



INSTALLATION GUIDE

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MESHGUARD FENCE INSTALLATION PROCEDURE

List of Required Tools and Accessories



Electric wet core drill with diamond core bit (HILTI D150 or DD250 recommended) and core drill stand (« tower »)



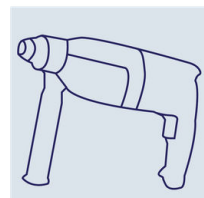
5 lb sledgehammer
Black rubber mallet
Standard 16 oz hammer



Adjustable pliers set



Utility knife with snap-off and replaceable blades



Bosch SDS Plus electric rotary hammer or equivalent (for 24" aluminum anchors)



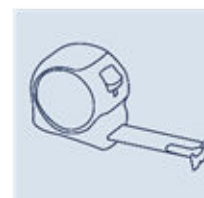
Small 10" magnetic level



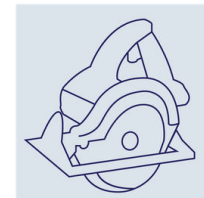
Cordless hammer drill (Milwaukee or other brands)



Two 50' electrical extension cords (20 amps minimum)



16-foot measuring tape
36-foot measuring tape
Measuring wheels for ground measurements



Electric or cordless circular saw and metal saw

Additional Required Tools and Accessories:

- Removable anchors (beige), 4"
- Aluminum anchors, 24" or 12"
- Permanent anchors (black), 4" or 12"
- Anchor caps
- Two 50' professional-grade garden hoses with quick-connect fittings (male and female)
- Two 5-gallon plastic buckets
- Chalk line for anchor alignment
- Wax marking crayons for marking concrete
- Enamel paint markers (Black / Brown / White / Beige) for touch-ups
- 2½" and 3" hooks / Eyelets
- Plumber's knife for cutting 1¼" plastic anchors
- Allen key set (various sizes)
- Knee pads and gloves
- Hand ratchet set (various socket sizes)
- Rubber mallet
- Small concrete drill bits (various sizes)
- Small wood drill bits (various sizes)
- 1¼" and 1½" hole saw bits (for wooden decks)
- 1¼" and 1½" diamond core drill bits (12" or 16" long), depending on the tool
- 10" to 12" magnetic level to check the angle of the core drill bit
- Small metal drill bit for drilling posts (installation of hooks and eyelets)
- Small hand saw for wood and metal
- 4' long steel stakes, 1" in diameter (for pilot holes in grass and small pavers)
- Vise-Grip locking pliers (2 sizes)
- Long-nose pliers (6" and 8") for removing concrete cores
- Pressure water gun
- 72" aluminum straightedge to locate the reference line (median) when drilling anchor holes
- 52" aluminum straightedges
- Measuring wheel for ground measurements
- Rolls of black electrical tape
- Hand pruning shears (small and large)
- 1" tap wrench (for removing anchors)
- Screwdriver with interchangeable bits (flathead, square and Phillips)
- 50' electrical extension cord, 120 V / 20 amps – 10/3 AWG

Important Preliminary Steps to Check

1. Confirm the exact location of the gate.
2. Determine the direction in which the gate will open.
3. Check all access points and safety areas (all doors and/or openings from the house or yard that provide access to the pool) before beginning the installation.

It is also important to verify the distance required by the municipality between the fence and the edge of the pool.

General Information

The fence is available in preassembled sections measuring 15 linear feet in length and 48 inches in height. Each section includes 6 posts spaced 36 inches on center.

Each 15-foot section therefore requires 6 anchors.

Also allow for 2 anchors for the gate, as well as an additional anchor when an end post is required.



15' MeshGuard Fence Section

IMPORTANT:

Each 15-foot section is connected to the next using a hook and eyelet. It is therefore essential to allow a 2.5" gap between each section.

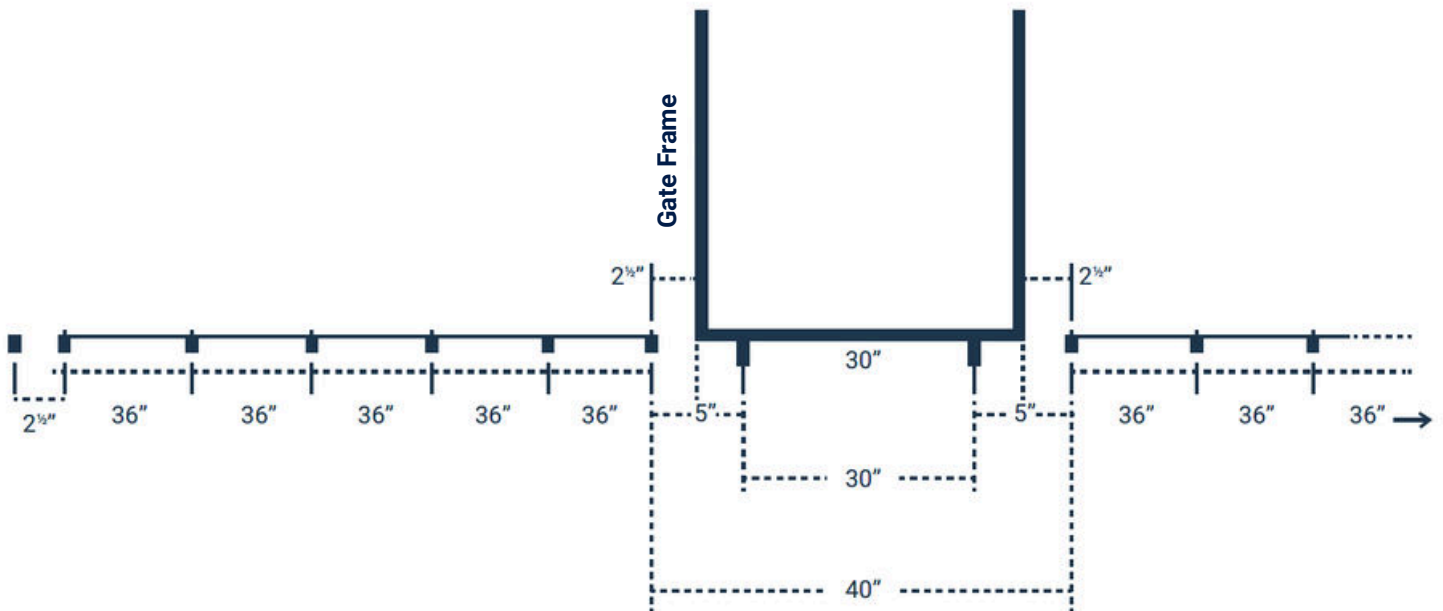
The final fence sections must be secured to a solid structure (wall, fence or other rigid support) to ensure proper and uniform tension throughout the system.

If no solid anchoring point is available, use an end post to apply and maintain fence tension.



Marking the Ground for Gate Anchors

1. Mark the location of the gate anchors on the ground (2 anchors spaced 30" on center). On concrete surfaces, use colored wax marking crayons to ensure the marks remain visible, even when exposed to water.
2. After installing the gate anchors 30" on center, align the first anchor of the fence section 5" from the gate anchor (on each side of the gate).
3. Then align the remaining fence anchors 36" on center, following the planned fence layout (straight line and/or curve). (See image below.)
4. It is important to properly align the anchor marking points with those of the fence sections on both sides of the gate. Mark one 15-foot section at a time, with 6 anchors per section.
5. Each post within a fence section is spaced 36" on center.



Defining the Fence Layout

1. Determine the fence layout starting from the gate, on both sides. Estimate the number of 15-foot sections required and the total number of anchors needed. Begin the installation with one 15-foot section to the left of the gate, followed by another to the right, to avoid having to cut a section near the gate.
2. Mark the anchor locations on both the left and right sides of the gate. Work one 15-foot section at a time, with 6 anchors per section. Each post within a section must be spaced 36" on center. (See illustration above.)
3. Identify the endpoints of the fence layout to plan the final anchoring and attachment points and make any necessary adjustments.
4. Plan the adjustment areas, meaning the locations where length adjustments will be required for the final section. Ideally, choose a less visible location for a more aesthetically pleasing finish.

CURVES AND ANGLES

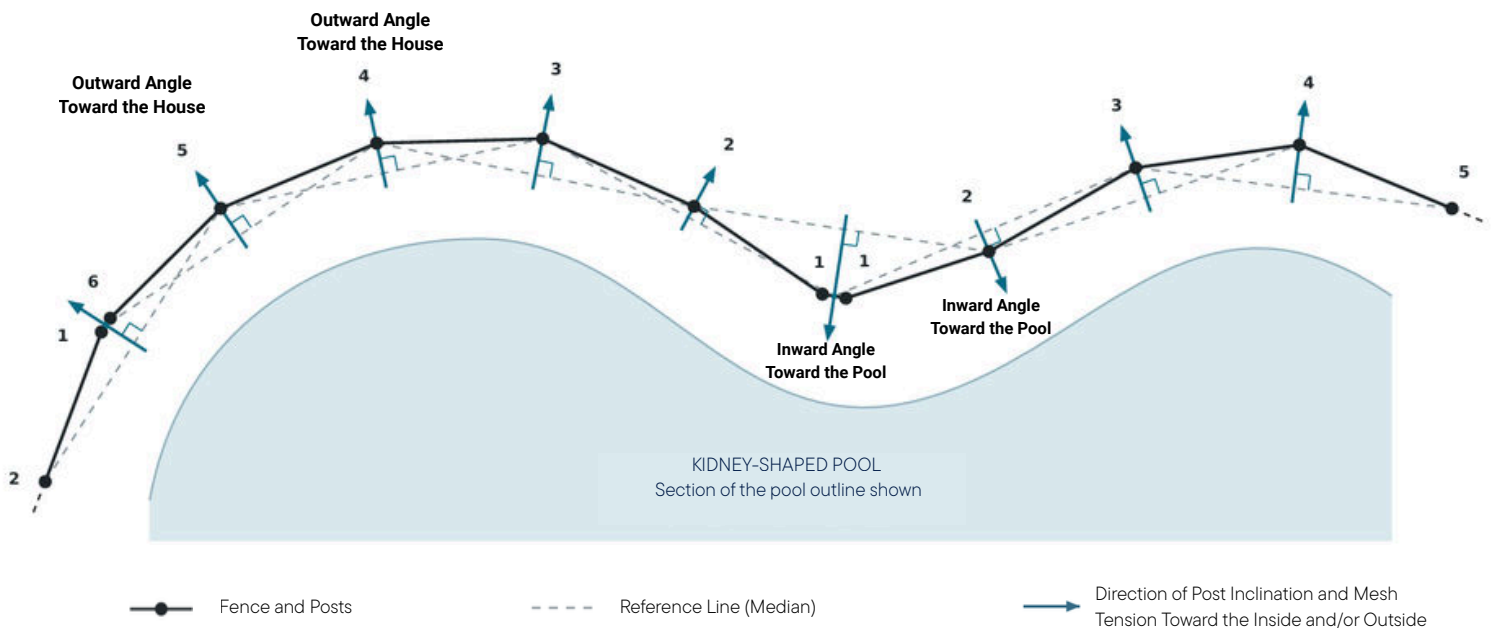
Before drilling the anchor holes, identify the areas along the fence layout where the fence follows a curve or forms an angle. Depending on the degree of curvature, the post inclination will need to be adjusted to a slight or more pronounced angle. Also determine whether the post should be tilted inward or outward depending on the curve. Please refer to the images below illustrating fence layouts for irregularly shaped and round pools.

Proper post inclination is essential to ensure uniform mesh tension and a clean, aesthetically pleasing finish that meets requirements.

The angle formed between the anchors preceding and following the anchor hole to be drilled creates an imaginary straight line (the median line). The farther this median line is from the anchor hole to be drilled, the greater the required post inclination angle.

Irregularly Shaped Fence (Organic Layout)

Installation example on a section of a kidney-shaped pool



How to Properly Position the Core Drill Along the Median Line When Drilling Anchor Holes

1. Position the median line (aluminum straightedge) from the previous hole toward the next hole to align the core drill with this imaginary line.
2. Once properly positioned at 90 degrees to the median line, adjust the inclination according to the desired curve or angle.
3. The greater the angle or curve, the more the inclination should be adjusted, approximately 1 to 3 degrees toward the inside or outside of the pool. (Example: Points 4 and 5 = outward toward the house; Points 1 and 2 = inward toward the pool.)
4. On a straight line, no inclination is required (0 degrees).
5. At the junction between two fence sections, the anchors must be spaced 2½" on center.
6. Once all holes have been drilled and anchors installed, insert the fence sections into the anchors.
7. If necessary, reposition the posts within the mesh to adjust the required length according to the exact measurements.
8. Install the safety hooks and eyelets on each post at the fence junctions to connect the fence sections together.

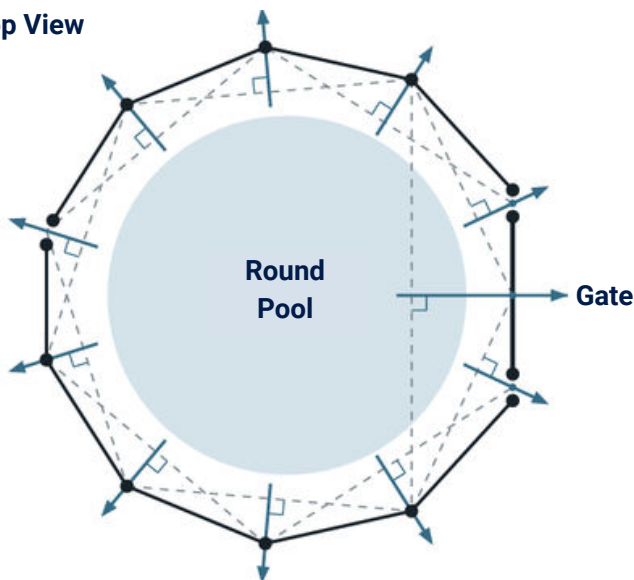
9. Once all fence sections have been connected using hooks and eyelets, repeat the same process with the gate. Install a hook on the posts adjacent to the gate and position the eyelet at the same height on the gate frame, on both sides.
10. To drill into the metal gate frame, use a 7.764" metal drill bit and install the eyelet into the hole.
11. Once all hooks have been installed and the fence sections are properly connected, adjust the MagnaLatch locking system according to the tension of the gate and fence.
12. Adjust the MagnaLatch to the correct height and install the small silver screw to permanently secure the MagnaLatch locking system.

Note: The measurement "7.764 inches" seems unusual for a metal drill bit. I kept it exactly as written in your French text, but it should be verified before printing.

Round Pool and Gate Positioning

Position the gate anchors first, followed by the posts of the adjacent fence sections.

Top View

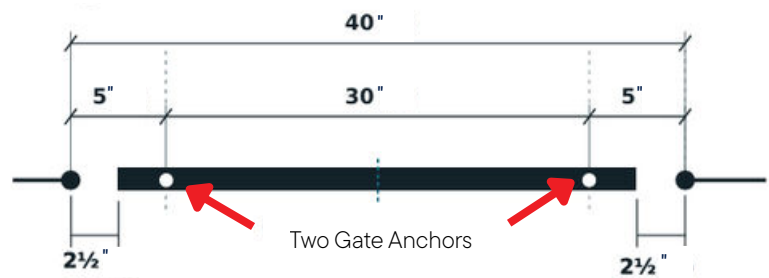


—●— Fence and Posts

- - - - Reference Line (Median)

→ Direction of Post Inclination and Mesh Tension Toward the Outside of the Pool

Top View – Gate Only
Layout – Center-to-Center Measurements



Reference Points Near the Gate

Two closely spaced posts: use the midpoint between them to draw the median line.

Gate: locate its center to position the two anchors 15" on either side (30" on center).



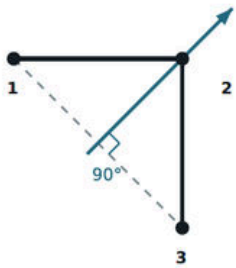
DRILLING AND ANCHORS

Note: Access to a garden hose is required when using the core drill.

Drilling Anchor Holes

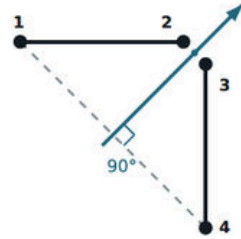
A1 – Right Angle

Single Corner Post



A2 – Right Angle

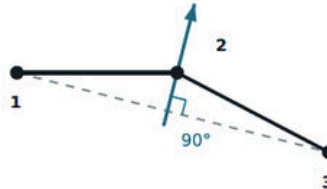
Two Closely Spaced Posts



Reference: Midpoint Between Posts 2 and 3

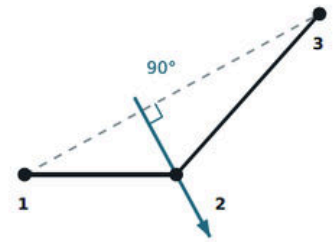
B – Slight Angle

Change in Direction



C – Reverse Angle

Change in Direction



How to Use the Median Line

1. Draw the median line between the previous hole and the next hole to position the core drill in front of the hole to be drilled.
2. Orient the core drill at 90° to this line to position it over the hole to be drilled according to the required angle and degree.
3. Tilt the core drill bit in the direction of the arrow to adjust the inclination according to the angle of the hole to be drilled relative to the median line.

Types of Installation Surfaces

Concrete (Slab / Patio)

- Drill the holes using a core drill (e.g., Hilti DD 250 or D-150).
- Use a 1¼" diamond-tipped drill bit designed for concrete.
- Each hole must pass completely through the concrete slab to allow proper water drainage.

Interlocking Pavers (Small Brick Style)

- Drill the holes using a wet core drill.
- Use the following drill bit sizes:
 - 1⅝" for 12" or 24" aluminum anchors (non-permanent installation) on small pavers.
 - 1¼" for removable or permanent anchors on concrete and/or wood.
- The hole must pass completely through the paver and/or concrete slab.
- For a non-permanent installation, install 12" or 24" aluminum anchors if the pavers are unstable. (1⅝" core drill bit.)
- For a permanent installation, use 12" black paver anchors. (1¼" core drill bit.)

IMPORTANT NOTE:

If a permanent installation is required, use a 1¼" drill bit and install 12" black paver anchors on small pavers and/or 4" black anchors on concrete/wood.

3½" MeshGuard
Permanent Anchors
(Concrete and Wood)



12" MeshGuard
Permanent Anchors
(Small Pavers)

Types of Installation Surfaces (Continued)

Wood (Deck / Balcony)

- The holes must have a minimum depth of 3½".
- Drill 1¼" diameter holes using an electric drill and a hole saw to pass completely through the wood.
- Add wood reinforcement at least 2½" thick beneath the deck structure every 3 feet, at the designated drilling locations, to strengthen the anchoring points.
- Ensure that each reinforcement piece is properly aligned beneath the anchor point corresponding to the drilled hole.
- Once all reinforcement pieces have been installed beneath the deck (balcony), drill through each hole again at the required angle and degree of inclination to pass through the reinforcement.
- Install the plastic anchors into each hole to accommodate the fence sections.

Grass

- Set up a string line to mark the fence layout.
- Manually install the 24" aluminum anchors using a 5 lb sledgehammer, following the planned alignment.
- It is essential to protect the anchor with a piece of wood (or equivalent material) during installation to prevent any damage to the anchor head.



12", 24" and 36" MeshGuard
Aluminum Anchors

GATE ASSEMBLY

- Assemble the gate by installing the MagnaLatch locking system according to the manufacturer's instructions.
- Insert the swinging gate into the U-shaped frame, ensuring that the drainage holes are facing downward.
- Attach the hinges to the U-shaped frame on the selected side according to the gate's opening direction (left or right). Ensure they are securely fastened and properly aligned to allow smooth gate movement.
- Install the MagnaLatch latch on the U-shaped frame and verify that the release mechanism is positioned at least 12" above the top of the gate, in accordance with provincial safety requirements (provincial law).

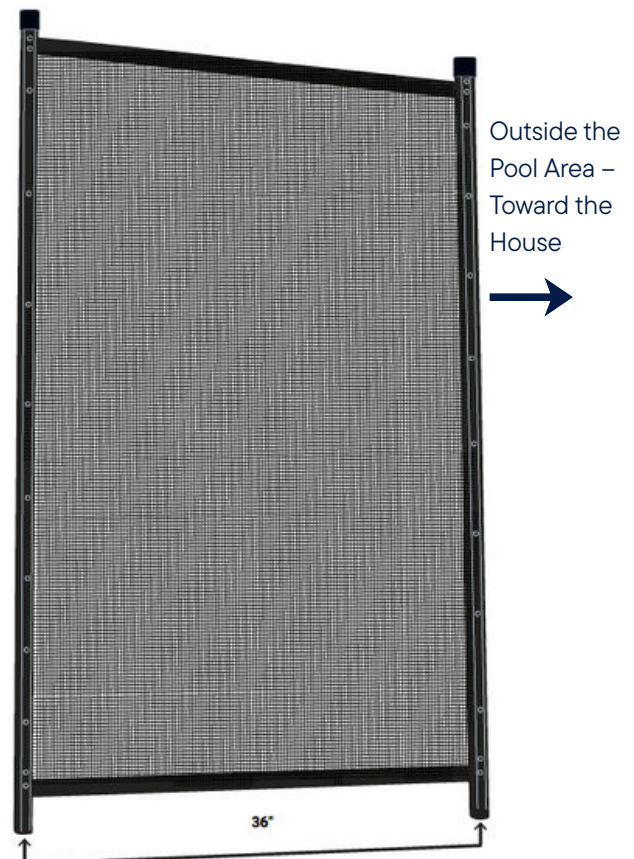
GATE INSTALLATION

- Insert the gate frame into the 2 previously installed anchors (30" on center).
- Check the vertical alignment using a level and adjust as needed.
- Test the opening and closing of the gate to ensure smooth and safe operation.
- Final gate adjustments will be made at the very end of the fence section installation.
- Once all fence sections are connected and secured together to create the desired tension.

INSTALLATION OF FENCE SECTIONS

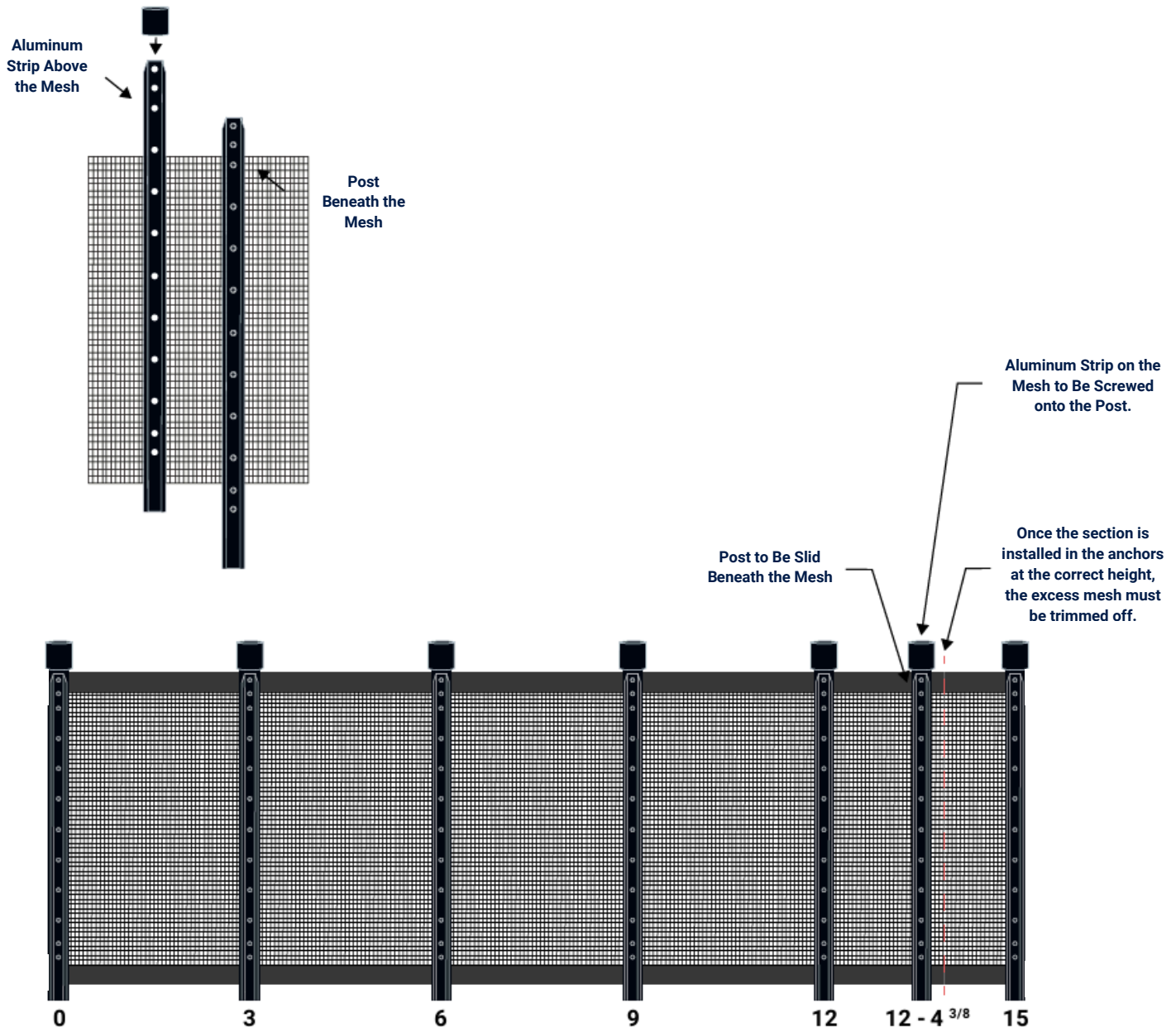
- Install the first 15-foot section on the left side of the gate. Since the posts are already attached to the mesh, simply insert each post securely into its anchor, then continue with the remaining posts.
- Repeat the same procedure on the right side of the gate.
- Ensure uniform tension is maintained between the posts throughout all fence sections.

Important: Make sure the screws on the posts are facing away from the pool (toward the house).



ADJUSTING AND REPOSITIONING POSTS WITHIN THE MESH

- Calculate the required length on the ground at the end of the section before final installation.
- Make these adjustments in a discreet area, ideally at the back and away from the gate.
- Whenever possible, avoid cutting or modifying sections near the gate to maintain a clean appearance and proper alignment.
- Determine the exact location of the post to be repositioned according to the measurement marked on the ground.
- Lay the fence section flat on the ground while maintaining tension on the section to be adjusted. Use four 6" nails placed in the grass at the four corners of the fence section.
- Unscrew the post screws to remove the aluminum retaining strip that holds the mesh in place.
- Maintain uniform mesh tension using the nails secured in the grass, then reposition the aluminum retaining strip on the post being moved according to the new measurement and screw it back into place.
- Once everything is securely fastened, trim the excess mesh using a sharp blade (such as an X-Acto knife) for a clean finish. (See image below for reference.)

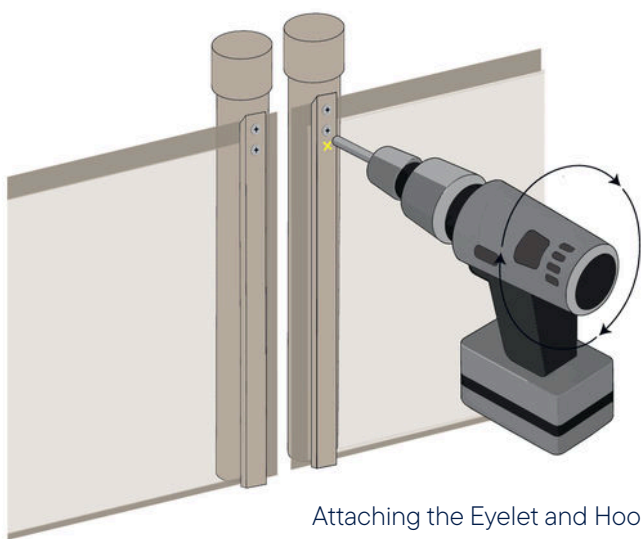


SECURING THE SYSTEM

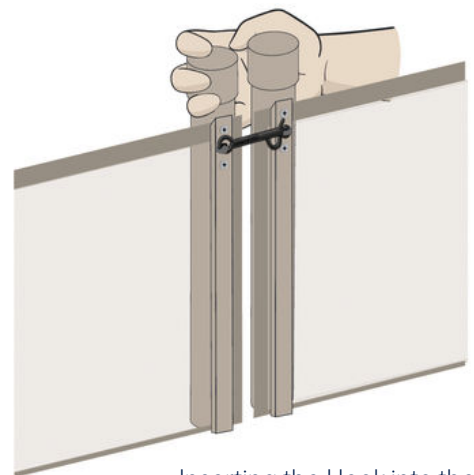
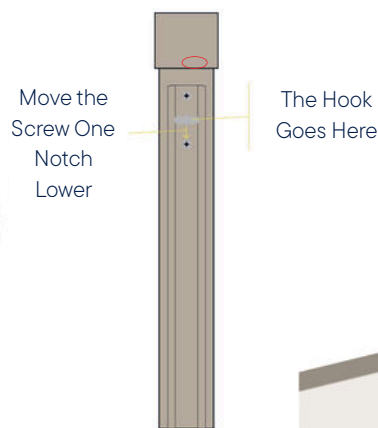
- Install the connecting hooks between the sections.
- Connect each 15-foot section using a safety hook:
 - Unscrew one of the two screws on the first post to attach the hook, then install the eyelet on the next post.
 - Repeat the process on the adjacent sections.
 - Then insert the hook into the eyelets to connect the sections and create the desired tension.



MeshGuard 2.5" and 3" Hook and Eyelet



Attaching the Eyelet and Hook



Inserting the Hook into the Eyelet

FINAL GATE ADJUSTMENT

- Ensure that all fence sections are securely attached before proceeding with this step.
- Check that the gate's self-closing mechanism is functioning properly.

FINAL LOCKING

- Adjust the MagnaLatch locking system. At this stage, the fence tension may be higher; therefore, it may be necessary to adjust the gate's U-shaped frames inward or outward.
- Secure the final screw of the system to firmly lock the MagnaLatch extension arm in place.

Important Rules

- ✗** Never leave a fence section unsecured.
- ✓** Always drill completely through the surface (concrete, pavers, wood).
- ✓** The gate is the main reference point (starting point and final adjustment point at the end of installation).
- ✓** The entire MeshGuard fence system must be securely connected before making final adjustments to the gate and MagnaLatch.

End of Installation – You Can Now Enjoy Your Pool Safely.

Please do not hesitate to contact us if you have any questions or require additional information.

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