



GENERAL MEASURING GUIDELINES FOR ALL POOL COVERS

- Measuring a pool will be easier if you have another person helping you.
- Never assume a pool is standard. All pools are different. Most importantly, measure each pool for an exact fit. 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.
- When measuring pools, do not make allowances for weather conditions or temperature
- Supply all measurements in feet and inches with appropriate marks (' and "), rounding up to the nearest quarter-inch on liner-covered features, such as steps, ledges, and benches. Round up to the nearest half-inch on all other measurements. **Good Example: 17' 11 1/2"** - **Bad Example: 17.5**
- Follow the "step-by-step" measuring instructions carefully, referring to all diagrams to ensure accurate measurements.
- Remember to include your name, pool location address, phone and fax numbers, and email address on each page that you send to Doughboy Vinyl Technologies. You must also sign off on an approval drawing before we can begin building the cover.
- Remember to record all of your measurements and place them in the proper lines/boxes on the proper form(s). You may need to transfer measurements you have made on the "MEASURING INSTRUCTIONS" pages onto the actual 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. Scan and send documents as PDF, and send pictures as necessary. You will need to refer to your copies if we have questions regarding your measurements.
- When in doubt, give us a call at (731) 345-4500.

DISCOVER THE DOUGHBOY DIFFERENCE

MEASURING INSTRUCTIONS - STEP-BY-STEP

DRONE MEASURING FOR A COVER

OVERVIEW AND EQUIPMENT LIST

- | | |
|--|--|
| 1) Pen | 6) Anchor Markers |
| 2) Drone Measuring Form/Clipboard | 7) DRONE* |
| 3) 2 to 3 100' Fiberglass Tape Measures | 8) Hex Keys for Orange Disc Anchors (if alone) |
| 4) Chalk | 9) Markers for Slide Legs, Cutouts, etc. |
| 5) 4 Orange Discs (Labeled #1, #2, #3, #4) | |

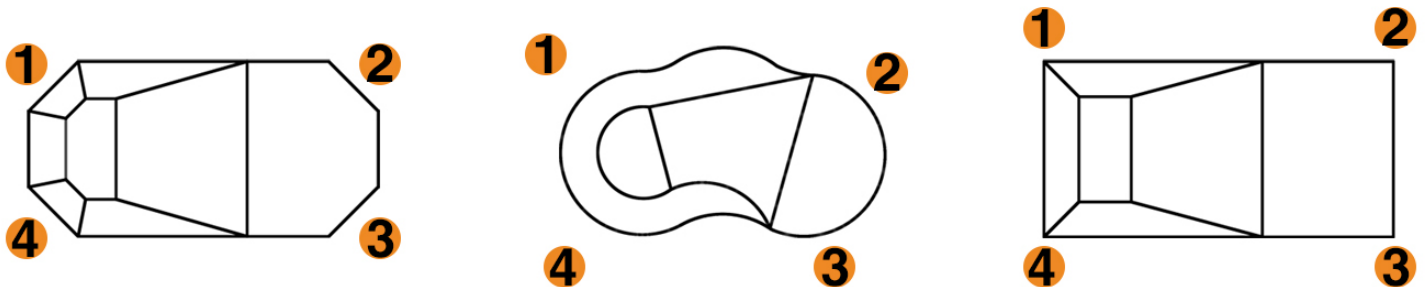
STEP #1: PREP FOR PICTURE/REMOVE DEBRIS/ITEMS FROM DECKING

Once you have established that a drone can be used to take pictures overhead, use a blower, broom, or other means to remove any leaves, acorns, or other distracting matter from the decking area. Move all chairs, loungers, etc. out of the “viewing area”. Ultimately, you want the deck as clean as possible to view all discs, markers, anchors (if installed), and chalk writing.

It should be noted that excessive tree limbs/awnings/etc can affect the overhead image, causing the image to be unusable, requiring a deck-level AB measurements instead.

STEP #2: PLACE ORANGE DISCS AND MARKERS

If anchors were previously installed, use the four orange discs in “four corners” of the pool by removing the anchor bolts, pushing them through the disc’s center opening, and replace the anchor. The #1 disc should be in the “top left”, #2 in the “top right”, #3 in the “bottom right”, and #4 in the “bottom left”. Using chalk, write the disc number out beside the disc. If working alone, place 1/4” hex keys in the anchor holes.



For remaining anchor points, use 3/4” (opening) washers (2” wide) that have been painted red or other markers that have been previously approved and place them on the anchor points.

If this is a new cover installation, place the orange discs as mentioned above and draw around the edge and in the center of each disc with chalk in case the disc moves. This will allow the disc to be moved back to its original location (when affected) and ensure accuracy of measurements.

Ensure that you have line-of-sight from one marker to the next. If there are any obstructions, such as rock walls, ladders, and hand rails, move the markers until they are all accessible from one to the next with a fiberglass tape measure. The orange discs can be out-of-square and off-set, but be sure to indicate any anchors that exist with red markers as described above.

STEP #3: MARK ANY ADDITIONAL OBSTRUCTIONS

If there are any slide bases, diving rocks, non-removeable hand rails or ladders, rock walls, etc. that will obstruct the typical 12-18" coverage and cannot easily be seen from the overhead image that will result in a needed cutout, mark these appropriately **at the deck level**. Further details and measurements are necessary to place these cutouts accurately. If measurements and indicators cannot be made at the deck level, a new set of measurements will be needed at the new height, as well as the height measurement itself.

STEP #4: MEASURE AND RECORD

Measure from the center of each disc to the center of the next disc until all measurements have been recorded. It is recommended to remeasure each set a second time to verify accuracy, especially if something was moved or adjusted during the first measuring cycle.

Indicate the width and length of the cover and the step flap width and length in the boxes provided on the measurement form. Also indicate a 5x5 or 3x3 grid type, along with color and material choice.

Count the number of existing deck anchors and record that figure on the measurement form.

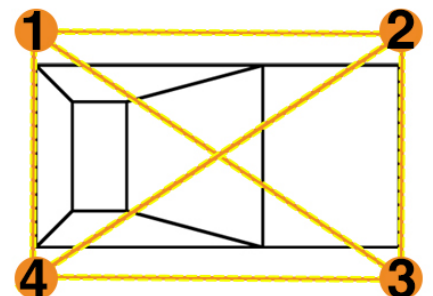
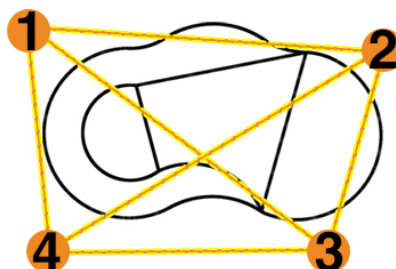
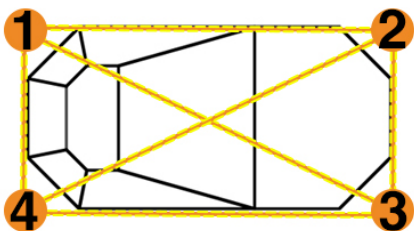
STEP #5: TAKE MULTIPLE PHOTOS WITH A DRONE

While many 4K drones are readily available via online and local marketplaces, the lens type is the most critical factor for measurement accuracy. Ensure the drone captures a "flat photo" rather than a wide-angle "fisheye" photo. Fisheye lenses create barrel distortion, curving the edges of the pool and making accurate scaling impossible. Set the camera to its highest 4K resolution to ensure the edges of the coping and any markers are crisp.

To eliminate perspective bias, the drone must be positioned perfectly relative to the pool. Fly the drone directly over the center of the pool. The gimbal must be set to 90 degrees (pointing straight down). This is known as a nadir view, which provides the most accurate "blueprint" perspective. Raise the drone to a height where the entire pool deck and all calibration markers are clearly within the frame, but low enough to maintain high detail. Generally, 30–60 feet is the "sweet spot" for residential pools.

Before taking the shot, perform a final visual sweep through your live feed: Confirm that all calibration discs, measuring tapes, or markers placed on the deck are fully visible and not obscured by shadows or glare. Ensure no tree branches or roof overhangs are blocking the "water line" or the pool's edge. Also consider lighting; heavy shadows can cause issues when viewing the photo.

Take 3 to 6 photos at varying heights, ensuring the camera is pointing straight down.





MEASURING FORM COVER - DRONE MEASURING

COMPANY NAME: _____

EMAIL: _____ **PHONE:** _____

CUSTOMER/JOB NAME: _____

POOL LOCATION ADDRESS: _____

COLOR: _____ **MATERIAL TYPE:** _____ **GRID TYPE:** _____

ALL MEASUREMENTS ARE TO BE TAKEN FROM CENTER
OF ORANGE DISC TO THE CENTER OF ORANGE DISC.

MEASURE FROM DISC #1	INITIAL MEASUREMENT	DOUBLE CHECK
#1 TO #2		
#1 TO #3		
# 1 TO #4		
MEASURE FROM DISC #2	INITIAL MEASUREMENT	DOUBLE CHECK
#2 TO #3		
#2 TO #4		
MEASURE FROM DISC #3	INITIAL MEASUREMENT	DOUBLE CHECK
#3 TO #4		

ANCHOR COUNT (Replacement Covers Only)

of EXISTING DECK ANCHORS

POOL SIZE	COVER SIZE	STEP FLAP SIZE

MEASURER NAME: _____

CONTACT PHONE: _____



MEASURING FORM COVER - OBSTRUCTION DETAILS

COMPANY NAME: _____

EMAIL: _____ PHONE: _____

CUSTOMER/JOB NAME: _____

POOL LOCATION ADDRESS: _____

COLOR: _____ MATERIAL TYPE: _____ GRID TYPE: _____

Illustrate the pool layout using the graph below. Be sure to illustrate and describe any obstructions or special considerations. Provide detailed measurements as much as possible.

