



## Surface Mount Anchor New Construction

- The LifeGuard Lift Surface Mount Anchor can be installed in either a new pool deck or an existing deck. Before installing make sure the water-draft is 12" or less (Deck to waterline). Install the Lift at a location with 44" to 48" of Depth
- **FOR NEW CONSTRUCTION:**  
When the lift is installed on a new deck, the slab should be a minimum of 6" thick at the lift location, and should be reinforced with #4 reinforcing bar at 10" on center in each direction. The total pad area should be 3 feet wide from coping or water edge by 3 ft.
- **TOOLS REQUIRED:**
  - 1) Marking Pen/Pencil Level
  - 2) 1-1/4" Core Drill Bit High Strength Anchor Adhesive
  - 3) Core Drill Tape Measure
  - 4) Hammer Chisel
- **INSTALLATION INSTRUCTIONS:**
  - 1) Using the Surface Mount Anchor holes as a template, mark the FOUR (4) holes locations on the deck. The ground lug side must be facing the water and be no more than 14 inches from the pool wall. Make sure to keep the two rear anchor holes parallel to the pool wall.
  - 2) Remove the hex nuts from the anchor bolts. Core Drill a 1-1/4" diameter hole at the FOUR (4) locations marked from step 1. Drill to a depth of 4" to 5".
  - 3) Remove the core from the hole using a chisel and hammer if necessary. Clean out all holes.
  - 4) Fill each hole approximately 1/2 full with high strength anchor adhesive.\*
    - a. Recommend using HILTI HIT HY-150 or SIMPSON ET22 Strong tie anchor adhesive or equivalent
  - 5) Ground at least one anchor bolt to an existing bonding grid or appropriate ground source per local codes.
  - 6) Install the FOUR (4) anchor bolts into the epoxy filled holes. Make sure that the top of the bolts will be flush with the top of the pool deck. (Note: To make positioning of the anchors easier the 1/2" bolts may be temporarily installed in the anchors to give you something to hold onto.)
  - 7) Let the adhesive cure as per the manufacturer's instructions before installing the Surface Mount Anchor.