

# SAFTRON

## 3" & 6" SURFACE MOUNTING BASE INSTALLATION

(Including Lift & Turn Bases)

Recommended installation method for:

Rails, ladders, volleyball net posts, etc... that have 1.90" OD mounting posts. Mount to concrete or wood deck surfaces or to (sturdy) steps leading up to above-ground spas.

Hints:

- Install quickly with common household tools.
- Leave minimal damage when removed.
- Suitable for wood or concrete decks.
- Rails and ladders will only be as rigid and secure as the supporting foundation. Before installing, make sure the deck is suitable.
- Avoid scratches. Keep railings in box until ready to install. Don't place railings on bare ground.

Measuring Mounting Depth:

Measure the depth of your mounting socket. Saftron anchor sockets have a 4" depth while Saftron surface mounting bases are 3" (ladders only) or 6" (ladders and rails) in height. When installing using anchor sockets, use the stickers attached to your handrail or ladder rail as a guide to draw a mark on the rail. Be sure to use a permanent marker if the rail will be removed.

**Important: The sticker on your handrail or ladder is intended for anchor socket installation only.** For 3" and 6" surface mounting base installs, remove the sticker and measure to create your own mark. Measure up 3 <sup>7</sup>/<sub>8</sub>" for Saftron's anchor socket, 5 <sup>7</sup>/<sub>8</sub>" for the 6" surface mounting base, and 2 <sup>7</sup>/<sub>8</sub>" for the 3" surface mounting base.

Insert the handrail or ladder rail fully into the anchor socket or surface mount so the mark goes below the surface of the anchor socket or surface mounting base. **The rail must be resting firmly on the bottom of the anchor socket or surface mounting base in order to install correctly.**

#### INSTALLATION FOR CONCRETE DECKS:

1. Place rail or ladder in base and select desired location.  
IMPORTANT: WHEN INSTALLING LADDERS, THE HORIZONTAL DISTANCE FROM FACE OF POOL WALL TO MOUNTING POST MUST BE CORRECT TO ENSURE SECURE FIT. REFER TO DIMENSION DRAWINGS FOR YOUR MODEL OF RAIL OR LADDER ON THIS WEB SITE TO DETERMINE REQUIRED DISTANCE.
2. IMPORTANT: If base will be used with a Lift & Turn Saftron spa rail, slide rectangular insert in slot in underside of SB-F Base. Position so insert is parallel to side of Spa. THIS ENSURES THAT RAIL POSITIONS WILL BE PERPENDICULAR TO SPA. IF IN DOUBT, TEST BEFORE DRILLING.
3. Mark hole locations (3 holes for SB-F, 4 holes for SB-3).
4. Drill marked hole locations using 5/16" masonry bit to depth of 2".  
DO NOT OVER-SIZE THE HOLE!
5. Insert Alligator® anchors into holes until flush with surface.
6. Attach base using included lag bolts and washers.
7. Rails can be cleaned and polished using a soft rag and household Soft Scrub®.  
DO NOT USE ABRASIVES OR COMMERCIAL SOLVENTS.

#### INSTALLATION FOR WOOD DECKS:

1. Place rail or ladder in base and place in desired location.
2. IMPORTANT: WHEN INSTALLING LADDERS, THE HORIZONTAL DISTANCE FROM FACE OF POOL WALL TO MOUNTING POST MUST BE CORRECT TO ENSURE SECURE FIT. REFER TO DIMENSION DRAWINGS FOR YOUR MODEL OF RAIL OR LADDER ON THIS WEB SITE TO DETERMINE REQUIRED DISTANCE.
3. IMPORTANT: If base will be used with a Lift & Turn Saftron spa rail, slide rectangular insert in slot in underside of SB-F Base. Position so insert is parallel to side of Spa. THIS ENSURES THAT RAIL POSITIONS WILL BE PERPENDICULAR TO SPA. IF IN DOUBT, TEST BEFORE DRILLING.
4. Mark hole locations (3 holes for SB-F, 4 holes for SB-3).
5. Drill marked hole locations using 3/16" pilot hole bit to depth of 2".
6. Attach base using provided lag bolts and washers
7. Rails can be cleaned and polished using a soft rag and household Soft Scrub®.  
DO NOT USE ABRASIVES OR COMMERCIAL SOLVENTS.