

**NorthFlo Safety Cover  
Installation Instructions**



# Hardware Included with your Cover

1. **INSTALLATION ROD** - FOR ATTACHING AND REMOVING COVER



2. **HEX KEY** - TO ROTATE ANCHOR INSERT TO UP OR DOWN POSITION



3. **BRASS ANCHORS** - ONE FOR EACH COVER STRAP

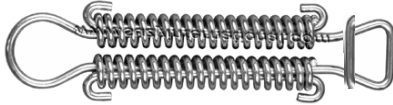


Screw Type Anchor

4. **ANCHOR TAMPING TOOL** TO TAMP ANCHORS INTO DECK



5. **STAINLESS STEEL COMPRESSION SPRINGS W/D-RING** - ONE FOR EACH STRAP



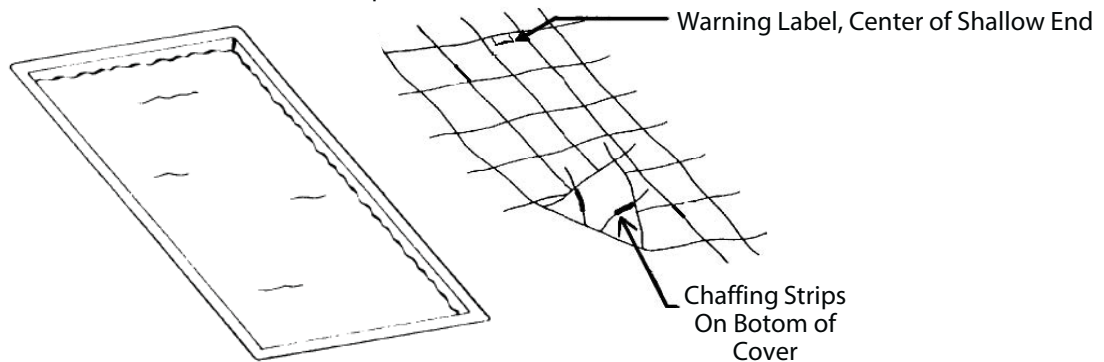
## **Required Equipment:**

- 1. Buckets of Water or Water Tubes**
- 2. Hammer or mallet**
- 3. Chalk**
- 4. Chalk line** - will ensure anchors line up
- 5. Tape measure**
- 6. Hammer drill** - this may be purchased from many hardware stores or rented **3/4"**
- 7. drill bit** - carbide tipped for concrete are most common

## Positioning

Remove railings, ladders and other obstructions not anchored to the deck. Place cover on the deck in the center of the shallow end and unroll to full width. Be careful not to drag or snag the cover. The white/translucent chafing strips should be face-down.

The warning label will be facing up. Carefully rotate the cover, if necessary, to properly position the cover over the pool. If there are any cutouts for obstructions on the cover, these areas of the cover must be positioned and installed first.



The cover should now be sagging into the pool with the material floating on the water. Place water tubes/buckets on straps to hold the cover out of the pool.

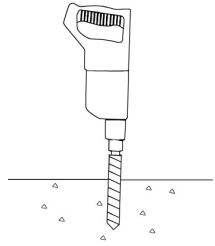
Attach all springs to straps by threading the strap through the spring and back through the D-Ring on the Spring. Use the following diagram as a guide. Position the spring to be about 10" from the cover's edge - adjustments can be made later if needed.



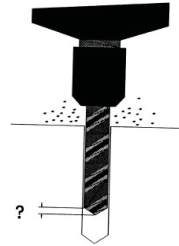
## Standard and Custom Rectangle Covers

First, it is imperative that the anchors are installed properly in accordance with the following directions.

Drill holes to accept the anchor shells only after ensuring you have located the proper anchor positions. Measure the depth of the bevel on the drill bit and add 2" for pop-up anchors or 1.75" for screw-type anchors. Mark this measurement onto your tamping tool and drill bit with tape (or use a drill guide). Carefully remove drilling dust with compressed air or a vacuum.

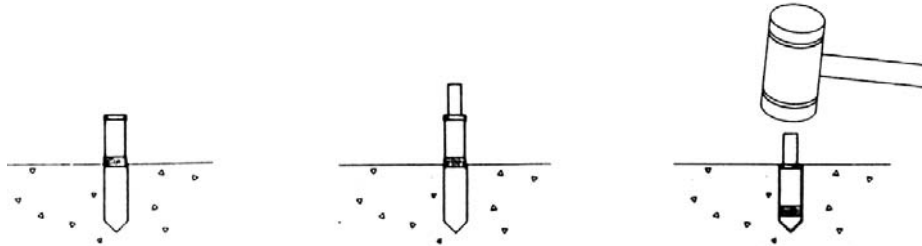


Drill hole with a 3/4" drill bit. The hole depth is 1 3/4" screw type (2" pop-up type) plus drill bit beveled depth.



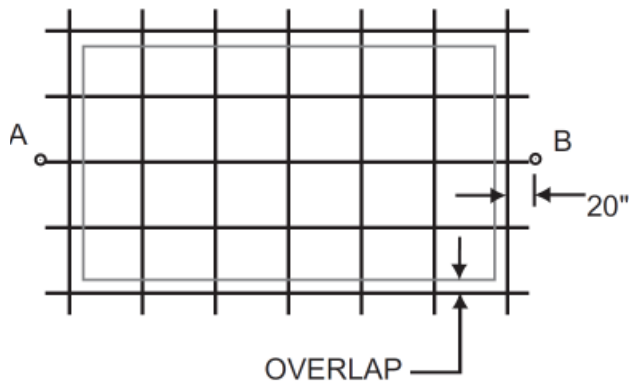
Next, lightly tamp the anchor Aleeve into position by inserting the tamping tool and lightly tapping it into the deck with a hammer or mallet. A light lubricant on the tamping tool will ensure easy removal.

Sometimes the tamping tool will become jammed in the anchor sleeve. If it does, lightly tap the tool on the side while pulling up and it should come right out.

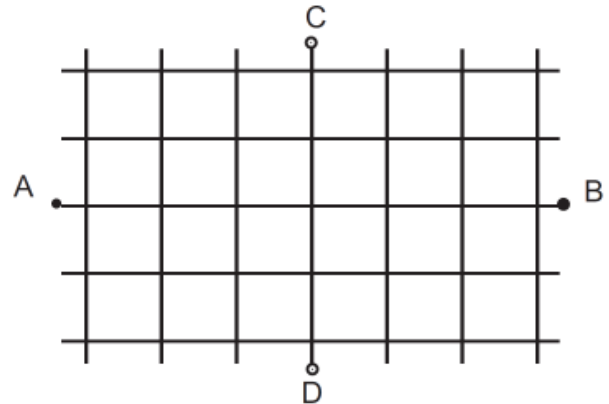


Now we can start by anchoring both ends of a center strap (A&B) down lengthwise (Follow the anchor drilling instructions on page 9). Then install both ends of a center strap (C&D) across the pool width. Be sure there is an equal overlap on both sides and ends. For the proper overlap look at the first page of this booklet, or subtract the pool size from the cover size and divide by two. Anchors should be located 20" back from the cover's edge. The correct anchor distance back from the pool edge is the core overlap plus this 20". Typically the anchors are about 32" to 38" back from the pool edge.

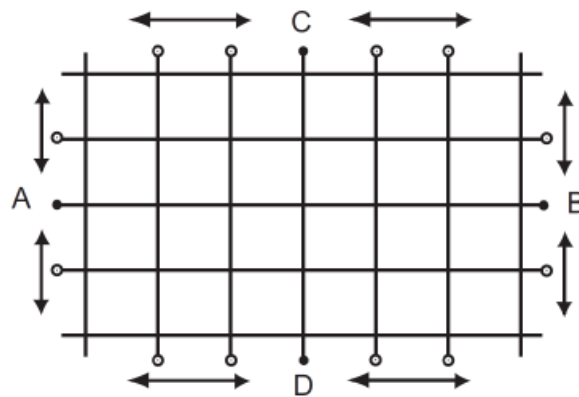
Install A & B along center line



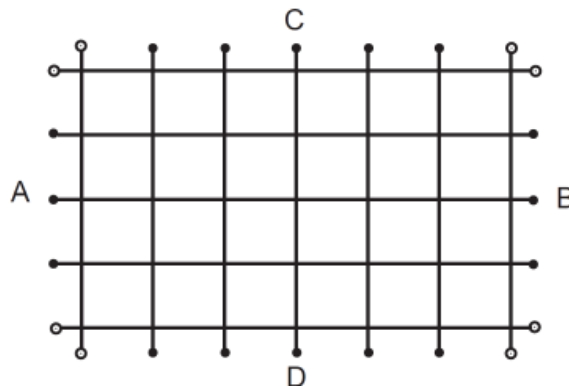
Install C & D across center line



Repeat the process installing anchors towards corners

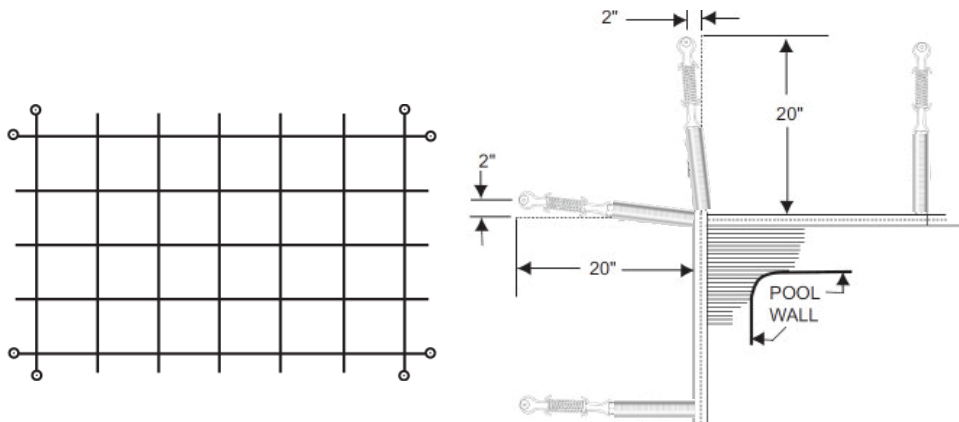


Complete installation with Corner Anchors



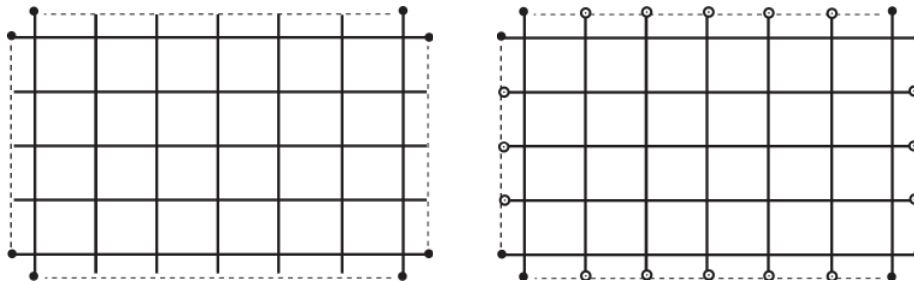
## Alternate Method

You may also install your covers with the "corners first" method. Start by marking the cover corner locations on the deck in chalk. Then mark the corner anchor locations by measuring 22" out from the cover corner and slightly (2") away from the center of the pool to allow for eventual cover stretch.



After installing all eight corner anchors, adjust the strap through the D-Rings for proper tension and equal overlap. Using a chalk line or piece of string, mark a straight line between corner anchors on all four sides of deck.

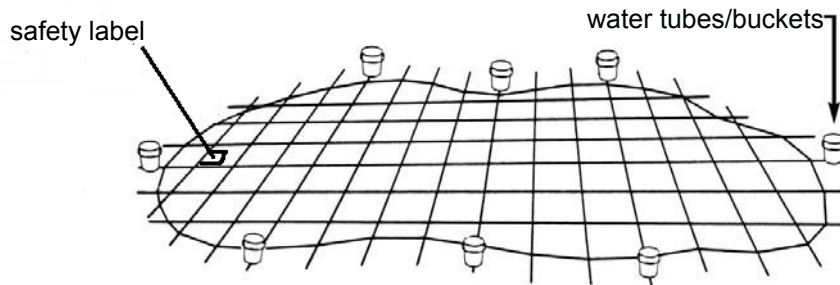
Install remaining anchors equidistant apart down the length of pool. Be careful to locate the anchor on the chalk line and pull the cover strap perpendicular to the cover. Continue to do the same down the width sides of the pool.



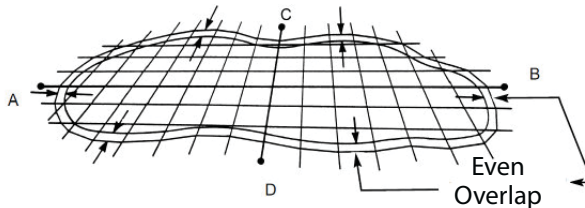
Straps can be adjusted to alleviate straps not in perfect alignment.

## Free-Form Covers

To hold cover in position, place water tubes or buckets on select straps. DO NOT put weights directly on cover material. Similar to rectangles, start by positioning cover around obstructions and cut-outs (rocks, rails, raised walls, etc.).

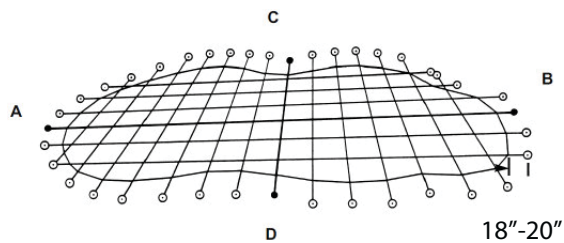


Locate center strap (A-B) and (using anchor drilling instructions) and attach springs taking special care to ensure equal overlap. Repeat for C&D in the direction across pool width. Check overlap around the pool again. For the proper overlap subtract the pool size from the cover size and divide by 2. Check to be sure anchors are correct distance back from the pool edge. Anchors should be 22" back from the cover's edge.



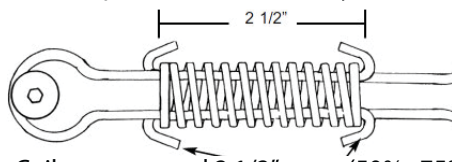
While making sure to pull the straps straight away from the cover, continue to install the remaining anchors.

Locate Anchors 22" from the cover's edge. The correct anchor distance back from the pool edge is the cover overlap plus the 22" distance from the cover's edge to the anchor. Typically the anchors are about 32" to 38" back from the pool edge.



Check to be sure that all the cross webbing and straps are straight. If there are any straps not pulling straight across the cover it may be possible to straighten them by adjusting the tension (through D-Rings) on the straps perpendicular to them.

Check for a uniform overlap around the cover. Tighten straps so that springs are compressed about halfway.



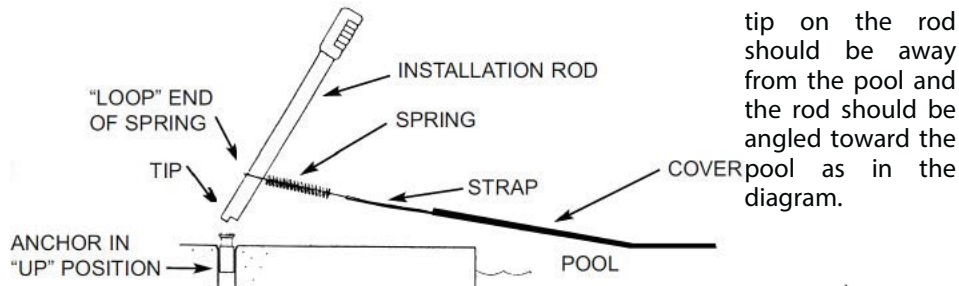
Coils compressed 2 1/2" apart (50%=75% compressed)

Single Coil Shown, same for Double



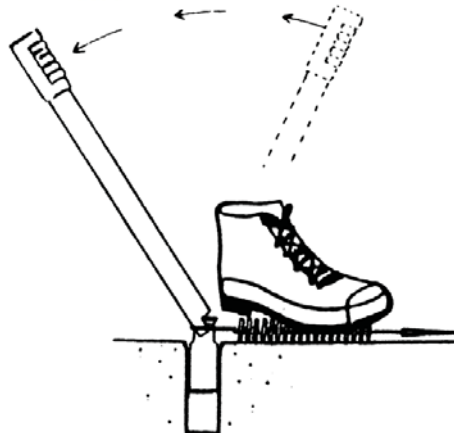
## Attaching Springs to Anchors

Unscrew anchors using the hex key and insert the installation rod through the loop end of the spring. Position installation rod over the end of the anchor head. The



While pulling the rod handle away from the pool, step down on the spring and it will slide down to the bottom of the rod. Twist the tip towards the pool and the rod will be easily removed and ready for the next spring/anchor combination.

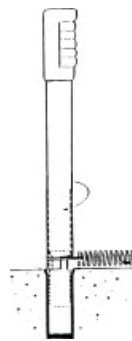
The cover should now be "drum tight". A loose cover will allow the wind to move it which may result in coping wear on the fabric around the edge. At initial installation we suggest that the cover be set extremely taut by adjusting straps to a position where the cover tension will have the spring coils almost touching. As the cover stretches slightly, tension will lessen and springs should adjust to their normal position. Check cover tension periodically for proper compression.



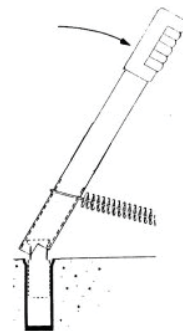
## Removing the Cover



Insert the installation rod so that the tip is towards the pool.



Rotate the rod so that the tip is now opposite the pool and between the spring loop and the brass anchor.



Tilt the rod towards the pool and the spring will slide up the strap. The spring on the opposite side of the strap should now be easily removed.

## **Use and Care**

1. Never allow the water level to fall below 18" from the main deck level. A low water level will result in cover and/or spring damage during periods of snow accumulation. This damage will not be covered under the warranty.
2. Do not walk on the cover except in an emergency situation. It should not be jumped upon like a trampoline. Walking or jumping on the cover may result in damage to the cover not covered by the warranty.
3. The pool water must be properly chemically treated when closing the pool for the winter. The water chemical level should be checked in early spring or when there is any period of warm temperature. Proper adjustment of chemicals should be made if necessary.
4. Abrasion strips are sewn to the cover to protect against normal coping wear. The cover should be kept drum tight to help lessen the chance of excessive wear not covered under the warranty.
5. It is the responsibility of the installer to, when necessary, add protective padding to sharp corners or very rough areas of the pool. Vinyl padding or carpet remnants may be used for such protection and can be supplied upon request.
6. The cover should be folded and stored in its storage bag when not in use. Leaves and debris should be removed. The mesh cover material does not require that it be scrubbed down or powdered prior to storage.
7. Covers should be cleaned with a mild detergent and dried prior to storage.
8. The cover should be stored in an area free of rodents.
9. Always completely remove the cover when using the pool. Never swim in the pool with the cover partially installed.
10. Check the cover periodically to be sure the cover is secured drum-tight on the pool. Adjust the buckle positions to achieve the proper tension.
11. Be careful not to drag the cover on decking or over the cover springs. Tears resulting from mishandling will not be covered under the warranty.
12. Do not operate a barbeque grill in the proximity of the cover as sparks or hot ash may settle on the cover and result in small burn holes.