



USE THIS MANUAL FOR
WA-XX154Z / WA-XX156Z / WA-XX194Z / WA-XX196Z
AC-08154ZMSG / AC-20154ZMSG / AC-08194ZMSG / AC-20194ZMSG

INSTALLATION MANUAL

WEDGE ANCHOR

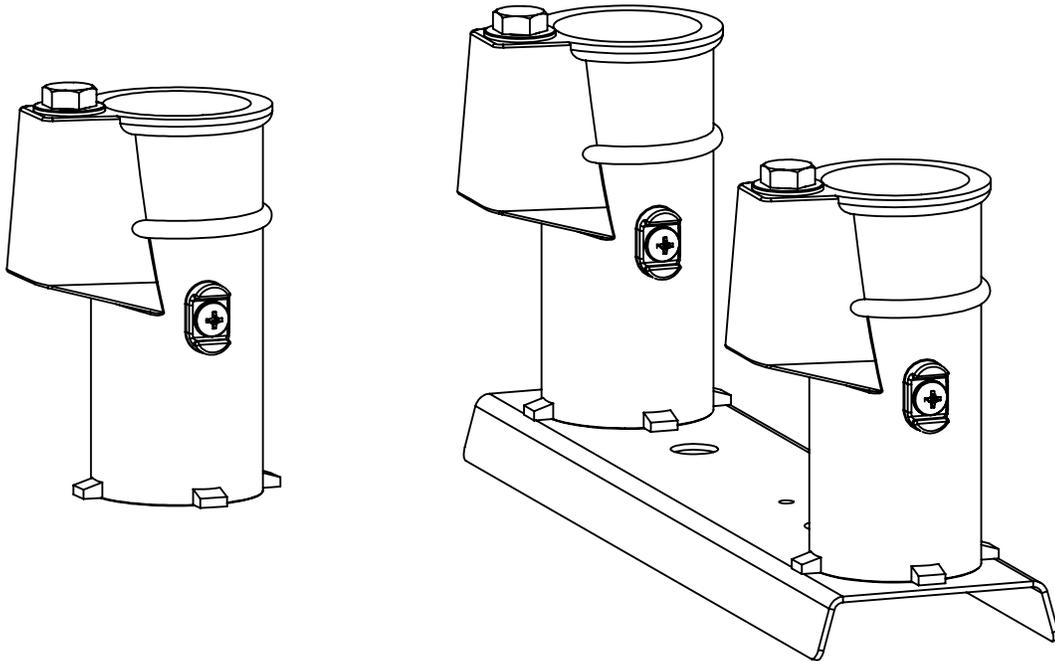




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IMPORTANT SAFETY INFORMATION



Safety & Installation Instructions

When installing this product, always follow basic safety precautions, including the following:

Electrical Safety:

A wire connector is provided on all bondable anchors to connect a minimum 8 AWG (8.4 mm²) solid copper conductor to an equipotential bonding system.

READ CAREFULLY BEFORE INSTALLATION:

Inspect the anchor and accessories for all necessary parts. Before assembly, carefully read the instructions and verify all parts using the provided diagrams and parts list. Inspect all components for damage before installation. If any damage occurred during shipping, notify Aqua Creek Products LLC within three (3) days of receipt. Proper installation is critical. Improper installation will void the Aqua Creek warranty and may compromise user safety.



PRODUCT OVERVIEW AND APPLICATIONS

Wedge Anchors

Our TruPro™ wedge anchors are the standard solution for securing pool rails and ladders to the deck. Each anchor features an internal wedge mechanism that expands when tightened, locking the rail securely in place and preventing lift-out. Available in multiple depths (4", and 6") and diameters (1.50" and 1.90"), these anchors ensure a safe, stable installation across a wide range of applications.

FEATURES

- Durable bronze construction for long-lasting performance
- Expanding wedge mechanism grips rail securely
- Available in 4", and 6" depths
- Offered in 1.50" and 1.90" diameters
- Sold separately

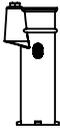
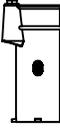
Channel Anchors

Designed to simplify rail and ladder installation, our channel anchors connect two wedge anchors together for secure, perfectly aligned mounting. Available in 8" and 20" widths, these anchor channels provide a dependable fit for a variety of rail styles while maintaining ADA-compliant installation when paired with the proper rail.

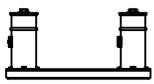
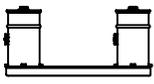
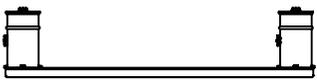
FEATURES

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WEDGE ANCHORS

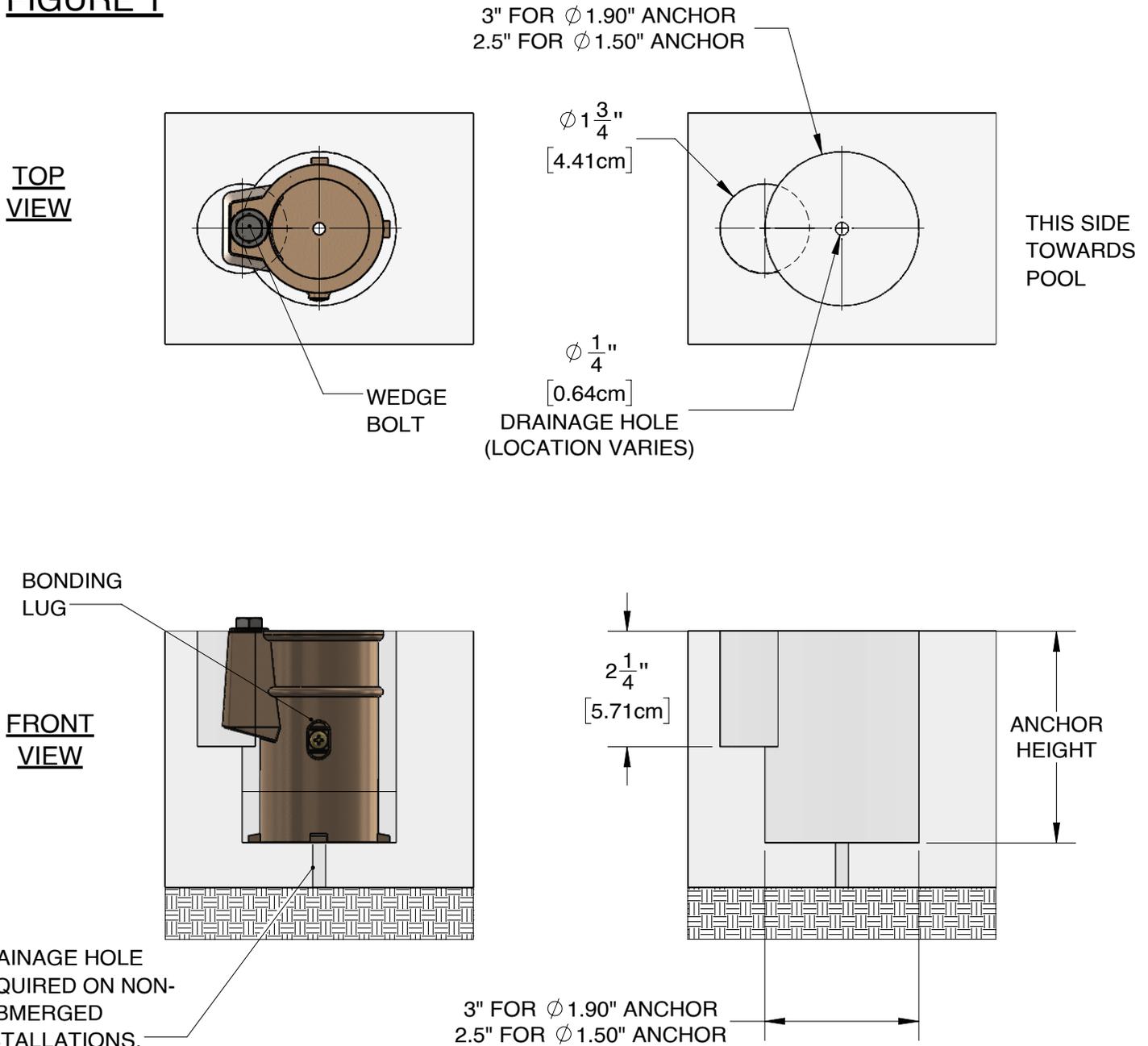
| ANCHOR | CATALOG # | INV# | DESCRIPTION |
|---|-----------|----------|--|
|  | WA-XX154Z | INV03707 | WEDGE ANCHOR - 1.50" ID X 4" DEEP - BRONZE |
|  | WA-XX156Z | INV03826 | WEDGE ANCHOR - 1.50" ID X 6" DEEP - BRONZE |
|  | WA-XX194Z | INV01925 | WEDGE ANCHOR - 1.90" ID X 4" DEEP - BRONZE |
|  | WA-XX196Z | INV03825 | WEDGE ANCHOR - 1.90" ID X 6" DEEP - BRONZE |

WEDGE ANCHORS WITH CHANNEL KITS

| ANCHOR | CATALOG # | INV# | DESCRIPTION |
|--|--------------|----------|---|
|  | AC-08154ZMSG | INV04190 | ANCHOR CHANNEL - 8.00" LONG - Ø1.5" X 4.00" - GALVANIZED |
|  | AC-08194ZMSG | INV03709 | ANCHOR CHANNEL - 8.00" LONG - Ø1.9" X 4.00" - GALVANIZED |
|  | AC-20154ZMSG | INV04191 | ANCHOR CHANNEL - 20.00" LONG - Ø1.5" X 4.00" - GALVANIZED |
|  | AC-20194ZMSG | INV03710 | ANCHOR CHANNEL - 20.00" LONG - Ø1.9" X 4.00" - GALVANIZED |

RETROFIT ANCHOR INSTALLATION

FIGURE 1





RETROFIT ANCHOR INSTALLATION

NOTE: Your local codes may require one or more permits. Check your local building codes for the proper permit requirements. Inspect all anchors for any cracks or damage before install. Recommended concrete with a 3,000 PSI minimum compression strength. Follow concrete manufacturer's mixing and curing instructions.

NOTE - CUSTOM RAILS: Performing a dry-fit placement is highly recommended. After the custom rail has been received, perform a dry-fit with the anchors and rail to verify proper alignment and ensure accurate anchor placement.

TOOLS REQUIRED:

- CORE DRILL
- CONCRETE MARKING PEN/SPRAY
- 3" DIAMOND CORE DRILL BIT FOR ϕ 1.90" ANCHOR
- 2.5" DIAMOND CORE DRILL BIT FOR ϕ 1.50" ANCHOR
- 1.75" DIAMOND CORE DRILL BIT
- AIR NOZZLE & PUMP/COMP.
- VACUUM
- HEAT GUN (OPTIONAL)
- ANCHOR ADHESIVE/CEMENT
- MASKING TAPE

LOCATION/MARKING INSTRUCTIONS:

STEP 1. Mark the center of the anchor location on your deck

DRILLING INSTRUCTIONS:

STEP 1A: At the anchor location, use either a 3" DIAMOND CORE DRILL BIT FOR ϕ 1.90" ANCHOR or a 2.5" DIAMOND CORE DRILL BIT FOR ϕ 1.50" ANCHOR drill a hole straight down to a minimum depth equal to the height of the anchor, plus room for a stone drainage base (**NOTE: Drainage not required for submerged anchor installation.**)

STEP 1B: Center the 1.75" drill bit on the edge of the 3" hole, on the side furthest away from the pool. Drill down to a minimum depth of 2.25". (**See FIGURE 1 for reference**)

STEP 2: BLOW- remove dust from holes with oil-free compressed air for a minimum of two seconds. BRUSH- Clean out the holes with a steel wire brush. BLOW- remove dust from holes with oil-free compressed air for a minimum of two seconds. Vacuum- Use vacuum to extract any residual debris. (**NOTE: A heat-gun may be helpful in drying out the hole if applicable.**)

STEP 3: Place the anchor into the hole and perform a "dry fit" to ensure the anchor sits plumb and flush with the finished deck surface. Adjust the hole as needed. Bond anchor per local codes and place prepared anchor into the hole.

STEP 4: Insert rail into the anchor(s) and inject anchor adhesive into the hole around the anchor until the hole is 3/4 full, going slowly to prevent air pockets. Repeat for remaining anchor locations. Ensure rail is plumb and finish filling anchor hole with anchor adhesive. Immediately clean off any excess residue. (**NOTE: We recommend using masking tape around the top of the anchor and rail so that no residue gets inside the anchor.**)

STEP 5: Allow anchor adhesive to fully cure before using the rail. (**NOTE: Please refer to adhesive manufacturers' cure schedule instructions.**)



NEW CONSTRUCTION ANCHOR INSTALLATION

NOTE: Your local codes may require one or more permits. Check your local building codes for the proper permit requirements. Inspect all anchors for any cracks or damage before install. Recommended concrete with a 3,000 PSI minimum compression strength. Follow concrete manufacturer's mixing and curing instructions.

NOTE - CUSTOM RAILS: Performing a dry-fit placement is highly recommended. After the slab has fully cured and the custom rail has been received, perform a dry-fit with the anchors and rail to verify proper alignment and ensure accurate anchor placement.

TOOLS REQUIRED:

- MASKING TAPE

STEP 1: Prep the anchor by covering the drainage hole on the bottom of the anchor to prevent concrete from seeping in during the pour. Use masking tape or other suitable materials.

STEP 2: Ensure that the anchor is securely positioned, and check for proper alignment and spacing from the pool's edge with the wedge facing away from the pool. **(NOTE* When using multiple wedge anchors / channel anchors, ensure that they all have the same alignment)**. For non-submerged installations, ensure adequate drainage requirements are met. Drainage not required for anchors submerged in water.

STEP 3: Bond your anchor. Follow local bonding code requirements closely to ensure safety and compliance with electrical bonding standards. This step is particularly important for pool installations to prevent electrical hazards.

STEP 4: Perform a dry fit to ensure anchors are flush and plumb. Cover the anchor with masking tape to prevent concrete from getting inside of the anchor.

STEP 5: When pouring the concrete, it's essential to avoid disturbing the anchor sleeve and ensure the surface is leveled for a smooth deck finish. Make sure that the concrete is properly vibrated or tapped to remove air pockets around the sleeve.

STEP 6: Allow concrete to cure completely before final installation.