Spa cover fits shell.



CHOICE Y

Skirt conceals the shell lip and overhangs the wooden cabinet edge rim.

If you prefer to have your spa cover's skirt overhang the wooden edge then measure the length/width of the cabinet (see Figure 2). This makes a slightly larger cover than example X.

Determine the skirt length so it is long enough to cover the wooden edge, as shown in Figure 3. To do this, measure from the top of the spa shell to the bottom of the wooden edge rim, as shown in Skirt Overhang in Figure 2.

B. SPA SHELL OVERHANGS SPA CABINET

Measure the length/width of the cabinet (see Figure 2).

Then, determine the skirt length so it is long enough to cover the lip of the shell, as shown in Figure 4. To do this, measure from the top of the spa shell to the bottom of the spa shell, as shown in Figure 5. A 3" cover skirt length is normally ideal; however, you can specify any length you require.

FIGURE 4

Spa cover fits cabinet.

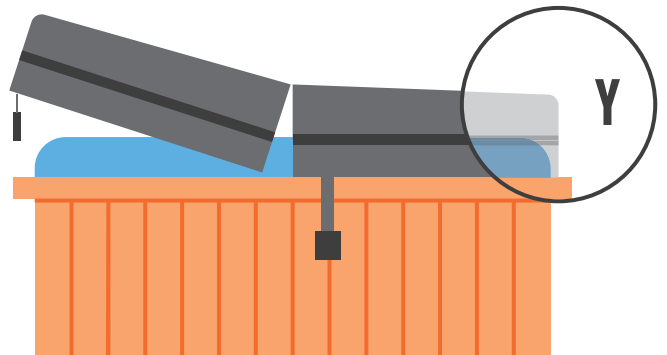
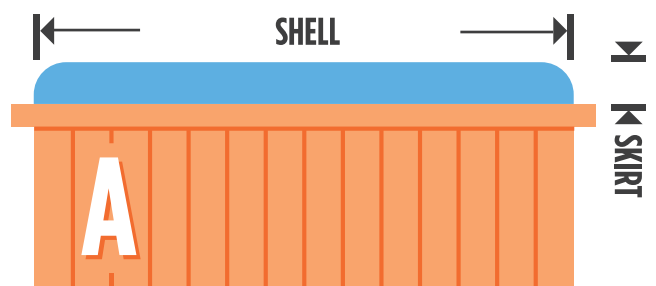


FIGURE 5

Spa shell overhangs cabinet.



C. INSET ACRYLIC SPA

Determine the outside overall measurements of the spa shell's length and width.

Then, determine the skirt length by measuring the height from which the shell protrudes from the deck.

Make the skirt length about $\frac{1}{2}$ " shorter than the distance from the top of the spa shell to the top of the deck, so that it does not bunch up against the deck surface.

FIGURE 6A

Acrylic spa shell built into deck.



FIGURE 6B

Measuring acrylic spa shell built into deck.

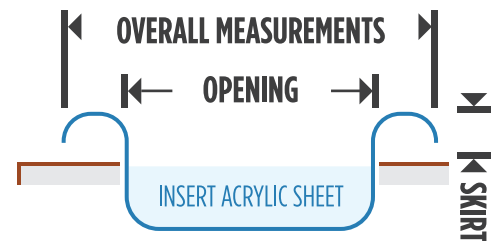
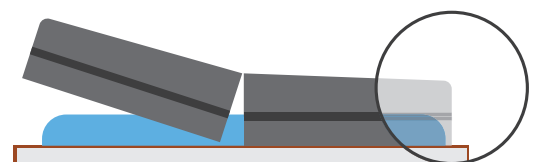


FIGURE 6C

Skirt length for acrylic spa shell built into deck.



D. IN-GROUND GUNITE SPA

Determine the outside overall measurements of the spa shell's length and width.

Add at least 6" to 8" to the overall opening dimensions (length and width) so the cover will be supported properly and extend past the spa opening at least 3" to 4" on all sides (see Figure 7a).

Example: the spa opening measures 70" x 80"; the cover order would be for 78" x 85".

This type of cover is typically ordered without a skirt (see Figure 7b).

FIGURE 7A

In-ground gunite spa measurement.

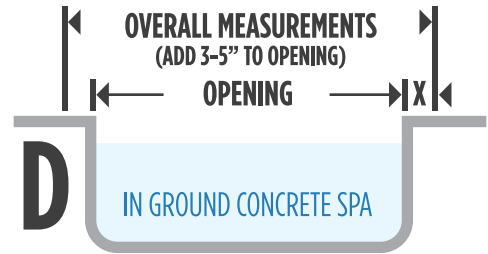
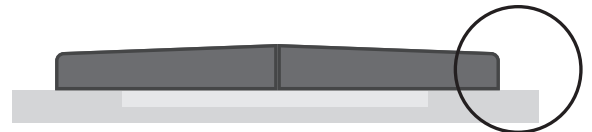


FIGURE 7B



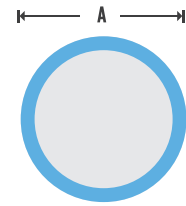
III.DETERMINING SPA CONFIGURATION

The rounded-square shape is the example used throughout this instruction booklet; however, you may have a spa shaped differently. Below illustrates other various shapes and how to measure them. Remember, you must also take your spa configuration into account while measuring.

ROUND

Measure the diameter across the spa (8A).

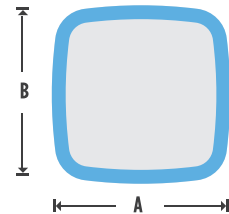
FIG. 8A



ELLIPTICAL

Measure the overall width of A and B. Round up to the nearest 1/2" (8B).

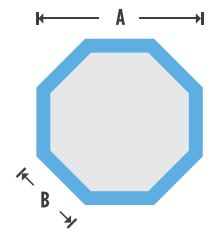
FIG. 8B



EQUAL-SIDED OCTAGON

Measure the overall width of A and the sides B. Round up to the nearest 1/2" (8C).

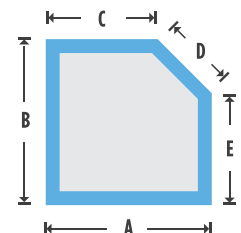
FIG. 8C



HEXAGON

One Cut Corner: Measure the overall width of A, and sides B, C, D, & E. Round up to the nearest 1/2" (8D).

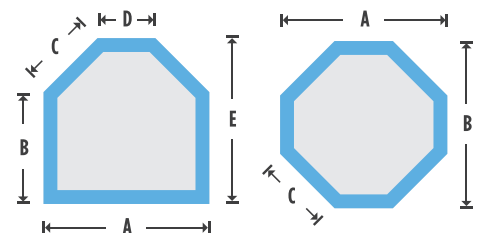
FIG. 8D



Two-Cut Corners: Measure the overall width of A, and sides B, C, D, & E. Round up to the nearest 1/2" (8E).

FIG. 8E/8F

Four-Cut Corners: Measure the overall width of A and the overall length of B (do not include the distance between the cut corners). Measure the corner length C (8F).



TEMPLATES FOR SPECIAL SHAPES

Spas and hot tubs of an unusual shape, non-symmetrical or In-ground free-form, will require a full size template in order to make a properly fitting, perfect cover. A template is simply a full size tracing of the actual shape and size the cover will be made to.

The best material for making a template is a clear piece of plastic. A 2mil - 4mil thick painting drop cloth, available from any hardware store works just fine.

Carefully stretch the plastic across the spa, making sure it's taut with no wrinkles. Using thumb tacks or tape hold the plastic securely in place.

With an indelible marker (sharpie) carefully trace the outline of the desired cover. Remember, the cover will be made to the shape you trace (we'll straighten out any waviness in the lines). Do not trace the opening of the spa, or the cover will fit inside the spa. For In-ground (concrete) spas the cover should overlap the edge of the spa at least 2" (More overlap will lessen the chance of the cover falling into the spa when being put back on).

Draw a dotted line to indicate the direction and approximate location of the fold (We'll center the fold on covers that are up to 8' across. Larger covers will be in two pieces, with each piece folding in half).

While the plastic is still stretched across the spa, write your name, phone number and "This is the top" on the top surface of the plastic so we know which side is up and your cover does not arrive upside down.

If you want only a partial skirt, indicate its location and length. If there's no skirt, or a skirt that encompasses the entire perimeter of the spa cover, this can be omitted from the template.

Indicate the location of any handles, and the location and length of any tie-downs.

FIGURE 9

